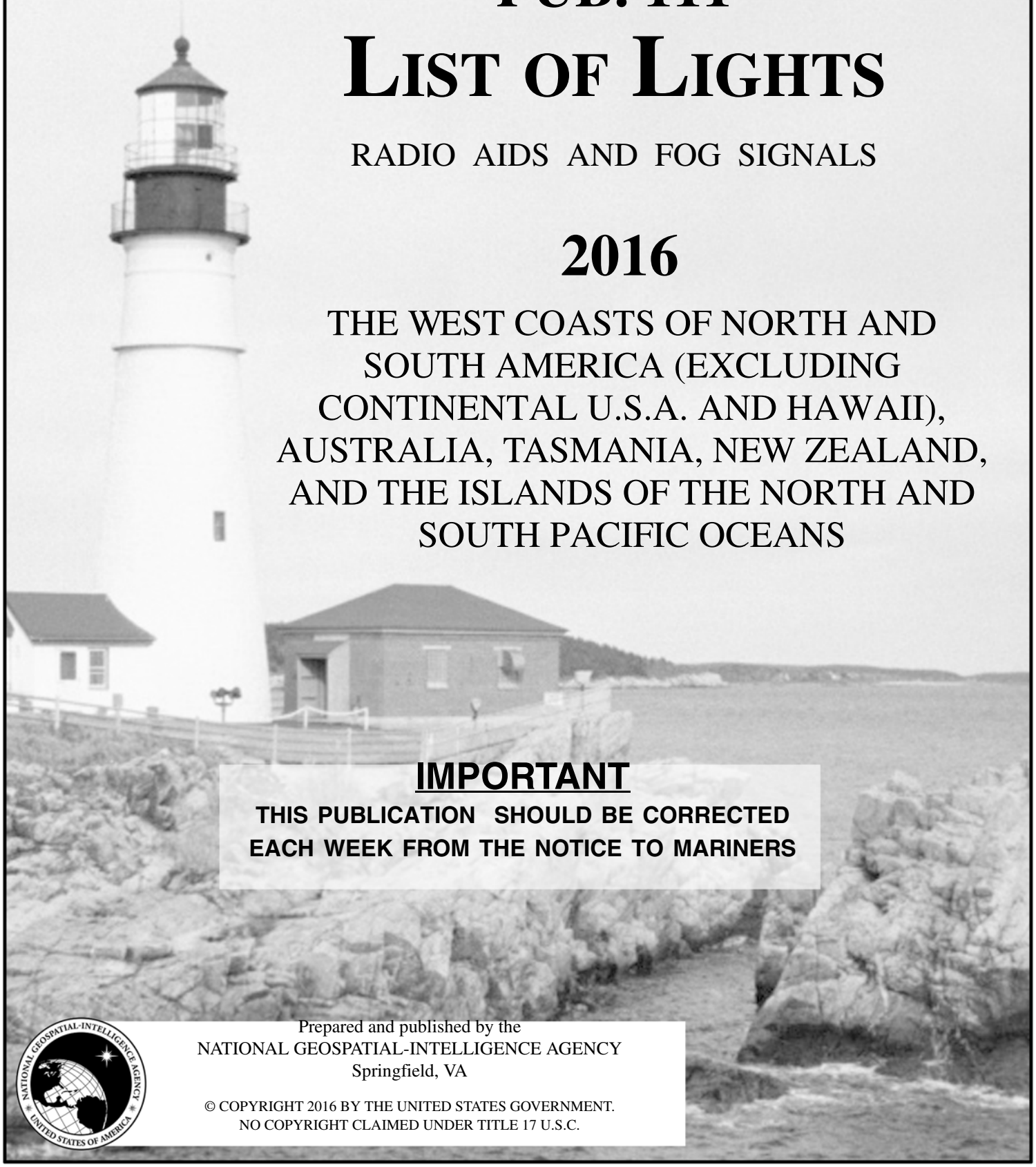
PUB. 111
LIST OF LIGHTS

RADIO AIDS AND FOG SIGNALS

2016

THE WEST COASTS OF NORTH AND SOUTH AMERICA (EXCLUDING CONTINENTAL U.S.A. AND HAWAII), AUSTRALIA, TASMANIA, NEW ZEALAND, AND THE ISLANDS OF THE NORTH AND SOUTH PACIFIC OCEANS



IMPORTANT

THIS PUBLICATION SHOULD BE CORRECTED EACH WEEK FROM THE NOTICE TO MARINERS

Prepared and published by the
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
Springfield, VA

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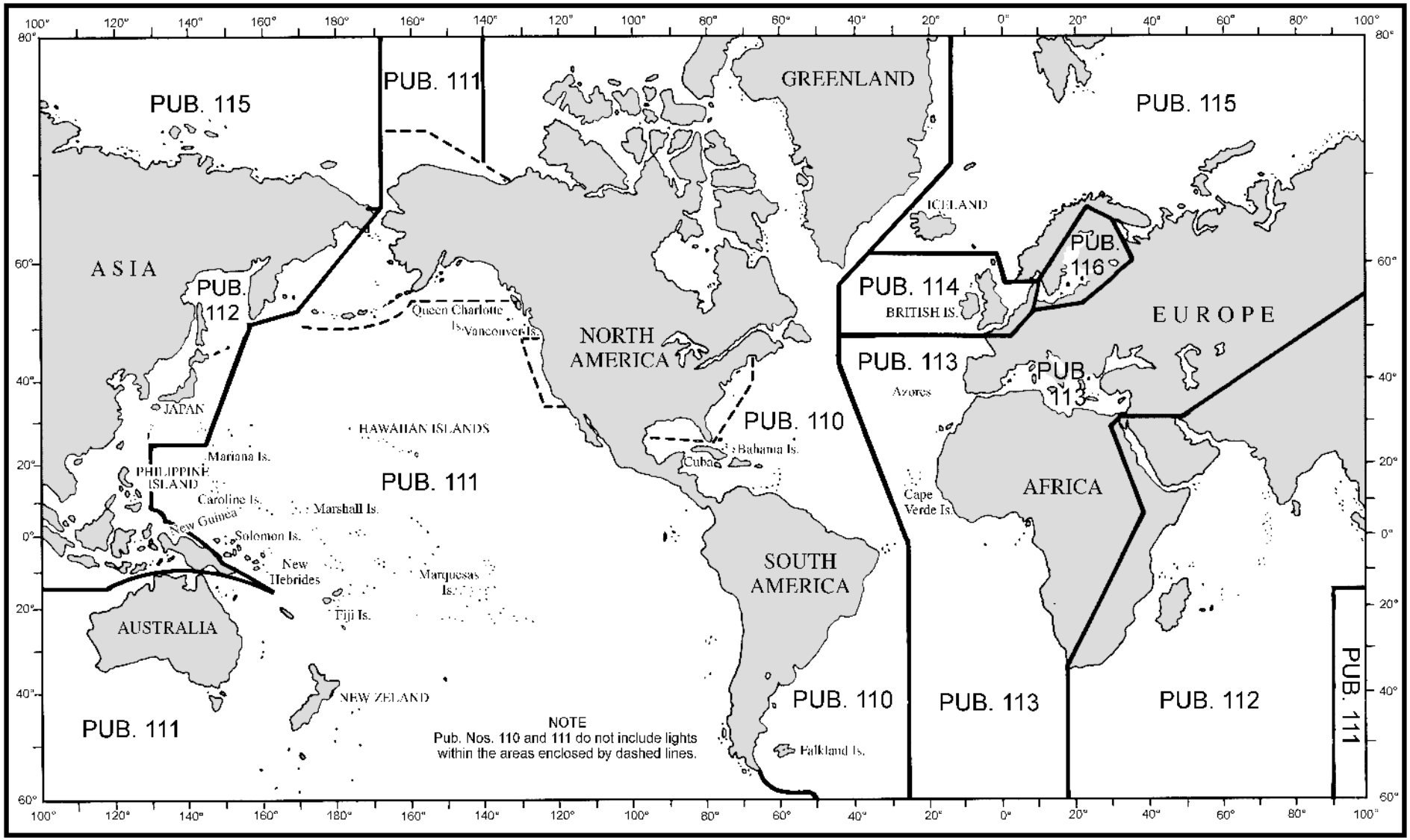
LIST OF LIGHTS LIMITS
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY



WARNING ON USE OF FLOATING AIDS TO NAVIGATION TO FIX A NAVIGATIONAL POSITION

The aids to navigation depicted on charts comprise a system consisting of fixed and floating aids with varying degrees of reliability. Therefore, prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid.

The buoy symbol is used to indicate the approximate position of the buoy body and the sinker which secures the buoy to the seabed. The approximate position is used because of practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecisions in position fixing methods, prevailing atmospheric and sea conditions, the slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying lengths of chain, and the fact that buoy and/or sinker positions are not under continuous surveillance but are normally checked only during periodic maintenance visits which often occur more than a year apart. The position of the buoy body can be expected to shift inside and outside the charting symbol due to the forces of nature. The mariner is also cautioned that buoys are liable to be carried away, shifted, capsized, sunk, etc. Lighted buoys may be extinguished or sound signals may not function as the result of ice or other natural causes, collisions, or other accidents.

For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction the buoy marks.

PREFACE

The 2016 edition of Pub. 111, List of Lights, Radio Aids and Fog Signals for the West Coasts of North and South America (excluding Continental U.S.A. and Hawaii), Australia, Tasmania, New Zealand and the Islands of the North and South Pacific Oceans, cancels the previous edition of Pub. 111.

This edition contains information available to the National Geospatial-Intelligence Agency (NGA) up to 21 May 2016, including Notice to Mariners No. 21 of 2016.

A summary of corrections subsequent to the above date will be in Section II of the Notice to Mariners which announced the issuance of this publication.

In the interval between new editions, corrective information affecting this publication will be published in the Notice to Mariners and must be applied in order to keep this publication current.

Nothing in the manner of presentation of information in this publication or in the arrangement of material implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and Territories.

RECORD OF CORRECTIONS
PUBLISHED IN WEEKLY NOTICE TO MARINERS

NOTICE TO MARINERS

YEAR 2016				YEAR 2017			
1.....	14.....	27.....	40.....	1.....	14.....	27.....	40.....
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INTRODUCTION

The National Geospatial-Intelligence Agency publishes a List of Lights, Radio Aids and Fog Signals in seven volumes divided geographically as shown on the index chartlet on the inside front cover of this book. Major fixed and outermost floating aids to navigation, such as sea buoys, safety fairway buoys, traffic separation buoys, etc., are listed. Other floating aids are not generally listed. Storm signals, signal stations, radio direction finders, radiobeacons, RACONs and RAMARKs located at or near lights are found in this List. Radiobeacons are listed in a separate section in the back of this publication.

The date to which this publication has been corrected can be found in the Preface. In the interval between new editions, corrective information affecting this publication will be published in Section II of Notice to Mariners, and must be applied to keep this publication current. All of these corrections should be applied in the appropriate places and their insertion noted in the "Record of Corrections."

Mariners and other users are requested to forward new or corrective information useful in the correction of this publication to:

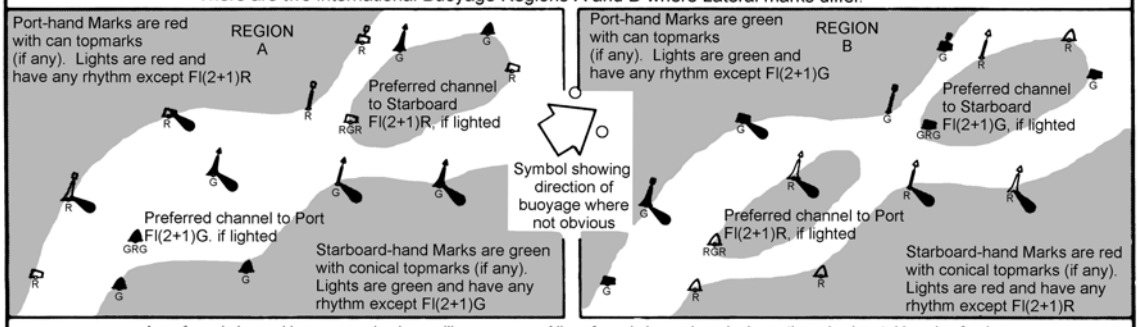
MARITIME SAFETY OFFICE
N64-SFH
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
7500 GEOINT DRIVE
SPRINGFIELD VA 22150-7500

Buoys and Beacons IALA* Buoyage System

Where in force, the IALA System applies to all fixed and floating marks and occasionally lighthouses, sector lights, range marks, lightships and LANBY's (large automatic navigational buoys).

The standard buoy shapes are cylindrical (can), conical, spherical, pillar (including high focal plane), and spar, but variations may occur, for example lightfloats. In the illustrations below, only the standard buoy shapes are used. In the case of fixed beacons (lighted or unlighted), only the shape of the topmark is of navigational significance.

Lateral Marks (used in conjunction with a conventional direction of buoyage) are generally for well-defined channels. There are two international Buoyage Regions-A and B-where Lateral marks differ.



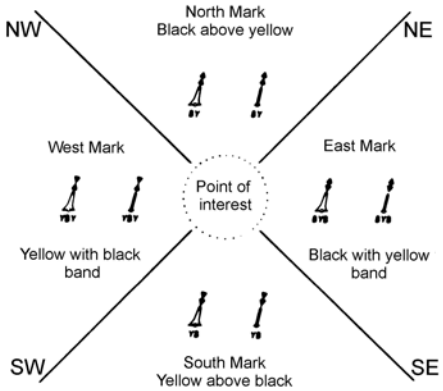
A preferred channel buoy may also be a pillar or a spar All preferred channel marks have three horizontal bands of color

All marks other than Lateral Marks are the same in REGIONS A and B

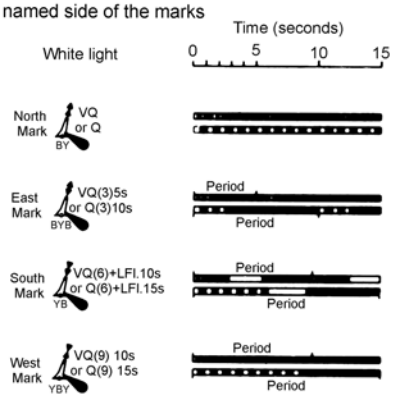
UNLIGHTED MARKS

Cardinal Marks indicating navigable water to the named side of the marks

Topmark 2 black cones



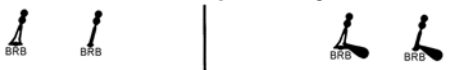
LIGHTED MARKS



* The same abbreviations are used for lights on spar buoys and beacons The periods, 5s, 10s and 15s, may not always be charted.

Isolated Danger Marks, stationed over dangers with navigable water around them.

Body black with red band (s)
Topmark: 2 black balls



Safe Water Marks, such as mid-channel and landfall marks.

Body red and white stripes
Topmark (if any): red ball

Special Marks, not primarily to assist navigation but to indicate special features.

Body (shape optional): yellow
Topmark (if any) yellow X

BEACONS with IALA System topmarks are charted by upright symbols. eg. (minor beacon) or, on smaller-scale charts:

Beacon towers are charted: etc (occasionally lighted)

RADAR REFLECTORS on buoys and beacons are not generally charted.

COLOR ABBREVIATIONS under symbols, especially those of spar buoys, may be omitted, or may be at variance with symbols shown above.

LIGHTFLOATS: The IALA System is not usually applied to large lightfloats (replacing manned lightships) but may be applied to smaller lightfloats.

* IALA is an abbreviation of International Association of Lighthouse Authorities

THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY MARITIME SAFETY WEB SITE

The National Geospatial-Intelligence Agency (NGA) Marine Safety Web site provides worldwide remote query access to extensive menus of maritime safety information 24 hours a day.

Databases made available for access, query and download include Notice to Mariners, Publications, Broadcast Warnings, Office of Naval Intelligence (ONI) Reports, Anti-Shipping Activity Messages (ASAMs), Arctic Maritime Safety Information (AMSI) Reports, Mobile Offshore Drilling Units (MODUs), Product Catalog and Miscellaneous Products. Publications that are also made available as PDF files include the U.S. Notice to Mariners, U.S. Chart No. 1, The American Practical Navigator (Bowditch), International Code of Signals, Radio Navigational Aids, World Port Index, Distances Between Ports, Sight Reduction Tables for Marine and Air Navigation, Radar Navigation and Maneuvering Board Manual.

The Maritime Safety Web site can be accessed via the NGA Homepage (**www.nga.mil**) under the Products and Services link or directly at **http://msi.nga.mil/NGAPortal/MSI.portal**. Any questions concerning the Maritime Safety Web site should be directed to:

MARITIME SAFETY OFFICE
ATTN: NSS STAFF
N64-SFH
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
7500 GEOINT DRIVE
SPRINGFIELD, VA 22150-7500

Telephone: (1) 571-557-7103 or DSN 547-7103
E-mail: webmaster_nss@nga.mil

DESCRIPTION

(Lights, Buoys, RACONs, RAMARKs)

Information is tabulated in eight columns as follows:

***Column 1**:* The number assigned to each light, RACON or RAMARK by this Agency. International numbers are listed below this number in italic type and in a cross reference in the back of the book. RACONs and RAMARKs located at a light are listed with the light. Those not located at a light are assigned separate numbers.

***Column 2**:* Name and descriptive location of the light or buoy, RACON or RAMARK. A dash (-) or dashes (--) in this column is used to reduce repetition of principal geographic names. This column is intended to describe the location of the navigational aid and to distinguish it from others in proximity. Differences in type indicate the following:

Bold-faced: Lights intended for landfall or having a visibility (range) of 15 miles or more.

Italics: Floating aids.

ITALICS CAPITALS: Lightships and LANBYs.

Roman: All other lights not mentioned above.

***Column 3**:* Approximate latitude and longitude of a navigational aid to the nearest tenth of a minute, intended to facilitate chart orientation (use column 2 and the appropriate chart for precise positioning).

***Column 4**:* Light, buoy, RACON or RAMARK characteristic (see Characteristics of Lights chart for explanation of lights).

***Column 5**:* Height of light in feet (Roman type) equivalent measurement (below) given in meters (Bold-faced type).

***Column 6**:* Range. The distance, expressed in nautical miles, that a light can be seen in clear weather or that a RACON or RAMARK can be received.

***Column 7**:* Description of the structure and its height in feet.

Note–Stripes are vertical. Bands are horizontal. The use of the term “diagonal stripes” is the exception.

***Column 8**:* Remarks–sectors, fog signals, radar reflectors, minor lights close by, radiobeacons, storm signals, signal stations, radio direction finders, and other pertinent information.

Geographic names or their spellings do not necessarily reflect recognition of the political status of an area by the United States Government.

The names of lights may differ from geographic names on charts.

ABBREVIATIONS

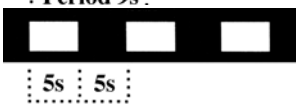
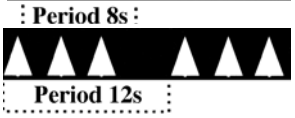
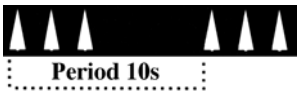
Where the lights of different countries intermingle in the list they are distinguished by the following letters:

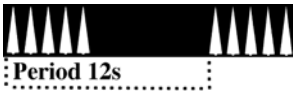
(A.)	Argentina	(Hon.)	Honduras
(Aus.)	Australia	(M.)	Mexico
(C.)	Chile	(Nic.)	Nicaragua
(Can.)	Canada	(N.Z.)	New Zealand
(Col.)	Columbia	(P.)	Panama
(C.R.)	Costa Rica	(Sal.)	El Salvador
(F.)	France	(U.K.)	United Kingdom
(Gu.)	Guatemala	(U.S.)	United States

Other abbreviations:

Al.—alternating
bl.—blast
Bu.—blue
Dir.—directional
ec.—eclipsed
ev.—every
F.—fixed
Fl.—flashing
fl.—flash
G.—green
horiz.—horizontal
intens.—intensified
I.Q.— interrupted quick flashing
Iso.—isophase
I.V.Q.—interrupted very quick flashing
Km.— kilometer (0.62137 mile)
L.Fl.—long flashing
lt.—lit
Mo.—Morse code
min.—minute
obsc.—obscured
Oc.—occulting
Or.—orange
Q.—quick flashing
R.—red
s.—seconds
si.—silent
U.Q.—ultra quick flashing
unintens.—unintensified
vert.—vertical
Vi.—violet
vis.—visible
V.Q.— very quick flashing
W.—white
Y.—yellow

CHARACTERISTICS OF LIGHTS

TYPE	ABBR.	GENERAL DESCRIPTION	ILLUSTRATION
Fixed	F.	A continuous and steady light.	
Occulting	Oc.	The total duration of light in a period is longer than the total duration of darkness and the intervals of darkness (eclipses) are usually of equal duration. Eclipse regularly repeated.	
Group occulting	Oc.(2)	An occulting light for which a group of eclipses, specified in number, is regularly repeated.	
Composite group occulting	Oc.(2+1)	A light similar to a group occulting light except that successive groups in a period have different numbers of eclipses.	
Isophase	Iso.	A light for which all durations of light and darkness are clearly equal.	
Flashing	Fl.	A light for which the total duration of light in a period is shorter than the total duration of darkness and the appearances of light (flashes) are usually of equal duration (at a rate of less than 50 flashes per minute).	
Long flashing	L.Fl.	A single flashing light for which an appearance of light of not less than 2 sec. duration (long flash) is regularly repeated.	
Group flashing	Fl.(3)	A flashing light for which a group of flashes, specified in number, is regularly repeated.	
Composite group flashing	Fl.(2+1)	A light similar to a group flashing light except that successive groups in a period have different numbers of flashes.	
Quick flashing	Q.	A light for which a flash is regularly repeated at a rate of not less than 50 flashes per minute but less than 80 flashes per minute.	
Group quick flashing	Q.(3)	A light for which a specified group of flashes is regularly repeated; flashes are repeated at a rate of not less than 50 flashes per minute but less than 80 flashes per minute.	
	Q.(9)		
	Q.(6)+L.Fl.		

TYPE	ABBR.	GENERAL DESCRIPTION	ILLUSTRATION
Interrupted quick flashing	I.Q.	A light for which the sequence of quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Very quick flashing	V.Q.	A light for which a flash is regularly repeated at a rate of not less than 80 flashes per minute but less than 160 flashes per minute.	
Group very quick flashing	V.Q.(3)	A light for which a specified group of very quick flashes is regularly repeated.	
	V.Q.(9)		
	V.Q.(6)+L.Fl.		
Interrupted very quick flashing	I.V.Q.	A light for which the sequence of very quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Ultra quick flashing	U.Q.	A light for which a flash is regularly repeated at a rate of not less than 160 flashes per minute.	
Interrupted ultra quick flashing	I.U.Q.	A light for which the sequence of ultra quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Morse code	Mo.(U)	A light for which appearances of light of two clearly different durations are grouped to represent a character or characters in Morse Code.	
Fixed and flashing	F.Fl.	A light for which a fixed light is combined with a flashing light of greater luminous intensity.	
Alternating light	Al.	A light showing different colors alternately.	
NOTE - Alternating lights may be used in combined form with most of the previous types of lights.			

NOMENCLATURE OF LIGHTS

Lights exhibit a distinctive appearance by which they are recognized, e.g. Fixed, Flashing, Group Flashing, etc. The properties of their appearance, by which they are distinguished, are referred to as the *characteristics* of the light. The principal characteristics are generally the sequence of intervals of light and darkness, and, in some cases, the sequence of colors of light exhibited.

Fixed lights—those which exhibit a continuous steady light.

Rhythmic lights—those which exhibit a sequence of intervals of light and eclipse (repeated at regular intervals) in a manner described in Chart No. 1 and this volume.

Alternating lights—rhythmic lights which exhibit different colors during each sequence.

Period of a light—the time occupied by an entire cycle of intervals of light(s) and eclipse(s).

Range: Meteorological visibility—the greatest distance at which a black object of suitable dimensions can be seen and recognized against the horizon sky or, in the case of night observations, could be seen and recognized if the general illumination were raised to the normal daylight level.

Luminous range of a light—the greatest distance at which a light can be seen merely as a function of its luminous intensity, the meteorological visibility, and the sensitivity of the observer's eyes.

Nominal range of the light—the luminous range of a light in a homogeneous atmosphere in which the meteorological visibility is 10 nautical miles.

Geographical range of a light—the greatest distance at which a light can be seen as a function of the curvature of the earth, the height of the light source and the height of the observer.

The visibility of a light is usually the distance that it can be seen in clear weather and is expressed in nautical miles. Visibilities listed are values received from foreign sources.

Range lights—two or more lights at different elevations, so situated to form a range (leading line) when brought into transit. The light nearest the observer is the *front light* and the one farthest from the observer is the *rear light*. The front light is normally at a lower elevation than the rear light.

Directional lights—lights illuminating a sector of very narrow angle and intended to mark a direction to be followed.

Vertical lights—Two or more lights disposed vertically or geometrically to form a triangle, square, or other figure. If the individual lights serve different purposes, those of lesser importance are called *Auxiliary lights*.

Occasional lights—lights exhibited only when specially needed:

(a) *Tidal light*—shown at the entrance of a harbor, to indicate tide and tidal current conditions within the harbor.

(b) *Fishing light*—for the use of fishermen and shown when required.

(c) *Private light*—maintained by a private authority for its own purposes. The mariner should exercise special caution when using a private light for general navigation.

Seasonal lights—usually shown only during the navigation season or for a lesser time period within that season.

Articulated lights—offshore aids to navigation consisting of a length of pipe attached directly to a sinker by means of a pivot or such other device employing the principle of the universal joint. The positional integrity is intermediary between that of a buoy and a fixed aid.

Aeronautical lights—lights of high intensity which may be the first lights observed at night from vessels approaching the coast. Those lights situated near the coast are listed in the List of Lights in order that the navigator may be able to obtain more information concerning their description.

These lights are not designed or maintained for marine navigation and they are subject to change without prompt notification.

These lights are indicated in this List by the designation AVIATION LIGHT and are placed in geographical sequence in the body of the text along with lights for surface navigation.

Aeromarine lights—marine-type lights for which part of the beam is deflected to an angle of 10 to 15 degrees above the horizon to facilitate use by aircraft.

Sector limits and arcs of visibility—these are arranged clockwise and are given from seaward toward the light. Thus, in the diagram, the sectors of the light are defined as: obscured from shore to 302°, red to 358°, green to 052°, white to shore. These are bearings of the light as seen from a vessel crossing the sector lines.

Under some conditions of the atmosphere, white lights may have a reddish hue. The mariner should not judge solely by color where there are sectors but should verify this position by taking a bearing of the light. On either side of the line of demarcation between white and red there is always a small sector of uncertain color, as the edges of a sector of visibility cannot be clearly defined.

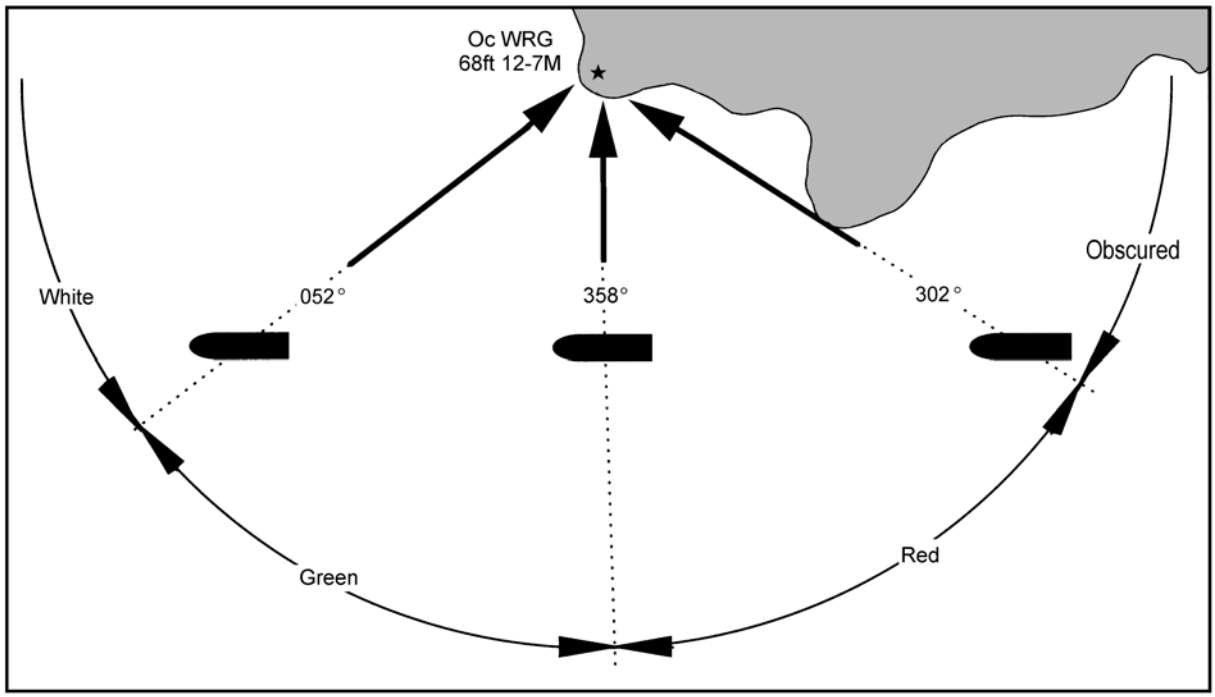
When a light is obscured by adjoining land and the arc of visibility is given, the bearing on which the light disappears may vary with the distance from which it is observed. When the light is cut off by a sloping point of land or hill, the light may be seen over a wider arc by a ship farther off than by one closer.

Bearings—all bearings are true, measured clockwise from 000°, and given in degrees or degrees and minutes.

Oil drilling and production platforms in *Canadian* waters exhibit a Q.W. light and sound a horn every 20 seconds.

Many of the navigational lights for *Ecuador*, *Colombia*, *Panama*, *Costa Rica*, *Nicaragua*, *El Salvador,* and *Guate-*

mala have been reported as irregular or unreliable. Navigational lights for *Antarctica* and the *South Shetland Islands* are unreliable.



LIGHTSHIPS, SUPERBUOYS, AND OFFSHORE LIGHT STATIONS

Courses should be set to pass all floating aids to navigation with sufficient clearance to avoid the possibility of collision from any cause. Experience shows that floating aids to navigation cannot be safely used as leading marks to be passed close aboard, but should always be left broad off the course, whenever searoom permits.

When approaching a lightship, superbuoy, or a station on a submarine site on radio bearings, the risk of collision will be avoided by insuring that the radio bearing does not remain constant.

Most lightships and large buoys are anchored with a very long scope of chain and, as a result, the radius of their swinging circle is considerable. The charted position is the location of the anchor. Furthermore, under certain conditions of wind and current, they are subject to sudden and unexpected sheers which are certain to hazard a vessel attempting to pass close aboard.

During extremely heavy weather and due to their exposed locations, lightships may be carried off station. The mariner should, therefore, not implicitly rely on a lightship maintaining its precisely charted position during and immediately following severe storms. A lightship known to be off station will secure her light, fog signal, and radiobeacon and fly the International Code signal "LO" signifying "I am not in my correct position."

Major light stations of Canada, which exhibit the main light 24 hours per day, are being equipped with an emergency light which is brought into service automatically throughout the hours of darkness in the event of failure of the main light. This emergency light has a standard characteristic of Group Flashing (6) White 15 sec., i.e. six flashes of 1/2 second duration followed by a period of darkness (eclipse) of 7 seconds. It will normally (on a dark night with a clear atmosphere) be visible at 2 nautical miles. The presence of such emergency lights is shown in column (8) of the List of Lights and Fog Signals.

FOG SIGNALS

The function of a fog signal in the system of aids to navigation is to warn of danger and to provide the mariner with an audible means of approximating his position relative to the fog signal when the station, or any visual signal which it displays, is obscured from view by atmospheric conditions.

Fog signals depend upon the transmission of sound through air. As aids to navigation, they have certain inherent defects that should be considered. Sound travels through the air in a variable and frequently unpredictable manner.

It has been established that:

fog signals are heard at greatly varying distances and that the distance at which a fog signal can be heard may vary with the bearing of the signal and may be different on different occasions;

under certain conditions of atmosphere, when a fog signal has a combination of high and low tones, it is not unusual for one of the tones to be inaudible. In the case of sirens, which produce a varying tone, portions of the blast may not be heard;

there are occasionally areas close to the signal in which it is wholly inaudible. This is particularly true when the fog signal is screened by intervening land or other obstructions;

fog may exist a short distance from a station and not be observable from it, so that the signal may not be in operation;

even though a fog signal may not be heard from the deck or bridge of a ship when the engines are in motion, it may be heard when the ship is stopped, or from a quiet position. Sometimes it may be heard from aloft though not on deck;

the intensity of the sound emitted by a fog signal may be greater at a distance than in immediate proximity.

All these considerations point to the necessity for the utmost caution when navigating near land in fog. Particular attention should be given to placing lookouts in positions in which the noises in the ship are least likely to interfere with hearing a fog signal. Fog signals are valuable as warnings, but the mariner should not place implicit reliance upon them in navigating his vessel. They should be considered solely as warning devices.

Among the devices in common use as fog signals are:

Radiobeacons which broadcast simple dot-and-dash combinations by means of a transmitter emitting modulated continuous waves;

Diaphones which produce sound by means of a slotted reciprocating piston actuated by compressed air. Blasts may consist of two tones of different pitch, in which case the first part of the blast is high and the last of a low pitch. These alternate pitch signals are called “two-tone;”

Diaphragm horns which produce sound by means of a diaphragm vibrated by compressed air, steam, or electricity. Duplex or triplex horn units of differing pitch produce a chime signal;

Nautophones, electrically operated instruments, each comprising a vibrating diaphragm, fitted with a horn, which emits a high note similar in power and tone to that of the reed;

Reed horns which produce sound by means of a steel reed vibrator by compressed air;

Sirens which produce sound by means of either a disk or a cup-shaped rotor actuated by compressed air or electricity;

Whistles which produce sound by compressed air emitted through a circumferential slot into a cylindrical bell chamber;

Bells which are sounded by means of a hammer actuated by hand, wave motion, by a descending weight, compressed gas, or electricity;

Guns and explosive signals which are produced by firing of explosive charges, the former being discharged from a gun, and the latter being exploded in midair;

Fog Detector Lights—certain light stations, in addition to the main light, are equipped with fog detector lights for automatic detection of fog. These lights sweep back and forth through an area over which the fog watch is necessary, showing a powerful bluish-white flash of about 1 second in duration. The interval between successive flashes will vary with the position of the vessel within the sector. At the limits of the sector the duration of the flash may be considerably longer than 1 second.

Fog detector lights operate continuously.

Standby fog signals are sounded at some of the light and fog signal stations when the main fog signal is inoperative. Some of these standby fog signals are of a different type and characteristic than the main fog signal.

Radiobeacons, RACONs, RAMARKs, and radio direction-finders are mentioned in the List of Lights, but for detailed information, including the synchronization of radio signals and sound signals for distance finding, the navigator should consult Pub. 117, Radio Navigational Aids.

Note—use Chart No. 1 for the complete list of symbols and abbreviations commonly used in presenting the essential characteristics of lights, fog signals, and radio aids found on charts.

VISIBILITY TABLE

Table of distances at which objects can be seen at sea according to their respective elevations and the elevation of the eye of the observer.

Height in Feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles
1	1.2	23	5.6	45	7.8	135	13.6	340	21.6	600	28.7
2	1.7	24	5.7	46	7.9	140	13.8	350	21.9	620	29.1
3	2.0	25	5.9	47	8.0	145	14.1	360	22.2	640	29.5
4	2.3	26	6.0	48	8.1	150	14.3	370	22.5	660	30.1
5	2.6	27	6.1	49	8.2	160	14.8	380	22.8	680	30.5
6	2.9	28	6.2	50	8.3	170	15.3	390	23.1	700	31.0
7	3.1	29	6.3	55	8.7	180	15.7	400	23.4	720	31.4
8	3.3	30	6.4	60	9.1	190	16.1	410	23.7	740	31.8
9	3.5	31	6.5	65	9.4	200	16.5	420	24.0	760	32.3
10	3.7	32	6.6	70	9.8	210	17.0	430	24.3	780	32.7
11	3.9	33	6.7	75	10.1	220	17.4	440	24.5	800	33.1
12	4.1	34	6.8	80	10.5	230	17.7	450	24.8	820	33.5
13	4.2	35	6.9	85	10.8	240	18.1	460	25.1	840	33.9
14	4.4	36	7.0	90	11.1	250	18.5	470	25.4	860	34.3
15	4.5	37	7.1	95	11.4	260	18.9	480	25.6	880	34.7
16	4.7	38	7.2	100	11.7	270	19.2	490	25.9	900	35.1
17	4.8	39	7.3	105	12.0	280	19.6	500	26.2	920	35.5
18	5.0	40	7.4	110	12.3	290	19.9	520	26.7	940	35.9
19	5.1	41	7.5	115	12.5	300	20.3	540	27.2	960	36.3
20	5.2	42	7.6	120	12.8	310	20.6	560	27.7	980	36.6
21	5.4	43	7.7	125	13.1	320	20.9	580	28.2	1000	37.0
22	5.5	44	7.8	130	13.3	330	21.3				

Explanation.—The line of sight connecting the observer and a distant object is at maximum length tangent with the spherical surface of the sea. It is from this point of tangency that the tabular distances are calculated. The table must accordingly be entered twice to obtain the actual geographic visibility of the object—first with the height of the object, and second with the height of the observer's eye—and the two figures so obtained must be added. Thus, if it is desired to find the maximum distance at which a powerful light may be seen from the bridge of a vessel where the height of eye of the observer is 55 feet above the sea, from the table:

	Nautical Miles
55 feet height of observer(visible)	8.7
200 feet height of light(visible)	16.5
Distance visible	25.2

CONVERSION TABLE — FEET TO WHOLE METERS

(FOR HEIGHTS OF LIGHTS)

1 foot = 0.3048 meter

Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
		40	12	80	24	120	37	160	49	200	61
1	0	41	12	81	25	121	37	161	49	300	91
2	1	42	13	82	25	122	37	162	49	400	122
3	1	43	13	83	25	123	37	163	50	500	152
4	1	44	13	84	26	124	38	164	50	600	183
5	2	45	14	85	26	125	38	165	50	700	213
6	2	46	14	86	26	126	38	166	51	800	244
7	2	47	14	87	27	127	39	167	51	900	274
8	2	48	15	88	27	128	39	168	51	1000	305
9	3	49	15	89	27	129	39	169	52		
10	3	50	15	90	27	130	40	170	52		
11	3	51	16	91	28	131	40	171	52		
12	4	52	16	92	28	132	40	172	52		
13	4	53	16	93	28	133	41	173	53		
14	4	54	16	94	29	134	41	174	53		
15	5	55	17	95	29	135	41	175	53		
16	5	56	17	96	29	136	41	176	54		
17	5	57	17	97	30	137	42	177	54		
18	5	58	18	98	30	138	42	178	54		
19	6	59	18	99	30	139	42	179	55		
20	6	60	18	100	30	140	43	180	55		
21	6	61	19	101	31	141	43	181	55		
22	7	62	19	102	31	142	43	182	55		
23	7	63	19	103	31	143	44	183	56		
24	7	64	20	104	32	144	44	184	56		
25	8	65	20	105	32	145	44	185	56		
26	8	66	20	106	32	146	45	186	57		
27	8	67	20	107	33	147	45	187	57		
28	9	68	21	108	33	148	45	188	57		
29	9	69	21	109	33	149	45	189	58		
30	9	70	21	110	34	150	46	190	58		
31	9	71	22	111	34	151	46	191	58		
32	10	72	22	112	34	152	46	192	59		
33	10	73	22	113	34	153	47	193	59		
34	10	74	23	114	35	154	47	194	59		
35	11	75	23	115	35	155	47	195	59		
36	11	76	23	116	35	156	48	196	60		
37	11	77	23	117	36	157	48	197	60		
38	12	78	24	118	36	158	48	198	60		
39	12	79	24	119	36	159	48	199	61		

RADIOBEACONS

RADIO DIRECTION-FINDER SETS ON SHIPS

Radio direction-finder sets on board ship enable bearings to be taken of transmissions from other ships, aircraft, shore stations, marine radiobeacons, and the coastal stations of the radio communication network. When located in the pilothouse or on the navigating bridge, the direction-finder enables the navigating officer to obtain bearings himself without reference to others and without delay.

Due to the great value of radio bearings, particularly when visibility is poor and when celestial observations cannot be obtained, the radio direction-finder on board ship deserves the same consideration and care as are given to the sextant and compass. It has the following characteristics in common with the two latter navigational instruments: the readings are subject to certain errors; these errors may be reduced by skillful and intelligent operation; the dangers of using erroneous readings may be greatly reduced by the intelligence and good judgment of the mariner. In order to acquire experienced judgment in the operation of the instrument, it is essential that the mariner use it as much as practicable.

Troubles from interference and weak signals are greatly reduced by the use of direction-finders of proper selectivity. The bearings must be corrected for radio deviation as shown by the calibration curve of the set.

Types of Radiobeacons

1. Directional radiobeacons which transmit radio waves in beams along fixed bearings.
2. Rotating radiobeacons by which a beam of radio waves is resolved in azimuth in a manner similar to the beam of light sent out by rotating lights.
3. Circular radiobeacons which send out waves of approximately uniform strength in all directions so that ships may take radio bearings of them by means of the ship's radio direction-finder sets. This is the most common type of radiobeacon.

To extend the usefulness of marine radiobeacons to ships and aircraft employing automatic radio direction finders, U.S. marine radiobeacons on the Atlantic and Pacific Coasts and Great Lakes have been modified to transmit a continuous carrier signal during the entire radiobeacon operating period with keyed modulation providing the characteristic signal. Unless a beat frequency oscillator is installed, the continuous carrier signals are not audible to the operator of an aural null direction finder. A ten second dash has been included in the characteristic of these radiobeacons, to enable the navigator using a conventional aural null direction finder to refine his bearing. Vessels with direction finders will be able to use the United States radiobeacons located on the Atlantic and Pacific Coasts, and Great Lakes at any time in their assigned sequence.

Aeronautical Radio Aids

Aeronautical radiobeacons and radio ranges are often used by navigators of marine craft in the same manner as marine radiobeacons are used for determining lines of positions. They are particularly useful along coasts where marine broadcast coverage is inadequate. Aeronautical aids situated inland become less trustworthy, so far as ships are concerned, when high land intervenes between them and the coast. They are established to be of primary usefulness to aircraft, and surface craft should use these aids with caution. Only those aeronautical radiobeacons considered to be of use to the mariner have been selected for inclusion in this publication.

AERONAUTICAL RADIOBEACONS. Like marine radiobeacons, these aids broadcast a characteristic signal on a fixed frequency.

NOTE: The assigned frequency of aeronautical radiobeacons is normally from 200 to 415 kHz while the frequency of marine radiobeacons is normally from 285 to 325 kHz. Aeronautical radiobeacons not within the marine radiobeacon band will not normally be listed in this publication.

The range signals are interrupted at intervals to permit broadcast of the identification signal. In aviation publications the range leg bearings are most often given as magnetic bearings toward the station; in this publication they are given as true bearings toward the station. Unless otherwise stated in the station details, aeronautical radio aids mentioned in this publication transmit continuously.

NOTE: Mariners are advised that changes to and deficiencies in aeronautical radio facilities are not always immediately available to maritime interests and the positions are approximate and listed to the nearest minute only.

Obligations of Administrations Operating Radiobeacons

The obligations of nations and other administrations operating radiobeacons are given in Article 43 of the Radio Regulations of the International Telecommunication Union, Geneva.

Accuracy of Bearings Taken Aboard Ship

No exact rules can be given as to the accuracy to be expected in radio bearings taken by a ship as the accuracy depends to a large extent upon the skill of the ship's operator, the condition of the ship's equipment, and the accu-

racy of the ship's calibration curve. Mariners are urged to obtain this information by taking frequent radio bearings when their ship's position is accurately known and by recording the results. Normally, United States radiobeacons are operated in a group of six, each station in a group using the same frequency and transmitting for one minute in its proper sequence, and operate during all periods, either sequenced or continuously, regardless of weather conditions.

SKILL OF OPERATOR: Skill in the operation of the radio direction-finder can be obtained only by practice and by observing the technical instructions for the set in question. For these reasons the operator should carefully study the instructions issued with the set and should practice taking bearings frequently.

OPERATOR'S ERROR: As the operator obtains bearings by revolving the direction-finder coil until the signal disappears or becomes a minimum, the operator can tell by the size of the arc of silence or of minimum strength approximately how accurately the bearing has been taken. For instance, if the minimum is broad and the residual signal covers about 10° with equal strength, it is doubtful if the bearing can be accurately estimated. On the other hand, if a sharp minimum can be obtained, the operator can determine the bearing to within a half of a degree.

In this connection it should be noted that a properly operating and correctly adjusted direction-finder should in no case produce other than a point or arc of absolute silence. That is, there should be no "residual" signal at the point or arc of observation. The sharpness and completeness of the arc of silence are the best indications of a properly operating direction-finder, and their absence is the best indication of the presence of "night effect."

SUNRISE, SUNSET, OR NIGHT EFFECT: Bearings obtained from about half an hour before sunset to about half an hour after sunrise may be subject to errors due to night effect. On some nights this effect is more pronounced than on others and effect is usually greatest during the hours of twilight. Night effect may be detected by a broadening of the arc of minimum signals and by a fluctuation in the strength of the signals. It may also be indicated by difficulty in obtaining a minimum or by a rapidly shifting minimum. It is sometimes accompanied by an actual shift in the direction of the bearings. If it is essential to obtain a bearing when the night effect is pronounced, several bearings should be taken over a short period of time and an average taken of them.

RADIO DIRECTION FINDER WITHOUT GYRO REPEATERS: The ship's compass must be read as the bearing is taken or an error may be introduced equal to the amount that the ship has yawed in the interval between taking the bearing and reading the compass. Any error in the ship's compass must be applied to the bearing.

RECIPROCAL BEARINGS: In some direction-finder sets, the operator cannot tell from which side of the ship the signals are coming. With these sets the operator shall correct both bearings for their respective deviations and give both corrected bearings to the person who is plotting the bearings on the chart. If the mariner is in doubt as to the side of the ship from which the bearings are coming, this difficulty can usually be solved by having another bearing taken after the ship has steamed a short distance and noting in which direction the bearing is changing.

CALIBRATION: It is essential that the radio direction-finder be accurately calibrated in order that the bearings may be corrected for deviation. While the bearings are being taken, other radio antennas on board must be in the same condition as they were when the calibration was made; movable parts of the ship's superstructure such as booms, davits, wire rigging, etc., must be secured in the positions which they occupied when the direction-finder was calibrated. Unusual cargoes such as large quantities of metals and extraordinary conditions of loading may cause errors.

The direction-finder should be recalibrated after any changes have been made in the set or its surroundings (this includes alterations to or changes in position of antennas, wire rigging, boat davits, booms, etc.) whenever there is reason to believe that the previous calibration has become inaccurate, and also at periodic intervals.

The calibration must be made on approximately the same frequency or frequencies as will be used to take bearings because the deviation for several frequencies is not likely to be the same. It is believed that one calibration curve is satisfactory for the normal radiobeacon frequency (285 to 325 kHz), but the instructions issued by the manufacturer of the particular direction-finder in question should be studied in this connection.

To facilitate the calibration of ship's direction-finders, special arrangements have been made by some services for operation of their radiobeacons at times other than their published schedules. Information as to the arrangements made by the United States stations in this respect is as follows:

Sequenced radiobeacons cannot broadcast at any time other than on their assigned operating minute for the purpose of enabling vessels to calibrate their radio direction finders without causing interference. Special radio direction finder calibration transmitters of short range are operated at certain localities to provide continuous calibration service.

The position given for the antenna is the point from which the radiobeacon signal is emitted.

If it is not practicable to determine the time of calibration sufficiently in advance to contact the district commander, request may be made directly to the stations by means of telephone, telegraph, or a whistle signal consisting of three long blasts; followed by three short blasts.

This whistle signal is to be repeated until it is acknowledged by the station through the starting of the transmitter. The same group of signals should be sounded at the termination of calibration.

The work of the station personnel is not confined to standing watch and there may be times when the whistle request for calibration is not immediately heard, due to the noise from operating station machinery, etc. Usually, a repeated signal not too far from the station will attract attention.

"COMPENSATED" RADIO DIRECTION-FINDERS: Many radio direction-finders are "compensated" and no calibration chart or curve is used. Attention is invited to the fact that such compensation is just as vulnerable as the calibration data due to changes made in the set or its surroundings.

CHECK THE CALIBRATION: The calibration of compensation should be checked frequently by taking bearings when the ship's position is accurately known and the results should be recorded for future reference.

CALIBRATION RADIOBEACONS: In the United States and certain other areas special radiobeacons, primarily for calibrating shipboard direction-finders are in operation. These radiobeacons transmit either continuously during scheduled hours or upon request, as indicated in station details.

COASTAL REFRACTION (OR LAND EFFECT): Errors may occur in bearings taken by ships so located that the line of observation to the radiobeacon passes over land or along the shore line. However, many observations seem to indicate that such errors are negligible when the observing vessel is well out from the shore. Bearings secured entirely over water areas are to be preferred since "land effect" is thus eliminated. Bearings taken at sunset and sunrise are likely to be erratic, and observations taken at these hours should therefore be repeated and checked as may be feasible.

PROGRAM BROADCASTING STATIONS: Before taking bearings on a station broadcasting entertainment programs a mariner should consider that frequency may differ widely from the frequency for which the set is calibrated, that the published location of the station may be that of its studio and not that of its transmitting antenna, that if the station is synchronized with other stations it may be impossible to tell on which station the bearing was taken, and that as the majority of these stations are inland, the coastal refraction may be excessive.

Station Details

FREQUENCY: The frequency listed is that used by the station in transmitting its "Characteristic Signal." Calling frequencies, if any, will be given under "remarks."

RANGE: In this book the range of radiobeacons is only approximate and is given merely to assist mariners in planning their voyages and to inform them of several radiobeacons they will probably hear first. Frequently, when conditions for radio reception are good, radiobeacons may be heard at greater distances than indicated. The mariner who is at a greater distance than the range indicated should attempt to obtain bearings when necessary, and not assume that the radiobeacon will be unheard beyond its indicated range.

GROUP SEQUENCE: Selected radiobeacons are grouped together on the same operating frequency and are assigned a specific sequence of transmission within this group. This reduces station interference and unnecessary returning.

ANTENNA LEAD-IN: Included in the details of many radiobeacons located at or near light stations is a statement of the distance and bearing of the radiobeacon transmitting antenna from the light tower. Use should be made of this information when calibrating the ship's direction-finding equipment by means of simultaneous visual and radio bearings.

Plotting Radio Bearings

The procedure for converting radio (great circle) bearings as received by direction-finder equipment aboard ship is identical with that used in converting radio bearings supplied by direction-finder stations on shore and is described in section 100E "Plotting Radio Bearings" of Pub. 117, Radio Navigational Aids.

Synchronization for Distance Finding

At some radiobeacon stations, sound signals, either submarine or air or both, are synchronized with the radiobeacon signals for distance finding. Ordinarily, the sound signals do not operate during the transmission period of the radio signal in clear weather. The methods in use employ, as a rule, distinctive signals to indicate the point of synchronization, and make use, for determining distance, of the lag of signals traveling through air or water as compared to the practically instantaneous travel of the radio signals.

In the case of some sound signals, a series of short radio dashes is transmitted at intervals following the synchronizing point, so that by counting the number of such short dashes heard after the distinctive radio signal and before hearing the corresponding distinctive sound signal, the observer obtains the distance, in miles equal to the number of dashes counted, from the sound signal apparatus unless stated otherwise.

In the case of other signals, the observer notes the number of seconds intervening between the reception of the distinctive radio signal and the corresponding sound signal and uses a factor to determine distances in miles as follows:

Submarine signals–multiply the observed numbers of seconds by 0.8 or divide by 1.25 distance in nautical miles.

Air signals–multipy the observed number of seconds by 0.18 or divide by 5.5. For more approximate results or for statute miles, multiply the observed number of seconds by 0.2 or divide by 5.

Tables for finding distance

Interval in seconds	Distances in nautical miles from sound signal source	
	Air	Submarine
1	0.18	0.8
2	0.36	1.6
3	0.54	2.4
4	0.72	3.2
5	0.90	4.0
6	1.08	4.8
7	1.26	5.6
8	1.44	6.4
9	1.62	7.2
10	1.80	8.0
20	3.60	16.0
30	5.40	24.0
40	7.20	
50	9.00	
60	10.80	

REMARKS: Average speed of sound travel in water is 1 nautical mile in 11/4 seconds.

The speed of sound travel is influenced by a number of conditions making it impracticable to state a factor that will give exact results under all conditions. The results obtained by the methods described may be accepted as being accurate to within 10 percent of the distance.

Methods of synchronizing the signals vary and are described or illustrated in official announcements regarding them. It is essential to note carefully the point of synchronization used so that no error will be made through taking time on the wrong signal or the wrong part of it.

In observing air signals it is usually sufficient to use a watch with second hand, although a stop watch is helpful. For submarine signals where the interval is shorter and a time error correspondingly more important, it is essential that a stop watch or other timing device be used. Where the radiobeacon and submarine signals are not received at the same point on the vessel, means of instant communication between two observers should be available or synchronized stop watches provided for each.

Ships not equipped with a DF receiver can take advantage of the distance-finding feature of a radiobeacon station, if equipped with a radio receiver capable of receiving the transmission. In the case of obtaining distance from a radiobeacon station which is synchronized with a submarine sound signal, the ship must also be equipped with a device for picking up submarine sound signals.

Rotating Loop Radiobeacon

MODE OF OPERATION:

(1) The radiobeacon consists of a rotating loop transmitter having directional properties by which an observer in a ship can obtain his bearing from the beacon without the use of a direction-finder. Any ordinary receiving set capable of being tuned to the radiobeacon's frequency may be used. The only other equipment required is a reliable stop watch or chronograph with a sweep second hand. Stop watches and clocks with dials graduated in degrees may be used, from which bearings may be read directly without any mathematical calculation.

(2) During each revolution of the beacon, the signals received by the observer will rise and fall in intensity, passing through a maximum and a minimum twice each minute. The positions of minimum intensity, which occur at intervals of thirty seconds from one another, are very sharp and can be accurately observed. These are, therefore, used for navigation purposes.

The beacon may be regarded as having a line or beam of minimum intensity which rotates at a uniform speed of 360° in 1 minute (i.e. 6° in 1 second) based on the true meridian as starting point. Therefore, if the observer can (a) identify the beacon and (b) measure the number of seconds which this minimum beam takes to reach their position starting from the true meridian, this number multiplied by six will give their true bearing from the beacon or its reciprocal.

The signals which enable the beacon to be identified and the bearing to be calculated are described in the following paragraphs:

Signals transmitted by the beacon: Each transmission from the beacon lasts for 4 minutes; the beacon is then silent for 8 minutes, and automatically starts again at the end of the silent period. Each transmission consists of two parts: (a) the identification signal of the station set at a slow speed for the first minute, commencing when the minimum beam is true east and west and followed by a long dash of about 12 seconds duration; (b) the signal group commencing when the minimum beam is approaching the true meridian, and consisting of (i) the north starting signal, which is the letter V followed by two dots (••• – ••); (ii) a long dash of about 12 seconds duration; (iii) the east starting signal, which is the letter B followed by two dots (– ••• ••); and (iv) a long dash for about 42 seconds.

The navigation signals are repeated during the remainder of the transmission and signals cease when the minimum beam is in the east and west position.

INSTRUCTIONS FOR TAKING BEARINGS

(i) Set stop watch to zero.

(ii) Listen for identification signal.

(iii) When the first long dash begins (at A on diagram) get ready for the "north signal."

(iv) After the "north signal," start stop watch exactly at beginning of long dash (see "00 seconds" on diagram) counting one-two with the two preceding dots, and 3 for the start of the stop watch.

(v) Listen for minimum and note its exact time by stop watch.

NOTE: If stop watch is graduated in degrees note exact angle, which is the bearing.

(vi) Multiply number of seconds by 6° for bearing.

(vii) Determine whether bearing is direct or reciprocal.

(viii) If the "north signal" is faint, use the "east signal," but add 090° to final bearing.

Particular attention is directed to the following:

(a) The stop watch must be started exactly at the beginning of the long dash for each series of observations.

(b) The time of occurrence of the minimum must be read to the nearest fifth of a second.

(c) The bearing obtained will be either the direct bearing or its reciprocal.

(d) When using the east signal, add 090° to obtain bearings from true north.

(e) The beacon is set up on the true meridian, and no correction is required for magnetic variation.

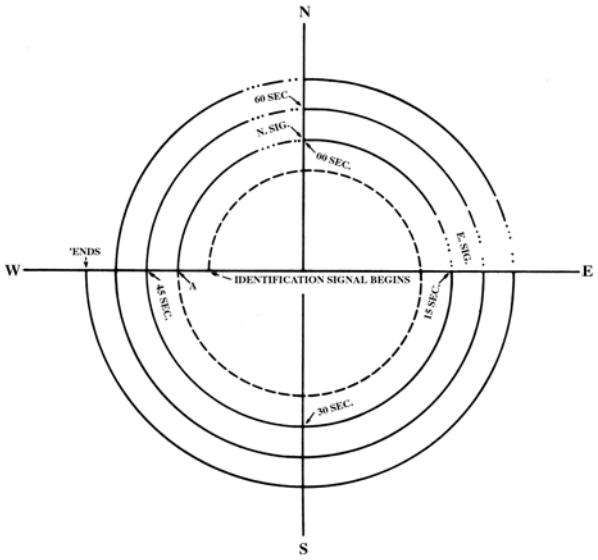
(f) No quadrantal error arises, and no corrections are necessary except as in (c) and (d) above.

(A correction must, of course, be made for convergency; this should be applied as if the beacon were a shore radio direction-finder station.)

(g) A comparatively large error of bearing may occur due to inaccuracy in the stop watch, and to obviate this, observers or navigators should check their stop watches on the beacon station before taking bearings. This can easily be done by checking the time by stop watch of the complete revolution of the beacon transmission. Any error found can then be allowed for.

Caution

Due to the many factors which enter into the transmission and reception of radio signals, a mariner cannot practically estimate its distance from a radiobeacon either by the strength of the signals received or by the time at which the signals were first heard. Mariners should give this fact careful consideration in approaching radiobeacons. A diagram showing the signals used is given below.



ROTATING RADIOBEACON
SIGNAL DIAGRAM

DESCRIPTION

(Radiobeacons)

Information is tabulated in eight columns as follows:

column 1: The number assigned to each radiobeacon by this Agency.

column 2: Name and/or descriptive location of the radiobeacon.

column 3: Approximate latitude and longitude of the radiobeacon to the nearest tenth of a minute.

column 4: Radiobeacon characteristics. Included in this column are the Morse code, period in seconds, length of transmission and silence time.

column 5: Range (approximate) in nautical miles.

column 6: Group sequence. Selected radiobeacons are grouped together on the same operating frequency and are assigned a specific sequence of transmission within this group. This reduces station interference and unnecessary return.

column 7: Frequency (given in kilohertz) and amplitude modulation (see Table Symbols).

column 8: Remarks. Transmission synchronization, type of radiobeacon (marine, aero, etc.), calibration, antenna lead-in, calling frequencies, distance-finding information, service charges, hours of transmission, directional signals and other pertinent information.

ABBREVIATIONS

aero . . . . . aeronautical
tr . . . . . transmission
si . . . . . silence
s . . . . . seconds
(4) . . . . . 4 times
Transmission is continuous unless otherwise stated.

TABLE OF SYMBOLS

LEGEND

(1) Type of modulation of the main carrier.
(2) Nature of signal(s) modulating the main carrier.
(3) Type of "information" to be transmitted. "Information" does not include information of a constant, unvarying nature such as provided by standard frequency emissions, continuous wave and pulse radars, etc.

AMPLITUDE MODULATION:

N0N

(1) Emission of an unmodulated carrier.
(2) No modulating signal.
(3) No information transmitted.

A1A

(1) Double-sideband.
(2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
(3) Telegraphy (for aural reception).

A2A

(1) Double-sideband.
(2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
(3) Telegraphy (for aural reception).

A3E

(1) Double-sideband.
(2) Single channel containing analog information.
(3) Telephony (including sound broadcasting).

R3E

(1) Single-sideband (reduced or variable level carrier).
(2) Single channel containing analog information.
(3) Telephony (including sound broadcasting).

B8E

(1) Independent sidebands.
(2) Two or more channels containing analog information.
(3) Telephony (including sound broadcasting).

H2A

(1) Single-sideband (full carrier).
(2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
(3) Telegraphy (for aural reception).

H3E

(1) Single-sideband (full carrier).
(2) Single channel containing analog information.
(3) Telephony (including sound broadcasting).

J3E

(1) Single-sideband (suppressed carrier).
(2) Single channel containing analog information.
(3) Telephony (including sound broadcasting).

A3C

(1) Double-sideband.
(2) Single channel containing analog information.
(3) Facsimile.

A3F

(1) Double-sideband.
(2) Single channel containing analog information.
(3) Television (video).

B7D

(1) Independent sidebands.
(2) Two or more channels containing quantized or digital information.
(3) Data transmissions, telemetry, telecommand.
Note: With 6 kHz. EDW operation in the bands below 30 MHz allocated exclusively for Maritime Mobile Service (FC, MO).

FREQUENCY (OR PHASE) MODULATION:

F1B

(1) Frequency modulation.
(2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
(3) Telegraphy (for automatic reception).

F2A

(1) Frequency modulation.
(2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
(3) Telegraphy (for aural reception).

F3E

(1) Frequency modulation.
(2) Single channel containing analog information.
(3) Telephony (including sound broadcasting).

F3C

(1) Frequency modulation.
(2) Single channel containing analog information.
(3) Facsimile.

F3F

(1) Frequency modulation.
(2) Single channel containing analog information.
(3) Television (video).

P1B

(1) Sequence of unmodulated pulses.
(2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
(3) Telegraphy (for automatic reception).

Pulse Modulation:
GHz = gigahertz
kHz = kilohertz
MHz = megahertz

DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS)

Differential Global Positioning System (DGPS) is a radio-based navigation system that eliminates errors in a GPS receiver that will allow the accuracy level to be significantly enhanced. DGPS accuracy can be 10 meters or better, compared with 100 meters or better with GPS. This is possible by placing a high-performance GPS receiver (reference station) at a known location. Because the receiver knows its exact location, it can determine the errors in the satellite signals. The satellite measures the ranges to each satellite using the signals received and comparing these measured ranges to the actual ranges calculated from its known position. The total error is the difference between the measured and calculated range. The error data for each tracked satellite is formatted into a correction message and transmitted to GPS users. The correction message format follows the standard established by the Radio Technical Commission for Maritime Services, Special Committee 104 (RTCM-SC104). These differential corrections are then applied to the GPS calculations, thus removing most of the satellite signal error and improving accuracy.

Terms for understanding DGPS:

DGPS Correction Receiver

A DGPS correction receiver decodes the signals received from a reference site. Data is formatted into a serial RTCM SC104 data stream and provided to the remote GPS receiver. There are many types of DGPS correction receivers.

GPS Receivers

The GPS receiver measures ranges to each satellite, but before the measurements are used to calculate position, corrections received from the DGPS receiver are applied to the measurements. The position is then calculated using the corrected range measurements providing vastly increased accuracy.

Modulator

Depending on the transmission format, the modulator encodes the data as necessary for transmission.

Reference Station

The refrence station GPS receiver knows exactly the position of its antenna, therefore it knows what each satellite range measurement should be. It measures the ranges to each satellite using the received signals just as if it was going to calculate position. The measured ranges are subtracted from the known ranges and the result is range error. The range error values for each satellite are formatted into messages in the RTCM SC104 format and transmitted continuously.

Transmitter

The transmitter is basically a power amplifier which is connected to an antenna system. The modulated carrier is amplified and driven to the antenna. In the United States Coast Guard system, the transmitter is 250-1000 Watts and operates in the 300Khz frequency range. The amplified signal is radiated via the antenna to remote DGPS receivers for real-time position correction.

DESCRIPTION

(Differential GPS Stations)

Information is tabulated in eight columns as follows:

column 1: The number assigned to each DGPS Station by this Agency.

column 2: Name of the DGPS Station

column 3: Approximate latitude and longitude of the DGPS Transmitting Station to the nearest tenth of a minute.

column 4: Station ID which can be found in the IALA Master list. No two stations have the same ID. **T** dentoes the Transmitting Station, **R** denotes the Reference Station.

column 5: Range (approximate) in nautical miles.

column 6: Frequency in kHz.

column 7: Transfer Rate which equates to the baud rate and will be published as a whole number without any additional abbreviations such as “bps” (bits per second)

column 8: Remarks. This column contains information about the reference stations and messages types transmitted. GPS Message Type Numbers are 1, 3, 4, 5, 6, 7, 9, 15 and 16. *(Refer to message type descriptions below)*

GPS MESSAGE TYPE NUMBER INDICATORS

1	Differential GNSS corrections (full set of satellites)
3	Reference stations parameters
4	Datum used
5	Constellation health
6	Null frame (no information)
7	Radiobeacons Almanacs
9	Sub-set differential GNSS corrections
15	Ionospheric corrections
16	Special messages

Section 1

Panama and West Coast of South America
Including Colombia, Ecuador and Peru

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PANAMA				
4 *G 3280*	Isla Burica.	8° 01.1′ N 82° 52.6′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	111 **34**	12	Fiberglass tower; 33.	
7 *G 3279*	Puerto Dulce.	8° 17.0′ N 82° 51.8′ W	**Fl.R.**			Red and white framework tower.	
8 *G 3278*	Puerto Armuelles, pier, head.	8° 16.1′ N 82° 51.4′ W	**Oc.R.** period 2s **F.R.** (vert.)	68 **21**	9		**Aero Radiobeacon** 27 miles ENE. Oc.R. on radio towers 0.45 mile and 0.5 mile NW. F.R. on radio towers 0.46 mile and 0.83 mile NNW.
9 *G 3279.3*	-Petroterminal de Panama, Berth 1.	8° 12.0′ N 82° 53.0′ W	**Q.R.**				
10 *G 3279.4*	--2.	8° 12.0′ N 82° 53.0′ W	**Q.R.**				
11 *G 3279.5*	--3.	8° 12.0′ N 82° 53.0′ W	**Q.W.**				
12 *G 3266*	**Isla Ladrones.**	7° 51.9′ N 82° 26.5′ W	**L.Fl.W.** period 9s fl. 3s, ec. 6s	213 **65**	**16**	White metal framework tower; 38.	
16 *G 3268*	Isla Parida.	8° 06.0′ N 82° 22.3′ W	**L.Fl.W.** period 8s fl. 3s, ec. 5s	125 **38**	13	White metal framework tower; 20.	
20 *G 3264*	Isla Montuosa.	7° 28.3′ N 82° 14.4′ W	**L.Fl.W.** period 7s fl. 2s, ec. 5s	98 **30**	11	White metal framework tower; 38.	
22 *G 3269*	Isla Ensillada.	8° 09.1′ N 82° 09.7′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	203 **62**	14	White metal framework tower; 40.	
24 *G 3267*	**Islas Secas.**	7° 56.8′ N 82° 00.5′ W	**L.Fl.W.** period 9s fl. 2s, ec. 7s	207 **63**	**15**	White metal framework tower; 20.	
26 *G 3267.5*	Islas Contreras, Isla Uva.	7° 47.9′ N 81° 45.9′ W	**L.Fl.W.** period 12s fl. 2s, ec. 10s	92 **28**	12	White metal framework tower; 20.	
28 *G 3262*	**Isla Jicarita.**	7° 12.4′ N 81° 47.9′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	335 **102**	**20**	White metal framework tower; 49.	Visible 270°-118°.
32 *G 3256*	Isla Canal de Afuera, S. side.	7° 41.6′ N 81° 38.3′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	86 **26**	10	White metal framework tower; 20.	
36 *G 3254*	**Isla de Cebaco.**	7° 29.3′ N 81° 15.5′ W	**Fl.W.** period 3s fl. 0.5s, ec. 2.5s	348 **106**	**19**	White metal framework tower; 20.	
38 *G 3252*	**Punta Mariato.**	7° 12.5′ N 80° 53.0′ W	**Fl.W.** period 30s fl. 1s, ec. 29s	335 **102**	**21**	White metal framework tower; 38.	
40 *G 3250*	**Morro de Puercos.**	7° 14.7′ N 80° 25.9′ W	**Fl.W.** period 7.5s fl. 0.7s, ec. 6.8s	276 **84**	**19**	White metal framework tower; 50.	Visible 245°-072°.
42 *G 3225*	-Puerto Aquadulce, No 13.	8° 12.3′ N 80° 28.2′ W	**Fl.W.**	3 **1**	2	Black beacon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PANAMA				
43 *G 3225.3*	--No 14.	8° 12.3′ N 80° 28.2′ W	**Fl.R.**	3 **1**	2	Red beacon.	
44 *G 3246*	Frailes del Sur.	7° 20.3′ N 80° 08.5′ W	**Fl.R.** period 4s fl. 0.5s, ec. 3.5s	66 **20**	9	White pyramidal concrete tower; 40.	
45 *G 3251*	-Northwards AVIATION LIGHT.	7° 40.4′ N 80° 25.9′ W	**F.R.**				Obstruction.
46 *G 3240*	Isla Villa.	7° 56.1′ N 80° 18.1′ W	**Fl.W.** period 18s fl. 1.8s, ec. 16.2s	118 **36**	12	White metal framework tower; 40.	
47 *G 3243*	Isla Iguana.	7° 37.7′ N 79° 59.8′ W	**Fl.W.** period 13s fl. 1s, ec. 12s	82 **25**	10	White metal framework tower; 40.	Visible 184°48′-090°.
	GULF OF PANAMA:						
48 *G 3242*	-Punta Mala.	7° 28.2′ N 80° 00.0′ W	**L.Fl.W.** period 20s fl. 5s, ec. 15s	148 **45**	13	White metal framework tower; 108.	
	-RACON		**M(– –)**				(3 & 10cm).
52 *G 3222*	**-Isla Bona.**	8° 34.1′ N 79° 35.3′ W	**L.Fl.W.** period 13s fl. 3s, ec. 10s	174 **53**	**22**	White metal framework tower, 40.	
55 *G 3218.5*	-Breakwater, head.	8° 51.7′ N 79° 40.2′ W	**Fl.(2)W.** period 10s fl. 0.8s, ec. 1.4s fl. 0.8s, ec. 7s	28 **9**	7	White tower.	3 Q.W. lights mark jetty heads inside harbor.
56 *G 3217*	-Islote Valladolid.	8° 42.8′ N 79° 36.1′ W	**L.Fl.W.** period 30s fl. 5s, ec. 25s	85 **26**	14	White metal framework tower; 14.	
57 *G 3218*	-Vacamonte Range, front.	8° 52.0′ N 79° 40.2′ W	**F.W.**	58 **18**	13	Tower, white triangular daymark point up.	
58 *G 3218.1*	--Rear, 150 meters 321° from front.	8° 52.1′ N 79° 40.3′ W	**F.W.**	71 **22**	13	Tower, white triangular daymark point down.	
60 *G 3216*	**-Penon Limoncillo.**	8° 44.6′ N 79° 34.7′ W	**L.Fl.W.** period 15s fl. 2s, ec. 13s	75 **23**	**17**	White metal framework tower.	
64 *G 3215*	-Isla Tarapa.	8° 46.0′ N 79° 32.3′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	12	White metal framework tower; 14.	
68 *G 3214*	**-Isla Taboguilla.**	8° 48.3′ N 79° 30.6′ W	**L.Fl.W.** period 7s fl. 2s, ec. 5s	200 **61**	**26**	White metal framework tower; 20.	**Aero Radiobeacon** 2.8 miles SW. (on Taboga Island).
72 *G 3214.5*	--N. side of island.	8° 48.9′ N 79° 30.6′ W	**L.Fl.W.** period 20s fl. 2s, ec. 18s	59 **18**	14	White metal framework tower; 20.	
96 *G 3198*	**-Flamenco Island.**	8° 54.4′ N 79° 31.2′ W	**Oc.(2)W.R.** period 5s lt. 0.5s, ec. 1.5s lt. 2s, ec. 1s	154 **47**	**19**	White square concrete pedestal.	W. 267°-003°, R.-054°. Storm signals shown from radio tower 3.4 miles NNW.
	-RACON		**N(– •)**				(3 & 10cm).
97 *G 3201*	-Isla Naos, M1.	8° 55.0′ N 79° 32.2′ W	**Fl.Y.** period 2s			Head of mine dock.	
98 *G 3201.2*	--M2.	8° 54.8′ N 79° 32.2′ W	**Fl.Y.** period 2s fl. 0.5s, ec. 1.5s			Yellow beacon, pile.	
100 *G 3209*	-Howard AVIATION LIGHT.	8° 55.9′ N 79° 35.2′ W	**Al.Fl.W.G.** period 5s	300 **91**			Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PANAMA				
104 *G 3200*	-Entrance Range 1, front, W. bank of canal.	8° 57.4′ N 79° 34.5′ W	**F.G.**	65 **20**	14	Concrete tower; 26.	Visible on range line only. Canal marked by lights and range lights.
106 *G 3200.05*	**--1A,** Middle.	8° 57.6′ N 79° 34.7′ W	**F.G.**	95 **29**	**16**		F.W. 29m 6M during daylight hours.
108 *G 3200.1*	--Rear 2, 4.1 km. 321°45′ from front.	8° 58.4′ N 79° 35.3′ W	**Oc.G.** period 3.5s lt. 3s, ec. 0.5s	200 **61**	**20**	Concrete tower; 98.	Oc.W. 3.5s 6M during daylight hours.
112 *G 3208*	-Corozal AVIATION LIGHT.	8° 58.9′ N 79° 34.0′ W	**Al.Fl.W.G.** period 6.6s	379 **116**		Metal tower; 56.	F.R. on tank 90 meters NW. Occasional.
120 *G 3206*	-Tocumen AVIATION LIGHT.	9° 05.0′ N 79° 22.2′ W	**Al.Fl.W.G.** period 10s	200 **61**		Tower; 30.	Occasional.
124 *G 3194*	**-Isla Chepillo.**	8° 57.1′ N 79° 07.7′ W	**Fl.W.** period 8s fl. 1s, ec. 7s	200 **61**	**26**	White metal framework tower; 20.	
128 *G 3191*	-Isla Pacheca.	8° 40.1′ N 79° 03.0′ W	**Fl.W.** period 7s fl. 0.5s, ec. 6.5s	39 **12**	12	White concrete structure; 20.	
131 *G 3188.5*	**-Isla Senora.**	8° 26.6′ N 79° 06.6′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s		**17**		
132 *G 3189*	**-San Miguel.**	8° 27.2′ N 78° 56.1′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	85 **26**	**15**	Concrete tripod; 20.	Visible 086°-180°.
136 *G 3188*	**-Isla San Jose.**	8° 12.9′ N 79° 07.7′ W	**L.Fl.W.** period 6s fl. 2s, ec. 4s	230 **70**	**21**	Concrete tripod; 20.	Visible 291°-148°.
140 *G 3192*	**-Isla El Pelado.**	8° 38.0′ N 78° 42.2′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	85 **26**	**15**	Concrete tripod; 20.	
144 *G 3186*	**-Punta Brujas.**	8° 35.0′ N 78° 32.3′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	151 **46**	**17**	Concrete tripod; 20.	Visible 345°-215°.
148 *G 3185*	-Isla Batatilla.	8° 19.5′ N 78° 22.6′ W	**Fl.(2)W.R.** period 30s fl. 1s, ec. 3s fl. 1s, ec. 25s	33 **10**	7	Concrete structure; 10.	
152 *G 3184*	-La Palma, on W. side of Punta Virago.	8° 25.0′ N 78° 10.0′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	6 **2**	4	White pyramidal concrete tower; 10.	Visible 047°-222°.
156 *G 3182*	-Isla Patinito.	8° 15.5′ N 78° 18.7′ W	**L.Fl.W.** period 10s fl. 2s, ec. 8s	52 **16**	10	Concrete tripod; 10.	Visible 338°36′-227°24′.
157 *G 3187*	**-Isla Galera.**	8° 11.6′ N 78° 46.6′ W	**Fl.W.** period 15s fl. 1.5s, ec. 13.5s	200 **61**	**17**	White metal framework tower; 40.	Visible 301°-151°.
160 *G 3180*	-Punta Garachine.	8° 05.2′ N 78° 24.4′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	52 **16**	10	White metal framework tower; 20.	
168 *G 3154*	**-Punta Pina.**	7° 33.4′ N 78° 12.2′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	229 **70**	**19**	White metal framework tower; 40.	
170 *G 3153.5*	Punta Cocalito.	7° 17.7′ N 77° 58.2′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	124 **38**	10	White metal framework tower; 40.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			COLOMBIA				
172 *G 3153.2*	**Punta Ardita.**	7° 09.0′ N 77° 48.6′ W	**Fl.(2)W.** period 25s fl. 1s, ec. 1s fl. 1s, ec. 22s	551 **168**	**30**	Red tower, white bands; 98.	
174 *G 3153*	**Cabo Marzo.**	6° 49.9′ N 77° 41.2′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	223 **68**	**23**	Red and white tower.	
176 *G 3150*	**Punta Solano.**	6° 17.7′ N 77° 28.9′ W	**L.Fl.W.** period 12s fl. 2s, ec. 10s	144 **44**	**17**	Red tower, white bands; 30.	
180 *G 3152*	Mutis.	6° 14.0′ N 77° 23.7′ W	**Fl.G.** period 6s	43 **13**	11	Red and white tower; 13.	Visible 151°-157°.
181 *G 3147*	**Nuqui.**	5° 42.8′ N 77° 16.3′ W	**Fl.(2)W.** period 20s fl. 1s, ec. 3s fl. 1s, ec. 15s	207 **63**	**19**	Red metal structure; 92.	
182 *G 3145*	**Cabo Corrientes.**	5° 29.2′ N 77° 32.8′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	614 **187**	**31**	Red and white tower; 59.	
183 *G 3143*	Pizzaro.	4° 57.1′ N 77° 22.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	85 **26**	12	Conical structure, red and white bands; 59.	
184 *G 3140*	**Punta Charambira.**	4° 15.1′ N 77° 31.3′ W	**Fl.W.** period 12s fl. 1.2s, ec. 10.8s	118 **36**	**16**	White tower, red bands; 118.	
186 *G 3142*	**Isla Malpelo.**	4° 00.3′ N 81° 36.4′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	840 **256**	**36**	White tower, red bands; 10.	
	BAHIA DE BUENAVENTURA:						
188 *G 3136*	**-Isla Palmas.**	3° 54.1′ N 77° 21.5′ W	**Fl.(2)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 16s	151 **46**	**21**	Red and white framework tower; 125.	Visible 308°-162°.
189 *G 3137*	-B.	3° 54.9′ N 77° 21.5′ W	**Iso.Y.** period 4s	43 **13**	11	White structure; 49.	
190 *G 3137.5*	-C.	3° 55.5′ N 77° 20.9′ W	**Fl.(2)Y.** period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	43 **13**	11	White structure; 49.	
200 *G 3132*	**-Punta Soldado.**	3° 48.5′ N 77° 10.8′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	184 **56**	**18**	Red framework tower, white bands; 164.	**Radar reflector.**
202 *G 3133*	**-Buenaventura, La Pilota.**	3° 53.0′ N 77° 04.2′ W	**Fl.G.** period 5s fl. 0.7s, ec. 4.3s	138 **42**	**17**	Silver tower; 98.	Visible 049°30′-052°30′.
202.5 *G 3133.06*	-Islalba No 1.	3° 53.2′ N 77° 05.6′ W	**Q.(9)Y.** period 15s	13 **4**	8	Red and white tower; 10.	Visible 353°-359°.
202.6 *G 3133.07*	-Arrieral.	3° 53.7′ N 77° 05.6′ W	**Fl.Y.** period 4s fl. 1.5s, ec. 2.5s	26 **8**	10	Red and white tower; 16.	Visible 353°-359°.
			Fl.Y. period 4s	30 **9**			Visible 270°-276°.
203 *G 3132.3*	-El Pinal.	3° 52.8′ N 77° 03.4′ W	**Fl.(2)G.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	13 **4**	8	Gray tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			COLOMBIA				
203.4 *G 3133.04*	-Muelle Turistico.	3° 53.3′ N 77° 04.9′ W	**Fl.(2)Y.** period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	16 **5**	8	Yellow beacon.	
203.5 *G 3132.5*	-Isla Margarita.	3° 52.6′ N 77° 04.2′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	23 **7**	8	Green pillar.	
210 *G 3129*	**Punta Coll.**	3° 00.2′ N 78° 10.1′ W	**L.Fl.W.** period 10s fl. 2s, ec. 8s	213 **65**	**20**	Red tower, white bands; 62.	
211 *G 3128.5*	Punta del Mono.	2° 57.9′ N 78° 10.6′ W	**Fl.(2)W.** period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	10 **3**	7	Red tower, white band; 7.	
212 *G 3128*	**Isla Gorgonilla.**	2° 56.5′ N 78° 13.1′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	331 **101**	**24**	Red and white tower.	
213 *G 3130.1*	Bocana Guapi.	2° 40.4′ N 77° 57.3′ W	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	46 **14**	11	Red tower, white bands.	
214 *G 3130.5*	**Timbiqui.**	2° 47.8′ N 77° 45.5′ W	**Fl.(2)W.** period 25s fl. 1s, ec. 1s fl. 1s, ec. 22s	36 **11**	**15**	Red tower, white band.	
215 *G 3131*	Punta Coco.	2° 58.3′ N 77° 42.2′ W	**Fl.W.** period 30s	46 **14**	12	Red and white tower.	
216 *G 3126*	**Pasa Caballos.**	2° 26.6′ N 78° 33.0′ W	**Fl.(2)W.** period 20s fl. 1s, ec. 3s fl. 1s, ec. 15s	125 **38**	**18**	Red tower, white band; 121.	
	RADA DE TUMACO:						
220 *G 3124*	**-Tumaco Island.**	1° 49.4′ N 78° 43.6′ W	**Fl.W.R.** period 4s fl. 0.8s, ec. 3.2s	302 **92**	**21**	Red square concrete tower, white bands; 36.	R. 203°-208°, W.-203°.
224 *G 3124.5*	-El Viudo.	1° 51.2′ N 78° 42.8′ W	**Q.(2)W.** period 5s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 3.8s	39 **12**	10	ISOLATED DANGER BRB, post, topmark.	
226 *G 3125.4*	-Range, front.	1° 49.1′ N 78° 48.6′ W	**Fl.(2)W.** period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	39 **12**	12	White tower, red bands; 39.	
227 *G 3125.5*	--Rear, 182° from front.	1° 48.9′ N 78° 48.6′ W	**Fl.(2)W.** period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	82 **25**	**15**	White tower, red bands; 79.	
232 *G 3122*	**-Cabo Manglares.**	1° 38.8′ N 79° 00.0′ W	**Fl.(3)W.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 15.5s	112 **34**	**17**	Red round tower, white band.	
			ECUADOR				
236 *G 3098*	**San Pedro.**	1° 24.1′ N 78° 53.2′ W	**Fl.W.** period 15s fl. 1.5s, ec. 13.5s	141 **43**	**20**	Orange tower; 135.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ECUADOR				
244 *G 3098.5*	Palo Seco.	1° 21.0′ N 78° 52.0′ W	**Mo.(U)W.** period 15s fl. 0.8s, ec. 0.1s fl. 0.8s, ec. 0.1s fl. 1.7s, ec. 11.5s	30 **9**	10	Metal structure, orange triangular daymark point up; 20.	
248 *G 3098.6*	B4.	1° 18.0′ N 78° 53.0′ W	**Mo.(U)W.** period 15s fl. 0.8s, ec. 0.1s fl. 0.8s, ec. 0.1s fl. 1.7s, ec. 11.5s	30 **9**	10	Metal structure, orange triangular daymark point up; 20.	
252 *G 3098.8*	B5.	1° 18.0′ N 78° 50.0′ W	**Fl.W.** period 10s fl. 1.5s, ec. 8.5s	30 **9**	10	Red metal structure; 20.	
254 *G 3097.4*	Puerto Limones.	1° 15.1′ N 79° 00.8′ W	**Fl.W.** period 4s fl. 1.5s, ec. 2.5s	30 **9**	9	White metal framework tower; 30.	
256 *G 3097*	Punta La Barca.	1° 14.0′ N 79° 02.6′ W	**L.Fl.W.** period 10s fl. 2s, ec. 8s	30 **9**	9	White metal structure; 30.	Visible 049°-230°.
260 *G 3096.4*	**Punta Verde.**	1° 04.9′ N 79° 23.7′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	167 **51**	**20**	Black and white concrete tower; 26.	
264 *G 3096*	**Punta Coquitos.**	0° 59.0′ N 79° 40.0′ W	**Fl.(3)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	653 **199**	**19**	White concrete tower, red diagonal stripes; 43.	
	PUERTO DE ESMERALDAS:						
268 *G 3096.1*	-Entrance Range, front, E1.	0° 57.4′ N 79° 37.9′ W	**Iso.W.** period 4s	108 **33**	11	Metal structure, orange daymark; 30.	Aero F.W. 0.7 mile NNE.
272 *G 3096.11*	--Rear, E2, 267 meters 168° from front.	0° 57.2′ N 79° 37.9′ W	**Iso.W.R.G.** period 4s	112 **34**	12	Concrete structure, orange daymark; 26.	R. 163°09′-167°39′, W.-168°21′, G.-172°51′.
276 *G 3096.32*	-N. breakwater, head, F1.	0° 59.7′ N 79° 38.8′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	30 **9**	9	Red concrete tower, white top; 20.	
280 *G 3096.3*	--S. side, E. end, F2.	0° 59.5′ N 79° 38.8′ W	**Fl.G.** period 6s	30 **9**	6	White concrete tower, red top; 20.	
284 *G 3096.25*	--Range, front, E3.	0° 59.3′ N 79° 39.6′ W	**Iso.W.** period 4s	266 **81**	11	White structure, orange daymark; 30.	
288 *G 3096.26*	---Rear, E4, about 930 meters 250° from front.	0° 59.1′ N 79° 40.0′ W	**Iso.W.R.G.** period 4s	423 **129**	12	White structure, orange daymark; 30.	R. 245°09′-249°39′, W.-250°21′, G.-254°51′.
292 *G 3096.34*	-S. harbor, E. side, N. end, F3.	0° 59.4′ N 79° 38.6′ W	**Fl.R.** period 5s fl. 1.5s, ec. 3.5s	43 **13**	10	White metal tower, red band; 30.	
295 *G 3096.36*	-No 3.	0° 59.8′ N 79° 38.0′ W	**Fl.G.** period 10s fl. 0.8s, ec. 9.2s	16 **5**	6	Green metal post; 10.	
298	Rio Atacames.	0° 52.7′ N 79° 50.3′ W	**Fl.G.** period 4s fl. 0.8s, ec. 3.2s	20 **6**	8	Green beacon.	
300 *G 3095*	**Punta Sua.**	0° 52.2′ N 79° 52.9′ W	**Fl.W.** period 15s fl. 1.5s, ec. 13.5s	243 **74**	**20**	White column; 26.	
304 *G 3094*	Punta Galera.	0° 49.5′ N 80° 03.1′ W	**Fl.W.** period 10s fl. 1.5s, ec. 8.5s	112 **34**	9	White truncated conical concrete tower, red stripes; 49.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ECUADOR				
308 *G 3093*	**Cabo de San Francisco.**	0° 38.9′ N 80° 05.2′ W	**Fl.(3)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	151 **46**	**20**	Black and white checkered metal tower; 23.	
312 *G 3091*	**Punta Pedernales.**	0° 02.9′ N 80° 05.3′ W	**Fl.W.** period 10s fl. 1.5s, ec. 8.5s	115 **35**	**20**	White concrete tower, black bands; 23.	
316 *G 3090.4*	**Punta Ballena.**	0° 10.4′ S 80° 19.5′ W	**Fl.(2+1)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 5s fl. 1s, ec. 5s	128 **39**	**20**	White concrete tower, black band; 26.	
320 *G 3090*	**Cabo Pasado.**	0° 22.0′ S 80° 29.3′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	279 **85**	**20**	White concrete tower, orange stripes; 20.	
	RIO CHONE:						
324 *G 3085*	**-Punta Bellaca.**	0° 36.7′ S 80° 27.1′ W	**Fl.(2)W.** period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	131 **40**	**20**	White concrete tower, orange top; 23.	
326 *G 3085.5*	-Bahia de Caraquez.	0° 35.7′ S 80° 25.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	30 **9**	10	Red and white concrete structure; 26.	
	ARCHIPIELAGO DE COLON (GALAPAGOS ISLANDS):						
328 *G 3101*	-Punta Lido.	0° 53.4′ S 89° 36.8′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	43 **13**	10	White concrete structure, red bands.	
329 *G 3101.5*	Playa Man.	0° 53.6′ S 89° 36.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	43 **13**	7	White concrete structure, red stripes; 23.	
331 *G 3102*	**Patricio Hill.**	0° 54.1′ S 89° 36.8′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	95 **29**	**20**	Red and white metal structure; 7.	
333 *G 3104*	**-Colorado Mountain.**	0° 54.9′ S 89° 25.9′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	653 **199**	**20**	White concrete structure, red bands; 39.	
334 *G 3103*	--Punta Malamoco.	0° 54.2′ S 89° 36.9′ W	**Fl.(2)W.R.G.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	39 **12**	12	Red and white checkered metal tower; 20.	R.160°09′-164°39′, W.-165°21′, G.-169°51′.
336 *G 3100*	--Rocas Dalrymple.	0° 51.3′ S 89° 37.6′ W	**Fl.(2)W.** period 7s	56 **17**	10	White concrete block; 3.	
337.5 *G 3119*	**-Isla Genovesa** Range, front.	0° 19.1′ N 89° 57.2′ W	**Iso.W.** period 2s	56 **17**	**16**	Orange metal structure; 20.	
338 *G 3119.1*	--Rear.	0° 19.0′ N 89° 57.2′ W	**Iso.W.** period 2s	72 **22**	12	Orange metal structure; 30.	
340 *G 3114*	-Isla Santa Maria, Puerto Velasco Ibarra.	1° 16.5′ S 90° 29.3′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	33 **10**	9	White and red concrete tower; 23.	
341 *G 3114.5*	-Post Office.	1° 13.9′ S 90° 26.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	36 **11**	10	Orange fiberglass tower; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ECUADOR				
344 *G 3109*	-Isla Baltra.	0° 26.5′ S 90° 15.7′ W	**Fl.(2)W.** period 10s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 7.2s	98 **30**	10	Black and white checkered concrete tower; 23.	
348 *G 3106*	-Isla Santa Cruz, Bahia Academy, Islote Caamano.	0° 45.6′ S 90° 16.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	39 **12**	10	White metal tower; 30.	
352 *G 3106.5*	-Punta Estrada.	0° 45.7′ S 90° 18.3′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	46 **14**	10	Red and yellow structure; 23.	
356 *G 3108*	--Aeolian.	0° 26.3′ S 90° 17.3′ W	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	43 **13**	10	Red and black fiberglass tower; 23.	
360 *G 3107*	**--Puerto Ayora.**	0° 44.8′ S 90° 18.7′ W	**Fl.(2)Y.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	75 **23**	**20**	Red metal structure, orange daymark; 66.	Difficult to identify. Fl.Y. on water tank in line 301°.
362 *G 3107.1*	---Water tank.	0° 44.5′ S 90° 19.3′ W	**Fl.Y.** period 10s fl. 1.5s, ec. 8.5s	161 **49**	8	Orange concrete structure; 79.	
364 *G 3113*	**-Isla Isabela, Puerto General Villamil.**	0° 57.4′ S 90° 58.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	75 **23**	**20**	Orange metal tower, white daymark; 66.	
368 *G 3112*	--Islet.	0° 58.0′ S 90° 57.9′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	33 **10**	14	White concrete tower; 23.	
369 *G 3111.5*	-Santiago.	0° 14.5′ S 90° 51.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	46 **14**	10	Yellow and black fiberglass structure; 23.	
369.2 *G 3111*	**-Isla Bartolome.**	0° 17.0′ S 90° 33.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	279 **85**	**20**	Orange fiberglass tower; 7.	
369.6 *G 3107.5*	-Plaza.	0° 35.1′ S 90° 09.8′ W	**Fl.W.** period 4s fl. 1s, ec. 3s	69 **21**	10	Orange fiberglass tower; 23.	
370.2 *G 3105*	**-Punta Suarez.**	1° 22.2′ S 89° 44.7′ W	**Fl.(2)W.** period 12s fl. 1s, ec. 1s fl. 1s, ec. 9s	36 **11**	**20**	Black fiberglass tower, red band; 7.	
372 *G 3116*	-Isla Wenman (Wolf Island).	1° 22.7′ N 91° 49.2′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	259 **79**	10	White concrete tower, red bands; 10.	
	BAHIA DE MANTA:						
376 *G 3076*	**-Punta Jaramijo.**	0° 55.7′ S 80° 39.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	115 **35**	**20**	White hexagonal concrete tower, black bands; 56.	
380 *G 3073*	-Breakwater, head.	0° 55.8′ N 80° 43.2′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	62 **19**	**20**	White square concrete tower, red bottom; 53.	
	-RACON		**M(– –)**		**25**		(3 & 10cm).
388 *G 3071*	-Punta Jome.	0° 57.5′ S 80° 49.7′ W	**Fl.(2)W.** period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	217 **66**	10	White round concrete tower, black diagonal stripes; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ECUADOR				
392 *G 3068*	**-Cabo San Lorenzo.**	1° 03.6′ S 80° 54.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	423 **129**	**20**	White truncated conical concrete tower, red stripes; 33.	
396 *G 3064*	**Isla La Plata,** NW. end (summit) of island.	1° 15.7′ S 81° 04.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	620 **189**	**20**	White metal framework tower; 92.	
404 *G 3060*	**Isla Salango.**	1° 35.6′ S 80° 52.0′ W	**Fl.W.** period 15s fl. 1.5s, ec. 13.5s	463 **141**	**20**	White concrete tower; 23.	
408 *G 3058*	Islote El Pelado.	1° 56.1′ S 80° 47.4′ W	**Fl.(2)W.** period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	89 **27**	9	White concrete structure, orange daymark; 26.	
412 *G 3050*	**Punta Santa Elena.**	2° 11.2′ S 80° 59.8′ W	**Fl.(5)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 11s	308 **94**	**20**	White concrete structure; 39.	Visible 281°-258°.
416 *G 3051*	-Chocolatera (La Puntilla).	2° 11.4′ S 81° 00.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	39 **12**	10	Black and white checkered concrete tower; 20.	
420 *G 3052*	-Bajo Ballena.	2° 11.8′ S 80° 57.5′ W	**Fl.(2)W.** period 8s fl. 0.4s, ec. 1s fl. 0.4s, ec. 6.2s	7 **2**	7	ISOLATED DANGER BRB, structure, topmark; 10.	
424 *G 3052.3*	**-Punta San Lorenzo, Petropolis.**	2° 12.1′ S 80° 57.3′ W	**Fl.(3)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	200 **61**	**20**	Orange fiberglass structure; 7.	
425.3 *G 3052.5*	-Duque de Alba.	2° 11.6′ S 80° 58.7′ W	**Fl.(2)W.** period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	16 **5**	5	White concrete structure; 13.	
425.6 *G 3053.4*	-Salinas Yacht Club, head.	2° 12.0′ S 80° 58.4′ W	**L.Fl.W.** period 10s fl. 2s, ec. 8s	23 **7**	4	White concrete structure; 10.	
426 *G 3053*	-Girasol.	2° 12.4′ S 80° 58.1′ W	**Fl.(3)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	128 **39**	12	Orange fiberglass structure; 7.	
	PUNTA SANTA ELENA:						
428 *G 3055*	**-Punta Centinela.**	2° 09.4′ S 80° 48.6′ W	**Fl.(2)W.** period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	256 **78**	**20**	Fiberglass structure; 7.	
429 *G 3053.8*	-Rompeolas.	2° 13.0′ S 80° 55.3′ W	**Fl.W.** period 4s fl. 1.5s, ec. 2.5s	33 **10**	8	White concrete structure, red bands; 23.	
430 *G 3054*	-Beacon No 1.	2° 13.1′ S 80° 55.3′ W	**Fl.G.** period 4s fl. 0.5s, ec. 3.5s	13 **4**	4	White concrete structure; 10.	
431 *G 3054.2*	-Beacon No 2.	2° 13.1′ S 80° 55.3′ W	**Fl.R.** period 4s fl. 0.4s, ec. 3.6s	13 **4**	4	White concrete structure; 10.	
432 *G 3053.9*	-Libertad.	2° 13.0′ S 80° 54.4′ W	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	36 **11**	10	Metal structure.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ECUADOR				
433 *G 3054.5*	-Ballenita.	2° 12.4′ S 80° 52.9′ W	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	26 **8**	9	White concrete tower, red bands.	
436 *G 3049.4*	**Punta Ancon, Anconcito.**	2° 19.8′ S 80° 53.7′ W	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	164 **50**	**20**	White concrete tower, black bands; 26.	
438 *G 3049.2*	**Real.**	2° 23.6′ S 80° 43.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	95 **29**	**20**	White concrete tower, orange bands; 39.	
442 *G 3048.8*	**Punta de Piedra.**	2° 33.6′ S 80° 30.6′ W	**Fl.(3)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	56 **17**	**20**	White and red concrete structure; 30.	
	GOLFO DE GUAYAQUIL:						
444 *G 3037*	**-Punta Chapoya.**	2° 38.4′ S 80° 26.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1.5s, ec. 4.5s	79 **24**	**20**	White metal tower; 46.	
450 *G 3040.8*	-DATA 1 Approach Range, front.	2° 43.3′ S 80° 18.1′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	52 **16**	14	White metal structure, orange daymark; 33.	
450.1 *G 3040.81*	-DATA 2, rear, 0.65 mile 079°15′ from front.	2° 43.2′ S 80° 17.5′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	115 **35**	14	White metal structure, orange daymark; 76.	Synchronized with front.
452 *G 3038*	-Cauchiche Range, front, A1.	2° 47.6′ S 80° 14.6′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	33 **10**	14	White concrete and metal structure, orange daymark; 36.	Visible 129°-133°.
456 *G 3038.1*	--Rear, A2, 1.1 miles, 131° from front.	2° 48.3′ S 80° 13.8′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	92 **28**	14	White metal structure, orange daymark; 49.	Visible 129°-133°. Synchronized with front.
460 *G 3040.6*	**-Farallones.**	2° 43.9′ S 80° 13.4′ W	**Fl.W.** period 4s fl. 0.4s, ec. 3.6s	66 **20**	**20**	White metal structure, orange daymark; 33.	
462 *G 3041*	-B Range, front, B1.	2° 38.2′ S 80° 13.7′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	33 **10**	14	White metal structure, orange daymark; 33.	
463 *G 3041.1*	--Rear, B2, 0.7 mile, 003°48′ from front.	2° 37.4′ S 80° 13.6′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	108 **33**	14	White metal structure, orange daymark; 85.	Synchronized with front.
464 *G 3042*	-Seiba Rock.	2° 38.3′ S 80° 13.2′ W	**Fl.W.** period 5s fl. 0.8s, ec. 4.2s	13 **4**	9	White metal structure, orange band; 10.	
468 *G 3043*	-C Range, front, C1.	2° 35.5′ S 80° 08.1′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	33 **10**	14	White concrete and metal structure, orange daymark; 33.	
472 *G 3043.1*	--Rear, C2, 0.7 mile, 067°30′ from front.	2° 35.2′ S 80° 07.4′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	75 **23**	14	White concrete and metal structure, orange daymark; 76.	Synchronized with front.
474 *G 3046*	-E Range, front, E1.	2° 24.6′ S 80° 01.2′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	23 **7**	14	White metal and concrete framework tower, orange daymark; 23.	
474.5 *G 3046.1*	--Rear, E2, 1.55 miles, 037° from front.	2° 23.4′ S 80° 00.2′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	79 **24**	14	White metal and concrete tower, orange daymark; 82.	Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ECUADOR				
475 *G 3047*	-F Range, front, F1.	2° 21.1′ S 80° 00.6′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	20 **6**	14	White metal and concrete structure, orange daymark; 23.	
475.5 *G 3047.1*	--Rear, F2, 0.8 mile, 017°11′ from front.	2° 20.3′ S 80° 00.4′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	62 **19**	14	White metal and concrete structure, orange daymark; 59.	Synchronized with front.
476.5 *G 3047.6*	-No 76.	2° 18.8′ S 79° 55.4′ W	**Fl.R.** period 4s fl. 1s, ec. 3s	20 **6**	9	White concrete and metal structure; 10.	
477 *G 3047.8*	-No 81.	2° 17.8′ S 79° 55.0′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	9	White metal tower; 13.	
477.3 *G 3047.9*	-81A.	2° 17.1′ S 79° 55.0′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	9	Green metal structure; 13.	
477.7 *G 3048.1*	-No 85.	2° 17.1′ S 79° 54.4′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	9	White metal and concrete structure; 13.	
477.9 *G 3048.2*	-IT.	2° 16.7′ S 79° 55.0′ W	**Fl.(2+1)G.** period 10s			White concrete and metal structure; 13.	
	RIO GUAYAS:						
480 *G 3035*	**-Punta de Piedra.**	2° 25.9′ S 79° 51.3′ W	**Fl.W.** period 4s fl. 1s, ec. 3s	33 **10**	**20**	White metal tower; 33.	
	GOLFO DE GUAYAQUIL:						
488 *G 3033*	**-Isla Verde,** E. side.	2° 38.8′ S 79° 56.2′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	36 **11**	**20**	White square metal and concrete tower; 30.	
492 *G 3032*	**-Punta Mandinga.**	2° 44.5′ S 79° 54.1′ W	**Fl.(2)W.** period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	171 **52**	**20**	White square metal tower; 49.	
496 *G 3031*	**-Punta Espanola,** E. side of Isla de Puna.	2° 47.5′ S 79° 55.9′ W	**Fl.(2)W.** period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	69 **21**	**20**	White metal framework tower; 49.	
500 *G 3026*	**-Punta Arenas,** SE. end of Isla de Puna.	3° 01.3′ S 80° 07.4′ W	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	59 **18**	**20**	White metal and concrete tower; 59.	
508 *G 2996*	**Isla de Santa Clara.**	3° 10.4′ S 80° 26.3′ W	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	266 **81**	**20**	White concrete structure; 20.	
512 *G 3028*	**-Punta Jambeli, Rio Santa Rosa,** W. side of entrance.	3° 12.6′ S 80° 01.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	59 **18**	**20**	White conical concrete tower, red spiral bands; 53.	
517 *G 3028.6*	--Bajo Salinas	3° 14.4′ S 80° 00.1′ W	**Iso.W.** period 4s	43 **13**	13	White metal and concrete structure, orange daymark; 30.	
520 *G 3029*	-Puerto Bolivar.	3° 16.1′ S 80° 00.2′ W	**Dir.Iso.W.R.G.** period 10s	125 **38**	12	Church tower; 105.	G. 165°09′-169°39′, W.-170°21′, R.-174°51′.
521 *G 3029.4*	-Mogote Sur.	3° 17.3′ S 80° 01.0′ W	**Fl.(3)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	13 **4**	8	White concrete pile, orange daymark; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ECUADOR				
522 *G 2998*	**-Isla San Gregorio, Payana.**	3° 22.8′ S 80° 18.2′ W	**Fl.(2)W.** period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	36 **11**	**20**	White framework tower; 30.	
			PERU				
528 *G 2200*	Punta Capones.	3° 24.7′ S 80° 18.6′ W	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	66 **20**	9	Red round fiberglass tower, white bands, truncated concrete base; 49.	
536 *G 2180*	**Contralmirante Villar.**	3° 40.9′ S 80° 41.1′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	210 **64**	**19**	White four-sided concrete tower, black bands, pyramidal concrete base; 62.	
540 *G 2158*	**Mancora.**	4° 06.5′ S 81° 03.4′ W	**Fl.(2+1)W.** period 20s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 6s fl. 0.5s, ec. 10s	187 **57**	**18**	Red four-sided tower, pyramidal concrete base, white bands; 46.	
541 *G 2159*	-Mole, head.	4° 06.6′ S 81° 04.0′ W	**Fl.R.**		4		
543	Las Animas.	4° 13.5′ S 81° 12.2′ W	**F.R.**				
544 *G 2153*	**Cabo Blanco.**	4° 15.1′ S 81° 14.3′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 3s fl. 0.5s, ec. 6s	128 **39**	**16**	Black four-sided tower, white bands, pyramidal concrete base; 46.	
	TALARA:						
568 *G 2140*	**-Punta Talara.**	4° 34.5′ S 81° 17.1′ W	**Fl.(2)W.** period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	201 **61**	**19**	White round fiberglass tower, truncated concrete base, black bands; 26.	2 F.R. on radio masts 1.4 miles S. **AIS** (MMSI No 997601008).
570 *G 2140.5*	-Dolphin.	4° 34.4′ S 81° 16.9′ W	**F.R.**		3		
572 *G 2141*	-Range, front.	4° 34.5′ S 81° 16.6′ W	**F.G.**	69 **21**	2	Green tubular tripod, gray top, gray daymark, red cross.	
576 *G 2141.1*	--Rear, 540 meters 143° from front.	4° 34.7′ S 81° 16.5′ W	**F.G.**	95 **29**	2	Green tubular tripod, gray top, aluminum diamond daymark, red band.	
577 *G 2139*	-Range, front.	4° 35.6′ S 81° 17.3′ W	**F.G.**	82 **25**	2	Metal post, blue diamond daymark, red band.	
578 *G 2139.1*	--Rear, 718 meters 115°40′ from front.	4° 35.7′ S 81° 16.9′ W	**F.G.**	164 **50**	2	Metal post, blue diamond daymark, red band.	
580 *G 2138*	**Punta Parinas.**	4° 40.2′ S 81° 19.6′ W	**L.Fl.W.** period 10s fl. 2s, ec. 8s	240 **73**	**15**	White truncated conical concrete tower, red band; 59.	**AIS** (MMSI No 997606008).
	PAITA:						
581 *G 2132.7*	-Tierra Colorada, Corma.	5° 04.6′ S 81° 09.0′ W	**F.R.**				
582 *G 2132.75*	-Sipesa.	5° 04.7′ S 81° 08.8′ W	**F.R.G.**		3		
583 *G 2132.76*	-Santa Monica.	5° 04.6′ S 81° 08.7′ W	**F.R.**				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PERU				
584 *G 2132.8*	**-Paita.**	5° 04.4′ S 81° 07.6′ W	**Fl.(2)W.** period 20s fl. 0.5s, ec. 3.5s fl. 0.5s, ec. 15.5s	236 **72**	**18**	Black four-sided tower, orange band, pyramidal base; 60.	
	-RACON		**M(– –)** period 35s fl. 15s, ec. 20s	331 **101**			(3 & 10cm).
585 *G 2132.78*	-Floating dock.	5° 04.3′ S 81° 08.5′ W	**Fl.W.**		5		
588 *G 2133.2*	-Production Marina mole, head.	5° 04.3′ S 81° 07.5′ W	**F.R.**	39 **12**	1	Post; 20.	
592 *G 2133.3*	-Fishing complex pier, head.	5° 04.4′ S 81° 07.3′ W	**F.R.**		1	Post.	
595 *G 2133.35*	Port Authority pier, head.	5° 04.9′ S 81° 06.6′ W	**Fl.R.**		4		
596 *G 2133.4*	-Range, front, Port Authority pier.	5° 05.0′ S 81° 06.4′ W	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	39 **12**	3	Metal tower; 13.	
600 *G 2133.41*	--Rear, 240 meters 150° from front.	5° 05.1′ S 81° 06.4′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	4	Tower; 13.	
602 *G 2133.7*	-Range, front.	5° 04.4′ S 81° 07.3′ W	**F.G.**	69 **21**	2	Tower.	
602.5 *G 2133.71*	--Rear, 62 meters 226° from front.	5° 04.4′ S 81° 07.3′ W	**F.G.**	118 **36**	2	Tower.	
604 *G 2132*	**Isla Foca.**	5° 12.6′ S 81° 12.3′ W	**Fl.(2)W.** period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 13s	197 **60**	**15**	White truncated metal tower, black bands; 15.	
608 *G 2127*	**-Bayovar.**	5° 47.9′ S 81° 04.0′ W	**Fl.(2)W.** period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	604 **184**	**19**	White four-sided tower, black bands, pyramidal concrete base; 59.	2 F.R. (vert.) on radio mast 400 meters S.
	-RACON		**B(– • • •)** period 60s fl. 15s, ec. 45s	607 **185**			(3 & 10cm).
616 *G 2127.4*	-Range, front.	5° 48.0′ S 81° 03.2′ W	**Fl.G.**	128 **39**	4	Orange metal tower; 66.	
620 *G 2127.41*	--Rear, about 100 meters 235° from front.	5° 48.1′ S 81° 03.3′ W	**Fl.G.**	157 **48**	4	Orange metal tower; 20.	
	PUERTO CHICAMA:						
622 *G 2127.7*	-Range, front.	5° 48.0′ S 81° 03.2′ W	**Fl.G.**				
623 *G 2127.9*	--Rear, about 105 meters 235° from front.	5° 48.1′ S 81° 03.3′ W	**Fl.G.**				
628 *G 2125*	Punta La Negra.	6° 03.9′ S 81° 06.3′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	123 **38**	10	White round fiberglass tower, black bands, truncated concrete base; 39.	
632 *G 2124*	Isla Lobos de Tierra.	6° 27.7′ S 80° 51.3′ W	**Fl.(4)W.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	210 **64**	9	Red metal framework tower, white band; 59.	
636 *G 2112*	**Islas Lobos De Afuera.**	6° 55.8′ S 80° 42.4′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	282 **86**	**27**	White four-sided tower, black bands, pyramidal concrete base; 59.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PERU				
640 *G 2119*	San Jose.	6° 46.2′ S 79° 58.2′ W	**Fl.(2)W.** period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	46 **14**	10	Red triangular metal tower, white band; 43.	
649 *G 2121*	Santa Rosa.	6° 53.6′ S 79° 54.8′ W	**Fl.(3)W.** period 15s fl. 0.8s, ec. 0.7s fl. 0.8s, ec. 0.7s fl. 0.8s, ec. 12.2s	62 **19**	5	Red triangular metal tower, square conical base; 44.	
656 *G 2117*	**Eten.**	6° 57.4′ S 79° 51.2′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	52 **16**	**16**	White triangular metal framework tower, black bands; 59.	
664 *G 2106*	**Punta Pacasmayo.**	7° 25.0′ S 79° 35.3′ W	**Fl.(3)W.** period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 9.5s	79 **24**	**15**	Black and white four-sided concrete tower; 36.	
676 *G 2096*	Isla de Macabi.	7° 47.5′ S 79° 30.0′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	151 **46**	10	Yellow round fiberglass pillar; 23.	
	SALAVERRY:						
680 *G 2089*	**-Morro Carretas.**	8° 13.6′ S 78° 58.7′ W	**Fl.(3)W.** period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	413 **126**	**21**	Orange four-sided tower, pyramidal concrete base, black bands; 56.	**Aero Radiobeacon** 11.2 miles NW. **AIS** (MMSI No 997601009).
	-RACON		**T(−)** period 35s fl. 15s, ec. 20s	476 **145**	10		(3 & 10cm).
681 *G 2091.3*	-Artesanal mole, head.	8° 13.4′ S 78° 58.9′ W	**Fl.R.**		3		
682 *G 2090.2*	-Range, front.	8° 13.5′ S 78° 58.8′ W	**F.G.**	52 **16**	5	Tower, red rectangular daymark; 39.	
682.5 *G 2090.21*	--Rear, 181 meters 102.3° from front.	8° 13.5′ S 78° 58.7′ W	**F.G.**	67 **20**	5	Tower, red rectangular daymark; 52.	
684 *G 2090*	-W. breakwater, head.	8° 13.5′ S 78° 59.5′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	49 **15**	3	Red post; 13.	**AIS** (MMSI No 997606009).
687 *G 2091*	--Pier No 1, head.	8° 13.6′ S 78° 59.1′ W	**Q.R.**	32 **10**	2	Gray post; 13.	
688 *G 2092*	--Pier No 2, head.	8° 13.6′ S 78° 59.0′ W	**F.R.**	32 **10**	2	Gray post; 13.	
692 *G 2088*	Islas de Guanape, summit of S. island.	8° 33.9′ S 78° 58.1′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	456 **139**	10	Black round metal tower, white band, round concrete base; 28.	
	BAHIA DE CHIMBOTE:						
696 *G 2086*	-Punta Chimbote.	9° 04.8′ S 78° 37.4′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s		4	Green metal structure; 13.	
698 *G 2086.4*	-Mineral dock No 3.	9° 04.7′ S 78° 36.7′ W	**Fl.(2)R.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 **6**	2	Red round metal post; 11.	
700 *G 2085*	--Islote Roca Blanca.	9° 05.0′ S 78° 37.4′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	85 **26**	4	Red metal framework tower; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PERU				
701 *G 2086.5*	--Pier No 3, head.	9° 04.8′ S 78° 36.7′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	13 **4**	2	Round metal post; 11.	
702 *G 2086.2*	--Pier No 1, head.	9° 04.8′ S 78° 37.0′ W	**Fl.(2)R.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 **8**	2	Red round metal post; 20.	
703 *G 2086.3*	--Pier No 2, head.	9° 04.6′ S 78° 36.8′ W	**Fl.(2)R.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 **6**	2	Black round metal post; 13.	
705 *G 2087.95*	-Jetty.	9° 07.5′ S 78° 34.0′ W	**Fl.R.** period 3s		4		
708 *G 2084.4*	N. Ferrol Island.	9° 08.4′ S 78° 37.2′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	299 **91**	10	Red round fiberglass tower, white band, truncated concrete base; 23.	
	RACON		**Z(– – • •)** period 60s fl. 15s, ec. 45s	82 **25**			(3 & 10cm).
710 *G 2082*	Punta Filomena.	9° 16.4′ S 78° 31.3′ W	**Fl.W.** period 8s fl. 0.5s, ec. 7.5s	627 **191**	9	White round fiberglass tower, truncated concrete base, black bands; 33.	
712 *G 2080*	Casma Bay.	9° 28.0′ S 78° 23.5′ W	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	794 **242**	9	Yellow four-sided fiberglass tower, pyramidal concrete base; 39.	
716 *G 2076*	**Punta Cabeza Lagarto.**	10° 06.4′ S 78° 11.0′ W	**Fl.(2)W.** period 30s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 24.5s	243 **74**	**16**	Red four-sided concrete tower, white bands; 21.	
724 *G 2075*	Bahia Supe, mole, head.	10° 47.9′ S 77° 44.9′ W	**F.R.**	38 **12**	3	Tower; 20.	
728 *G 2074*	**Punta Thomas.**	10° 48.3′ S 77° 45.2′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	200 **61**	**17**	Black round tower, concrete base, yellow band; 59.	F.R. on radio mast 1.43 miles N.
732 *G 2071*	**Punta Huacho.**	11° 07.5′ S 77° 37.1′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	266 **81**	**19**	White round concrete tower; 33.	
736 *G 2069*	Bahia Salinas.	11° 13.1′ S 77° 38.2′ W	**Fl.W.** period 4s fl. 1s, ec. 3s	269 **82**	9	White round fiberglass tower, orange bands, square concrete base; 52.	**Aero Radiobeacon** 5.3 miles SSE.
740 *G 2068*	**Isla Mazorca.**	11° 23.0′ S 77° 44.7′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	417 **127**	**15**	White round metal tower, black band, round concrete base; 25.	**Radiobeacon.**
744 *G 2067*	Isla Pelado.	11° 26.5′ S 77° 50.6′ W	**Fl.(4)W.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	203 **62**	9	Gray round tower; 8.	
752 *G 2065*	Punta Chancay.	11° 35.2′ S 77° 16.9′ W	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	220 **67**	9	Yellow round concrete tower; 37.	**AIS** (MMSI No 997601005).
754 *G 2063.6*	**Ancon.**	11° 46.4′ S 77° 11.6′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	564 **172**	**17**	Orange round concrete tower, black bands; 59.	
756 *G 2063*	Isla Grande, Grupo de Pescadores.	11° 46.5′ S 77° 15.9′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	135 **41**	9	White four-sided concrete tower, red base; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PERU				
764 *G 2063.4*	Isla Huaquillo.	11° 46.7′ S 77° 11.8′ W	**Fl.(4)W.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	125 **38**	9	White round pyramidal tower, blue diagonal stripes; 16.	
768 *G 2062*	Hormigas de Afuera.	11° 57.3′ S 77° 44.0′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	105 **32**	10	Black round pyramidal tower, white band, concrete base; 49.	**AIS** (MMSI No 997606004).
770 *G 2061*	Pier, head.	12° 00.0′ S 77° 08.2′ W	**F.R.**				
	CALLAO:						
774	*-Sea buoy.*	12° 02.2′ S 77° 13.6′ W	**Fl.(4)W.** period 10s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 3.2s	26 **8**	9	White round metal buoy, red stripes.	**AIS** (MMSI No 997606001).
	-RACON		**X(– • • –)** period 30s fl. 18s, ec. 12s	26 **8**	10		(3 & 10cm).
780 *G 2053*	-N. breakwater, head.	12° 02.8′ S 77° 09.3′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	26 **8**	4	Red metal tower; 7.	**AIS** (MMSI No 997606006).
784 *G 2053.4*	-S. breakwater, head.	12° 03.0′ S 77° 09.3′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	26 **8**	4	Red metal tower; 7.	**AIS** (MMSI No 997606007).
786 *G 2054*	-Range, front.	12° 03.0′ S 77° 08.6′ W	**Q.G.**		5	Building, red rectangular daymark; 108.	Visible 096°-102°.
786.5 *G 2054.1*	--Rear, 245 meters 099° from front.	12° 03.0′ S 77° 08.5′ W	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s		5	Building, red rectangular daymark; 131.	Visible 096°-102°.
788 *G 2052*	-AVIATION LIGHT.	12° 01.4′ S 77° 06.5′ W	**Al.W.G.** period 12s	289 **88**	**24**	Control tower.	
792 *G 2059*	**-La Punta.**	12° 04.3′ S 77° 10.0′ W	**Fl.(2+1)W.** period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 6s fl. 0.5s, ec. 9.5s	135 **41**	**19**	Gray round structure.	
796 *G 2058*	-Clock tower, Muelle de Guerra.	12° 03.5′ S 77° 08.9′ W	**Fl.(2)G.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	49 **15**	4	White round metal tower, blue bands; 39.	
805.2 *G 2055*	-Petroleum wharf.	12° 02.7′ S 77° 09.1′ W	**F.R.**	20 **6**	3	Black and red tower; 10.	
805.4 *G 2056.3*	-Pier 4, head.	12° 02.8′ S 77° 08.7′ W	**F.R.**		3		
805.5 *G 2055.94*	-Pier 3, head.	12° 02.9′ S 77° 08.9′ W	**F.R.**		3		
805.6 *G 2056.5*	-Pier 2, head.	12° 03.0′ S 77° 08.8′ W	**F.R.**		3		
805.7 *G 2056.6*	-Pier 1, head.	12° 03.1′ S 77° 08.8′ W	**F.R.**		3		
806 *G 2055.7*	-Muelle Marginal.	12° 02.4′ S 77° 08.8′ W	**Fl.R.** period 10s	39 **12**	8	Metal triangular tower.	
809 *G 2055.4*	-Pier, SE. corner.	12° 02.5′ S 77° 08.9′ W	**Fl.R.** period 4s	13 **4**	3		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PERU				
809.5 *G 2055.41*	--NE. corner.	12° 02.4′ S 77° 08.9′ W	**Fl.R.** period 4s	13 **4**	3		
812 *G 2049*	**-Gran Alminante Grau.**	12° 03.8′ S 77° 14.7′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	1014 **309**	**20**	Yellow round pyramidal tower, black bands, square base; 51.	**AIS** (MMSI No 997601002).
816 *G 2050*	-San Lorenzo Naval Base, pier, head.	12° 05.0′ S 77° 12.5′ W	**F.R.**	42 **13**	5	White metal tower; 30.	
836 *G 2046*	**La Marina.**	12° 07.4′ S 77° 02.4′ W	**Fl.(2+1)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6s fl. 0.5s, ec. 6s	354 **108**	**18**	White round pyramidal metal tower, blue bands; 72.	**AIS** (MMSI No 997606003).
837 *G 2048*	Isla Palominos.	12° 07.8′ S 77° 14.0′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	174 **53**	9	Orange round concrete tower, black band; 39.	**AIS** (MMSI No 997606005).
840 *G 2045*	**-Las Palmas** AVIATION LIGHT.	12° 09.7′ S 77° 00.1′ W	**Fl.W.G.** period 2s	203 **62**	**15**		F.R. 6.5 miles NW.
844 *G 2043*	**Isla Chilca.**	12° 28.5′ S 76° 47.9′ W	**Fl.(2)W.** period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	361 **110**	**19**	Blue round fiberglass tower, white bands, truncated concrete base; 33.	
845 *G 2042*	Isla Asia.	12° 47.7′ S 76° 37.4′ W	**Fl.W.** period 8s fl. 1s, ec. 7s	427 **130**	9	White round fiberglass tower, brown truncated concrete base; 20.	
846 *G 2041*	Cerro Azul.	13° 01.8′ S 76° 29.4′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	420 **128**	9	White round fiberglass tower, black bands, truncated concrete base; 36.	
	PISCO:						
856 *G 2033.5*	**-Isla Chincha.**	13° 38.5′ S 76° 24.1′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	305 **93**	**17**	Orange round fiberglass tower, black bands, square pyramidal concrete base; 39.	
860 *G 2040.55*	-AVIATION LIGHT.	13° 44.4′ S 76° 12.8′ W	**Al.W.G.**	66 **20**	5	Red and white tower; 46.	4 F.R. lights nearby.
864 *G 2034*	-Isla Blanca.	13° 44.2′ S 76° 18.8′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	66 **20**	5	Metal framework tower, blue and white square concrete base; 30.	
	-RACON		**D(– • •)** period 35s fl. 15s, ec. 20s				(3 & 10cm).
868 *G 2033.8*	-Punta Colorada.	13° 47.5′ S 76° 19.1′ W	**Fl.R.** period 10s fl. 1s, ec. 9s	118 **36**	9	Gray tower.	
872 *G 2035.6*	-Puerto San Martin, Pta. Pejerrey, North Beacon.	13° 47.8′ S 76° 17.3′ W	**Q.W.**	13 **4**	4	Black tower.	
876 *G 2039*	--S. beacon.	13° 49.0′ S 76° 17.3′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	13 **4**	5	Black tower.	
880 *G 2038*	--Muelle Marginal.	13° 48.0′ S 76° 17.4′ W	**F.R.**	20 **6**	4	Black post; 10.	
884 *G 2038.2*	---S. end.	13° 48.4′ S 76° 17.5′ W	**F.R.**	20 **6**	4	Black post; 10.	
885 *G 2036*	--Puerto San Martin Range, front.	13° 48.1′ S 76° 17.6′ W	**Fl.G.** period 1.3s fl. 0.5s, ec. 0.8s		5	Tower, red rectangular daymark; 75.	
886 *G 2036.1*	---Rear, 170 meters 243° from front.	13° 48.2′ S 76° 17.7′ W	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s		5	Tower, red rectangular daymark; 95.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PERU				
888 *G 2033*	Isla San Gallan.	13° 50.7′ S 76° 27.9′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	1263 **385**	10	Orange round fiberglass tower, white stripes, truncated concrete base; 16.	
892 *G 2032*	Cerro Carretas.	14° 11.4′ S 76° 16.2′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	676 **206**	10	White round fiberglass tower, black bands, truncated concrete base; 16.	
896 *G 2030*	**Infiernillos.**	14° 40.1′ S 75° 53.6′ W	**Fl.W.** period 7s fl. 0.5s, ec. 6.5s	131 **40**	**15**	White four-sided concrete tower, black stripes; 27.	S. of rocks on mainland.
900 *G 2029.4*	**San Nicolas.**	15° 15.4′ S 75° 15.4′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	152 **46**	**26**	White round pyramidal concrete tower, black bands; 59.	
	RACON		**C(– • – •)** period 60s fl. 15s, ec. 45s	153 **46**			(3 & 10cm).
904 *G 2029.5*	-Breakwater, head.	15° 14.9′ S 75° 14.7′ W	**F.R.**	29 **9**	3	Round tower, 10.	
908 *G 2029.8*	-Pier, head.	15° 15.1′ S 75° 14.5′ W	**F.G.**	25 **8**	3	Tower; 26.	
912 *G 2029.7*	-Dolphin.	15° 15.1′ S 75° 14.5′ W	**F.R.**	20 **6**	2	Post; 7.	9 F.R. lights nearby.
914 *G 2029.9*	-Bentonita Plant.	15° 15.6′ S 75° 14.5′ W	**F.G.**		3		
	SAN JUAN:						
915 *G 2028.5*	-Muelle Acari, head.	15° 20.8′ S 75° 09.5′ W	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	59 **18**	2	White triangular metal tower, red bands; 23.	
916 *G 2028*	**-Punta San Juan.**	15° 21.7′ S 75° 10.8′ W	**Fl.(2)W.** period 15s fl. 0.5s, ec. 4s fl. 0.5s, ec. 10s	312 **95**	**17**	White concrete tower; 40.	
920 *G 2025*	Punta Lomas.	15° 34.1′ S 74° 51.1′ W	**Fl.W.** period 7s fl. 1s, ec. 6s	89 **27**	10	Black round fiberglass tower, red bands, truncated concrete base; 28.	
924 *G 2022*	Chala.	15° 52.5′ S 74° 14.2′ W	**Fl.(3)W.** period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 0.5s, ec. 12.5s	489 **149**	9	Black square concrete tower, white band; 23.	
	MATARANI:						
932 *G 2018*	**-Punta Atico.**	16° 14.3′ S 73° 42.1′ W	**Fl.W.** period 15s fl. 0.5s, ec. 14.5s	331 **101**	**17**	White round pyramidal concrete tower, red bands; 59.	
936 *G 2016*	**-Caleta Planchada.**	16° 24.5′ S 73° 13.6′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	315 **96**	**16**	White round pyramidal concrete tower, black bands; 33.	
944 *G 2014*	**-Quilca.**	16° 42.7′ S 72° 26.2′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	315 **96**	**15**	White four-sided concrete tower, black pyramidal concrete base; 20.	
948 *G 2011*	-Islote Pan de Azucar.	16° 59.5′ S 72° 06.6′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	7	Gray concrete hut; 8.	
951 *G 2013*	-Range, front.	16° 59.7′ S 72° 06.2′ W	**Fl.G.** period 1.3s fl. 0.5s, ec. 0.8s		5	Tower; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			PERU				
955 *G 2013.1*	--Rear, about 60 meters 103° from front.	16° 59.7′ S 72° 06.2′ W	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s		5	Tower; 39.	
	QUILCA:						
968 *G 2011.4*	-W. breakwater, head.	16° 59.7′ S 72° 06.5′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	4	Red tower; 19.	
972 *G 2011.6*	-E. breakwater, head.	16° 59.7′ S 72° 06.4′ W	**Q.G.**	33 **10**	4	Red tower; 19.	
976 *G 2010*	**Punta Islay.**	17° 00.9′ S 72° 06.7′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	213 **65**	**19**	Red round fiberglass tower, black square concrete base; 43.	
	RACON		**G(– – •)** period 60s fl. 15s, ec. 45s	215 **66**			(3 & 10cm).
	ILO:						
978 *G 2006*	-Rampa Enapu Range, front.	17° 38.7′ S 71° 20.8′ W	**Fl.G.** period 1.3s fl. 0.5s, ec. 0.8s	49 **15**	5	Metal tower, red rectangular daymark.	
979 *G 2006.1*	--Rear, 66 meters 076° from front.	17° 38.7′ S 71° 20.8′ W	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	56 **17**	5	Metal tower, red rectangular daymark.	
980 *G 2003.4*	-N. breakwater, head.	17° 38.7′ S 71° 21.1′ W	**F.R.**	26 **8**	3	Post; 11.	
984 *G 2004*	-Range, front, mole, head.	17° 38.9′ S 71° 21.2′ W	**2 F.R.** (horiz.)	108 **33**	3	White tower; 7.	
988 *G 2004.1*	--Rear, 900 meters 109° from front.	17° 39.1′ S 71° 20.7′ W	**Iso.G.** period 2s	115 **35**	3	Post; 10.	
992 *G 2002*	**Punta Coles.**	17° 42.4′ S 71° 22.9′ W	**Fl.(2)W.** period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 11.5s	118 **36**	**19**	Black round pyramidal concrete tower, white bands; 49.	
996 *G 2001*	Punta Sama.	17° 59.9′ S 70° 52.6′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	122 **37**	10	Black round fiberglass tower, white bands, truncated concrete base; 39.	
998 *G 2000.4*	**Boca del Rio.**	18° 09.7′ S 70° 40.1′ W	**Fl.W.** period 15s fl. 0.7s, ec. 14.3s	167 **51**	**19**	White four-sided concrete tower, red band, square pyramidal concrete base; 44.	
1000 *G 2000*	Los Palos.	18° 17.1′ S 70° 25.6′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	100 **30**	10	Black round fiberglass tower, white band, white truncated concrete base; 30.	
1004 *G 1996*	La Concordia.	18° 21.0′ S 70° 22.6′ W	**Fl.(2)G.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	82 **25**	8	Blue concrete tower, white bands; 69.	Visible 086°30′-093°30′.

Section 2

Chile

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
	ARICA:						
1008 *G 1987*	-Concordia.	18° 21.0′ S 70° 21.6′ W	**Fl.G.** period 5s fl. 0.3s, ec. 4.7s	138 **42**	14	Red truncated pyramidal iron tower, white bands, square base; 64.	Visible 350°-240°. 4 F.R. obstruction lights on top of tower. **AIS** (MMSI No 997251002). **Radar reflector.** **Aero Radiobeacon** 2.2 miles ESE.
1010 *G 1986.4*	-Breakwater.	18° 28.8′ S 70° 19.8′ W	**Fl.(3)R.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 **7**	4	STARBOARD (B) R, tower, topmark; 10.	Visible 097°-179°.
1012 *G 1984*	**-Isla Alacran.**	18° 28.8′ S 70° 20.0′ W	**Fl.W.** period 15s fl. 0.5s, ec. 14.5s	75 **23**	**19**	White fiberglass tower, red band; 26.	F.R. lights on radio masts 1.1 miles NE., 2.1 miles ENE., 0.9 mile E. and 0.9 mile SE. **AIS** (MMSI No 997251005).
1016 *G 1985*	-N. breakwater, head.	18° 28.2′ S 70° 19.4′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	7	Green round fiberglass tower; 13.	**AIS** (MMSI No 997251004).
1020 *G 1986*	-Breakwater, head.	18° 28.1′ S 70° 19.7′ W	**Fl.R.** period 5s fl. 0.3s, ec. 4.7s	66 **20**	14	Red round concrete tower; 39.	**AIS** (MMSI No 997251003).
1028 *G 1978*	Punta Pichalo.	19° 36.1′ S 70° 14.1′ W	**Fl.W.** period 12s fl. 0.3s, ec. 11.7s	180 **55**	13	White fiberglass tower, red band; 13.	Visible 309°-221°.
	IQUIQUE:						
1036 *G 1968*	-Molo de Abrigo, head.	20° 12.0′ S 70° 09.4′ W	**Fl.R.** period 10s fl. 0.3s, ec. 9.7s	62 **19**	14	STARBOARD (B) R, tower, topmark; 43.	
1040 *G 1969*	-Espigon de Atraque, NE. corner.	20° 12.2′ S 70° 09.3′ W	**F.R.**	34 **10**	1	White post, white triangular topmark point up, red border; 18.	Private light.
1042 *G 1969.2*	--NW. corner.	20° 12.2′ S 70° 09.4′ W	**F.G.**	30 **9**	1	White iron post, white triangular topmark point up, red border; 13.	Private light.
1048 *G 1972*	-Patilliguaje Rock.	20° 12.4′ S 70° 09.3′ W	**Fl.(2+1)G.** period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	16 **5**	5	Green fiberglass tower, red band; 10.	
1050 *G 1974.3*	**-Serrano Peninsula.**	20° 12.5′ S 70° 09.6′ W	**Fl.W.** period 12s fl. 0.3s, ec. 11.7s	128 **39**	**19**	White cylindrical metal tower, red bands; 72.	
1060 *G 1974*	-Range, front, passenger mole, head.	20° 12.6′ S 70° 09.3′ W	**F.R.**			Wooden pile, red and white bands, white triangular topmark point up; 18.	Private light.
1064 *G 1974.1*	--Rear, 43 meters 197° from front.	20° 12.7′ S 70° 09.3′ W	**F.R.**			Post, red and white bands, white triangular topmark point down; 12.	Private light.
1072 *G 1964*	-Punta Gruesa.	20° 21.8′ S 70° 10.9′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	89 **27**	14	White pyramidal concrete tower, blue base; 33.	Visible 004°-205°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1076 *G 1963*	-Punta Patillos.	20° 45.0′ S 70° 11.8′ W	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	135 **41**	13	White fiberglass tower, red band; 13.	Visible 348°-063° and 073°-186°.
1077 *G 1963.2*	-Patillos Terminal Range, front, No 1.	20° 44.9′ S 70° 11.4′ W	**F.Bu.**	82 **25**	3	Orange diamond daymark.	
1077.1 *G 1963.21*	--Rear, 176 meters 138° from front.	20° 44.9′ S 70° 11.3′ W	**F.Bu.**	118 **36**	3	Orange diamond daymark.	
1077.2 *G 1963.3*	-Range, front.	20° 44.9′ S 70° 11.7′ W	**F.Bu.**	39 **12**	3	Orange diamond daymark.	Private light.
1077.3 *G 1963.31*	--Rear, 126 meters 202° from front.	20° 45.0′ S 70° 11.7′ W	**F.Bu.**	62 **19**	3	Orange diamond daymark.	Private light.
1077.4 *G 1963.4*	-Patillos Terminal Range, front, No 2.	20° 45.0′ S 70° 11.8′ W	**F.Bu.**	92 **28**	3	Orange rectangular daymark.	Private light.
1077.5 *G 1963.41*	--Rear, 198 meters 152° from front.	20° 45.1′ S 70° 11.7′ W	**F.Bu.**	131 **40**	3	Orange rectangular daymark.	Private light.
1077.6 *G 1963.5*	-Range, front.	20° 44.8′ S 70° 11.3′ W	**F.Bu.**	82 **25**	3	Orange rectangular daymark.	Private light.
1077.7 *G 1963.51*	--Rear, 238 meters 094° from front.	20° 44.8′ S 70° 11.2′ W	**F.Bu.**	105 **32**	3	Orange rectangular daymark.	Private light.
1078 *G 1961*	-Punta Chomache.	21° 07.7′ S 70° 07.9′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	49 **15**	5	White fiberglass tower, red band; 11.	Visible 330°-208°.
1080 *G 1960*	Punta Falsa Chipana.	21° 20.3′ S 70° 05.9′ W	**Fl.W.** period 15s fl. 0.7s, ec. 14.3s	20 **6**	8	White fiberglass tower, red band; 8.	Visible 347°-246°.
1084 *G 1958*	-Muelle S.I.T., head.	22° 05.6′ S 70° 12.4′ W	**2 F.W.**	39 **12**	3	Iron post; 22.	One on each side of head. Private light.
1096 *G 1956*	Punta Algodonales.	22° 05.7′ S 70° 13.1′ W	**Fl.W.** period 12s fl. 1s, ec. 11s	79 **24**	14	White fiberglass tower, red band; 26.	Visible 048°-041°.
	MEJILLONES:						
1097 *G 1952.1*	-Vopack Oxiquim Terminal Range No 1, front.	23° 06.0′ S 70° 28.6′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	67 **21**	6	Metal post, red rectangular daymark, white stripe; 43.	Visible 067°-064°. Private light.
1097.1 *G 1952.2*	--Rear No 2, 411 meters 245° from front.	23° 06.1′ S 70° 28.8′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	93 **28**	6	Metal post, red rectangular daymark, white stripe; 23.	Visible 074°-062°.
1097.2 *G 1952.21*	-OXM1-A.	23° 06.0′ S 70° 28.6′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	67 **21**	6	Metal post, green rectangular daymark, white stripe; 43.	Visible 073°-070°.
1098 *G 1953*	-Puerto Mejillones del Sur.	23° 05.9′ S 70° 27.2′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	66 **20**	6	Tower; 59.	Visible 038°-326°.
1099 *G 1954.3*	-No 3, Range, common front.	23° 05.6′ S 70° 25.6′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	55 **17**	5	Metal post, red rectangular daymark, white stripe; 18.	Visible 088°-245°. Private light.
1099.1 *G 1954.2*	--Rear, No 4, 391 meters 168° from front.	23° 05.8′ S 70° 25.6′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	96 **29**	5	Metal post, red rectangular daymark, white stripe; 28.	Visible 086°-234°.
1099.2 *G 1954.4*	--Rear, No 5, 391 meters 163° from front.	23° 05.8′ S 70° 25.6′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	96 **29**	5	Metal post, red rectangular daymark, white stripe; 26.	Visible 086°-234°.
1100 *G 1954*	-On tower.	23° 06.5′ S 70° 26.5′ W	**Q.R.**		6	Red metal framework tower, white bands; 98.	Obstruction.
1101 *G 1955.1*	-ENAEX Terminal Range, front.	23° 05.6′ S 70° 25.5′ W	**F.G.**	72 **22**	4	Metal post, red trapezoidal daymark, white stripe; 20.	Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1101.5 *G 1955.11*	--Rear, 150 meters 199° from front.	23° 05.7′ S 70° 25.5′ W	**F.R.**	72 **22**	4	Metal post, white trapezoidal daymark, red stripe; 39.	Occasional. Private light.
1102 *G 1955.2*	-Puerto Mejilliones SA Terminal Range, front.	23° 05.2′ S 70° 24.9′ W	**F.G.**	33 **10**	4	Metal post on conveyor bridge, white trapezoidal daymark, red stripe; 16.	Occasional.
1102.5 *G 1955.21*	--Rear, 200 meters 145° from front.	23° 05.3′ S 70° 24.9′ W	**F.R.**	66 **20**	4	Metal post, white trapezoidal daymark, red stripe; 20.	Occasional. Private light.
1102.6 *G 1955.25*	--On chimney.	23° 05.3′ S 70° 24.7′ W	**Fl.R.** period 2s	148 **45**	8	Chimney.	
1103 *G 1955.3*	-Chemical Terminal Range, front. E-1.	23° 04.9′ S 70° 24.1′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	39 **12**	5	Metal post, red rectangular daymark, white stripe; 30.	Visible 175°-184°.
1103.5 *G 1955.31*	--Rear, 90 meters 179° from front. E-2.	23° 04.9′ S 70° 24.1′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	121 **37**	5	Metal post, red rectangular daymark, white stripe; 43.	Visible 175°-184°.
1103.6 *G 1955.35*	--E.	23° 04.9′ S 70° 23.1′ W	**F.R.**	279 **85**	5	Tower.	
1103.7 *G 1955.38*	-Chemical Terminal Range, front. F-1.	23° 04.5′ S 70° 23.6′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	39 **12**	5	Metal post, green rectangular daymark, white stripe; 30.	Visible 106°-114°. Private light.
1103.8 *G 1955.381*	--Rear, 100 meters 109° from front. F-2.	23° 04.5′ S 70° 23.5′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	121 **37**	5	Metal post, green rectangular daymark, white stripe; 43.	Visible 106°-114°. Private light.
1104 *G 1955.4*	-Puerto Angamos Terminal Range, front.	23° 04.2′ S 70° 23.1′ W	**Q.R.**	98 **30**	4	Metal structure, white triangular daymark point up, red stripe; 16.	Private light.
1104.5 *G 1955.41*	--Rear, 180 meters 130° from front.	23° 04.3′ S 70° 23.0′ W	**F.R.**	115 **35**	4	Metal structure, white triangular daymark point down, red stripe; 20.	Private light.
1105 *G 1955.54*	-Range, front.	23° 04.2′ S 70° 23.0′ W	**Q.R.**	85 **26**	4	Metal structure, white triangular daymark point up, red stripe; 16.	Private light.
1105.5 *G 1955.535*	--Common Rear.	23° 04.2′ S 70° 22.9′ W	**F.R.**	121 **37**	4	Metal structure, white triangular daymark point down, red stripe; 20.	Private light.
1105.6 *G 1955.53*	-Range, front.	23° 04.1′ S 70° 22.9′ W	**Q.R.**	85 **26**	4	Metal structure, white triangular daymark point up, red stripe; 16.	Private light.
1106 *G 1955.52*	-N. Mole.	23° 03.9′ S 70° 23.2′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	26 **8**	5	STARBOARD (B) R, structure, topmark; 13.	Visible 052°-231°. Private light.
1107 *G 1955.51*	-S. Mole.	23° 04.0′ S 70° 23.3′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	26 **8**	5	PORT (B) G, structure, topmark; 13.	Visible 052°-231°. Private light.
1108 *G 1952*	Punta Angamos.	23° 01.6′ S 70° 31.0′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	358 **109**	14	White fiberglass tower, red band; 26.	Visible 036°-267°.
1109 *G 1955.6*	-LNG Terminal.	23° 03.0′ S 70° 22.5′ W	**L.Fl.W.** period 8s fl. 3s, ec. 5s	33 **10**	10	White iron post, red band; 16.	
1110 *G 1955.61*	-LNG North Range No 1, front.	23° 03.3′ S 70° 22.0′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	110 **34**	5	Gray iron post, white rectangular daymark, orange stripe; 21.	Visible 280°-033°.
1110.5 *G 1955.615*	--Rear No 2, 180 meters 130° from front.	23° 03.3′ S 70° 21.9′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	140 **43**	5	Gray iron post, white rectangular daymark, orange stripe; 25.	Visible 234°-030°.
1111 *G 1955.62*	-LNG South Range No 3, front.	23° 03.5′ S 70° 22.2′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	107 **33**	5	Gray iron post, white rectangular daymark, orange stripe; 22.	Visible 233°-035°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1111.5 *G 1955.625*	--Rear No 4, 180 meters 130° from front.	23° 03.5′ S 70° 22.1′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	138 **42**	5	Gray iron post, white rectangular daymark, orange stripe; 36.	Visible 236°-031°.
1112 *G 1948*	**Punta Tetas.**	23° 31.2′ S 70° 37.3′ W	**Fl.W.** period 18s fl. 0.6s, ec. 17.4s	108 **33**	**15**	White fiberglass tower, red bands; 26.	Visible 287°-166°.
1117.12 *G 1947.68*	-Shell Anchorage Starboard Range, front.	23° 37.0′ S 70° 23.6′ W	**Q.G.**	43 **13**	4	White triangular daymark point down and round daymark, red stripe; 16.	Visible 043°-150°. Private light.
1117.13 *G 1947.681*	--Common rear.	23° 37.0′ S 70° 23.5′ W	**F.G.**	52 **16**	4	White metal post, white triangular daymark point up and round daymark, red stripe; 32.	Visible 043°-150°; 95 meters 079° from front port; 95 meters 070° from front starboard. Private light.
1117.14 *G 1947.682*	-Shell Anchorage Port Range, front.	23° 36.7′ S 70° 23.5′ W	**Q.G.**	43 **13**	4	White metal post, white triangular daymark point up and round daymark, red stripe; 32.	Visible 043°-150°. Private light.
1118 *G 1947.6*	-Shell Terminal Range, front.	23° 37.4′ S 70° 23.6′ W	**F.R.**	59 **18**	6	White metal post, white triangular daymark point up and round daymark, red stripe; 41.	Visible 040°-180°. Private light.
1118.1 *G 1947.61*	--Rear, 240 meters 132° from front.	23° 37.5′ S 70° 23.5′ W	**F.R.**	98 **30**	6	White metal post, white triangular daymark point down and round daymark, red stripe; 41.	Visible 040°-180°. Private light.
	ANTOFAGASTA:						
1120 *G 1947*	-Este, mole.	23° 38.8′ S 70° 24.4′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	20 **6**	8	Green fiberglass tower; 13.	Visible 263°-260°.
1124 *G 1946*	**-Molo de Abrigo.**	23° 38.8′ S 70° 24.5′ W	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	59 **18**	**19**	White round concrete tower, red bands; 43.	Visible 010°-190°.
1125 *G 1945*	-Darsena Range, front.	23° 39.2′ S 70° 24.3′ W	**F.R.**	66 **20**	7	White iron post, white rectangular daymark, red stripe; 66.	
1125.5 *G 1945.1*	--Rear, 79.8 meters 165° from front.	23° 39.2′ S 70° 24.3′ W	**F.R.**	82 **25**	7	White iron post, white rectangular daymark, red stripe; 82.	
1126 *G 1947.2*	-Molo Socopesca.	23° 38.5′ S 70° 23.9′ W	**Fl.(4)G.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	26 **8**	6	Green fiverglass tower; 16.	
1126.5 *G 1947.3*	-Club de Yates.	23° 38.5′ S 70° 24.0′ W	**Fl.(4)R.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	26 **8**	6	Red fiberglass tower; 16.	
1127 *G 1940*	**Caleta Coloso.**	23° 45.5′ S 70° 28.0′ W	**Fl.(3)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 7.7s	118 **36**	**15**	Rectangular metal framework tower, red band; 66.	Visible 060°-270°. On request. Private light.
	RACON		**O(– – –)** period 40s fl. 20s, ec. 20s	118 **36**	10		Azimuth coverage 130°-230°. (3 & 10cm).
1128 *G 1938*	Punta Ballenita.	25° 47.0′ S 70° 43.4′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	157 **48**	9	White fiberglass tower, red band; 13.	Visible 003°-009° and 010°-241°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1129 *G 1937*	Isla San Felix.	26° 17.7′ S 80° 06.8′ W	**Fl.W.** period 12s fl. 1s, ec. 11s	640 **195**	10	White fiberglass tower, red band; 13.	
1130 *G 1936*	Punta Achurra.	26° 18.1′ S 70° 39.8′ W	**Fl.W.** period 15s fl. 0.5s, ec. 14.5s	105 **32**	10	White fiberglass tower, red band; 26.	Visible 330°-150°.
	CHANARAL:						
1140 *G 1933*	--Anchorage Ranges, near Punta Piedra Blanca.	26° 21.4′ S 70° 39.6′ W	**4 F.R.**		3		2 pairs of range lights (118° and 200°) mark anchorage. F.R. obstruction lights when aircraft are expected.
1141 *G 1935.5*	**Monumental Chanaral.**	26° 21.8′ S 70° 37.4′ W	**Fl.W.** period 5s fl. 0.7s, ec. 4.3s	272 **83**	**20**	Yellow metal tower; 49.	Visible 072°-142°.
1142 *G 1925.6*	Punta Caleta Range, front.	27° 03.3′ S 70° 50.1′ W	**F.R.**		2	Red triangular daymark point up; 10.	Private light.
1143 *G 1925.61*	-Rear, 55 meters 230° from front.	27° 03.4′ S 70° 50.2′ W	**F.G.**		2	Green triangular daymark point up; 10.	Private light.
1143.5 *G 1930*	Punta Totoralillo.	26° 51.1′ S 70° 49.1′ W	**L.Fl.W.** period 8s fl. 3s, ec. 5s	59 **18**	12	White iron tower, red bands; 30.	Visible 033°-290°. Private light.
	RACON		**T(–)**	59 **18**	14		(3 & 10cm).
	CALDERA:						
1144 *G 1926*	-Muelle Fiscal.	27° 03.8′ S 70° 49.5′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	17 **5**	7	PORT (B) G, tower, topmark; 10.	
1147 *G 1924.5*	Punta Calderillo.	27° 02.9′ S 70° 48.7′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	30 **9**	4	White fiberglass tower, red band, rectangular daymark; 11.	Visible 325°-128°.
1148 *G 1924*	**Punta Caldera.**	27° 03.1′ S 70° 51.1′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	125 **38**	**15**	White truncated conical wooden tower, red bands; 61.	Visible 020°-278°. **Aero Radiobeacon** 0.7 mile SSE.
1149 *G 1924.2*	-Punta Padrones, NE.	27° 03.2′ S 70° 50.7′ W	**Fl.W.** period 3s	20 **6**	2		
1149.5 *G 1924.22*	--SW.	27° 03.2′ S 70° 50.7′ W	**Fl.W.** period 3s	13 **4**	2		
1150 *G 1923*	-Punta Caldereta.	27° 04.8′ S 70° 51.6′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	49 **15**	3	Red fiberglass tower; 10.	Visible 069°-305°.
1151 *G 1922*	Bahia Copiapo, Puerto Viejo.	27° 20.2′ S 70° 56.5′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	49 **15**	5	White fiberglass tower, red band; 11.	Visible 045°-270°.
	ISLA DE PASCUA (EASTER ISLAND):						
1152 *G 1991*	-Isla de Pascua Range, front.	27° 09.3′ S 109° 26.4′ W	**Fl.G.** period 3s fl. 0.7s, ec. 2.3s	26 **8**	4	White post, red band; 23.	Visible 025°-160°.
1152.1 *G 1991.1*	--Rear, 250 meters 109° from front.	27° 09.0′ S 109° 26.3′ W	**Fl.G.** period 3s fl. 0.7s, ec. 2.3s	131 **40**	4	White post, red band; 23.	Visible 045°-140°.
1152.5 *G 1992*	-Hang-Roa-Otai.	27° 08.9′ S 109° 26.0′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	20 **6**	8	White fiberglass tower, red band; 10.	Visible 070°-190°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1152.6 *G 1993*	-Hanga-Oua 144°.	27° 09.0′ S 109° 26.0′ W	**Dir.L.Fl.W.** period 8s fl. 3s, ec. 5s	43 **13**	13	White iron framework tower, red band; 16.	Visible 134°-154°.
1153 *G 1994*	-La Perouse, Rada.	27° 05.1′ S 109° 18.0′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 159°-260°.
1154 *G 1994.5*	-Hotuiti, Caleta.	27° 07.3′ S 109° 17.0′ W	**Fl.W.** period 10s fl. 0.7s, ec. 9.3s	23 **7**	9	White fiberglass tower, red band; 10.	Visible 263°-304°.
1155 *G 1995*	-Vaihu, Desembarcadero.	27° 09.9′ S 109° 22.0′ W	**Fl.W.** period 12s fl. 1s, ec. 11s	26 **8**	9	White fiberglass tower, red band; 10.	Visible 264°-060°.
1155.5 *G 1921.5*	Isla Carrizal.	28° 04.7′ S 71° 09.1′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	33 **10**	6	White fiberglass tower, red band; 10.	
	HUASCO:						
1155.8 *G 1921.2*	-Punta Lobos.	28° 18.0′ S 71° 11.6′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	39 **12**	8	White fiberglass tower, red band; 10.	Visible 023°-180°.
1156 *G 1921*	-Islote Cayo.	28° 27.4′ S 71° 13.7′ W	**Fl.(4)G.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	30 **9**	5	Green fiberglass tower; 10.	
1161 *G 1918.2*	-Marine Terminal No 1, Range, front.	28° 27.8′ S 71° 15.3′ W	**F.R.**	92 **28**		Iron framework tower, white square daymark, red diamond in center; 10.	Private light.
1161.25 *G 1918.21*	--Middle, 35 meters 272°30′ from front.	28° 27.8′ S 71° 15.3′ W	**F.G.**	92 **28**		Iron framework tower, white square daymark, red diamond in center; 10.	Private light.
1161.5	--Rear, 50 meters 275° from front.	28° 27.8′ S 71° 15.3′ W	**F.G.**	121 **37**		Iron framework tower, white square daymark, red diamond in center; 10.	Private light.
1162 *G 1918.4*	-No 1 Range, front.	28° 28.2′ S 71° 15.8′ W	**3 F.R.**	92 **28**		Iron framework tower, white square daymark, red diamond in center; 33.	Private light.
1162.5 *G 1918.39*	--Rear, Anchorage No 2, 98 meters 206° from front.	28° 28.2′ S 71° 15.1′ W	**F.G.**	49 **15**		Iron framework tower, white square daymark, red diamond in center, white stripe; 16.	Private light.
1162.8 *G 1918.5*	--Rear, 100 meters, 224° from front.	28° 28.2′ S 71° 15.2′ W	**F.G.**	92 **28**		Iron framework tower, white square daymark, red diamond in center; 33.	Private light.
1162.81 *G 1918.6*	-A-1, range, common front.	28° 28.3′ S 71° 14.9′ W	**Iso.G.** period 2s	98 **30**	5	Iron framework tower, orange rectangular daymark, white stripe; 58.	
1162.82 *G 1918.59*	--A-2, rear, 150 meters 225° from common front.	28° 28.3′ S 71° 14.9′ W	**F.G.**	118 **36**	5	Iron framework tower, orange rectangular daymark, white stripe; 25.	Private light.
1162.83 *G 1918.61*	--A-3, rear, 139 meters 207° from common front.	28° 28.3′ S 71° 14.9′ W	**F.G.**	121 **37**	5	Iron framework tower, orange rectangular daymark, white stripe; 33.	Private light.
1162.9 *G 1918.8*	-Pt. Loros Range, front.	28° 28.3′ S 71° 14.6′ W	**F.R.**			Iron framework tower, white sqaure daymark, red diamond in center; 33.	Private light.
1162.95 *G 1918.81*	--Rear, 60 meters 145° from front.	28° 28.3′ S 71° 14.6′ W	**F.G.**			Iron framework tower, white square daymark, red diamond in center; 33.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1163 *G 1919.1*	-Sta. Barbara Terminal Range, common front.	28° 28.4′ S 71° 14.1′ W	**F.G.**	131 **40**	3	Iron framework tower, white rectangular daymark, orange diamond in center; 46.	Private light.
1163.5 *G 1919.11*	--Rear, 340 meters 132° from common front.	28° 28.5′ S 71° 13.9′ W	**F.G.**			Iron framework tower, white square daymark, red diamond in center; 26.	Private light.
1163.6 *G 1919*	--Rear, 95 meters 145° from common front.	28° 28.4′ S 71° 14.1′ W	**F.G.**	151 **46**	3	Iron framework tower, orange rectangular daymark, white stripe; 39.	Private light.
1163.8 *G 1916.5*	Punta Huasco Sur.	28° 30.2′ S 71° 16.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	115 **35**	8	White fiberglass tower, red band; 11.	Visible 000°-216°.
1164 *G 1916*	Isla Chanaral, W. side.	29° 01.9′ S 71° 35.1′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	190 **58**	14	Cylindrical iron tower, white daymark, red bands; 30.	Visible 010°-214°.
1165 *G 1915*	Punta Rancagua.	29° 04.7′ S 71° 30.0′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	66 **20**	8	White fiberglass tower, red band; 11.	Visible 022°-290°.
1166 *G 1906*	Damas Island.	29° 13.9′ S 71° 31.7′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	161 **49**	7	White fiberglass tower, red band; 11.	
1168 *G 1908*	-Punta Mostacilla.	29° 27.0′ S 71° 18.8′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	125 **38**	6	White fiberglass tower, red band; 26.	
1172 *G 1904*	Islotes Pajaros, southernmost islet.	29° 35.1′ S 71° 31.8′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	131 **40**	10	ISOLATED DANGER BRB, tower, topmark; 13.	Visible 162°-158°.
	COQUIMBO:						
1176 *G 1900.5*	**La Serena** monument.	29° 54.3′ S 71° 16.4′ W	**Fl.W.** period 5s fl. 0.7s, ec. 4.3s	92 **28**	**20**	White sqaure concrete tower, red cupola; 82.	
1177 *G 1901.5*	-Caleta Coquimbo.	29° 57.3′ S 71° 20.1′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	23 **7**	9	White fiberglass tower, red band; 11.	Visible 182°-350°.
1180 *G 1901*	-Landing pier, head.	29° 57.0′ S 71° 20.1′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	30 **9**	8	White metal post, red band; 23.	Visible 192°-358°. Reserve light range 2M. F.R. and F.G. in line 194° about 0.25 mile S.
1184 *G 1900*	**-Punta Tortuga.**	29° 56.0′ S 71° 20.5′ W	**Fl.W.** period 13s fl. 0.2s, ec. 12.8s	79 **24**	**27**	White cylindrical iron tower, red band; 13.	Visible 042°-255°. 3 F.R. on radio mast 1.97 miles SSE. F.R. on radio mast 0.73 mile S. **Siren:** 1 bl. ev. 30s (bl. 3s, si. 27s).
	-RACON		**T(-)** period 60s fl. 55s, ec. 5s	79 **24**	**15**		Azimuth coverage 042°-255°. (3 & 10cm).
1188 *G 1896.7*	Islote Mewes.	29° 57.8′ S 71° 21.8′ W	**Fl.(3)G.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	29 **9**	5	Green fiberglass tower; 10.	
1192 *G 1897*	**-Herradura Approach Range A**, front.	29° 58.9′ S 71° 21.1′ W	**Dir.Fl.W.R.G.** period 3s fl. 1s, ec. 2s	69 **21**	W. **17** R. 3 G. 3	Metal post, white triangular daymark point up, orange stripe; 66.	R. 136°30′-139°30′, W.-140°30′, G.-143°30′. F.R. 3M by day. Private light.
1192.5 *G 1897.1*	--Rear, 165 meters 140°30′ from front.	29° 59.0′ S 71° 21.0′ W	**F.R.**	98 **30**	3	Metal post, white triangular daymark point down, orange stripe.	Private light.

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			CHILE				
1193 *G 1898*	-Mining Pier Range B, front, No 1.	29° 58.5′ S 71° 20.8′ W	**F.R.**	39 **12**	3	White daymark, diamond in center, red and white diagonal stripes; 30.	Private light.
1193.5 *G 1898.1*	--Rear, No 2, about 48 meters 112.5° from front.	29° 58.5′ S 71° 20.8′ W	**F.G.**	49 **15**	3	White square daymark, diamond in center, red and white diagonal stripes; 30.	Private light.
1194 *G 1898.3*	-Anchorage Range C, front.	29° 58.2′ S 71° 21.2′ W	**F.G.**	43 **13**	3	Metal structure, red rectangular daymark, white stripe; 33.	
1194.5 *G 1898.31*	--Rear, about 672 meters 112° from front.	29° 58.4′ S 71° 20.8′ W	**F.G.**	52 **16**	3	Metal post, red rectangular daymark, white stripe; 43.	
1195 *G 1898.5*	-Anchorage Range D, front, No 1.	29° 57.9′ S 71° 21.2′ W	**F.R.**	39 **12**	3	White square daymark, diamond in center, red diagonal stripes; 30.	
1195.5 *G 1898.49*	--Rear, No 2, about 120 meters 037° from front.	29° 57.9′ S 71° 21.2′ W	**F.G.**	62 **19**	3	White square daymark, diamond in center, red diagonal stripes; 30.	
1195.7 *G 1898.51*	--Rear, No 3, about 120 meters 029° from front.	29° 57.9′ S 71° 21.2′ W	**F.G.**	62 **19**	3	White square daymark, diamond in center, red diagonal stripes; 30.	
1196 *G 1898.7*	-Oil Berth Range E, front, No 1.	29° 57.9′ S 71° 21.5′ W	**F.R.**	105 **32**	3	Mast, white diamond daymark, red diagonal stripes; 16.	
1196.5 *G 1898.71*	--Rear, No 2, about 158 meters 031° from front.	29° 57.9′ S 71° 21.5′ W	**F.G.**	240 **73**	3	Mast, white diamond daymark, red diagonal stripes; 16.	
1204 *G 1896.6*	Punta Herradura.	29° 58.0′ S 71° 22.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	65 **20**	10	White fiberglass tower, red band, rectangular daymark; 11.	Visible 101°-103° and 111°-298°.
1205 *G 1896.5*	Port Velero.	30° 13.9′ S 71° 28.8′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	7 **2**	7	STARBOARD (B) R, beacon, topmark; 7.	Visible 325°-184°. Private light.
1208 *G 1896*	**Punta Lengua de Vaca.**	30° 14.9′ S 71° 37.9′ W	**Fl.W.** period 15s fl. 0.3s, ec. 14.7s	133 **41**	**16**	White fiberglass tower, red band; 13.	Visible 039°-265°. F.R. lights mark masts SSE. **Aero Radiobeacon** 8 miles E.
1208.5 *G 1896.2*	Puerto Aldea, Caleta Hornilla.	30° 17.6′ S 71° 36.5′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	56 **17**	5	Red fiberglass tower; 16.	Visible 175°-340°.
1209 *G 1896.3*	-Puerto Aldea.	30° 18.2′ S 71° 35.4′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	23 **7**	7	White fiberglass tower, red band; 15.	Visible 106°-261°.
1209.5 *G 1893*	Rio Limari.	30° 44.1′ S 71° 42.0′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 **8**	7	White fiberglass tower, red band; 11.	Visible 010°-170°.
1210 *G 1892.8*	Punta Sierra.	31° 08.9′ S 71° 40.0′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	154 **47**	6	White fiberglass tower, red band; 11.	Visible 013°-174°.
1211 *G 1892.5*	Caleta Chigualoco.	31° 45.1′ S 71° 31.0′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	33 **10**	2	White fiberglass pillar, red band; 20.	Visible 316°-104°.
1212 *G 1892*	Cabo Tablas.	31° 51.2′ S 71° 33.3′ W	**Fl.W.** period 10s fl. 0.4s, ec. 9.6s	236 **72**	10	White fiberglass tower, red band; 16.	Visible 284°-170°.
1213 *G 1891.3*	Islas Blancas.	31° 52.7′ S 71° 31.7′ W	**Q.(6)+L.Fl.W.** period 15s	82 **25**	7	S. CARDINAL YB, beacon, topmark; 30.	
1214 *G 1891*	-Muelle de Pasajeros.	31° 54.7′ S 71° 31.4′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	29 **9**	8	White fiberglass tower, red top; 10.	Visible 059°-271°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1215 *G 1891.5*	Islote Penitente.	31° 52.4′ S 71° 34.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	44 **14**	2	Black metal framework tower, red band; 10.	
1216 *G 1890*	Isla Huevos, N. side of island.	31° 54.5′ S 71° 31.5′ W	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	62 **19**	9	Red round foberglass tower; 13.	Visible 053°-071° and 076°-297°.
	BAHIA DE QUINTERO:						
1218 *G 1882.2*	-Intake pipe.	32° 44.9′ S 71° 29.3′ W	**Fl.(3+1)Y.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	27 **8**	3	SPECIAL Y, post, "X" topmark; 10.	
1218.5 *G 1882.35*	-Submarine pipe.	32° 44.9′ S 71° 29.2′ W	**Fl.(3+1)Y.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	12 **4**	3	SPECIAL Y, post, "X" topmark; 10.	
1219 *G 1882.3*	-Ventana, No 1.	32° 45.0′ S 71° 29.3′ W	**Fl.(3+1)Y.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	27 **8**	3	SPECIAL Y, post, "X" topmark; 10.	Private light.
1219.5 *G 1882.4*	--No 2.	32° 45.0′ S 71° 29.2′ W	**Fl.(3+1)Y.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	27 **8**	3	SPECIAL Y, post, "X" topmark; 10.	Private light.
1219.6 *G 1882.5*	--No 3.	32° 45.0′ S 71° 29.2′ W	**Fl.(3+1)Y.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	12 **4**	3	SPECIAL Y, post, "X" topmark; 10.	Private light.
1222 *G 1883*	-Ventanilla Range, front.	32° 45.1′ S 71° 29.0′ W	**Q.G.**	46 **14**	4	Iron post, white diamond daymark, red stripe; 36.	Private light.
1223 *G 1883.1*	--Rear, about 70 meters 092° from front.	32° 45.1′ S 71° 29.0′ W	**Q.G.**	72 **22**	4	Barn, white diamond daymark, red stripe.	
1224 *G 1885*	-Ventana Pier.	32° 45.2′ S 71° 29.6′ W	**Dir.W.R.G.**	26 **8**	2	Metal post, white rectangular daymark, orange stripe; 26.	F.R. 342°-352°, F.W.-357°, F.G.-007°. Shown on request. Private light.
1224.1 *G 1884.6*	--V-3.	32° 45.2′ S 71° 29.4′ W	**Q.G.**	39 **12**	2	White diamond daymark, red stripe.	
1224.2 *G 1885.1*	--V-4.	32° 45.2′ S 71° 29.7′ W	**Q.R.**	39 **12**	4	White diamond daymark, red stripe.	
1224.3 *G 1885.5*	--V-5.	32° 45.2′ S 71° 29.7′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	26 **8**	2	Orange iron post, white diamond daymark, red stripe; 10.	
1224.4 *G 1889.5*	--W. end of pier.	32° 45.2′ S 71° 29.8′ W	**Q.R.**	30 **9**	4	Grey iron post; 16.	
1228 *G 1888.6*	*Mono (terminal) Lighted Buoy ENAP.*	32° 45.7′ S 71° 31.1′ W	**Iso.W.** period 2.4s		5	Orange buoy.	**Horn:** 1 bl. ev. 15s (bl. 2s, si. 13s). Private light. **Radar reflector.** **Aero Radiobeacon** 3 miles NNE.
1229 *G 1887.203*	-NR. 4 LPG.	32° 46.4′ S 71° 29.6′ W	**Q.R.**	43 **13**	4	Red iron post, white round daymark, red stripe; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1230 *G 1889*	Oxiquim breakwater.	32° 45.7′ S 71° 29.8′ W	**Fl.(3+1)Y.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s fl. 1s, ec. 6s	26 **8**	8	Yellow tower, dolphin; 13.	Private light.
1231 *G 1881.1*	-LNG Pier, E. range, front, 25 meters 201° from common rear.	32° 46.0′ S 71° 30.5′ W	**Q.G.**	56 **17**	2	White iron post, red rectangular daymark, white stripe; 15.	
	--W. range, front, 25 meters 210° from common rear.		**Q.R.**	56 **17**	2	White iron post, red rectangular daymark, white stripe; 15.	
1231.5 *G 1888.2*	--Common rear.	32° 46.0′ S 71° 30.5′ W	**Q.G.**	64 **20**	2	White iron post, red rectangular daymark, white stripe; 23.	
1232 *G 1886*	Muelle ENAP.	32° 46.2′ S 71° 29.5′ W	**Q.R.**	49 **15**	4	Gray metal framework tower, building, black triangular daymark point up, yellow border; 43.	Private light.
1233 *G 1887.201*	-Range, front.	32° 46.4′ S 71° 29.5′ W	**Iso.R.** period 2s	44 **14**	4	Iron post, red stripe, white diamond topmark; 19.	Visible 139°-165°. Private light.
1234 *G 1887.202*	--Rear, 81 meters 153° from front.	32° 46.4′ S 71° 29.5′ W	**Iso.R.** period 2s	58 **18**	4	Iron post, red stripe, white diamond topmark; 26.	Private light.
1235 *G 1887.2443*	-S. El Bato Marine Terminal Range, front.	32° 46.6′ S 71° 29.8′ W	**Iso.R.** period 2s	31 **10**	3	White iron pillar, red circular daymark, white stripe; 20.	Private light.
1236 *G 1887.2444*	--Rear, 150 meters 116° from front.	32° 46.7′ S 71° 29.7′ W	**Iso.R.** period 2s	56 **17**	3	White iron pillar, red circular daymark, white stripe; 20.	
1237 *G 1887.243*	-Oxiquim Terminal Range No 6, front.	32° 46.5′ S 71° 29.7′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	79 **24**	8	Iron post, white rectangular daymark, red stripe; 21.	Visible 158°-188°. Private light.
1238 *G 1887.244*	--Rear, No 7, 280 meters 173° from front.	32° 46.6′ S 71° 31.4′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	105 **32**	8	Iron post, white rectangular daymark, red stripe; 69.	Visible 158°-188°. Private light.
1246 *G 1887.8*	Roca Tortuga.	32° 46.7′ S 71° 31.4′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	28 **8**	4	Black pillar, red band; 26.	
1248 *G 1887.6*	-Muelle Asimar.	32° 46.5′ S 71° 31.5′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	26 **8**	3	Green metal pillar; 10.	Visible 038°-022°. Private light.
1252 *G 1882*	**Peninsula Los Molles.**	32° 46.3′ S 71° 32.1′ W	**Fl.W.** period 15s fl. 0.3s, ec. 14.7s	308 **94**	**22**	White truncated conical concrete tower, red bands; 59.	Visible 020°-236°30′.
	BAHIA CONCON:						
1254 *G 1880.5*	-Club De Yates Higuerilla.	32° 55.7′ S 71° 32.5′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	36 **11**	11	White fiberglass tower, concrete shed, red band, aluminum cage, copper roof; 23.	Visible 145°-231°.
1255 *G 1880*	**Punta Concon.**	32° 55.7′ S 71° 33.1′ W	**Fl.W.** period 12s fl. 0.4s, ec. 11.6s	49 **15**	**18**	White fiberglass tower, red band; 13.	Visible 352°-234°.
			Fl.(2)R. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	49 **15**	11		Visible 172°-180° on the rocks of Concon.
1255.5 *G 1877*	-Muelle Baron.	33° 02.4′ S 71° 36.5′ W	**Oc.G.** period 3s lt. 2s, ec. 1s	46 **14**	4	Orange iron post; 13.	Visible 070°-290°. Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
	BAHIA DE VALPARAISO:						
1256 *G 1876*	**-Breakwater.**	33° 01.9′ S 71° 37.2′ W	**Fl.W.** period 5s fl. 0.2s, ec. 4.8s	39 **12**	**20**	White iron pillar, red band; 23.	Visible 138°-125°.
1260 *G 1875*	**-Punta Duprat.**	33° 01.6′ S 71° 37.5′ W	**Fl.W.** period 10s fl. 0.7s, ec. 9.3s	69 **21**	**20**	White octagonal concrete tower, red band; 51.	Visible 335°-318°.
1261 *G 1879.1*	-Club de Yates Recreo.	33° 01.6′ S 71° 34.8′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	18 **6**	7	STARBOARD (B) R, pillar, topmark; 7.	Visible 126°-239°.
1263 *G 1878*	**-Punta Gruesa, Condell.**	33° 01.5′ S 71° 35.1′ W	**Fl.W.** period 12s fl. 1.6s, ec. 10.4s	56 **17**	**20**	White iron tower, red band; 23.	Visible 026°-244°.
1268 *G 1874*	**-Punta Angeles.**	33° 01.4′ S 71° 38.8′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	197 **60**	**32**	White iron tower, red bands; 59.	Visible 048°30′-250°. **Horn:** 2 bl. ev. 30s (bl. 3s, si. 10s, bl. 2s, si. 15s).
1272 *G 1870*	Punta Curaumilla.	33° 05.7′ S 71° 45.0′ W	**Fl.W.** period 15s fl. 0.5s, ec. 14.5s	276 **84**	10	White iron tower, red band; 11.	Visible 344°-244°.
1276 *G 1871*	Muelle Laguna Verde.	33° 06.0′ S 71° 41.0′ W	**F.R.**		2		
1278 *G 1869*	-Rada Quintay.	33° 11.5′ S 71° 43.2′ W	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	85 **26**	4	Red truncated concrete tower; 20.	Visible 025°-355°.
			Fl.W. period 5s fl. 0.4s, ec. 4.6s	82 **25**	10		Visible 126°-128° over Fraile rock.
1279 *G 1862*	Club de Yates Algarrobo Range, front.	33° 21.3′ S 71° 40.1′ W	**F.R.**	21 **6**	1	Metal pillar, white triangular daymark point up, red border; 15.	
1279.5 *G 1862.1*	-Rear, about 72 meters 099° from front.	33° 21.3′ S 71° 40.1′ W	**F.R.**	28 **8**	1	Metal pillar, white triangular daymark point up, red border; 21.	
1280 *G 1866*	Peninsula Pajaros Ninos.	33° 21.5′ S 71° 41.2′ W	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	115 **35**	11	Red fiberglass tower; 13.	Visible 163°-150°.
			Fl.W. period 5s fl. 0.5s, ec. 4.5s	111 **34**	8		Visible 150°-163° over Los Farallones rocks.
1282 *G 1864*	Poza Cofradia.	33° 21.4′ S 71° 41.7′ W	**Fl.(3)R.** period 9s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 5.1s	19 **6**	5	STARBOARD (B) R, tower, topmark; 10.	Visible 129°-309°.
1283 *G 1863*	Cofradia Nautica.	33° 21.5′ S 71° 41.7′ W	**L.Fl.W.** period 8s fl. 3s, ec. 5s	66 **20**	14	Black round iron mast; 60.	Visible 186°-206°.
	SAN ANTONIO:						
1284 *G 1857*	**-Punta Panul.**	33° 34.5′ S 71° 37.5′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	292 **89**	**32**	White hexagonal concrete tower, red bands; 31.	**AIS** (MMSI No 997251009).
1292 *G 1859*	-Muelle Policarpo Toro.	33° 35.0′ S 71° 37.3′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	52 **16**	10	PORT (B) G, tower, topmark; 33.	**AIS** (MMSI No 997251100).
1296 *G 1859.3*	-North Harbor Range, front.	33° 35.0′ S 71° 36.8′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	82 **25**	8	Metal pillar, yellow rectangular daymark, red stripe; 43.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1300 *G 1859.31*	--Rear, 78 meters 092°36′ from front.	33° 35.0′ S 71° 36.7′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	118 **36**	8	Metal pillar, yellow rectangular daymark, red stripe; 46.	Private light.
1304 *G 1858*	-Molo Sur.	33° 35.2′ S 71° 37.4′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	46 **14**	13	Red metal post; 39.	**AIS** (MMSI No 997251101). **Horn:** 1 bl. ev. 10s (bl. 8s, si. 2s). **Aero Radiobeacon** 3 miles S. on Santo Domingo Point.
1308 *G 1860*	-Espigon de Atraque, NE. corner.	33° 35.1′ S 71° 37.1′ W	**F.R.**	26 **8**	2	Iron post; 16.	Private light.
1309 *G 1859.2*	-Range, front.	33° 35.5′ S 71° 37.0′ W	**F.R.**	26 **8**	2	Metal pillar, white rectangular daymark, red stripe; 20.	Private light.
1309.5 *G 1859.21*	--Rear, about 100 meters 141° from front.	33° 35.5′ S 71° 36.9′ W	**F.R.**	56 **17**	2	Metal pillar, white rectangular daymark, red stripe; 46.	Private light.
1309.6 *G 1859.15*	-Range, front.	33° 35.7′ S 71° 37.0′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	30 **9**	3	Metal pillar, white rectangular daymark, red stripe; 24.	Private light.
1309.7 *G 1859.16*	--Rear, 153 meters 155° from front.	33° 35.8′ S 71° 37.0′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	43 **13**	3	Metal pillar, white rectangular daymark, red stripe; 37.	Private light.
1310 *G 1859.1*	-Range, front.	33° 35.7′ S 71° 37.1′ W	**F.G.**	33 **10**	2	Metal pillar, white rectangular daymark, red stripe; 26.	Private light.
1310.5 *G 1859.11*	--Rear, about 125 meters 164°24′ from front.	33° 35.7′ S 71° 37.1′ W	**F.G.**	46 **14**	2	Metal pillar, white rectangular daymark, red stripe; 32.	Private light.
1312 *G 1860.2*	--SW. corner.	33° 35.2′ S 71° 37.2′ W	**F.R.**	20 **6**	2	Iron post; 16.	Private light.
	ISLA ROBINSON CRUSOE:						
1328 *G 1855*	-Punta San Carlos.	33° 37.9′ S 78° 49.7′ W	**Fl.W.** period 12s fl. 1s, ec. 11s	18 **6**	9	White fiberglass tower, rectangular daymark, red band; 11.	Visible 180°-001°.
1330 *G 1856*	-Cumberland Bay.	33° 38.2′ S 78° 49.8′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	16 **5**	3	Green framework tower; 10.	Visible 184°-279°.
1331 *G 1856.2*	-Padre Bay.	33° 40.3′ S 78° 56.1′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	8	White iron framework tower, red band; 10.	
1331.5 *G 1853*	Isla Alejandro Selkirk.	33° 43.6′ S 80° 46.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	30 **9**	3	White fiberglass tower, red band; 11.	Visible 151°-141°.
1332 *G 1850*	**Punta Topocalma.**	34° 07.9′ S 72° 00.1′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	387 **118**	**16**	White fiberglass tower, red band; 13.	Visible 347°-210°.
1334 *G 1848*	Trilco, Punta Cardonal.	34° 48.8′ S 72° 08.1′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	148 **45**	9	White wooden cabin, red bands; 22.	Visible 037°-202°.
1335 *G 1846.5*	Muelle Maguellines.	35° 21.5′ S 72° 27.8′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	20 **6**	4	Metal pillar, white rectangular daymark, red band; 10.	
1336 *G 1846*	Cabo Carranza.	35° 33.5′ S 72° 36.7′ W	**Fl.W.** period 10s fl. 1.5s, ec. 8.5s	171 **52**	14	White four-sided iron tower, red bands; 62.	Visible 038°-211°. **Aero Radiobeacon** 19.8 miles NNE marked by Fl.R.
1344 *G 1797*	Morro Loberia.	36° 34.7′ S 73° 00.0′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	262 **80**	9	White fiberglass tower, red band; 13.	Visible 332°-200°.
1348 *G 1798*	**Isla Quiriquina.**	36° 36.5′ S 73° 03.0′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	295 **90**	**21**	White iron tower, red band; 23.	Visible 048°-015°. **Siren:** 2 bl. ev. 30s (bl. 2s, si. 3s, bl. 2s, si. 23s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1352 *G 1806*	-Punta Arenas.	36° 38.5′ S 73° 03.3′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	18 **6**	6	White metal post, red band; 13.	Visible 192°-035°.
1353 *G 1806.5*	-N. Measured Mile Range, front.	36° 37.9′ S 73° 03.2′ W	**F.W.**	57 **18**	3	White fiberglass pillar, red band; 21.	Q.W. 3M shown to assist identification. Occasional.
1353.1 *G 1806.51*	--Rear, 624 meters 305°30′ from front.	36° 37.7′ S 73° 03.6′ W	**F.W.**	172 **52**	3	White fiberglass pillar, red band; 21.	Occasional.
1354 *G 1806.6*	-S. Measured Mile Range, front.	36° 38.7′ S 73° 04.0′ W	**F.W.**	169 **52**	3	White fiberglass pillar, red band; 21.	Q.W. 3M shown to assist identification. Occasional.
1354.1 *G 1806.61*	--Rear, 77 meters 305°30′ from front.	36° 38.7′ S 73° 04.0′ W	**F.W.**	179 **54**	3	White fiberglass pillar, red band; 21.	Occasional.
1360 *G 1802*	-N. mole, head.	36° 38.2′ S 73° 03.4′ W	**Fl.R.** period 3s fl. 0.4s, ec. 2.6s	16 **5**	3	STARBOARD (B) R, pillar; 6.	
1364 *G 1808*	-S. mole, head.	36° 38.7′ S 73° 03.8′ W	**L.Fl.W.** period 8s fl. 3s, ec. 5s	16 **5**	6	White cylindrical metal post, red band; 11.	Visible 255°-053°.
1376 *G 1833*	Penco mechanized pier, head.	36° 43.4′ S 73° 00.5′ W	**Fl.R.G.** period 2s fl. 0.4s, ec. 1.6s		R. 6 G. 4	Hillock.	G. E. side, R. W. side. Private light.
1380 *G 1830*	Isla de los Reyes D, front.	36° 44.0′ S 73° 04.0′ W	**F.R.**	44 **14**	6	White metal post, red bands, white diamond daymark, orange stripe; 20.	Private light.
1380.1 *G 1830.1*	-Rear E, 153 meters 256°30′ from front.	36° 44.0′ S 73° 04.1′ W	**F.R.**	80 **24**	6	White metal post, red bands, white diamond daymark, orange stripe; 56.	Private light.
	TALCAHUANO:						
1388 *G 1821*	--W. breakwater, head.	36° 41.7′ S 73° 06.3′ W	**Fl.(4)G.** period 12s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 5.2s	20 **6**	4	Green square metal tower; 10.	
1390 *G 1834*	-Puerto Lirquen, Muelle No 1.	36° 42.4′ S 72° 59.0′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	31 **10**	5	Green round metal tower; 13.	Visible 070°-249°. Numerous lighted range beacons mark approaches to port and vicinity. Private light.
1391 *G 1834.5*	--Muelle No 2.	36° 42.4′ S 72° 59.4′ W	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	33 **10**	5	STARBOARD (B) R, tower, topmark; 13.	Visible 079°-258°.
1392 *G 1816*	-Marinao breakwater.	36° 41.8′ S 73° 05.6′ W	**Fl.(3)R.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	18 **6**	4	Red metal post; 10.	
1396 *G 1814*	-Belen Shoal.	36° 41.8′ S 73° 05.0′ W	**Fl.(3)W.** period 10s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 7s	36 **11**	9	E. CARDINAL BYB, beacon, topmark; 26.	**Radar reflector.**
	-RACON		**B(– • • •)** period 60s fl. 15s, ec. 45s	39 **12**	4		(3 & 10cm).
1400 *G 1812*	-Caleta Manzano, mole.	36° 41.3′ S 73° 06.0′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	16 **5**	4	STARBOARD (B) R, post, topmark; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
	BAHIA SAN VINCENTE:						
1408 *G 1796*	**-Punta Tumbes.**	36° 36.9′ S 73° 07.1′ W	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	128 **39**	**18**	White iron tower, red bands; 21.	Visible 028°-273°.
1412 *G 1795*	-C.A.P. Muelle, head.	36° 44.4′ S 73° 08.0′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	26 **8**	7	White metal tower, red band, rectangular daymark; 10.	Private light.
1414 *G 1795.2*	-Aproximacion Sitio Sur Range, front.	36° 44.1′ S 73° 07.5′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	52 **16**	7	Metal tower, white triangular daymark, orange stripe; 46.	Private light.
1414.5 *G 1795.21*	--Rear, about 115 meters 048° from front.	36° 44.1′ S 73° 07.5′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	62 **19**	7	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1415 *G 1795.3*	-Enfilacion de Fondeo Sitio Norte Range, front.	36° 44.4′ S 73° 07.5′ W	**F.G.**	85 **26**	8	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1415.5 *G 1795.31*	--Rear, about 184 meters 113° from front.	36° 44.5′ S 73° 07.4′ W	**F.G.**	125 **38**	8	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1416 *G 1794.5*	-Enfilacion de Fondeo Sitio Sur Range, front.	36° 44.5′ S 73° 07.7′ W	**F.R.**	30 **9**	8	Roof, white triangular daymark point up, orange stripe; 19.	Private light.
1416.5 *G 1794.51*	--Rear, about 76 meters 102° from front.	36° 44.5′ S 73° 07.7′ W	**F.R.**	43 **13**	8	Chimney, white triangular daymark point up, orange stripe; 33.	Private light.
1417 *G 1795.4*	-Enfilacion de Aproximacion Sitio Sur Range, front.	36° 44.8′ S 73° 07.8′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	52 **16**	7	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1417.5 *G 1795.41*	--Rear, about 128 meters 170° from front.	36° 44.9′ S 73° 07.8′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	62 **19**	7	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1420 *G 1794*	**Punta Hualpen.**	36° 44.8′ S 73° 11.5′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	154 **47**	**19**	White fiberglass tower, red band; 18.	Visible 040°-262°. **Siren:** 2 bl. ev. 30s (bl. 5s, si. 10s, bl. 5s, si. 10s).
1424 *G 1764*	Isla Santa Maria.	36° 59.1′ S 73° 32.1′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	239 **73**	11	White fiberglass tower, red band; 20.	Visible 006°-344°.
1428 *G 1765*	-Punta Delicada.	37° 02.5′ S 73° 28.6′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	36 **11**	4	White fiberglass tower, red band; 13.	Visible 151°-045°.
	GOLFO DE ARAUCO:						
1429 *G 1791*	-Oxiquim Maritime Terminal Range, front, Ox1.	36° 57.1′ S 73° 09.9′ W	**F.W.**	90 **27**	6	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
1429.5 *G 1791.1*	--Rear, Ox2, about 78 meters 137° from front.	36° 57.1′ S 73° 09.9′ W	**F.W.**	109 **33**	6	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
1431 *G 1792.1*	-Range, common front, Ox3.	36° 56.7′ S 73° 09.7′ W	**F.G.**	57 **17**	3	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
1431.5 *G 1792*	--Rear, Ox4, about 79 meters 084° from front.	36° 56.6′ S 73° 09.7′ W	**F.G.**	65 **20**	3	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
1431.6 *G 1792.2*	--Rear, Ox5, about 77 meters 072° from front.	36° 56.6′ S 73° 09.7′ W	**F.G.**	65 **20**	3	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
	BAHIA DE CORONEL:						
1432 *G 1784*	-Punta Puchoco.	37° 01.7′ S 73° 10.6′ W	**Fl.W.** period 10s fl. 1.3s, ec. 8.7s	62 **19**	10	White fiberglass tower, red band; 20.	Visible 262°-140°.
1432.1 *G 1783.5*	-Range, front.	37° 01.5′ S 73° 10.4′ W	**F.R.**	58 **18**	7	White iron structure, red band, white triangular daymark point up, red stripe; 33.	Private light.
1432.2 *G 1783.6*	--Rear, 112.4 meters 349° from front.	37° 01.5′ S 73° 10.4′ W	**F.R.**	67 **20**	7	White iron structure, red band, white triangular daymark point up, red stripe; 42.	Private light.
1436 *G 1782.5*	-Muelle Puerto Coronel.	37° 01.9′ S 73° 09.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	31 **9**	8	White iron structure, red bands; 31.	Visible 320°-140°. Private light.
1438 *G 1783*	--Approach Range, front.	37° 01.6′ S 73° 09.8′ W	**F.G.**	49 **15**	4	White cylindrical iron pipe, red bands, white triangular daymark point up, orange stripes; 49.	Visible 235°-055°. Private light.
1438.1 *G 1783.1*	---Rear, 80 meters 325° from front.	37° 01.5′ S 73° 09.8′ W	**F.G.**	69 **21**	4	White cylindrical iron pipe, red bands, white triangular daymark point up, orange stripes; 69.	Visible 235°-055°. Private light.
1440 *G 1782.6*	--N. Approach Range, front.	37° 01.6′ S 73° 09.0′ W	**F.G.**	49 **15**	7	White iron pipe, red bands, white triangular daymark point up, orange stripes; 43.	Visible 320°-140°. Private light.
1440.1 *G 1782.7*	---Rear, 160 meters 050° from front.	37° 01.6′ S 73° 09.0′ W	**F.G.**	52 **16**	7	White iron pipe, red bands, white triangular daymark point up, orange stripes; 46.	Visible 320°-140°. Private light.
1442 *G 1782.8*	--S. Approach Range, front.	37° 01.7′ S 73° 09.0′ W	**F.R.**	51 **16**	7	White iron pipe, red bands, white triangular daymark point up, orange stripes; 49.	Visible 320°-140°. Private light.
1442.1 *G 1782.9*	---Rear, 160 meters 050° from front.	37° 01.7′ S 73° 08.9′ W	**F.R.**	69 **21**	7	Barn, white triangular topmark point up, orange stripes; 10.	Visible 320°-140°. Private light.
1443 *G 1782.3*	-Range, front.	37° 01.9′ S 73° 08.8′ W	**Q.R.**	62 **19**	7	White iron structure, red band, white triangular daymark point up, red stripe; 44.	Private light.
1443.1 *G 1782.31*	--Rear, 172.5 meters 077° from front.	37° 01.8′ S 73° 08.7′ W	**Q.R.**	81 **25**	7	White iron structure, red band, white triangular daymark point up, red stripe; 57.	Private light.
	BAHIA DE LOTA:						
1452 *G 1768*	-Punta Lutrin.	37° 05.7′ S 73° 10.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	160 **49**	8	White iron tower, red band; 44.	Visible 250°-186°.
1476 *G 1762*	Punta Lavapie.	37° 09.0′ S 73° 35.1′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	187 **57**	8	White fiberglass tower, red band; 13.	Visible 055°-272°.
	LEBU:						
1480 *G 1758*	-Punta Tucapel.	37° 35.9′ S 73° 40.1′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	26 **8**	10	White fiberglass tower, red band; 13.	Visible 030°-305°.
1484 *G 1756*	Punta Morguilla.	37° 43.5′ S 73° 39.8′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	98 **30**	8	White fiberglass tower, red band; 13.	Visible 328°-172°.
1486 *G 1754*	Tirua Inlet.	38° 20.2′ S 73° 30.2′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	197 **60**	8	White fiberglass tower, red band, red rectangular daymark; 11.	Visible 055°-270°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1487 *G 1755*	Caleta Quidico.	38° 14.2′ S 73° 29.4′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	82 **25**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 043°-270°.
	ISLA MOCHA:						
1488 *G 1752*	-N. on Cerro Los Chinos.	38° 20.1′ S 73° 56.8′ W	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	220 **67**	14	White fiberglass tower, red band; 26.	Visible 014°-287°.
1490 *G 1751*	**-Mocha Weste.**	38° 22.0′ S 73° 56.9′ W	**Fl.W.** period 15s fl. 0.3s, ec. 14.7s	98 **30**	**15**	White cast iron cabin near tower, red band; 43.	Visible 021°-159°.
1492 *G 1750*	-Mocha Sur.	38° 25.0′ S 73° 53.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	108 **33**	11	White fiberglass tower, red band; 26.	Visible 205°-063°.
1494	Roca en Barra.	39° 26.7′ S 73° 12.6′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	16 **5**	3	PORT (B) G, pillar; 16.	
1495 *G 1745.4*	Barra Rio Lingue.	39° 26.8′ S 73° 13.6′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	16 **5**	3	STARBOARD (B) R, pole, topmark; 13.	Visible 095°-268°.
1496 *G 1747*	Caleta Queule, on Punta Ronca.	39° 23.3′ S 73° 14.1′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	171 **52**	6	White fiberglass tower, red band; 20.	Visible 065°-320°.
1497 *G 1748.5*	La Barra.	39° 23.1′ S 73° 13.2′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	16 **5**	2	PORT (B) G, pillar, topmark; 16.	
1498 *G 1748*	Roca Queule.	39° 23.2′ S 73° 13.1′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	13 **4**	2	PORT (B) G, pillar, topmark; 13.	
1499 *G 1747.5*	Punta Cuartel.	39° 23.2′ S 73° 13.1′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	16 **5**	2	STARBOARD (B) R, pillar, topmark; 13.	
1500 *G 1744*	Morro Bonifacio.	39° 41.6′ S 73° 24.2′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	144 **44**	14	White concrete tower, red band; 13.	Visible 014°-208°.
	BAHIA CORRAL:						
1504 *G 1728*	**-Morro Niebla,** E. side of entrance to bay.	39° 52.2′ S 73° 24.1′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	171 **52**	**17**	White iron tower with cabin, red band; 33.	Visible 343°-210°.
1508 *G 1730*	-Roca el Conde, W. side of bay.	39° 52.1′ S 73° 25.2′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	20 **6**	4	STARBOARD (B) R, pillar, topmark; 13.	Visible 147°-006°.
1516 *G 1731*	-Corral, Muelle Fiscal de Pasajeros, head.	39° 53.0′ S 73° 25.5′ W	**Fl.(2)R.** period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	23 **7**	6	STARBOARD (B) R, pillar, topamrk; 13.	Visible 212°-307°.
1520 *G 1736*	-Isla Mancera, N. end.	39° 52.9′ S 73° 23.5′ W	**Fl.(3)R.** period 9s fl. 0.3s, ec. 1s fl. 0.3s, ec. 1s fl. 0.3s, ec. 6.1s	19 **6**	3	Red conical fiberglass pillar, metal pile; 10.	Visible 043°-309°.
1524 *G 1736.4*	-Muelle Isla Mancera.	39° 53.1′ S 73° 23.2′ W	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	26 **8**	3	STARBOARD (B) R, pillar, topmark; 13.	Visible 132°-341°.
1528 *G 1737.4*	-Muelle Niebla No 2.	39° 52.3′ S 73° 23.0′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	20 **6**	3	Green fiberglass structure; 13.	Visible 219°-086°.
1532 *G 1726*	Morro Gonzalo.	39° 51.2′ S 73° 27.9′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	144 **44**	10	White four-sided concrete tower with cabin, red band; 13.	Visible 026°-272°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1536 *G 1724*	**Punta Galera.**	40° 00.3′ S 73° 42.1′ W	**Fl.W.** period 12s fl. 0.4s, ec. 11.6s	141 **43**	**15**	White fiberglass tower, red band; 13.	Visible 326°-208°.
1538 *G 1722*	-Caleta Mansa, Punta Moquegua.	40° 35.3′ S 73° 44.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	167 **51**	9	White fiberglass tower, red band; 13.	Visible 330°-236°.
1540 *G 1720*	Cabo Quedal.	40° 59.2′ S 73° 56.4′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	269 **82**	14	White fiberglass tower, red band; 13.	Visible 356°-196°.
	CANAL DE CHACAO:						
1544 *G 1672*	-Isla Dona Sebastiana, SE. point, front.	41° 44.7′ S 73° 48.3′ W	**Fl.Y.** period 5s fl. 1s, ec. 4s	72 **22**	14	SPECIAL Y, tower, "X" topmark; 13.	Visible 275°-295°.
1548 *G 1672.1*	--SW. point, about 1.3 km. 285°30′ from front.	41° 44.5′ S 73° 49.1′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	98 **30**	10	White fiberglass tower, red bands; 46.	Visible 225°-167°.
1552 *G 1676*	**-Punta Corona.**	41° 47.0′ S 73° 52.8′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	216 **66**	**32**	White concrete tower with house, red bands; 31.	Visible 135°-342°. **Siren:** 1 bl. ev. 10s (bl. 8s, si. 2s).
	-RACON		**O(– – –)** period 30s fl. 21s, ec. 9s	217 **66**	**18**		Azimuth coverage 130°-342°. (3 & 10cm).
1556 *G 1678*	-Pinta Ahui, W. side of entrance to Bahia de Ancud.	41° 49.7′ S 73° 51.3′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	157 **48**	5	STARBOARD (B) R, tower, topmark; 13.	Visible 132°-036°.
1557 *G 1678.3*	-Muelle Rompeolas Ancud.	41° 52.0′ S 73° 50.0′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	23 **7**	4	PORT (B) G, pile, topmark; 13.	Visible 087°-190°.
1558 *G 1678.5*	-Rio Pudeto.	41° 51.7′ S 73° 48.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	66 **20**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 144°-349°.
1560 *G 1675*	-Bajo Colo Colo.	41° 45.2′ S 73° 43.4′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	7	PORT (B) G, tower, topmark; 33.	Visible 273°-099°.
1562 *G 1674.5*	-Caleta Carelmapu.	41° 44.8′ S 73° 42.4′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	10 **3**	3	Red metal pillar; 10.	Visible 284°-000°.
1564 *G 1674*	-Punta Lenqui.	41° 45.3′ S 73° 39.8′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	95 **29**	7	White fiberglass tower, red band; 16.	Visible 282°-116°.
1572 *G 1671*	-Punta San Gallan.	41° 47.8′ S 73° 32.4′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	197 **60**	11	Two white concrete posts with two crossbars, red bands; 33.	Visible 083°-305°.
1574 *G 1670.5*	-Roca Remolinos.	41° 47.7′ S 73° 31.3′ W	**Fl.(2+1)R.** period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	26 **8**	4	Red metal pile, green band; 26.	**Radar reflector.**
1576 *G 1670*	-Punta Barranco.	41° 47.5′ S 73° 30.0′ W	**Fl.W.** period 12s fl. 0.7s, ec. 11.3s	89 **27**	10	White fiberglass tower, red band; 26.	Visible 300°-122°.
1578 *G 1668.6*	-Punta Coronel.	41° 48.0′ S 73° 28.8′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	30 **9**	7	PORT (B) G, tower, topmark; 16.	Visible 005°-056°. **Radar reflector.**
1580 *G 1668*	-Puerto Chacao Nuevo, ferry pier, head.	41° 49.8′ S 73° 30.9′ W	**Fl.G.** period 3s fl. 1s, ec. 2s	26 **8**	7	PORT (B) G, tower, topmark; 13.	Visible 162°-273°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1584 *G 1669*	-Bahia Pargua, ferry pier, head.	41° 47.6′ S 73° 27.6′ W	**Fl.(2)G.** period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	33 **10**	8	PORT (B) G, post, topmark; 8.	
1585 *G 1669.8*	-Muelle Skretting.	41° 47.3′ S 73° 26.7′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	42 **13**	10	White cylindrical iron pillar, red band; 20.	Visible 294°-062°.
1588 *G 1666*	**-Punta Tres Cruces.**	41° 49.9′ S 73° 28.7′ W	**Fl.W.** period 15s fl. 0.2s, ec. 14.8s	128 **39**	**16**	White fiberglass tower, red band; 26.	Visible 095°-004°.
1592 *G 1682*	Bajo Corvio, Paso Quigua.	41° 50.2′ S 73° 12.4′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	36 **11**	5	White fiberglass tower, red band, three concrete pillars; 39.	
1593 *G 1683*	Bajo Chalin, Quihua Shoal.	41° 49.5′ S 73° 12.2′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	4	PORT (B) G, tower, topmark; 26.	
	SENO RELONCAVI:						
1596 *G 1714*	-Muelle Calbuco.	41° 46.2′ S 73° 07.5′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	23 **7**	7	PORT (B) G, tower, topmark; 10.	Visible 177°-339°.
1600 *G 1712*	-Punta Metrencue, Canal Calbuco.	41° 43.8′ S 73° 05.7′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	16 **5**	6	White fiberglass tower, red band; 13.	Visible 240°-030°.
1604 *G 1710*	-Paso Tautil.	41° 43.6′ S 73° 03.3′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	39 **12**	4	PORT (B) G, tower, topmark; 39.	
1608 *G 1704*	-Isla Mallina.	41° 39.5′ S 72° 59.3′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	108 **33**	7	White fiberglass tower, red band; 20.	Visible 012°-270°.
1612 *G 1696*	-Punta Redonda.	41° 41.8′ S 72° 53.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	12	White fiberglass tower, red band; 20.	Visible 168°-036°.
1613 *G 1703.33*	-Punta Anselmo.	41° 30.8′ S 72° 59.8′ W	**Fl.(2)G.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	13 **4**	2	PORT (B) G, pillar, topmark; 13.	
1615 *G 1703.31*	-Kochifas.	41° 30.1′ S 72° 59.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	20 **6**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 223°-034°.
1620 *G 1702*	-Costanera, E.	41° 28.8′ S 72° 57.0′ W	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	23 **7**	2	Red metal tube; 23.	
1624 *G 1702.2*	--Tenglo, E.	41° 28.9′ S 72° 56.9′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	16 **5**	2	Green metal tube; 16.	
1628 *G 1702.3*	--Costanera, W.	41° 28.9′ S 72° 57.1′ W	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	19 **6**	4	Red metal tube; 20.	
1632 *G 1702.4*	--Tenglo, W.	41° 28.9′ S 72° 57.1′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	19 **6**	4	Green metal tube; 13.	
1633 *G 1703*	--Canal Tenglo Range, front.	41° 29.5′ S 72° 58.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	14	White fiberglass tower, red band, rectangular daymark; 11.	Visible 228°-336°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1634 *G 1703.1*	---Rear, 20 meters 232° from front.	41° 29.6′ S 72° 58.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	43 **13**	14	White fiberglass tower, red band, rectangular daymark; 11.	Visible 228°-336°.
1636 *G 1700*	--Malecon de Atraque.	41° 29.0′ S 72° 57.3′ W	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	31 **9**	4	Red fiberglass tower; 13.	Visible 217°-272°.
1638 *G 1696.7*	--Caleta Puelche.	41° 44.3′ S 72° 38.8′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 **8**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 055°-180°.
1638.2 *G 1696.5*	--Caleta La Arena.	41° 41.5′ S 72° 38.5′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 042°-112°.
	-Estuario de Reloncavi:						
1640 *G 1697*	--Rio Puelo.	41° 39.0′ S 72° 20.0′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 052°-198°.
1644 *G 1698*	--Bahia Cochamo.	41° 29.0′ S 72° 19.0′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	25 **8**	5	White fiberglass tower, red band; 11.	Visible 330°-115°.
1645 *G 1703.35*	-Caullahuapi Range, front.	41° 31.5′ S 73° 02.5′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	33 **10**	3	Metal post, white rectangular daymark, red stripe; 23.	Visible 285°-293°.
1645.5 *G 1703.38*	--Rear, 60 meters 289° from front.	41° 31.5′ S 73° 02.6′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	49 **15**	3	Metal post, white rectangular daymark, red stripe; 39.	Visible 285°-293°.
	GOLFO DE ANCUD:						
1652 *G 1694*	-Estero Quildaco, N. side of entrance.	41° 51.5′ S 72° 47.8′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	79 **24**	6	White fiberglass tower, red band; 13.	Visible 053°-178°.
1653	-Caleta Curamin.	41° 52.8′ S 72° 49.3′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	16 **5**	2	White metal pile, red band; 12.	Visible 045°-154°.
1654 *G 1706*	-Bajo Huelmo.	41° 39.7′ S 73° 02.5′ W	**Fl.(2)G.** period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	26 **8**	5	PORT (B) GW, tower, topmark; 26.	Visible 177°-060°.
1656 *G 1684*	-Isla Tabon, near W. end.	41° 54.6′ S 73° 08.8′ W	**Fl.W.** period 10s fl. 0.7s, ec. 9.3s	240 **73**	10	White concrete tower, red band; 44.	Visible 183°30′-190° and 193°30′-175°30′.
1658 *G 1686*	-Banco Amnistia.	41° 57.4′ S 73° 07.1′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	20 **6**	7	Black metal pile, red band; 20.	**Radar reflector.**
1660 *G 1692*	-Isla Queullin, Paso Queullin, on sandy spit extending from Punta Huin.	41° 52.5′ S 72° 56.1′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	46 **14**	10	White cylindrical concrete tower, red band; 28.	Visible 326°-232°.
1662 *G 1693.5*	-Punta Trentelhue.	41° 54.1′ S 72° 50.9′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	13 **4**	5	White fiberglass tower, red band, rectangular daymark; 10.	Visible 032°-210°.
1664 *G 1693*	-Banco San Jose.	41° 50.6′ S 72° 55.1′ W	**Fl.(2+1)R.** period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	43 **13**	6	Red metal framework tower, green band; 43.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1666 *G 1691.5*	-Punta Huron.	41° 55.7′ S 72° 51.2′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	171 **52**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 240°-090°.
1667.5 *G 1691*	-Bajo Chauchil.	41° 58.4′ S 72° 48.8′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	10 **3**	6	White cylindrical metal pillar, red band; 10.	Visible 314°-131°.
1668 *G 1688*	-Punta Gualaihue.	42° 01.8′ S 72° 41.2′ W	**Fl.W.** period 12s fl. 1s, ec. 11s	39 **12**	8	White fiberglass tower, red band; 13.	Visible 210°-140°.
1669 *G 1689*	-Punta Quebraolas.	42° 02.2′ S 72° 38.5′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	66 **20**	6	White fiberglass tower, red band; 13.	Visible 305°-163°.
1672 *G 1690*	-Rio Negro.	41° 58.2′ S 72° 28.4′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	23 **7**	9	White fiberglass tower, red band, rectangular daymark; 13.	Visible 280°-090°.
1675 *G 1657*	-Estero Huequi.	42° 14.6′ S 72° 46.0′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	3	White metal pile, red band, daymark; 11.	Visible 060°-340°.
1676 *G 1656*	-Punta Chulao.	42° 17.9′ S 72° 49.9′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	98 **30**	11	White concrete tower, red band; 33.	Visible 357°-220°.
1680 *G 1652.2*	-Caleta Ayacara.	42° 19.2′ S 72° 47.3′ W	**Fl.(3)R.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 **8**	5	STARBOARD (B) R, tower, topmark; 11.	Visible 010°-202°.
1684 *G 1652*	-Caleta Buill.	42° 25.2′ S 72° 42.1′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	4	STARBOARD (B) R, tower, topmark; 11.	Visible 045°-119°.
1688 *G 1651*	-Poza de Chumilden.	42° 30.6′ S 72° 48.4′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	121 **37**	7	White fiberglass tower, red band; 13.	Visible 020°-222°.
1692 *G 1664*	-Peninsula Guapilinao.	41° 57.1′ S 73° 31.0′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	170 **52**	5	Green fiberglass tower; 10.	Visible 012°-343°.
1696 *G 1662.5*	-Morro Lobos, Isla Caucahue.	42° 06.4′ S 73° 23.3′ W	**Fl.W.** period 12s fl. 1s, ec. 11s	249 **76**	11	White fiberglass tower, red band; 13.	Visible 080°-087° and 090°-345°.
1704 *G 1662*	-Quemchi, mole, head.	42° 08.7′ S 73° 28.2′ W	**Fl.(4)G.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	13 **4**	8	Green fiberglass tower; 10.	
1705 *G 1661.4*	-Rocas Peligro.	42° 15.7′ S 73° 17.9′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	4	STARBOARD (B) R, pile, topmark; 21.	
1706 *G 1661*	-Piedra Lilecura.	42° 16.1′ S 73° 19.8′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	4	PORT (B) G, pile, topmark; 18.	
1708 *G 1655*	-Punta Tugnao.	42° 17.0′ S 73° 03.2′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	40 **12**	11	White fiberglass tower, red band; 13.	Visible 160°-334°.
1712 *G 1654*	-Canal Anihue, Isla Mechuque.	42° 19.0′ S 73° 16.3′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	29 **9**	5	PORT (B) G, tower, topmark; 13.	Visible 004°-073°.
1716 *G 1653*	-Punta Tenaun.	42° 20.3′ S 73° 21.3′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	19 **6**	11	White fiberglass tower, red band; 13.	Visible 195°-071°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1720 *G 1647.5*	-Rada Quetalco.	42° 20.2′ S 73° 33.0′ W	**Fl.G.** period 10s fl. 0.5s, ec. 9.5s	20 **6**	5	PORT (B) G, tower, topmark; 11.	Visible 294°-030°.
	-Canal Dalcahue:						
1724 *G 1647*	--Dalcahue, pier, root.	42° 22.8′ S 73° 39.2′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	20 **6**	7	PORT (B) G, pile, topmark; 11.	
1728 *G 1646*	--Bunocoihue Point Range, front.	42° 23.0′ S 73° 40.0′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	42 **13**	8	White fiberglass tower, red band; 13.	Visible 220°-045°.
1732 *G 1646.1*	---Rear, about 328 meters 339° from front.	42° 23.4′ S 73° 40.4′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	72 **22**	10	White fiberglass tower, red band; 26.	Visible 329°-349°.
1736 *G 1644*	--Punta Chulequehue Range, front.	42° 26.0′ S 73° 39.0′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	35 **11**	8	White fiberglass tower, red band; 13.	Visible 138°-226° and 262°-320°.
1740 *G 1644.1*	---Rear, about 200 meters 159° from front.	42° 25.9′ S 72° 38.9′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	105 **32**	10	White fiberglass tower, red band; 13.	Visible 149°-169°.
1744 *G 1642*	Curaco de Velez.	42° 26.1′ S 73° 37.0′ W	**Q.(9)W.** period 15s	30 **9**	5	W. CARDINAL YBY, tower, topmark; 28.	
1748 *G 1647.7*	Punta Palqui, NE. end of Isla Quinchao.	42° 24.6′ S 73° 30.5′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	85 **26**	7	White fiberglass tower, red band; 13.	Visible 128°-048°.
1752 *G 1648*	-Achao, root of pier.	42° 28.2′ S 73° 29.4′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	20 **6**	9	PORT (B) G, pillar, topmark; 11.	
1756 *G 1649*	Isla Tuequelin, E. end.	42° 27.8′ S 73° 14.2′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	141 **43**	7	White fiberglass tower, red band; 13.	Visible 129°-358°.
1760 *G 1640*	Punta Aguantao.	42° 32.1′ S 73° 34.6′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 **7**	7	White fiberglass tower, red band; 13.	Visible 179°-050°.
1764 *G 1636.5*	Punta Animo.	42° 31.9′ S 73° 46.8′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	5	White fiberglass tower, red band, rectangular daymark; 33.	Visible 247°-097°.
1768 *G 1637*	Punta Peuque, Isla de Chiloe.	42° 31.4′ S 73° 47.1′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	3	STARBOARD (B) R, tower, topmark; 11.	Visible 018°-255°.
1776 *G 1638*	Puerto Castro.	42° 28.7′ S 73° 45.5′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	10	STARBOARD (B) R, tower, topmark; 20.	**Aero Radiobeacon** 0.8 mile N.
1780 *G 1636*	Isla Linlinao.	42° 34.4′ S 73° 44.8′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	125 **38**	8	White fiberglass tower, red band; 18.	Visible 172°-057°.
1784 *G 1634*	Isla de Chiloe, Chonchi, mole, head.	42° 37.1′ S 73° 46.0′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	20 **6**	8	STARBOARD (B) R, pillar, topmark; 11.	
1788 *G 1632*	Islote Yal.	42° 39.5′ S 73° 39.5′ W	**Fl.G.** period 10s fl. 0.5s, ec. 9.5s	30 **9**	6	PORT (B) G, tower, topmark; 14.	
1792 *G 1630*	Isla Quehui, SW. point.	42° 38.8′ S 73° 31.6′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	194 **59**	7	White concrete tower, red band; 18.	Visible 278°-174°.
1796 *G 1631*	-Huillo, E. side of entrance to Estero Pindo.	42° 37.1′ S 73° 30.1′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	28 **8**	4	PORT (B) G, tower, topmark; 18.	Visible 095°-125°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1798 *G 1649.5*	Caleta Cheguian.	42° 34.8′ S 73° 24.1′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	16 **5**	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 356°-098°.
1800 *G 1628*	Isla Imelev.	42° 37.0′ S 73° 24.1′ W	**Fl.(2)W.R.** period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	170 **52**	W. 6 R. 4	White fiberglass tower, red band; 26.	W. 087°-198°, R.-232°, W.-058°, R.-087°.
1804 *G 1624*	Isla Chaulinec, near SE. point.	42° 39.6′ S 73° 14.5′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	82 **25**	13	White cylindrical concrete tower, red band; 25.	Visible 218°-087°.
1808 *G 1625*	Tres Redes.	42° 37.6′ S 73° 17.9′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 **7**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 093°-277°.
1812 *G 1623.5*	Isla Chulin.	42° 37.0′ S 73° 03.9′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	33 **10**	7	White fiberglass tower, red band; 13.	Visible 315°-176°.
1816 *G 1650*	Punta Tengo.	42° 37.2′ S 72° 51.1′ W	**Fl.W.** period 12s fl. 1s, ec. 11s	23 **7**	8	White fiberglass tower, red band; 13.	Visible 005°-196°.
	GOLFO CORCOVADO:						
1820 *G 1623*	-Roca Naranjo, off N. end of Isla Talcan.	42° 41.3′ S 73° 00.0′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	21 **6**	2	White framework tower, red band; 10.	
1824 *G 1622*	-Punta Chana.	42° 46.2′ S 72° 51.2′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	30 **9**	7	White concrete tower, red band; 13.	Visible 344°-180°.
1826 *G 1621*	-Punta Garcia.	42° 56.0′ S 72° 48.5′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	16 **5**	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 117°-290°30′.
1828 *G 1620*	-Punta Piedra Blanca.	42° 54.7′ S 72° 43.2′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	20 **6**	9	White fiberglass tower, red band; 13.	Visible 074°-122°.
1836 *G 1610*	-Punta Chomio.	42° 53.0′ S 73° 27.8′ W	**Fl.(4)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	39 **12**	7	White fiberglass tower, red band; 26.	Visible 165°-032°.
1840 *G 1611*	-Punta Queilen.	42° 54.2′ S 73° 29.1′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	5	PORT (B) G, tower, topmark; 13.	
1848 *G 1613*	-Islote Conejos.	42° 54.8′ S 73° 35.6′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	46 **14**	6	ISOLATED DANGER BRB, tower, topmark; 18.	
1852 *G 1606*	-Isla Tranqui, on Punta Centinela.	43° 00.6′ S 73° 19.5′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	105 **32**	7	White fiberglass tower, red band; 26.	Visible 141°-026°.
1856 *G 1604*	-Estero Huildad, on point, N. side of entrance.	43° 04.4′ S 73° 30.8′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	41 **12**	6	Red fiberglass column; 16.	Visible 231°-311°.
1868 *G 1603*	--Rampa Quellon.	43° 07.3′ S 73° 37.3′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	33 **10**	8	Green metal pillar; 16.	
1872 *G 1598*	-Punta Direccion, Isla Cailin.	43° 10.4′ S 73° 29.9′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	30 **9**	6	White cylindrical concrete tower, red band; 20.	Visible 216°-020°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1874 *G 1599*	-Punta Yelcho.	43° 12.1′ S 73° 35.3′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 **8**	6	White fiberglass tower, red band; 13.	Visible 300°-226°.
1876 *G 1597*	-Isla Mauchil.	43° 15.6′ S 73° 40.0′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	16 **5**	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 356°-098°.
1880 *G 1596*	-Isla Laitec, S. extremity.	43° 16.3′ S 73° 34.6′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	95 **29**	13	White fiberglass tower, red band; 26.	Visible 186°-090°.
1884 *G 1590*	**Islotes Queitao.**	43° 43.5′ S 73° 29.8′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	423 **129**	14	White fiberglass tower, red band; 26.	
1888 *G 1592*	**Isla Guafo.**	43° 33.9′ S 74° 50.0′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	472 **144**	**19**	White cylindrical iron tower, red band, attached dwelling; 26.	Visible 359°-235°.
	RACON		**G(– – •)** period 30s fl. 21s, ec. 9s	472 **144**	**18**		Azimuth coverage 359°-235°. (3 & 10cm).
1892 *G 1589*	Falsa Melinka, E. end of Isla Ascension	43° 52.7′ S 73° 43.9′ W	**Fl.W.** period 12s fl. 1s, ec. 11s	26 **8**	11	White fiberglass tower, red band; 13.	Visible 160°-010°.
1896 *G 1588*	Melinca.	43° 54.1′ S 73° 44.7′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	20 **6**	3	Red metal pillar; 16.	Visible 253°-105°.
	CANAL MORALEDA:						
1900 *G 1586*	-Rada Palena.	43° 45.2′ S 72° 57.0′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	5	White fiberglass tower, green top; 10.	Visible 345°-097°.
1904 *G 1584*	-Islote Locos.	43° 58.9′ S 73° 27.2′ W	**Fl.W.** period 15s fl. 0.7s, ec. 14.3s	148 **45**	10	White truncated conical concrete tower, red band; 33.	
1908 *G 1581*	-Isla Mulchey.	44° 07.8′ S 73° 26.6′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	7	White fiberglass tower, red bands; 13.	Visible 198°-012°.
1910 *G 1583*	-Isla Garrao Chico.	44° 18.6′ S 73° 44.6′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 014°-171°.
1912 *G 1582*	-Roca Negra, Canal Perez Norte.	44° 06.2′ S 73° 45.2′ W	**Fl.(4)W.** period 18s fl. 0.3s, ec. 2s fl. 0.3s, ec. 2s fl. 0.3s, ec. 2s fl. 0.3s, ec. 10.8s	16 **5**	5	White iron pile, daymark, red band; 10.	
1916 *G 1580*	-Isla El Gorro, N. end.	44° 18.2′ S 73° 27.7′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	108 **33**	7	White fiberglass tower, red band; 13.	Visible 160°-006°.
	-Canal Jacaf:						
1917 *G 1580.4*	--Isla Vico.	44° 18.1′ S 73° 16.7′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	43 **13**	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 041°-287°.
1917.2 *G 1580.5*	--Roca Chacabuco.	44° 16.3′ S 73° 24.1′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	20 **6**	4	ISOLATED DANGER BRB, beacon, topmark; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1917.5 *G 1580.7*	--Roca Orestes.	44° 29.1′ S 72° 43.5′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	16 **5**	5	White fiberglass tower, red band, rectangular daymark; 11.	
1918	--Puerto Gala.	44° 15.5′ S 73° 12.1′ W	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	13 **4**	3	Red metal pillar, triangular daymark; 10.	Visible 245°-140°.
1920 *G 1575.7*	-Paso Galvarino.	44° 23.5′ S 72° 36.4′ W	**Fl.(4)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	52 **16**	6	White fiberglass tower, red band; 26.	Visible 168°-024°.
1922 *G 1575.8*	--N. end.	44° 22.7′ S 72° 36.1′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	13 **4**	4	White fiberglass tower, green markings; 10.	Visible 142°-357°.
1924 *G 1578*	-Penon Blanco.	44° 23.0′ S 73° 32.3′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	24 **7**	7	White fiberglass tower, red band; 11.	
1926 *G 1576.5*	-Canal Perez Sur, Isla Brieva.	44° 37.2′ S 73° 51.9′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	15 **5**	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 145°-340°.
1928 *G 1577.5*	-Punta Calqueman.	44° 38.3′ S 73° 27.1′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	30 **9**	7	White fiberglass tower, red band; 13.	Visible 010°-212°.
1932 *G 1577*	-Cayo Blanco, N. side of entrance to Puerto Frances.	44° 46.9′ S 73° 32.2′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	59 **18**	6	White truncated conical concrete tower, red band; 33.	
1934 *G 1576.3*	-Islote Cervantes.	44° 52.8′ S 73° 42.1′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 083°-290°.
1935	-Puerto Gaviota.	44° 53.9′ S 73° 18.2′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	13 **4**	3	Red metal pillar, triangular daymark; 10.	Visible 211°-119°.
	-Canal Puyuguapi:						
1936 *G 1575.2*	--Isla San Andres.	44° 56.3′ S 73° 19.4′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	33 **10**	6	White fiberglass tower, red band; 18.	Visible 278°-112°.
1940 *G 1575.3*	--Islote Marta.	44° 49.6′ S 72° 58.1′ W	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	20 **6**	5	Cylindrical pipe, white concrete base, red band; 13.	Visible 221°-043°.
1944 *G 1575.5*	--Puerto Cisnes.	44° 43.3′ S 72° 42.0′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	30 **9**	3	Green fiberglass tower; 13.	Visible 298°-158°.
1948 *G 1576*	-Isla Tuap.	44° 55.9′ S 73° 31.1′ W	**Fl.(4)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	39 **12**	6	White fiberglass tower, red band; 13.	Visible 029°-234°.
1952 *G 1574*	-Islote Eugenia.	44° 59.0′ S 73° 28.6′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	23 **7**	6	White fiberglass tower, red band; 13.	Visible 159°-017°.
1956 *G 1575*	-Islote El Morro.	45° 08.6′ S 73° 37.5′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	230 **70**	13	White truncated conical concrete tower, red band; 23.	
1960 *G 1573.5*	-Islote Precaucion.	45° 09.3′ S 73° 29.9′ W	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	39 **12**	7	Red fiberglass tower; 13.	Visible 010°-231°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
1962 *G 1573.4*	-Roca West.	45° 12.8′ S 73° 31.7′ W	**Fl.(2)G.** period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	15 **5**	6	White fiberglass tower, green top; 10.	
1964 *G 1573.3*	-Islote Boina.	45° 12.9′ S 73° 31.2′ W	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	59 **18**	5	Red fiberglass tower; 20.	Visible 342°-201°.
1968 *G 1568.8*	-Islote Santa Maria.	45° 19.6′ S 73° 41.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	25 **8**	6	White fiberglass tower, red band; 13.	Visible 107°-012°.
1970 *G 1573*	Isla Colorada.	45° 20.6′ S 73° 21.2′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	20 **6**	8	White fiberglass tower, red band, rectangular daymark; 11.	Visible 296°-216°.
	CANAL PILCOMAYO:						
1971 *G 1570.9*	-Islote Direccion.	45° 10.8′ S 73° 37.2′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	4	Red fiberglass tower, triangular daymark point up; 11.	Visible 305°-160°.
1972 *G 1571*	-Isla Carvallo, S. end.	45° 16.3′ S 73° 27.9′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 **12**	6	White fiberglass tower, red band; 20.	Visible 346°-154°.
1976 *G 1571.5*	-Punta Elisa, NE. side of Island.	45° 17.9′ S 73° 19.8′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	7	White fiberglass tower, red band, daymark; 11.	Visible 095°-274°.
	SENO AISEN:						
1980 *G 1571.7*	-Caleta Bluff, N. side of bay.	45° 28.1′ S 72° 52.0′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	56 **17**	8	White fiberglass tower, red band; 18.	Visible 076°-237°.
1982 *G 1572.6*	-Puerto Chacabuco, SE. Range, front.	45° 28.3′ S 72° 49.1′ W	**Fl.(4)R.** period 12s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 5.6s	39 **12**	3	Red fiberglass tower; 26.	Visible 060°-180°.
1982.1 *G 1572.61*	--Rear, 141° from front.	45° 28.3′ S 72° 49.1′ W	**Fl.(4)R.** period 12s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 5.6s	69 **21**	3	White fiberglass tower, red band; 26.	Visible 060°-180°.
1982.2 *G 1572.55*	--Ferry Terminal D Range, front.	45° 28.2′ S 72° 49.1′ W	**F.R.**	43 **13**	4	Cylindrical iron post, red triangular daymark point up, yellow stripe; 41.	Visible 060°-180°.
1982.3 *G 1572.551*	---Rear, 43.5 meters 124° from front.	45° 28.2′ S 72° 49.0′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	63 **19**	4	Metal base, red triangular daymark point down, yellow stripe; 23.	Visible 060°-180°.
1982.4 *G 1572.4*	--NE. Range, front.	45° 28.0′ S 72° 49.2′ W	**Fl.(3)G.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	72 **22**	5	White metal pillar, orange band, white triangular daymark point up, orange stripe; 62.	Visible 013°-123°. Two range beacons in line 051°, Fl.(3)R. 9s, 140 meters SW.
1982.5 *G 1572.41*	---Rear, 30 meters 053° from front.	45° 28.0′ S 72° 49.1′ W	**Fl.(3)G.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	82 **25**	5	White metal pillar, orange band, white triangular daymark point up, orange stripe; 20.	Visible 013°-123°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
	CANAL ERRAZURIZ:						
1988 *G 1570.5*	-Islote Errazuriz.	45° 32.0′ S 73° 48.7′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	23 **7**	6	White fiberglass tower, red band; 20.	Visible 201°-031°.
1992 *G 1570*	-Islote Diego.	45° 40.1′ S 73° 51.7′ W	**Fl.(4)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	33 **10**	7	White fiberglass tower, red band; 18.	Visible 191°-033°.
1996 *G 1570.6*	-Isla Raimapu.	45° 48.6′ S 73° 34.8′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	29 **9**	11	White fiberglass tower, red band; 13.	Visible 223°-083°.
2000 *G 1570.65*	-Islote Los Mogotes.	45° 56.9′ S 73° 38.7′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	4	Green fiberglass tower; 13.	Visible 145°-060°.
	CANAL DARWIN:						
2004 *G 1569*	-Isla Mitahues.	45° 24.7′ S 73° 44.6′ W	**Fl.(4)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	174 **53**	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 230°-096°30′.
2008 *G 1568.5*	-Islote del Pangal.	45° 27.0′ S 73° 49.6′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	20 **6**	6	White fiberglass tower, red band; 13.	Visible 050°-250°.
2012 *G 1568.3*	-Punta Mayhew.	45° 27.2′ S 73° 54.3′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	13 **4**	5	Green fiberglass tower; 7.	Visible 265°-124°.
2014 *G 1568.2*	-Islote Maipo.	45° 27.0′ S 73° 55.4′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	16 **5**	5	Red fiberglass tower; 13.	Visible 128°-348°.
2016 *G 1568*	-Isla Quemada, Canal Darwin, W. end	45° 25.2′ S 74° 01.6′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	5	White truncated conical concrete tower, red band; 20.	Visible 284°-111°.
2020 *G 1567*	-Punta Quilan.	45° 23.6′ S 74° 07.6′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 **8**	5	White fiberglass tower, red band; 13.	Visible 064°-297°.
2024 *G 1565*	-Roca Pajaros.	45° 24.0′ S 74° 10.6′ W	**Fl.(2+1)R.** period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	26 **8**	6	Red fiberglass tower, green band; 13.	
2028 *G 1564.5*	-Isla Isquiliac.	45° 25.6′ S 74° 20.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	23 **7**	10	White fiberglass tower, red band; 13.	Visible 274°-120°.
2032 *G 1564*	**-Isla Auchilu.**	45° 20.6′ S 74° 34.7′ W	**Fl.W.** period 15s fl. 0.3s, ec. 14.7s	230 **70**	**15**	White truncated conical concrete tower, red band; 33.	Visible 210°-090°.
2036 *G 1563*	Isla Inchemo.	45° 48.4′ S 74° 58.4′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	105 **32**	14	White concrete tower, red band; 13.	Visible 231°-118°.
	RACON		**M(– –)** period 60s	118 **36**	**18**		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2037 *G 1563.5*	Isla Ricado.	45° 49.4′ S 74° 28.2′ W	**Fl.(4)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	23 **7**	4	White fiberglass tower, red band; 13.	Visible 055°-219°.
2037.5 *G 1563.7*	Isla Lucia.	45° 41.9′ S 74° 08.2′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	16 **5**	5	Green fiberglass tower; 13.	Visible 284°-108°.
2038 *G 1563.6*	Punta Morro.	45° 46.5′ S 74° 20.1′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 **8**	4	White fiberglass tower, red band, rectangular daymark; 11.	Visible 090°-300°.
2038.5 *G 1563.8*	Punta Urizar.	45° 41.4′ S 74° 16.2′ W	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	18 **5**	5	White fiberglass tower, red band; 13.	Visible 280°-080°.
2039 *G 1563.3*	Isla Centro.	45° 47.2′ S 74° 40.5′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 258°-119°.
2040 *G 1562*	**Cabo Raper.**	46° 48.3′ S 75° 38.2′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	200 **61**	**18**	White cylindrical concrete tower with house, red band; 46.	Visible 331°-175°.
2041 *G 1563.2*	Isla Direccion.	45° 49.0′ S 74° 46.3′ W	**Fl.(4)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	33 **10**	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 060°-283°.
2043 *G 1558.49*	-Punta Piedras.	49° 14.6′ S 75° 28.1′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	59 **18**	14	White fiberglass tower, red band; 13.	Visible 245°-080°.
	-RACON		**O(– – –)** period 60s fl. 15s, ec. 45s	59 **18**	**18**		(3 & 10cm).
	CANAL MESSIER:						
2044 *G 1558*	**-Isla San Pedro.**	47° 41.9′ S 74° 51.9′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	115 **35**	**16**	White fiberglass tower, red band; 13.	Visible 124°-328°. **Aero Radiobeacon** 300 meters N.
2048 *G 1557*	-Isla Penguin, NE. point of island.	47° 47.5′ S 74° 46.4′ W	**Fl.W.** period 12s fl. 0.7s, ec. 11.3s	53 **16**	10	White fiberglass tower, red band; 13.	Visible 139°-340°.
	CANAL BAKER:						
2049 *G 1560.5*	-Punta Elena.	47° 58.0′ S 73° 47.9′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 348°-143°.
2049.5 *G 1558.5*	-Punta Esmeralda.	47° 51.8′ S 73° 46.2′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	33 **10**	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 340°-135°.
2050 *G 1559*	Tortel Inlet	47° 50.8′ S 73° 35.4′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	118 **36**	5	White fiberglass tower, green top; 10.	
2051 *G 1560*	Punta Stean.	47° 55.0′ S 74° 30.5′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	20 **6**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 187°-045°.
2052 *G 1556*	-Isla Millar, E. side.	47° 58.3′ S 74° 40.6′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 **10**	7	White fiberglass tower, red band; 13.	Visible 162°-342°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2053 *G 1560.2*	-Punta Stony.	48° 01.4′ S 74° 20.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 129°-227°.
2054 *G 1560.4*	-Punta Laura.	48° 03.3′ S 73° 53.4′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 **7**	4	White fiberglass tower, red band, rectangular daymark; 11.	Visible 108°-319°.
	CANAL FALLOS						
2055 *G 1558.45*	-Islotes Campino.	47° 57.3′ S 75° 15.9′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	49 **15**	10	White fiberglass tower, red band; 13.	
	-RACON		**T(–)** period 30s	49 **15**	**18**		(3 & 10cm).
2056 *G 1555*	-Morro Cock.	48° 15.3′ S 74° 32.8′ W	**Fl.W.** period 10s fl. 0.7s, ec. 9.3s	46 **14**	8	White fiberglass tower, red band; 26.	Visible 356°-164°.
2060 *G 1554*	-Isla Middle, W. extremity.	48° 28.7′ S 74° 28.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	66 **20**	8	White fiberglass tower, red band; 13.	Visible 332°-185°.
2064 *G 1553*	-Islote Direccion.	48° 40.4′ S 74° 24.2′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	98 **30**	9	White cylindrical concrete tower, red band; 33.	
2068 *G 1552*	-Bajo Cotopaxi.	48° 44.8′ S 74° 25.8′ W	**Fl.(2)G.** period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	66 **20**	6	Green truncated pyramidal metal tower on the wreck Capitan Leonidas; 8.	**Radar reflector.**
2072 *G 1550*	-Isla Williams.	48° 45.2′ S 74° 21.9′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	14 **4**	6	Green fiberglass tower; 13.	Visible 230°-097°.
2076 *G 1548*	-Isla Daly.	48° 51.5′ S 74° 26.9′ W	**Fl.(4)W.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	36 **11**	8	White fiberglass tower, red band; 26.	Visible 188°-335°.
2077 *G 1547.52*	-Punta Oldenburg.	48° 39.2′ S 74° 41.0′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	16 **5**	4	PORT (B) G, tower, topmark; 11.	Visible 091°-300°.
2078 *G 1547.51*	-Punta Millanga.	48° 42.7′ S 74° 34.6′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	16 **5**	4	PORT (B) G, tower, topmark; 11.	Visible 141°-327°.
2079 *G 1547.5*	-Cabo Nelson.	48° 40.5′ S 74° 27.5′ W	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	26 **8**	4	STARBOARD (B) R, tower, topmark; 11.	Visible 234°-065°.
2080 *G 1547*	-Bahia Liberta, Puerto Gray.	48° 55.1′ S 74° 19.5′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	92 **28**	8	White fiberglass tower, red band; 20.	Visible 024°-334°.
2084 *G 1546.3*	-Islote Eden.	49° 07.9′ S 74° 25.0′ W	**Fl.(2+1)R.** period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	82 **25**	2	Red fiberglass tower, green band; 20.	
2086 *G 1546.8*	-Roca Pascua.	49° 06.3′ S 74° 22.6′ W	**Fl.(2)R.** period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	23 **7**	5	STARBOARD (B) R, column, topmark; 20.	**Radar reflector.**
2087 *G 1546.7*	-Bajo Capac.	49° 06.7′ S 74° 22.7′ W	**Fl.(2)G.** period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	20 **6**	5	Metal column, green rectangular daymark; 20.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2088 *G 1546*	-Isla Carlos.	49° 09.0′ S 74° 24.3′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	21 **6**	6	White fiberglass tower, red band; 13.	Visible 226°-137°.
2092 *G 1545*	-Islotes Guia.	49° 10.1′ S 74° 21.8′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	23 **7**	11	White fiberglass tower, red band; 13.	
2096 *G 1544*	-Islote Bouquet.	49° 14.8′ S 74° 22.1′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	29 **9**	5	Green concrete tower; 20.	
2100 *G 1542*	-Isla Crossover.	49° 16.9′ S 74° 22.5′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	36 **11**	6	White fiberglass tower, red band; 20.	Visible 192°-359°.
2104 *G 1541*	-Isla Foot.	49° 22.7′ S 74° 23.9′ W	**Fl.W.** period 5s fl. 0.7s, ec. 4.3s	36 **11**	9	White fiberglass tower, red band; 20.	Visible 003°-211°.
	CANAL GRAPPLER:						
2108 *G 1540*	-Punta Hayman, Isla Saumarez, N. end of Canal Grappler.	49° 24.7′ S 74° 22.8′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	33 **10**	7	White concrete tower, red band; 20.	Visible 135°-323°.
2112 *G 1539*	Canal Grappler.	49° 26.6′ S 74° 18.1′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	52 **16**	6	White fiberglass tower, red band; 18.	Visible 328°-123°.
2116 *G 1538*	-Cerro Colorado (Red Cape), S. end of Canal Grappler.	49° 32.0′ S 74° 13.0′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 **9**	7	White concrete tower, red band; 20.	Visible 338°36′-146°.
	CANAL WIDE:						
2120 *G 1536*	-Isla Mason, S. end of Canal Icy, Canal Wide.	49° 38.8′ S 74° 20.5′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	82 **25**	10	White octagonal concrete tower, red band; 31.	Visible 198°-066°.
2124 *G 1535*	-Punta Cameron.	49° 54.1′ S 74° 24.4′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	20 **6**	10	White fiberglass tower, red band; 13.	Visible 187°-032°.
2128 *G 1534.7*	-Punta Sunbeam.	50° 04.6′ S 74° 39.6′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	33 **10**	11	White fiberglass tower, red band; 20.	Visible 106°-333°.
2132 *G 1534.8*	-Punta Squire.	50° 05.7′ S 74° 36.8′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	29 **9**	7	White fiberglass tower, red band; 20.	Visible 039°-218°.
2134 *G 1534.5*	Cabo Primero.	49° 50.8′ S 75° 36.7′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	52 **16**	9	White fiberglass tower, red band; 13.	Visible 270°-167°.
	RACON		**O(– – –)** period 30s fl. 9s, ec. 21s	52 **16**	**15**		Azimuth coverage 270°-114°. (3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
	CANAL TRINIDAD:						
2136 *G 1534.3*	-Isla Hernando.	50° 00.4′ S 75° 04.4′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 **9**	7	White fiberglass tower, red band; 20.	Visible 117°-280°.
2140 *G 1534.4*	Tudor, S. side of Canal Trinidad.	50° 00.1′ S 75° 22.1′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	105 **32**	14	White fiberglass tower, red band; 13.	Visible 074°-152° and 167°-261°. **AIS** (MMSI No 997251001). **Radar reflector.**
	RACON		**T(–)** period 60s fl. 15s, ec. 45s	118 **36**	**18**		(3 & 10cm).
2144 *G 1534.2*	Isla Medio, Canal Trinidad.	50° 05.8′ S 74° 48.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	39 **12**	5	White fiberglass tower, red band; 13.	Visible 313°-188°.
	CANAL CONCEPCION:						
2148 *G 1534*	-Isla Stratford, W. side of Estrecho de Concepcion.	50° 11.8′ S 74° 47.8′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	82 **25**	7	White octagonal concrete tower, red band; 31.	Visible 220°-055°.
2152 *G 1533*	-Punta San Miquel, S. extremity of Isla Drummond Hay.	50° 17.7′ S 74° 52.8′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	20 **6**	8	White fiberglass tower; red band; 13.	Visible 248°-162°.
	-West Canal:						
2156 *G 1531.5*	--Islote Bascunan, in Fiordo Eleuterio.	50° 21.6′ S 75° 17.3′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	27 **8**	7	White fiberglass tower, red band; 13.	Visible 240°-095°.
2160 *G 1531*	--Islote Metalero, E. side of entrance to Fiordo Contreras.	50° 26.7′ S 75° 21.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	59 **18**	8	White fiberglass tower, red band; 13.	Visible 247°-214°.
2162 *G 1530.6*	--Islote Guia.	50° 28.5′ S 75° 16.7′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	6	Green fiberglass tower; 13.	Visible 238°-149°.
2164 *G 1530.3*	--Isla Duque de York, Punta Anunciada.	50° 29.9′ S 75° 04.6′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	10	White fiberglass tower, red band; 18.	Visible 096°-283°.
2168 *G 1530*	Isla Inocentes, E. side.	50° 32.9′ S 74° 50.4′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	105 **32**	9	White concrete tower, red band; 33.	Visible 142°-348°.
2172 *G 1529*	Islotes Wheeler.	50° 33.9′ S 74° 44.4′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	26 **8**	6	White fiberglass tower, red band; 20.	Visible 330°-160°.
2176 *G 1528*	Punta Don.	50° 40.1′ S 74° 37.9′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	7	White fiberglass tower, red band; 20.	Visible 325°-150°.
	ANGOSTURA GUIA:						
2180 *G 1526*	-Punta Porpoise.	50° 44.3′ S 74° 31.1′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	52 **16**	6	White octagonal concrete tower, green top; 33.	Visible 120°-320°.
2184 *G 1527*	-Isla Guard.	50° 44.2′ S 74° 30.7′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	6	White fiberglass tower, red band, red triangular daymark point up; 13.	Visible 307°-127°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2188 *G 1524*	-Isla Escala Alta, N. point of island.	50° 46.3′ S 74° 25.7′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	43 **13**	7	White octagonal concrete tower, red band; 13.	Visible 116°-327°.
	CANAL ESTEBAN						
2190 *G 1523*	-Isla Don Canales.	50° 52.0′ S 74° 21.0′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	18 **6**	10	White fiberglass tower, red band; 13.	Visible 032°-241°.
	CANAL SARMIENTO:						
2192 *G 1520*	-Isla Bonduca.	50° 55.4′ S 74° 17.0′ W	**Fl.W.** period 12s fl. 0.7s, ec. 11.3s	89 **27**	10	White cylindrical concrete tower, red band; 33.	Visible 315°-170°.
2196 *G 1518*	-Puerto Bueno, Islote Pounds.	50° 59.6′ S 74° 13.6′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	59 **18**	6	White fiberglass tower, red band; 20.	Visible 156°-144°.
2200 *G 1517*	-Punta San Marcos.	51° 03.2′ S 74° 12.4′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 **9**	6	White fiberglass tower, red band; 13.	Visible 321°-161°.
2204 *G 1516*	-Punta Plumper, Isla Lucia.	51° 09.4′ S 74° 09.7′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	36 **11**	9	White concrete tower, red band; 20.	Visible 340°-168°.
2206 *G 1516.5*	Isla Del Medio.	51° 17.0′ S 74° 21.7′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	26 **8**	9	White fiberglass tower, red band; 20.	Visible 209°-056°.
2208 *G 1514*	-Punta Don Pedro, Isla Vancouver.	51° 24.8′ S 74° 04.9′ W	**Fl.W.** period 15s fl. 0.7s, ec. 14.3s	75 **23**	10	White concrete tower, red band; 20.	Visible 171°-342°.
2212 *G 1509*	-Isla Piazzi.	51° 39.7′ S 73° 59.4′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	52 **16**	10	White fiberglass tower, red band; 20.	Visible 165°-354°.
2216 *G 1508.5*	-Cabo Gracias, Isla Carrington, W. side.	51° 42.2′ S 73° 55.3′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	39 **12**	8	White fiberglass tower, red band; 13.	Visible 336°-154°.
2220 *G 1508*	Bahia Gregg.	51° 49.4′ S 73° 50.6′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 **13**	7	White octogonal concrete tower, red band; 33.	Visible 150°-000°.
	ESTRECHO COLLINGWOOD:						
2224 *G 1506*	-Isla Quena.	51° 48.8′ S 73° 41.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	33 **10**	9	White fiberglass tower, red band; 26.	Visible 300°-180°.
2228 *G 1507*	-Punta Redfern, Isla Newton.	51° 50.4′ S 73° 44.1′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	27 **8**	6	White fiberglass tower, red band; 13.	Visible 140°-335°.
2232 *G 1504.2*	-Arrecife Cloyne.	51° 59.3′ S 73° 41.1′ W	**Fl.(2)G.** period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	20 **6**	6	Green metal column; 16.	
2236 *G 1504*	-Punta Cork, Isla Brinkley.	51° 59.0′ S 73° 41.0′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	42 **13**	8	White hexagonal concrete tower, red band; 33.	Visible 335°-204°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2240 *G 1504.5*	-Roca Bessel.	52° 00.4′ S 73° 40.4′ W	**Fl.(2)R.** period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	28 **9**	4	STARBOARD (B) R, tower, topmark; 13.	
	SENO ULTIMA ESPERANZA:						
2244 *G 1502*	-Islote Cisnes.	51° 45.9′ S 72° 30.6′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	5	Green fiberglass pillar; 20.	
	CANAL SMYTH:						
2252 *G 1496*	-Promontorio Stanley.	52° 04.1′ S 73° 43.9′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	43 **13**	6	White octogonal concrete tower, red band; 20.	Visible 332°-180°.
2254 *G 1495.5*	Arriagada Islands.	52° 02.2′ S 73° 33.4′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	28 **8**	8	White fiberglass tower, red band; 13.	Visible 344°-151°.
2256 *G 1495*	Islotes Thomson.	52° 07.9′ S 73° 33.0′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	34 **10**	7	White fiberglass tower, red band; 13.	
2260 *G 1503.5*	-Isla Jaime.	52° 11.0′ S 73° 17.0′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	39 **12**	9	White fiberglass pillar, red band; 13.	Visible 125°-267°.
2262 *G 1503*	Cabo Grey.	52° 07.3′ S 73° 13.0′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	30 **9**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 276°-098°.
2264 *G 1494*	-Isla Cutler, S. end.	52° 15.0′ S 73° 38.4′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	49 **15**	5	White fiberglass tower, red band; 26.	Visible 181°-034°.
2268 *G 1493*	-Islote Hozven.	52° 16.5′ S 73° 40.7′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	23 **7**	6	White fiberglass tower, red band; 13.	Visible 185°-036°.
2276 *G 1492*	-Islote Bradbury.	52° 21.2′ S 73° 37.4′ W	**Q.(9)W.** period 15s	26 **8**	8	W. CARDINAL YBY, tower, topmark; 13.	
2280 *G 1491.5*	-Islote Pollo.	52° 22.9′ S 73° 41.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	46 **14**	7	White fiberglass tower, red band; 26.	
2288 *G 1490*	-Roca Pearse.	52° 30.4′ S 73° 37.1′ W	**Fl.(3)R.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 **7**	5	Red square concrete tower; 13.	
2289 *G 1490.5*	-Roca Alert.	52° 29.8′ S 73° 37.2′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	20 **6**	6	Black fiberglass tower, red band; 10.	
2292 *G 1488*	-Punta George, Isla Richards.	52° 31.7′ S 73° 37.4′ W	**Fl.(4)G.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	26 **8**	6	Green fiberglass tower; 13.	Visible 168°-024°.
2293 *G 1487*	-Islotes Adelaide, W. side.	52° 32.0′ S 73° 36.8′ W	**Fl.(4)R.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 **8**	3	Red fiberglass tower; 13.	Visible 039°-222°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2296 *G 1486*	-Isla Shoal, W. side.	52° 32.9′ S 73° 38.1′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	29 **9**	7	Red fiberglass tower; 13.	Visible 348°-209°.
2297 *G 1486.5*	-Islotes Evans, E. side.	52° 32.6′ S 73° 39.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	5	White fiberglass tower, red band; 13.	Visible 237°-084°.
2298 *G 1485*	-Promontorio Sivel, W. side.	52° 33.5′ S 73° 36.9′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 **7**	5	White four-sided concrete tower, red band; 14.	Visible 290°-122°.
2300 *G 1484*	-Punta Buckley.	52° 34.1′ S 73° 38.0′ W	**Fl.(2)G.** period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	20 **6**	6	Green fiberglass tower; 13.	Visible 167°-020°.
2304 *G 1483*	-Islote Green, E extremity.	52° 36.1′ S 73° 40.6′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	38 **12**	8	White fiberglass tower, red band; 26.	Visible 164°-045°.
2308 *G 1482.5*	-Cabo Walker.	52° 37.4′ S 73° 40.2′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 **12**	7	White fiberglass tower, red band; 13.	Visible 035°-188°.
2312 *G 1482*	-Islote Lautaro.	52° 42.8′ S 73° 46.8′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	20 **6**	6	Green fiberglass tower; 13.	Visible 225°-037°.
2316 *G 1481*	-Islote Oscar.	52° 43.7′ S 73° 43.8′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	3	Red fiberglass tower; 20.	Visible 035°-198°.
2320 *G 1480*	**-Islote Fairway.**	52° 43.9′ S 73° 46.9′ W	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	128 **39**	**19**	White hexagonal concrete tower with house, red band; 18.	Visible 268°-266°.
2322 *G 1480.5*	-Isla Boston.	52° 46.9′ S 73° 46.5′ W	**Fl.R.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	6	Red fiberglass tower; 10.	Visible 070°-209°.
2324 *G 1498*	**Islotes Evangelistas.**	52° 23.3′ S 75° 05.8′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	190 **58**	**30**	White steel tower on red concrete structure with white house; 43.	Visible 194°-250°, 260°-312°30′ and 318°-186°.
	RACON		**N(– •)** period 60s fl. 15s, ec. 45s	197 **60**	**15**		Azimuth coverage 358°-116°. (3 & 10cm).
	ESTRECHO DE MAGALLANES (STRAIT OF MAGELLAN):						
2328 *G 1478*	**-Bahia Felix.**	52° 57.6′ S 74° 04.1′ W	**Fl.W.** period 15s fl. 0.2s, ec. 14.8s	98 **30**	**21**	White iron tower, red and white bands, white house; 46.	Visible 122°-294°.
2330 *G 1477*	-Isla Falgate.	52° 54.9′ S 73° 49.8′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	72 **22**	9	White fiberglass tower, red band; 13.	Visible 296°-167°.
	-RACON		**T(–)** period 30s fl. 21s, ec. 9s	66 **20**	**15**		Azimuth coverage 296°-167°. (3 & 10cm).
2332 *G 1476*	-Isla Centinela, off Cabo Upright.	53° 05.1′ S 73° 35.1′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	72 **22**	10	White concrete tower, red band; 20.	Visible 111°-037°.
2336 *G 1474*	-Cabo Cooper Key.	53° 15.1′ S 73° 11.9′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	134 **41**	7	White fiberglass tower, red bands; 13.	Visible 312°-135°.
2340 *G 1468*	-Monte Radford.	53° 24.6′ S 72° 57.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	69 **21**	8	White round concrete tower, red band; 10.	Visible 124°-309°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2342 *G 1467.5*	-Islote Skinner.	53° 25.4′ S 72° 49.0′ W	**Fl.(3)W.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 **5**	7	White fiberglass tower, red band; 11.	Visible 300°-131°.
2345 *G 1466.8*	-Paso Largo.	53° 33.1′ S 72° 36.5′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	26 **8**	9	White fiberglass tower, red band; 13.	Visible 129°-158° and 222°-312°.
	-RACON		**T(–)** period 60s fl. 45s, ec. 15s	26 **8**	10		Azimuth coverage 133°-285°. (3 & 10cm).
2348 *G 1466*	-Cerro El Morrion.	53° 33.9′ S 72° 31.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	85 **26**	9	White fiberglass tower, red band; 13.	Visible 092°-288°.
2352 *G 1460*	-Cabo Crosstide.	53° 33.7′ S 72° 25.2′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	92 **28**	5	Green fiberglass pillar; 10.	Visible 083°-264°.
	-Canal Jeronimo:						
2353 *G 1456.2*	--Punta San Carlos.	53° 30.3′ S 72° 23.9′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	7	White fiberglass tower, red band, triangular daymark; 11.	Visible 298°-144°.
2353.2 *G 1456.4*	--Islotes Teran.	53° 25.1′ S 72° 28.9′ W	**Fl.(4)R.** period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	26 **8**	3	White fiberglass tower, red band; 10.	Visible 326°-151°.
2353.4 *G 1456.6*	--Punta Condor.	53° 21.6′ S 72° 30.5′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	23 **7**	7	White fiberglass tower, red band; 13.	Visible 177°-050°.
2353.6 *G 1457*	--Isla Corona.	53° 14.8′ S 72° 21.9′ W	**Q.(6)+L.Fl.W.** period 15s	26 **8**	8	Black fiberglass tower, yellow top; 10.	Visible 211°-090°.
2353.8 *G 1456.8*	--Isla Pan de Azucar.	53° 15.7′ S 72° 21.9′ W	**Fl.(2+1)R.** period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	49 **15**	4	PREFERRED CHANNEL (B) R, pillar, topmark; 11.	Visible 035°-221°.
	-Seno Otway:						
2354 *G 1458*	--Isla Vivian.	53° 08.0′ S 71° 50.5′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	49 **15**	9	White fiberglass tower, red band; 26.	Visible 182°-157°.
2355 *G 1458.1*	--Otway Terminal.	52° 55.2′ S 71° 42.0′ W	**Q.W.**	121 **37**	12	Iron tower, white rectangular daymark, red band; 40.	Visible 246°-019°.
2355.4 *G 1456.3*	-Ensenada Demarcacion.	53° 26.3′ S 72° 29.0′ W	**Fl.(3)G.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	19 **6**	3	Green fiberglass tower; 10.	Visible 151°-326°.
2356 *G 1456*	-Islote Cohorn, Paso Ingles.	53° 33.1′ S 72° 20.2′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	40 **12**	8	White fiberglass tower, red band; 26.	Visible 317°-127°.
	-RACON		**O(– – –)** period 60s fl. 45s, ec. 15s	26 **8**	12		Azimuth coverage 317°-127°. (3 & 10cm).
2360 *G 1454*	-Isla Rupert, Paso Ingles, NE. side.	53° 39.4′ S 72° 12.5′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	82 **25**	7	White fiberglass tower, red band; 26.	Visible 135°-315°.
2364 *G 1450*	--Bahia Fortescue.	53° 42.2′ S 72° 01.5′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	62 **19**	6	White fiberglass tower, red band; 13.	Visible 240°-070°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
	CANAL BRECKNOCK:						
2365 *G 1334.8*	-Peninsula Brecknock.	54° 37.5′ S 71° 45.7′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	59 **18**	8	White fiberglass tower, red band; 26.	Visible 255°-050°.
2366 *G 1335.2*	-Isla London.	54° 38.0′ S 71° 59.3′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	23 **7**	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 134°-313°.
2367 *G 1335*	-Islotes Nelson.	54° 40.0′ S 71° 53.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 243°-136°.
2368 *G 1449*	-Cabo Holland.	53° 47.8′ S 71° 41.9′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	26 **8**	7	White fiberglass pillar, red band; 16.	Visible 307°-113°.
2372 *G 1448*	-Cabo Froward.	53° 53.6′ S 71° 18.7′ W	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	72 **22**	7	White fiberglass tower, red band; 13.	Visible 276°-126°.
2373 *G 1447.33*	--Punta Cono.	54° 07.1′ S 70° 50.5′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	164 **50**	6	White mteal pillar, red top; 13.	Visible 000°-162°.
	-Canal Gabriel:						
2374 *G 1447.37*	--Cabo Expectacion.	54° 14.2′ S 70° 12.9′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	115 **35**	10	White metal pillar, red band; 13.	Visible 124°-336°.
2376 *G 1447*	-Canal Magdalena, Islotes Anxious.	54° 07.0′ S 70° 56.0′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	33 **10**	10	White fiberglass tower, red band; 11.	Visible 346°-194°.
2380 *G 1446*	-Cabo San Isidro.	53° 47.0′ S 70° 58.5′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	92 **28**	9	White cylindrical concrete tower, white dwelling; 26.	Visible 208°-046°.
2384 *G 1444*	-Punta Santa Ana, Puerto del Hambre.	53° 37.8′ S 70° 54.9′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	131 **40**	10	White four-sided concrete tower, red band; 16.	Visible 151°-094°.
2384.1 *G 1447.2*	-Ite Cenaria.	54° 18.0′ S 70° 56.3′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	46 **14**	4	ISOLATED DANGER BRB, tower, topmark; 11.	
2384.2 *G 1447.3*	-Punta Piramide.	54° 26.1′ S 71° 07.3′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	30 **9**	6	White fiberglass tower, red horizontal band, rectangular daymark; 11.	Visible 113°-278°.
2384.8 *G 1447.25*	-Punta Pajarito.	54° 21.2′ S 70° 54.7′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	36 **11**	8	White fiberglass tower, red band; 26.	Visible 043°-228°.
2385 *G 1447.4*	-Isla King.	54° 22.5′ S 71° 16.0′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	23 **7**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 112°-000°.
2386 *G 1447.5*	-Caleta Barrow.	54° 20.3′ S 71° 27.6′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	23 **7**	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 264°-088°.
2387 *G 1447.6*	-Seno Duntze.	54° 20.6′ S 71° 47.9′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 **8**	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 217°-053°.
2388 *G 1442*	-Punta Arska.	53° 34.2′ S 70° 28.6′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	95 **29**	8	White fiberglass tower, red band; 13.	Visible 078°-314°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2392 *G 1443.2*	-Islote Cuervo.	53° 50.2′ S 70° 26.2′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	20 **6**	6	White fiberglass tower, red band; 13.	
2396 *G 1443.3*	-Bahia Harris Mole, head.	53° 50.1′ S 70° 26.8′ W	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	20 **6**	8	Red steel pipe; 12.	Visible 285°-334°. F.R. at easternmost corner of pier.
	-Canal Whiteside:						
2400 *G 1443*	--Islote Tesner.	53° 49.7′ S 70° 23.8′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	20 **6**	8	White fiberglass tower, red band; 13.	Visible 314°-278°.
2403 *G 1443.5*	--Caleta Olguita.	54° 00.0′ S 70° 04.8′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	20 **6**	6	White fiberglass tower, red band; 11.	Visible 001°-155°.
2404 *G 1440*	-Bahia Porvenir.	53° 18.8′ S 70° 27.5′ W	**Fl.W.** period 12s fl. 0.7s, ec. 11.3s	69 **21**	10	White fiberglass tower, red band; 26.	Visible 276°-131°.
	ESTRECHO DE MAGALLANES (STRAIT OF MAGELLAN):						
2405 *G 1435.3*	-Bahia Catalina, N.	53° 05.8′ S 70° 52.3′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	20 **6**	3	Red metal pile; 10.	
2406 *G 1435.31*	--S.	53° 05.9′ S 70° 52.4′ W	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	10 **3**	2	Green metal pile; 10.	
2408 *G 1435.4*	-Muelle Mardones.	53° 07.6′ S 70° 51.5′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	26 **8**	5	Green round pillar; 10.	Visible 138°-014°. Private light.
2412 *G 1436*	-Cabezo Muelle Prat.	53° 10.2′ S 70° 54.4′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	59 **18**	12	White iron pipe, red bands; 49.	F.W. lights shown from cupola of Don Bosco Church.
2414 *G 1438*	-Munoz Gamero Hulk.	53° 10.6′ S 70° 55.0′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	30 **9**	7	White metal framework pillar, red band; 11.	Visible 113°-093°.
2426 *G 1435*	**-Bahia Catalina.**	53° 00.5′ S 70° 51.8′ W	**Fl.R.**		**27**		**Aero Radiobeacon.**
2444 *G 1426*	-Isla Contramaestre.	52° 56.8′ S 70° 21.8′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	82 **25**	9	White cylindrical concrete tower, red band; 20.	Visible 243°-155°.
2448 *G 1428*	-Isla Magdalena.	52° 55.1′ S 70° 34.5′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	161 **49**	10	White cylindrical concrete tower with white house, red band; 44.	
2452 *G 1432*	-Isla Isabel, on Cabo Torax.	52° 54.7′ S 70° 46.9′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	46 **14**	4	White fiberglass tower, red band; 26.	
2454 *G 1431*	-Isla Isabel Range, front.	52° 54.7′ S 70° 44.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	29 **9**	7	White fiberglass tower, red band; 13.	Visible 242°30′-082°.
2455 *G 1431.1*	--Rear, 190 meters 007° from front.	52° 54.5′ S 70° 44.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	43 **13**	10	White fiberglass tower, red band; 30.	Visible 353°30′-022°30′.
2464 *G 1425.5*	-Cabo San Vicente.	52° 46.6′ S 70° 25.9′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	210 **64**	10	White fiberglass tower, red band; 13.	Visible 303°-233°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2468 *G 1424*	-Cerro Cono.	52° 39.9′ S 70° 23.4′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	161 **49**	7	White fiberglass tower, red band; 13.	Visible 262°-064°.
2472 *G 1425*	-Segunda Angostura.	52° 44.1′ S 70° 10.9′ W	**Fl.W.** period 10s fl. 0.7s, ec. 9.3s	66 **20**	9	White octagonal concrete tower, red band; 20.	Visible 086°-278°.
	-RACON		**M(– –)** period 48s fl. 3s, ec. 45s		**15**		(10cm).
2476 *G 1422*	-Puerto Sara Range, front.	52° 37.4′ S 70° 11.9′ W	**2 F.Y.**	49 **15**	3	White iron pipe, red band, white triangular daymark point up, orange bands; 36.	Private light.
2476.5 *G 1422.1*	- -Rear, 185 meters 334° from front.	52° 37.2′ S 70° 12.0′ W	**2 F.Y.**	75 **23**	3	White triangular metal framework structure, red bands; 16.	Private light.
2478 *G 1421.7*	-Punta Valle.	52° 33.1′ S 70° 00.9′ W	**Fl.(3+1)Y.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	59 **18**	8	SPECIAL Y, tower, "X" topmark; 16.	Visible 273°-030°. Private light.
2481 *G 1421*	-Punta Piedra.	52° 47.2′ S 69° 50.2′ W	**Fl.(3+1)Y.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	33 **10**	8	SPECIAL Y, tower, "X" topmark; 16.	Visible 108°-227°. Private light.
2484 *G 1420*	**-Crawford.**	52° 32.7′ S 69° 36.3′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	49 **15**	**17**	White fiberglass tower, red bands; 26.	Visible 022°-191°. **AIS** (MMSI No 997251094). **Radar reflector.**
2488 *G 1419*	-Bajo Satelite.	52° 33.4′ S 69° 41.6′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	9	STARBOARD (B) R, tower, topmark; 33.	**AIS** (MMSI No 997251093). **Radar reflector.**
	-RACON		**T(–)** period 60s fl. 15s, ec. 45s	33 **10**	10		(3 & 10cm).
2492 *G 1416*	-Punta Mendez.	52° 31.7′ S 69° 35.0′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	105 **32**	6	White fiberglass tower, red band; 13.	Visible 040°-226°.
2496 *G 1414*	**-Punta Delgada.**	52° 27.4′ S 69° 32.8′ W	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	69 **21**	**19**	White metal tower, red band, masonry base, attached concrete house, red roof; 39.	Visible 229°-039°.
2508 *G 1413*	-Banco Direccion.	52° 25.6′ S 69° 30.0′ W	**Fl.(2)R.** period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	26 **8**	4	STARBOARD (B) R, tower, topmark; 26.	**AIS** (MMSI No 997251096). **Radar reflector.**
2512 *G 1411.5*	-Puerto Progreso.	52° 27.7′ S 69° 30.0′ W	**Fl.(2)G.** period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	26 **8**	5	PORT (B) G, tower, topmark; 26.	**AIS** (MMSI No 997251095). **Radar reflector.**
2516 *G 1412*	-Cerro Direccion.	52° 21.2′ S 69° 30.1′ W	**Fl.W.** period 10s fl. 0.7s, ec. 9.3s	272 **83**	11	White fiberglass tower, red band; 36.	Visible 193°-015° and 022°-025°. **AIS** (MMSI No 997251099).
	-RACON		**O(– – –)** period 60s fl. 15s, ec. 45s	289 **88**	**15**		(3 & 10cm).
2520 *G 1411*	-Punta Anegada.	52° 27.5′ S 69° 25.9′ W	**Fl.G.** period 10s fl. 0.5s, ec. 9.5s	26 **8**	5	PORT (B) G, tower, topmark; 11.	Visible 058°-287°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2524 *G 1410.5*	-Banco Orange.	52° 24.8′ S 69° 21.4′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	20 **6**	5	PORT (B) G, tower, topmark; 20.	**AIS** (MMSI No 997251097). **Radar reflector.**
2525 *G 1407*	-PE-1.	52° 20.8′ S 69° 05.2′ W	**2 Mo.(U)W.** period 20s	62 **19**	10	Platform.	**Horn:** Mo.(U) 30s.
	-RACON		**T(–)** period 48s	59 **18**	14		
2526 *G 1407.06*	-PE-2.	52° 22.0′ S 69° 04.9′ W	**2 Mo.(U)W.** period 20s	59 **18**	10	Masts on platform.	
	-RACON		**M(– –)** period 48s fl. 3s, ec. 45s	72 **22**	**15**		(10cm).
2527 *G 1406.5*	-PO-2.	52° 19.0′ S 69° 03.9′ W	**Fl.R.** period 5s	59 **18**	6	Platform.	**Horn:** Mo.(U) 30s.
			4 Mo.(U)W. period 20s	52 **16**	10		
2527.5 *G 1406*	-SPN-2.	52° 24.1′ S 69° 04.7′ W	**Fl.G.** period 5s	72 **22**	7	Masts on platform.	2 Mo.(U)W. 20s 18m 10M. Platform SPN-1 0.9M S. Platform SPN-4 2.4M SSE. **Horn:** Mo.(U) ev. 30s. Platform SPN-3 close by.
			2 Mo.(U)W. period 20s	72 **22**	10		
2528 *G 1409*	-Banco Narrow.	52° 18.9′ S 69° 19.3′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	33 **10**	6	STARBOARD (B) R, tower, topmark; 33.	**AIS** (MMSI No 997251098). **Radar reflector.**
2532 *G 1408*	-Cabo Posesion, SW. of summit.	52° 17.5′ S 68° 57.8′ W	**Fl.W.** period 18s fl. 0.5s, ec. 17.5s	295 **90**	10	White four-sided concrete tower, red band, white house; 36.	Visible 295°-104° and 115°-134°.
	BAHIA DESOLADA:						
2536 *G 1334.6*	-Cabo Atracadero.	54° 41.6′ S 71° 33.1′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	52 **16**	4	White fiberglass tower, green top; 10.	Visible 258°-091°.
2537 *G 1335.1*	Isla Sidney, Punta Carmela.	54° 44.6′ S 71° 46.9′ W	**Fl.W.** period 12s fl. 0.3s, ec. 11.7s	36 **11**	9	White fiberglass tower, red band; 13.	Visible 132°-305°.
2537.5 *G 1334.06*	Paso Occidental, Islote Penon.	54° 47.6′ S 71° 32.6′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	262 **80**	9	White fiberglass tower, red band; 13.	Visible 090°-290°.
	RACON		**O(– – –)** period 60s fl. 15s, ec. 45s	262 **80**	**15**		Azimuth coverage 090°-230°. (3 & 10cm).
2538 *G 1334.1*	Paso Occidental Islote Laberinto.	54° 45.0′ S 71° 26.7′ W	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	23 **7**	6	STARBOARD (B) R, tower, topmark; 13.	Visible 036°-251°.
2539 *G 1334.15*	Eastern Laberinto Inlet.	54° 44.0′ S 71° 29.3′ W	**Fl.G.** period 10s fl. 0.3s, ec. 9.7s	16 **5**	6	Green fiberglass tower, green rectangular topmark; 11.	
	CANAL BALLENERO:						
2540 *G 1334.4*	-Islote Entrada.	54° 41.7′ S 71° 28.0′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	66 **20**	11	White fiberglass pillar, red band; 13.	Visible 045°-290°.
2544 *G 1334.2*	-Islote Direccion.	54° 43.0′ S 71° 22.1′ W	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	56 **17**	5	ISOLATED DANGER BRB, beacon, topmark; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2548 *G 1334*	-Isla Burnt.	54° 44.0′ S 71° 17.5′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	52 **16**	8	White fiberglass tower, red band; 26.	Visible 285°-130°.
2552 *G 1333.8*	Isla Senal, Canal Ballenero.	54° 50.9′ S 70° 56.8′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	33 **10**	8	White fiberglass tower, red band; 13.	Visible 295°-135°.
2554 *G 1333.5*	-Acevedo.	54° 54.1′ S 70° 22.6′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	79 **24**	8	White fiberglass tower, red band; 13.	Visible 065°-332°.
2556 *G 1333.6*	Isla Redonda, Canal Ballenero.	54° 55.0′ S 70° 38.1′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	52 **16**	7	White fiberglass tower, red band, rectangular daymark; 10.	Visible 257°-112°.
2557 *G 1333.7*	-Islote Arancibia Clavel.	54° 51.8′ S 70° 22.8′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	20 **6**	9	White fiberglass tower, red band; 13.	Visible 112°-308°.
2557.5 *G 1333.4*	-Islote Condor.	54° 53.2′ S 70° 19.6′ W	**Fl.(2+1)G.** period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	85 **26**	5	PREFERRED CHANNEL (B) GRG, tower; 11.	Visible 294°-114°.
2558 *G 1333.2*	Islote Termino.	54° 53.2′ S 70° 17.4′ W	**Fl.G.** period 5s fl. 0.4s, ec. 4.6s	39 **12**	4	PORT (B) G, tower, topmark; 10.	Visible 108°-074°.
2560 *G 1333*	Islote Montenares.	54° 52.6′ S 70° 06.0′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	43 **13**	7	White fiberglass tower, red band, rectangular daymark; 11.	
	CANAL THOMSON						
2561 *G 1333.1*	-Isla Maruja.	54° 55.9′ S 70° 14.0′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	39 **12**	8	White fiberglass tower, red band; 13.	Visible 155°-013°. **AIS** (MMSI No 997251092).
2562.5 *G 1333.17*	-Islote Pollera.	55° 04.0′ S 70° 12.9′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	82 **25**	6	STARBOARD (B) R, tower, topmark; 11.	**AIS** (MMSI No 997251008).
2563 *G 1333.19*	-Islote Salientes.	55° 08.0′ S 70° 15.4′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	39 **12**	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 177°-007° and 019°-051°. **AIS** (MMSI No 997251007).
	BAHIA COOK:						
2563.2 *G 1333.195*	-Islotes Sandwich.	55° 12.2′ S 70° 25.3′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	210 **64**	9	White fiberglass tower, red band; 13.	Visible 239°-057°. **AIS** (MMSI No 997251006).
	-RACON		**O(– – –)**	210 **64**	**18**		Azimuth coverage 239°-057°. (3 & 10cm).
	BEAGLE CANAL:						
2563.5 *G 1332.5*	-Ventisquero Romanche. (A.)	54° 53.3′ S 69° 28.4′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	20 **6**	11	White fiberglass tower, red band; 13.	Visible 300°-110°.
2564 *G 1332*	-Punta Yamana.	54° 57.9′ S 69° 01.8′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	42 **13**	7	White concrete tower, red band; 16.	Visible 265°-095°.
2566 *G 1332.2*	-Ventisquero Holanda Glacier.	54° 56.9′ S 69° 07.5′ W	**Fl.W.** period 10s fl. 0.7s, ec. 9.3s	36 **11**	7	White round fiberglass tower, red band, rectangular daymark; 11.	Visible 010°-106° and 300°-320°.
2567 *G 1332.3*	-Isla Gordon, Punta Divide.	54° 58.2′ S 69° 07.9′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	30 **9**	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 140°-017°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2567.5 *G 1331*	-Cabo Hann.	54° 57.1′ S 68° 24.1′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	11 **4**	6	White metal pile, red band, rectangular daymark; 8.	Visible 142°-327°.
2567.6 *G 1331.2*	-Punta Oriental.	54° 58.9′ S 68° 21.2′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	82 **25**	4	STARBOARD (B) R, tower, topmark; 11.	Visible 333°-129°.
2568 *G 1330*	-Rocas Contramaestre Peron.	54° 55.3′ S 68° 34.7′ W	**Q.W.**	72 **22**	7	N. CARDINAL BY, tower, topmark; 26.	
2570 *G 1329.5*	-Zeballos. (A.)	54° 53.5′ S 68° 36.4′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	39 **12**	7	White conical fiberglass tower, red bands; 26.	
2572 *G 1329*	-Lapataia. (A.)	54° 51.7′ S 68° 33.7′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	26 **8**	6	Black and white column, black and white cross; 13.	
2576 *G 1323*	-Paso Chico Range, front. (A.)	54° 50.4′ S 68° 15.6′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	30 **9**	8	White round fiberglass tower, red band; 26.	
2578 *G 1323.1*	--Rear, 465 meters 019°22′ from front, Isla Casco. (A.)	54° 50.1′ S 68° 15.4′ W	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	46 **14**	6	Black tower, white top; 36.	
	-Bahia Ushuaia (A.):						
2580 *G 1325*	--Punta Observatorio. (A.)	54° 49.0′ S 68° 18.0′ W	**Fl.W.** period 2s fl. 0.2s, ec. 1.8s	33 **10**	7	Red truncated pyramidal tower, white bands; 26.	
2584 *G 1326*	--Muelle Gobernacion, extension, head. (A.)	54° 48.7′ S 68° 17.7′ W	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	26 **8**	5	Metal column, yellow rectangular daymark, black bands; 20.	
2590 *G 1326.5*	--Muelle Laserre. (A.)	54° 48.4′ S 68° 17.7′ W	**Iso.Y.Bu.** period 6s	13 **4**	2	Orange tower, yellow band; 16.	
2596 *G 1327*	--Guardiamarina Moutin. (A.)	54° 48.3′ S 68° 17.3′ W	**Al.Iso.Y.Bu.** period 4s	13 **4**	1	Yellow tower, orange band; 13.	
2600 *G 1323.4*	-Islas Bridges, W. end. (A.)	54° 52.2′ S 68° 16.0′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	46 **14**	5	Red metal framework tower, white band; 30.	
2604 *G 1322.4*	-Iturrieta. (A.)	54° 52.7′ S 68° 14.5′ W	**Q.(6)+L.Fl.W.**	98 **30**	4	S. CARDINAL YB, tower, topmark; 16.	
2608 *G 1322*	-Islote Bartlett.	54° 53.7′ S 68° 13.8′ W	**Q.W.**	52 **16**	5	N. CARDINAL BY, tower, topmark; 13.	
2609 *G 1322.1*	- Isla Martinez, Rocas Centinela.	54° 54.7′ S 68° 18.2′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	2	White metal pillar, green top; 10.	Visible 336°-241°.
2616 *G 1323.6*	-Escarpados. (A.)	54° 49.1′ S 68° 11.2′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	194 **59**	6	Black metal framework tower, yellow bands, two white triangular topmarks points together; 33.	
2620 *G 1320*	-Islotes Les Eclaireurs. (A.)	54° 52.3′ S 68° 05.0′ W	**Fl.W.R.** period 5s fl. 0.5s, ec. 4.5s	72 **22**	W. 10 R. 7	Red truncated conical stone tower, white band; 36.	R. 081°-115°, W. -081°.
2624 *G 1319.4*	-Punta San Juan. (A.)	54° 51.3′ S 67° 59.4′ W	**Fl.W.** period 8s fl. 1s, ec. 7s	75 **23**	7	White truncated pyramidal tower; 26.	
2632 *G 1318*	-Rocas Lawrence. (A.)	54° 52.6′ S 67° 52.6′ W	**V.Q.(6)+L.Fl.W.**	30 **9**	8	S. CARDINAL YB, tower, topmark; 30.	**Radar reflector.**
2636 *G 1317.8*	-Punta Parana. (A.)	54° 52.8′ S 67° 45.7′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	72 **22**	6	Red round tower, white band; 13.	
2638 *G 1314.3*	-Banco Herradura.	54° 54.0′ S 67° 36.2′ W	**Q.W.**	20 **6**	5	N. CARDINAL BY, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2640 *G 1316*	-Punta Gusano, end of peninsula.	54° 55.3′ S 67° 36.3′ W	**Fl.(3)R.** period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 **9**	5	Red fiberglass tower; 10.	
2641 *G 1317.1*	-Puerto Williams Tower.	54° 56.0′ S 67° 36.5′ W	**Fl.(2)W.** period 4s		5	Radio mast.	
2664 *G 1315*	-Direccion. (A.)	54° 52.8′ S 67° 36.0′ W	**Fl.(2)W.** period 16s fl. 1s, ec. 3s fl. 1s, ec. 11s	79 **24**	6	Red and yellow tower; 23.	
	-Isla Gable (A.):						
2668 *G 1314*	--W. end of island range, front. (A.)	54° 53.6′ S 67° 32.1′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	157 **48**	6	White metal framework tower, orange bands; 20.	Visible 000°-250°.
2672 *G 1314.1*	---Rear, 353 meters 090° from front. (A.)	54° 53.6′ S 67° 31.9′ W	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	236 **72**	6	Orange metal framework tower; 26.	
2676 *G 1313*	-Punta Trucco Range, front.	54° 55.4′ S 67° 31.8′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	32 **10**	8	White fiberglass tower, red band; 26.	Visible 075°-180°.
2680 *G 1313.1*	--Rear, about 200 meters 140° from front.	54° 55.5′ S 67° 31.7′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	73 **22**	14	White fiberglass tower, black band; 26.	Visible 130°-150°.
2684 *G 1311*	-Punta Espora. (A.)	54° 54.7′ S 67° 29.7′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	52 **16**	8	White round tower, red bands; 26.	
2688 *G 1312*	-Rosales Point Range, front.	54° 55.5′ S 67° 27.4′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	23 **7**	6	White fiberglass tower, red band; 13.	Visible 075°-180°.
2692 *G 1312.1*	--Rear, about 720 meters 100° from front.	54° 55.5′ S 67° 26.8′ W	**Fl.(3)W.** period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	52 **16**	7	White fiberglass tower, red band; 13.	
2696 *G 1310*	-Punta Mackinlay, on Isla Gable. (A.)	54° 54.7′ S 67° 24.9′ W	**Fl.R.** period 2s fl. 0.5s, ec. 1.5s	31 **9**	6	Red and white checkered cylindrical fiberglass tower, white four-sided truncated concrete base, red band; 23.	**Radar reflector.**
2700 *G 1308*	-Isla Martillo. (A.)	54° 54.6′ S 67° 22.5′ W	**Fl.W.** period 7s fl. 1s, ec. 6s	25 **8**	7	White concrete framework tower, red bands; 25.	
2704 *G 1307*	-Isla Barlovento.	54° 55.4′ S 67° 18.6′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	37 **11**	5	White fiberglass tower, red bands; 26.	
2708 *G 1306*	-Ponsati. (A.)	54° 53.2′ S 67° 17.8′ W	**Fl.(2)W.** period 16s fl. 1s, ec. 4s fl. 1s, ec. 10s	30 **9**	6	White metal framework tower, black bands; 23.	
2710 *G 1303.4*	-Isla Snipe.	54° 57.2′ S 67° 08.9′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	151 **46**	8	White fiberglass tower, red band; 16.	
2710.02 *G 1304*	-Pampa De Los Indios. (A.)	54° 54.6′ S 67° 05.4′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s		6	White round concrete tower, black bands; 20.	
2710.05 *G 1302*	-Islas Becasses. (A.)	54° 57.2′ S 67° 01.8′ W	**Fl.W.** period 3s fl. 0.6s, ec. 2.4s	125 **38**	6	Red round concrete tower, white bands; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CHILE				
2710.07 *G 1300*	-Davison. (A.)	54° 56.5′ S 66° 54.1′ W	**Fl.(2)W.** period 16s fl. 1s, ec. 4s fl. 1s, ec. 10s	26 **8**	6	White concrete framework tower, red bands; 23.	
2710.09 *G 1298*	-Isla Gardiner.	55° 00.5′ S 66° 55.5′ W	**Fl.(4)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	62 **19**	7	White fiberglass tower, red band; 20.	Visible 116°-290°.
2710.12 *G 1296*	-Punta Moat. (A.)	55° 00.2′ S 66° 43.0′ W	**Fl.W.** period 8s fl. 1s, ec. 7s		8	Metal framework tower, yellow bands, black rectangular daymark; 39.	
2710.16 *G 1294*	-Punta Waller, Isla Nueva.	55° 10.4′ S 66° 33.3′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	39 **12**	13	White fiberglass tower, red band; 20.	Visible 060°-262°.
	PASO PICTON:						
2710.5 *G 1303*	-Puerto Toro.	55° 04.7′ S 67° 03.9′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	23 **7**	6	White fiberglass tower, red band; 13.	Visible 121°-329°.
2711 *G 1295*	-Isla Nueva, Cabo Graham.	55° 16.6′ S 66° 31.2′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	886 **270**	14	White fiberglass tower, red band; 13.	Visible 210°-060°.
2711.4 *G 1295.2*	Isla Epave.	55° 47.9′ S 67° 22.5′ W	**Fl.R.** period 10s fl. 1s, ec. 9s	16 **5**	6	STARBOARD (B) R, tower, topmark; 11.	Visible 093°-295°.
2711.6 *G 1295.4*	Rocas Gonzalez.	55° 48.0′ S 67° 19.0′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	20 **6**	4	STARBOARD (B) R, tower, topmark; 11.	
2712 *G 1336*	Cabo de Hornos (Cape Horn), on southern extremity of Isla Hornos.	55° 58.7′ S 67° 15.7′ W	**Fl.W.** period 12s fl. 0.5s, ec. 11.5s	132 **40**	7	White fiberglass tower, red band; 13.	Visible 249°-080°.
2713 *G 1336.5*	Monumental (Isla Hornos).	55° 57.9′ S 67° 13.3′ W	**Fl.W.** period 5s fl. 0.7s, ec. 4.3s	202 **62**	12	White round iron tower, red band; 38.	Visible 127°-056°.
	RACON		**N(– •)** period 60s fl. 15s, ec. 45s	187 **57**	**15**		Azimuth coverage 127°-056°. (3 & 10cm).
2714 *G 1295.5*	Paso del Mar.	55° 52.8′ S 67° 11.0′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	98 **30**	4	White metal pillar, green top, green square daymark; 7.	Visible 155°-345°.
2718 *G 1338*	**Islas Diego Ramirez.**	56° 31.3′ S 68° 43.4′ W	**Fl.W.** period 15s fl. 0.4s, ec. 14.6s	354 **108**	**22**	White fiberglass tower, red band; 16.	Visible 176°-088° and 094°-150°.

Section 3

Antarctica and South Pacific Islands
Including New Hebrides and New Caledonia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ANTARCTICA				
	SOUTH SHETLAND ISLANDS:						
2720 *G 1388*	-King George Island, Ardley Island.	62° 12.6′ S 58° 55.6′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	148 **45**	6	Orange round tower, truncated conical tower, black bands; 20.	
2720.5 *G 1388.2*	-Clarence Island, Cape Lloyd.	61° 07.8′ S 54° 00.1′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	371 **113**	5	White fiberglass tower, red bands; 11.	
2721 *G 1387.9*	-Ardley Cove.	62° 12.1′ S 58° 57.5′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	16 **5**	6	White fiberglass tower, red band; 10.	Visible 256°-287°. Shown Nov. to Mar.
2722 *G 1387.8*	-Suffield Point.	62° 11.3′ S 58° 54.4′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	171 **52**	6	White aluminum truncated pyramid, red band; 16.	Shown Nov. to Mar.
2724 *G 1387.6*	-Tiniente Camara.	62° 14.4′ S 58° 40.7′ W	**Fl.W.** period 10s fl. 0.4s, ec. 9.6s	59 **18**	6	Black tower, yellow bands; 36.	**Radar reflector.**
2725 *G 1387.7*	-Potters Bay.	62° 14.3′ S 58° 39.6′ W	**Fl.W.** period 7s	33 **10**	3	Yellow round truncated conical fiberglass tower, orange bands; 23.	
2728 *G 1387.4*	-Point Thomas.	62° 09.5′ S 58° 28.0′ W	**L.Fl.W.** period 9s fl. 3s, ec. 6s	58 **18**	8	White tower, red bands, balcony.	
2729 *G 1387.5*	-Martel Inlet.	62° 05.0′ S 58° 23.7′ W	**Iso.R.** period 2s	46 **14**	10	White rectangular daymark, red band; 13.	Visible 188°-000°.
2730	**-Nelson Island,** RACON.	62° 18.4′ S 59° 12.8′ W	**O(– – –)** period 48s		**18**		
2732 *G 1386*	Robert Island, Edwards Point.	62° 27.5′ S 59° 30.2′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	82 **25**	7	Yellow tower, orange bands; 23.	Visible 256°-118°. Shown Nov. to May.
2733 *G 1383.5*	Pedro Vicente Maldonado Range, front, PVM1.	62° 26.7′ S 59° 44.3′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	30 **9**	6	White beacon, yellow topmark, black stripe.	
2733.5 *G 1383.51*	-Rear, PVM2, 38 meters 148° from front.	62° 26.9′ S 59° 44.5′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	39 **12**	6	White beacon, yellow topmark, black stripe.	
2736 *G 1384*	-Fort William.	62° 22.2′ S 59° 43.4′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	5	White fiberglass tower, red band; 10.	Visible 320°-165°. Shown Nov. to May.
2743 *G 1383*	Surgidero Iquique.	62° 58.2′ S 60° 42.6′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	374 **114**	5	White tower, orange band; 15.	
2744 *G 1381*	Deception Island, Grumete Beacon.	62° 58.7′ S 60° 39.7′ W	**Fl.W.** period 8s fl. 0.5s, ec. 7.5s	341 **104**	5	Green round fiberglass tower; 10.	
2745 *G 1382*	Punta Collins.	62° 59.8′ S 60° 35.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	33 **10**	6	White fiberglass tower, red band; 10.	Visible 120°-271°.
	HOPE BAY:						
2756 *G 1389*	-Grunden Rock, S. side.	63° 23.8′ S 56° 58.4′ W	**Fl.W.** period 2s fl. 0.5s, ec. 1.5s	85 **26**	6	Red round tower, black bands; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ANTARCTICA				
2760 *G 1389.2*	-Rocas Denticuladas Range, front.	63° 23.8′ S 56° 59.4′ W	**Iso.W.** period 2s	39 **12**	5	Green column, yellow top, black triangular daymark point up; 10.	
2764 *G 1389.21*	--Rear, 290 meters 214° from front.	63° 24.0′ S 56° 59.6′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	46 **14**	10	Green column, yellow top, black triangular daymark point down; 10.	
2766	Barrios Island, RACON.	63° 19.1′ S 57° 57.2′ W	**M(– –)**		10		(3 & 10cm).
2768 *G 1395*	Bell Island.	64° 16.4′ S 61° 59.2′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	184 **56**	6	White fiberglass tower, red band; 10.	Visible 130°-040°.
2784 *G 1398*	Condell, N. extremity of Lautaro Island.	64° 49.0′ S 63° 05.5′ W	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	59 **18**	6	White fiberglass tower, red band; 10.	Visible 047°-327°.
2788 *G 1399.4*	Doumer Island, Py Point.	64° 52.7′ S 63° 35.6′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	233 **71**	5	Red framework tower; 35.	
2792 *G 1400*	Buenos Aires (Prevot Island).	64° 53.3′ S 63° 56.8′ W	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	120 **37**	5	Square metal framework tower; 20.	
2793 *G 1401*	Cape Renard.	65° 01.4′ S 63° 45.8′ W	**Fl.W.** period 10s fl. 0.7s, ec. 9.3s	23 **7**	5	White fiberglass tower, red band; 10.	Visible 092°-270°.
2794	Avian Island, RACON.	67° 46.7′ S 68° 53.9′ W	**B(– • • •)**		10		Azimuth coverage 085°-315° (3 & 10cm).
2795 *G 1401.7*	San Martin.	68° 11.8′ S 67° 09.3′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	59 **18**	9	Red round fiberglass tower, black top; 13.	
			SOUTH PACIFIC ISLANDS				
	ILES TUAMOTU:						
	-Iles Gambier						
2799.7 *K 5006.4*	--Ile Aukena Range, front.	23° 08.4′ S 134° 55.0′ W	**Iso.G.** period 4s	20 **6**	6	White and red column; 20.	
2799.71 *K 5006.41*	---Rear, 940 meters 086°30′ from front.	23° 08.4′ S 134° 54.4′ W	**Iso.G.** period 4s	59 **18**	6	White column, red bands; 59.	
2799.87 *K 5006.65*	--Mitirapa.	23° 07.2′ S 134° 56.7′ W	**V.Q.(9)W.** period 10s	16 **5**	3	W. CARDINAL YBY, beacon, topmark; 29.	
2799.9 *K 5006.7*	--Pointe Kureru Range, front.	23° 06.1′ S 134° 57.1′ W	**Fl.G.** period 4s fl. 1s, ec. 3s	20 **6**	6	White column, concrete base, white square daymark; 23.	
2799.91 *K 5006.71*	---Rear, 400 meters 005°10′ from front.	23° 05.9′ S 134° 57.0′ W	**Fl.G.** period 4s fl. 1s, ec. 3s	36 **11**	6	White column, concrete base, white square daymark; 39.	
	-Ile Hoa:						
2812 *K 5008.2*	**--Passe Kaki,** E. side.	18° 04.2′ S 141° 00.0′ W	**Fl.(2)W.** period 10s	66 **20**	**18**	Red metal column, white bands; 66.	
	-Hikueru Atoll:						
2812.5 *K 5004.86*	**--Tupatapi,** NW.	17° 32.6′ S 142° 40.2′ W	**Fl.W.** period 5s	59 **18**	**18**	White metal column, red bands; 59.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			SOUTH PACIFIC ISLANDS				
	-Faaite:						
2813 *K 5003.1*	--Patatihi Reef.	16° 42.3′ S 145° 20.9′ W	**Q.(6)W.+L.Fl.W.** period 15s	10 **3**	4	S. CARDINAL YB, beacon, topmark; 19.	
2813.5 *K 5003.2*	---Tetaparia.	16° 42.0′ S 145° 20.6′ W	**Q.R.**	10 **3**	3	PORT (A) R, beacon, topmark; 19.	
2813.7 *K 5003.3*	---Peruhea.	16° 41.7′ S 145° 20.2′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	3	PORT (A) R, beacon, topmark; 19.	
2813.9 *K 5003.4*	---Teavatika.	16° 41.6′ S 145° 20.1′ W	**Q.W.**	10 **3**	4	N. CARDINAL BY, beacon, topmark; 19.	
2814 *K 5002*	--Passe Teporioha Range, front.	16° 42.1′ S 145° 21.1′ W	**Fl.R.** period 4s fl. 1s, ec. 3s	20 **6**	3	White metal column; 23.	
2814.5 *K 5002.1*	---Rear, 200 meters 119° from front.	16° 42.1′ S 145° 21.1′ W	**Fl.R.** period 4s fl. 1s, ec. 3s	39 **12**	5	White metal column; 39.	Synchronized with front.
2815 *K 5003*	--Hitianu Village.	16° 42.0′ S 145° 21.2′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	5	PORT (A) R, beacon, topmark; 20.	
	-Makemo:						
2816 *K 5004*	**--Pouheva.**	16° 37.6′ S 143° 34.4′ W	**Fl.W.** period 5s fl. 0.2s, ec. 4.8s	83 **25**	**18**	White and red column, tower; 75.	
	-Fakarava:						
2816.8 *K 5000.4*	**--Torea.**	16° 04.0′ S 145° 41.6′ W	**Fl.W.** period 5s	98 **30**	**19**	Red and white column; 92.	
2817 *K 5000.6*	--Passe Garuae.	16° 05.0′ S 145° 43.3′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	23 **7**	5	STARBOARD (A) G, beacon, topmark; 30.	
2817.1 *K 5001*	Haut-fond.	16° 03.9′ S 145° 38.4′ W	**Fl.R.** period 4s fl. 1s, ec. 3s	16 **5**	4	PORT (A) R, beacon, topmark; 39.	
2817.2 *K 5001.2*	Recif Kopuapiro.	16° 03.7′ S 145° 37.3′ W	**Q.W.**	10 **3**	4	N. CARDINAL BY, beacon, topmark; 13.	Channel between Rotoava Anchorage and Tumakohua Pass marked by lighted lateral beacons.
2817.4 *K 5001.36*	--Passe Tumakohua Range, front.	16° 30.8′ S 145° 27.9′ W	**Iso.R.** period 4s	20 **6**	3	Red and white column; 23.	
2817.41 *K 5001.38*	---Rear, 150 meters 336°24′ from front.	16° 30.7′ S 145° 27.9′ W	**Iso.R.** period 4s	26 **8**	3	Red and white column; 26.	
2817.5 *K 5001.4*	--SW.	16° 30.6′ S 145° 27.8′ W	**Q.G.**	10 **3**	3	STARBOARD (A) G, beacon, topmark; 17.	
2817.55 *K 5001.6*	--N.	16° 30.3′ S 145° 27.8′ W	**Q.W.**	20 **6**	4	N. CARDINAL BY, beacon, topmark; 20.	
	-Raroia Atoll:						
2817.6 *K 5004.76*	--Ngarumaova channel.	16° 01.5′ S 142° 27.5′ W	**Q.G.**	13 **4**	4	STARBOARD (A) G, beacon, topmark; 16.	
2817.7 *K 5001.7*	--Arikitamiro Pass.	15° 56.9′ S 145° 10.8′ W	**Iso.R.** period 4s		6	PORT (A) R, beacon, topmark; 33.	
2817.75 *K 5001.72*	--Motu Toetoe.	15° 51.8′ S 145° 07.4′ W	**Fl.G.** period 4s	26 **8**	7	STARBOARD (A) G, beacon, topmark; 33.	
2817.8 *K 5001.74*	--Au NW.	15° 50.7′ S 145° 07.8′ W	**Fl.R.** period 2.5s	13 **4**	5	PORT (A) R, beacon, topmark; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			SOUTH PACIFIC ISLANDS				
2817.85 *K 5001.76*	--Tearavero Village.	15° 49.5′ S 145° 07.0′ W	**Fl.R.** period 2.5s	13 **4**	4	PORT (A) R, beacon, topmark; 20.	
	-Katiu Atoll:						
2817.9 *K 5003.7*	--Passe Pakata Range, front.	16° 22.2′ S 144° 21.3′ W	**Iso.R.** period 4s	20 **6**	3	Red and white pylon; 23.	
2817.91 *K 5003.71*	---Rear, 90 meters 192°36′ from front.	16° 22.3′ S 144° 21.3′ W	**Iso.R.** period 4s	33 **10**	3	Red pylon, white band; 36.	Synchronized with front.
2817.94 *K 5003.8*	--NE.	16° 22.0′ S 144° 21.2′ W	**Q.R.**	13 **4**	2	PORT (A) R, beacon, topmark; 20.	
2817.95 *K 5003.85*	--S.	16° 22.1′ S 144° 21.2′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	3	PORT (A) R, beacon, topmark; 20.	
	-Toau Atoll:						
2817.96 *K 5000.2*	--Passe Otugi Range, front.	15° 55.8′ S 145° 55.0′ W	**Iso.R.** period 4s	20 **6**	6	White beacon, green top; 20.	
2817.97 *K 5000.21*	---Rear, 130 meters 242°48′ from front.	15° 55.9′ S 145° 55.1′ W	**Iso.R.** period 4s	33 **10**	6	White beacon, green top; 37.	Synchronized with front.
2817.98 *K 5000.3*	--Passe Tehere Range, front.	15° 48.2′ S 146° 09.0′ W	**Fl.G.** period 4s fl. 1s, ec. 3s	20 **6**	6	White beacon, green top; 23.	
2817.99 *K 5000.31*	---Rear, 100°48′ from front.	15° 48.2′ S 146° 08.9′ W	**Fl.G.** period 4s fl. 1s, ec. 3s	26 **8**	6	White beacon, green top; 29.	Synchronized with front.
	-Rangiroa:						
2818 *K 4988*	**--Mota Maherehonae.**	14° 55.5′ S 147° 51.2′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	98 **30**	**20**	White pylon; 92.	
2820 *K 4993*	--Passe Tiputa Range, front.	14° 58.0′ S 147° 38.2′ W	**Iso.G.** period 4s	33 **10**	5	White beacon; 33.	
2824 *K 4993.1*	---Rear, 140 meters 216° from front.	14° 58.9′ S 147° 38.2′ W	**Iso.G.** period 4s	46 **14**	5	White beacon; 49.	
2828 *K 4994*	--Tiputa Village.	14° 58.8′ S 147° 37.8′ W	**Q.R.**	13 **4**	2	PORT (A) R, beacon, topmark; 20.	
2832 *K 4990*	--Passe Avatoru Range, front.	14° 56.5′ S 147° 42.6′ W	**Iso.W.** period 4s	33 **10**	6	White beacon; 36.	
2836 *K 4990.1*	---Rear, 150 meters 172°36′ from front.	14° 56.6′ S 147° 42.6′ W	**Iso.W.** period 4s	33 **10**	6	White beacon; 49.	
2840 *K 4992*	--Avatoru Village.	14° 56.9′ S 147° 42.7′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	3	PORT (A) R, beacon, topmark; 20.	
	-Ahe Atoll:						
2841 *K 4998.52*	--Passe Tiareroa.	14° 27.5′ S 146° 21.4′ W	**Iso.R.** period 4s	20 **6**	6	PORT (A) R, beacon, topmark; 23.	
2841.1 *K 4998.53*	--Motu Rahokoro.	14° 27.6′ S 146° 20.5′ W	**V.Q.(6)+L.Fl.W.** period 10s	13 **4**	4	S. CARDINAL YB, beacon, topmark; 17.	
2841.11 *K 4998.54*	---Poripare.	14° 28.2′ S 146° 21.3′ W	**Fl.G.** period 2.5s	10 **3**	5	STARBOARD (A) G, beacon, topmark; 16.	
2841.12 *K 4998.55*	---Kamoka.	14° 29.2′ S 146° 21.3′ W	**Fl.R.** period 2.5s	10 **3**	4	PORT (A) R, beacon, topmark; 16.	

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			SOUTH PACIFIC ISLANDS				
2841.13 *K 4998.56*	---Ro.	14° 30.0′ S 146° 21.3′ W	**Q.(9)W.** period 15s	16 **5**	4	W. CARDINAL YBY, beacon, topmark; 19.	
2841.14 *K 4998.57*	--Tenukupara Village.	14° 31.5′ S 146° 21.5′ W	**Fl.R.** period 2.5s	16 **5**	4	PORT (A) R, beacon, topmark; 19.	
2841.15 *K 4998.58*	---Anchorage.	14° 31.8′ S 146° 21.6′ W	**Q.G.**	10 **3**	4	STARBOARD (A) G, beacon, topmark; 16.	
2841.16 *K 4998.59*	---Wharf.	14° 32.3′ S 146° 21.5′ W	**Fl.(2)G.** period 4s	10 **3**	5	STARBOARD (A) G, beacon, topmark; 19.	
2841.17 *K 4998.6*	----N.	14° 32.2′ S 146° 21.5′ W	**Q.R.**	13 **4**	4	PORT (A) R, beacon, topmark; 19.	
2841.18 *K 4998.61*	--Motu Tamarahi.	14° 27.3′ S 146° 19.5′ W	**Q.G.**	16 **5**	4	STARBOARD (A) G, beacon, topmark; 23.	
2841.19 *K 4998.62*	---Terekia.	14° 26.9′ S 146° 17.2′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	16 **5**	5	STARBOARD (A) G, beacon, topmark; 19.	
2841.2 *K 4998.63*	---Rokati.	14° 26.5′ S 146° 16.0′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	4	PORT (A) R, beacon, topmark; 19.	
2841.21 *K 4998.64*	---Pirake Keke.	14° 26.3′ S 146° 15.6′ W	**Q.R.**	13 **4**	4	PORT (A) R, beacon, topmark; 19.	
	ILES AUSTRALES:						
	-Tubai:						
2842 *K 5020*	--Passe de Te Ara Moana Range, front.	23° 21.0′ S 149° 30.2′ W	**Iso.G.** period 4s	20 **6**	6	White beacon, red bands; 20.	
2842.5 *K 5020.1*	---Rear, 144 meters 156° from front.	23° 21.0′ S 149° 30.2′ W	**Iso.G.** period 4s	33 **10**	4	White beacon, red band; 33.	Synchronized with front.
	-Raivavae:						
2843 *K 5025*	--Passe Mohanaton Ledge Range, front.	23° 51.5′ S 147° 40.2′ W	**Iso.R.** period 4s	56 **17**	6	Red pylon, white band; 46.	
2843.5 *K 5025.1*	---Rear, 300 meters 167°18′ from front.	23° 51.7′ S 147° 40.2′ W	**Iso.R.** period 4s	112 **34**	6	Column, red stripe, white rectangular daymark; 16.	Synchronized with front.
	ILES MARQUISES:						
2844 *K 5058*	-Hiva Oa, Atuona, Baie Taaoa.	9° 48.5′ S 139° 02.2′ W	**Fl.W.R.G.** period 2.5s fl. 0.5s, ec. 2s	157 **48**	W. 7 R. 5 G. 5	White tower; 10.	G. 313°30′-332°30′, W.-339°30′, R.-358°30′.
2848 *K 5060*	--Taa Huku Bay.	9° 48.5′ S 139° 01.1′ W	**Q.G.**	23 **7**	2	Green pylon; 10.	
2850 *K 5057*	-Baie de Vaipaee Pointe Matatehotu, Ua-Huka.	8° 56.5′ S 139° 34.1′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	30 **9**	5	Green beacon; 16.	
2856 *K 5052*	--Fort Collet.	8° 54.9′ S 140° 05.7′ W	**Iso.R.** period 2s	112 **34**	6	White column, red bands, dwelling; 20.	
	ILES DE LA SOCIETE (F.):						
	-Tahiti:						
2860 *K 4952*	**--Pointe Venus.**	17° 29.7′ S 149° 29.7′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	102 **31**	**27**	White tower; 108.	
2862 *K 4952.25*	--Passe d' Arue.	17° 31.2′ S 149° 31.5′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	16 **5**	5	STARBOARD (A) G, beacon, topmark; 26.	

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			SOUTH PACIFIC ISLANDS				
2863 *K 4952.7*	--Passe de Taunoa Range, front.	17° 31.5′ S 149° 33.1′ W	**Iso.R.** period 4s	26 **8**	6	White pylon, red bands; 26.	
2863.5 *K 4952.71*	---Rear, 126 meters 173°42′ from front.	17° 31.5′ S 149° 33.1′ W	**Iso.R.** period 4s	43 **13**	6	White pylon, red bands; 39.	Synchronized with front.
2863.8 *K 4952.8*	--Pointe Iriti.	17° 31.3′ S 149° 32.8′ W	**V.Q.(6)+L.Fl.W.** period 10s	13 **4**	4	S. CARDINAL YB, beacon, topmark; 16.	
2864 *K 4953*	---Beacon.	17° 31.2′ S 149° 33.2′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	16 **5**	5	STARBOARD (A) G, beacon, topmark; 13.	
2868 *K 4953.4*	---Beacon.	17° 31.4′ S 149° 33.3′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	3	PORT (A) R, beacon, topmark; 13.	
2872 *K 4953.8*	---Beacon.	17° 31.4′ S 149° 33.5′ W	**Q.G.**	13 **4**	3	STARBOARD (A) G, beacon, topmark; 16.	
2876 *K 4954*	---Beacon.	17° 31.4′ S 149° 33.6′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	3	STARBOARD (A) G, beacon, topmark; 16.	
2880 *K 4954.2*	---Beacon.	17° 31.4′ S 149° 33.9′ W	**Q.R.**	16 **5**	3	PORT (A) R, beacon, topmark; 19.	
2882 *K 4954.4*	---Beacon.	17° 31.5′ S 149° 34.1′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	3	PORT (A) R, beacon, topmark; 16.	
2884 *K 4956*	--Tipaerui Range, front.	17° 32.6′ S 149° 34.8′ W	**Oc.(2)G.** period 8s lt. 1s, ec. 2s lt. 3s, ec. 2s	75 **23**	8	White column, red bands, white square daymark; 59.	Visible 012°-282°. Range lights lead through Papeete Pass.
2888 *K 4956.1*	---Rear, 222 meters 148°30′ from front.	17° 32.8′ S 149° 34.7′ W	**Oc.(2)G.** period 8s lt. 1s, ec. 2s lt. 3s, ec. 2s	112 **34**	8	White column, red bands, white square daymark; 98.	Visible 012°-282°. Synchronized with front.
2889 *K 4963*	--Fara Ute Range, front.	17° 32.0′ S 149° 34.3′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	52 **16**	5	White metal column, red bands, white rectangular daymark; 52.	
2890 *K 4963.1*	---Rear, 110 meters 026°24′ from front.	17° 32.0′ S 149° 34.2′ W	**Fl.R.** period 3s fl. 1s, ec. 2s	66 **20**	5	White metal column, red bands, white rectangular daymark; 66.	
2892 *K 4962*	--Papeete Inner Range, front.	17° 32.4′ S 149° 34.3′ W	**Oc.G.** period 4s lt. 3s, ec. 1s	56 **17**	5	White metal column, red bands, white rectangular daymark; 30.	
2896 *K 4962.1*	---Rear, 60 meters 087°36′ from front.	17° 32.4′ S 149° 34.3′ W	**Oc.G.** period 4s lt. 3s, ec. 1s	69 **21**	5	White metal column, red bands, white rectangular daymark; 62.	Synchronized with front.
2900 *K 4958*	--Papeete Harbor, A1, E. side of Recif Soaotoi.	17° 32.5′ S 149° 35.1′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	19 **6**	4	STARBOARD (A) G, beacon, topmark; 13.	
2904 *K 4958.3*	--S. side of Recif Soatoi.	17° 32.5′ S 149° 35.1′ W	**V.Q.(6)+L.Fl.W.** period 10s	10 **3**	4	S. CARDINAL YB, beacon, topmark.	
2908 *K 4964*	--Chenal de Faa.	17° 32.6′ S 149° 35.3′ W	**Q.G.**	13 **4**	3	STARBOARD (A) G, beacon, topmark; 20.	
2916 *K 4964.3*	--Chenal de Faa.	17° 32.7′ S 149° 35.9′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	16 **5**	5	PORT (A) R, beacon, topmark; 20.	
2920 *K 4959*	---A2, on reef.	17° 32.3′ S 149° 34.9′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	19 **6**	4	PORT (A) R, beacon, topmark; 26.	
2922 *K 4958.6*	----N.	17° 32.2′ S 149° 34.9′ W	**Q.W.**	13 **4**	3	N. CARDINAL BY, beacon, topmark.	
2924 *K 4964.51*	--Pointe Faaa, NW.	17° 33.1′ S 149° 37.9′ W	**Fl.(2)G.** period 6s	43 **13**	7	White pylon; 46.	

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2925 *K 4964.65*	--Chenal de Faa.	17° 33.8′ S 149° 37.3′ W	**Iso.G.** period 4s	13 **4**	3	STARBOARD (A) G, beacon, topmark; 10.	
2926 *K 4965.2*	--Chenal de Faa.	17° 35.4′ S 149° 37.0′ W	**Q.R.**	13 **4**	3	Red beacon, red square daymark; 23.	
2926.3 *K 4964.25*	---N.	17° 32.6′ S 149° 35.7′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	3	STARBOARD (A) G, beacon, topmark; 20.	
2933 *K 4966.8*	--Passe de Papeiri Range, front.	17° 42.9′ S 149° 18.6′ W	**Iso.W.** period 4s	312 **95**	8	Red and white column; 20.	
2933.1 *K 4966.81*	---Rear, 160 meters 242°42′ from front.	17° 43.0′ S 149° 18.6′ W	**Iso.W.** period 4s	371 **113**	8	Column, white rectangular daymark, red stripe; 7.	
2935 *K 4966.9*	--Taravao.	17° 43.2′ S 149° 18.3′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	7 **2**	3	STARBOARD (A) G, beacon, topmark; 16.	
2936 *K 4966*	--Mouillage de Vairoa Range, front.	17° 47.4′ S 149° 17.3′ W	**Fl.R.** period 4s fl. 1s, ec. 3s	236 **72**	8	Pylon, white rectangular daymark; 39.	
2940 *K 4966.001*	---Rear, 106 meters 057° from front.	17° 47.4′ S 149° 17.8′ W	**Fl.R.** period 4s fl. 1s, ec. 3s	285 **87**	8	White rectangular daymark; 13.	Synchronized with front.
2940.5 *K 4967*	--Boudeuse Pass, S. side.	17° 36.5′ S 149° 17.8′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	5	PORT (A) R, beacon, topmark; 23.	
	-Huahine:						
2944 *K 4969*	--Avamoa Pass Range, front.	16° 43.0′ S 151° 02.0′ W	**Iso.G.** period 4s	105 **32**	6	White column, red bands, white rectangular daymark; 49.	Visible on range line only.
2948 *K 4969.1*	---Rear, 180 meters 126°18′ from front.	16° 43.2′ S 151° 01.7′ W	**Iso.G.** period 4s	131 **40**	5	White column, red bands, white rectangular daymark; 49.	Visible on range line only. Synchronized with front.
2948.4 *K 4969.35*	--S. side.	16° 42.8′ S 151° 02.4′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	17 **5**	5	STARBOARD (A) G, beacon, topmark; 27.	
2948.6 *K 4969.4*	--S. side.	16° 43.0′ S 151° 02.3′ W	**Fl.G.** period 4s fl. 1s, ec. 3s	14 **4**	3	STARBOARD (A) G, beacon, topmark; 23.	
2948.8 *K 4969.45*	--Beacon.	16° 43.1′ S 151° 02.1′ W	**Q.(3)W.** period 10s	14 **4**	4	E. CARDINAL BYB, beacon, topmark.	
2949 *K 4969.48*	--Point Ofaiorio, NW.	16° 43.2′ S 151° 02.1′ W	**Q.G.**	10 **3**	3	STARBOARD (A) G, beacon, topmark; 40.	
2949.2 *K 4969.5*	--Avapehi Pass, front.	16° 43.6′ S 151° 02.2′ W	**Oc.G.** period 4s lt. 3s, ec. 1s	43 **13**	6	Green pylon, white top; 50.	
2949.4 *K 4969.51*	---Rear, 180 meters 094°30′ from front.	16° 43.6′ S 151° 02.1′ W	**Oc.G.** period 4s	69 **21**	6	White rectangular daymark; 10.	Synchronized with front.
2949.6 *K 4969.6*	--S. side.	16° 43.7′ S 151° 02.8′ W	**Fl.G.** period 4s fl. 1s, ec. 3s	17 **5**	5	STARBOARD (A) G, beacon, topmark; 30.	
2949.8 *K 4969.65*	--N. side.	16° 43.6′ S 151° 02.5′ W	**V.Q.(6)+L.Fl.W.** period 10s	10 **3**	4	S. CARDINAL YB, beacon, topmark; 40.	
2951 *K 4969.7*	--Farerea Pass Range, front.	16° 44.9′ S 150° 58.8′ W	**Iso.G.** period 4s	23 **7**	6	Green metal pylon, white top; 30.	
2951.1 *K 4969.71*	---Rear, 385 meters 262°30′ from front.	16° 44.9′ S 150° 58.8′ W	**Iso.G.** period 4s	52 **16**	6	Green metal pylon, white top; 49.	
	-Raiatea:						
2952 *K 4970*	--N. Pass Range, front.	16° 44.7′ S 151° 26.2′ W	**Oc.R.** period 4s lt. 3s, ec. 1s	62 **19**	7	Red column, white bands; 69.	

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2956 *K 4970.1*	---Rear, 280 meters 268.9° from front.	16° 44.6′ S 151° 26.2′ W	**Oc.R.** period 4s lt. 3s, ec. 1s	102 **31**	7	Red column, white bands on truncated pyramidal base; 36.	Synchronized with front.
2957 *K 4970.3*	--Ile Ofetaro, N. end.	16° 44.6′ S 151° 25.2′ W	**Q.G.**	16 **5**	5	Green beacon, green square daymark; 26.	
2958 *K 4970.5*	--Beacon.	16° 44.5′ S 151° 25.3′ W	**Iso.R.** period 3s	16 **5**	4	PORT (A) R, beacon, topmark; 20.	
2959 *K 4970.4*	--Ile Taoru, S. end.	16° 44.7′ S 151° 25.3′ W	**Iso.R.** period 3s	16 **5**	4	PORT (A) R, beacon, topmark; 20.	
2959.5 *K 4970.7*	--Pointe Tonoi, NE.	16° 44.1′ S 151° 25.8′ W	**Iso.G.** period 3s	16 **5**	5	STARBOARD (A) G, beacon, topmark; 13.	
2968 *K 4971.55*	**--Pointe Motutapu** AVIATION LIGHT.	16° 43.5′ S 151° 27.6′ W	**U.Q.(5)W.** period 12s	33 **10**	**30**	Pylon.	F.R. on Mount Tapioi 1 mile SE. 2 F.R. 0.5 mile SW. Occasional.
2968.5 *K 4971.3*	--Beacon.	16° 43.6′ S 151° 26.1′ W	**Fl.(2)G.** period 6s	16 **5**	5	STARBOARD (A) G, beacon, topmark; 16.	
2969 *K 4971.32*	--Pointe Ofaiputuputu.	16° 43.4′ S 151° 26.5′ W	**Q.W.**	10 **3**	5	N. CARDINAL BY, beacon, topmark; 30.	
2969.5 *K 4971.33*	--N.	16° 43.2′ S 151° 26.8′ W	**Oc.(2)Y.** period 6s	10 **3**	5	SPECIAL Y, beacon, "X" topmark; 30.	
2970 *K 4971.34*	--Passage Tearearahi.	16° 42.7′ S 151° 27.5′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	5	STARBOARD (A) G, beacon, topmark; 20.	
2970.5 *K 4971.36*	--Beacon.	16° 42.9′ S 151° 27.8′ W	**Q.W.**	10 **3**	4	N. CARDINAL BY, beacon, topmark; 16.	
2971 *K 4971.4*	--Teruaheve Reef, E. passage, E. side.	16° 42.5′ S 151° 27.6′ W	**Fl.G.** period 4s fl. 1s, ec. 3s	16 **5**	5	STARBOARD (A) G, beacon, topmark; 26.	
2972 *K 4971.5*	--Rautoanui Passage Range, front.	16° 45.5′ S 151° 29.5′ W	**Fl.G.** period 2.5s	13 **4**	5	White metal column; 16.	
2976 *K 4971.51*	---Rear, 129 meters 083°30′ from front.	16° 45.5′ S 151° 29.4′ W	**Fl.G.** period 2.5s	33 **10**	5	White metal column; 33.	Synchronized with front.
2977 *K 4971.85*	--Pointe Tenape.	16° 44.7′ S 151° 29.3′ W	**Iso.R.** period 4s	13 **4**	5	PORT (A) R, beacon, topmark; 13.	
2977.5 *K 4971.65*	--Pointe Oporo.	16° 43.7′ S 151° 28.8′ W	**V.Q.(9)W.** period 10s	13 **4**	4	W. CARDINAL YBY, beacon, topmark; 20.	
	-Bora Bora:						
2982 *K 4982*	**--Pte. Te turi roa.**	16° 32.8′ S 151° 47.4′ W	**Fl.W.** period 5s	43 **13**	**15**	White pylon; 43.	
2984 *K 4982.6*	--Passe de Teavanui Range, front.	16° 30.2′ S 151° 45.2′ W	**Iso.R.** period 4s	26 **8**	5	White pylon, red bands; 26.	
2984.1 *K 4982.61*	---Rear, 200 meters 113°30′ from front.	16° 30.2′ S 151° 45.1′ W	**Iso.R.** period 4s	52 **16**	5	White pylon, red bands; 53.	Synchronized with front.
2986 *K 4982.9*	--No 5.	16° 30.3′ S 151° 45.7′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	7 **2**	5	STARBOARD (A) G, beacon, topmark; 30.	
2988 *K 4983.05*	--Vaitape.	16° 30.4′ S 151° 45.2′ W	**Fl.R.** period 2.5s	16 **5**	4	PORT (A) R, column, topmark; 20.	
2992 *K 4983*	--Pointe Pahua.	16° 29.7′ S 151° 45.8′ W	**Q.(9)W.** period 15s	10 **3**	4	W. CARDINAL YBY, beacon, topmark; 20.	
2996 *K 4983.4*	--Pointe Papuaa.	16° 27.8′ S 151° 45.4′ W	**Fl.G.** period 2.5s	10 **3**	5	STARBOARD (A) G, beacon, topmark; 20.	
3000 *K 4983.5*	--Motu Mute AVIATION LIGHT.	16° 26.6′ S 151° 45.3′ W	**Fl.(3+1)W.** period 12s	59 **18**		Tower; 49.	Occasional. **Aero Radiobeacon.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			SOUTH PACIFIC ISLANDS				
3001 *K 4983.7*	--Baie Taimou.	16° 27.9′ S 151° 43.9′ W	**Fl.R.** period 4s	10 **3**	3	PORT (A) R, beacon, topmark; 26.	
3001.1 *K 4983.78*	--Pointe Puhia.	16° 28.7′ S 151° 43.0′ W	**Q.R.**	7 **2**	3	PORT (A) R, beacon, topmark; 16.	
3001.2 *K 4983.74*	--NE.	16° 28.6′ S 151° 42.9′ W	**V.Q.(3)W.** period 5s	7 **2**	3	E. CARDINAL BYB, beacon, topmark; 16.	
3001.3 *K 4983.78*	--E.	16° 28.2′ S 151° 43.1′ W	**Q.R.**	7 **2**	3	PORT (A) R, beacon, topmark; 16.	
3001.4 *K 4983.76*	--ENE.	16° 28.6′ S 151° 42.9′ W	**Q.G.**	7 **2**	3	STARBOARD (A) G, beacon, topmark; 16.	
3002 *K 4984.2*	--Pointe Mohia.	16° 31.1′ S 151° 43.1′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	3	PORT (A) R, beacon, topmark; 16.	
3002.1 *K 4983.8*	--Tianoa.	16° 29.0′ S 151° 42.9′ W	**Fl.G.** period 4s fl. 1s, ec. 3s	10 **3**	3	STARBOARD (A) G, beacon, topmark; 16.	
3002.2 *K 4984*	--Tuiahora.	16° 29.5′ S 151° 42.7′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	3	STARBOARD (A) G, beacon, topmark; 16.	
3003 *K 4984.1*	--East Channel.	16° 29.8′ S 151° 42.6′ W	**V.Q.(9)W.** period 10s	10 **3**	5	W. CARDINAL YBY, beacon, topmark; 23.	
3006 *K 4967.5*	**-Tetiaroa Atoll.**	17° 02.9′ S 149° 32.9′ W	**Fl.(2)W.** period 10s	49 **15**	**15**	White pylon, red top; 49.	
	-Moorea:						
3008 *K 4968.2*	**--Pointe Aroa.**	17° 28.4′ S 149° 46.5′ W	**Fl.(4)W.** period 20s	75 **23**	**18**	White pylon; 72.	
3009 *K 4968*	--Pointe Paveau Range, front.	17° 29.3′ S 149° 49.1′ W	**Iso.R.** period 4s	26 **8**	4	White pylon; 26.	
3009.5 *K 4968.1*	---Rear, 143 meters 148°12′ from front.	17° 29.4′ S 149° 49.1′ W	**Iso.R.** period 4s	39 **12**	4	White pylon; 33.	Synchronized with front.
3015 *K 4968.13*	--Paopao Range, front.	17° 30.0′ S 149° 49.4′ W	**Iso.W.** period 4s	17 **5**	4	White pylon, red bands; 19.	
3015.5 *K 4968.14*	---Rear, 178 meters 191°12′ from front.	17° 30.1′ S 149° 49.4′ W	**Iso.W.** period 4s	29 **9**	4	White pylon, red bands; 33.	Synchronized with front.
3016 *K 4968.12*	--Beacon.	17° 29.8′ S 149° 49.1′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	13 **4**	4	PORT (A) R, beacon, topmark; 20.	
3018 *K 4968.15*	--Paopao.	17° 30.3′ S 149° 49.2′ W	**Q.R.**	16 **5**	4	PORT (A) R, column, topmark; 20.	
3020 *K 4968.3*	--Vaiare Range, front.	17° 31.4′ S 149° 46.4′ W	**Iso.R.** period 4s	26 **8**	7	White metal column, red top; 26.	
3021 *K 4968.31*	---Rear, 300 meters 272° from front.	17° 31.4′ S 149° 46.6′ W	**Iso.R.** period 4s	46 **14**	7	White metal column, red top; 49.	Synchronized with front.
3021.2 *K 4968.25*	--Point Ofairau.	17° 31.2′ S 149° 46.5′ W	**Q.G.**	16 **5**	4	STARBOARD (A) G, beacon, topmark; 20.	
3021.5 *K 4968.5*	--Passe Vaiare, N. side.	17° 31.4′ S 149° 45.8′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	20 **6**	5	STARBOARD (A) G, beacon, topmark; 23.	
3024 *K 4968.6*	---S. side.	17° 31.5′ S 149° 45.8′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	20 **6**	5	PORT (A) R, beacon, topmark; 26.	
3024.2 *K 4968.91*	--Passe Tareu Range, front.	17° 30.5′ S 149° 51.1′ W	**Fl.R.** period 4s	16 **5**	6	Pylon, white rectangular daymark; 23.	
3024.4 *K 4968.92*	---Rear, 200 meters 156°54′ from front.	17° 30.6′ S 149° 51.1′ W	**Fl.R.** period 4s	39 **12**	6	Pylon, white rectangular daymark; 46.	Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			SOUTH PACIFIC ISLANDS				
3025 *K 4968.4*	**--Pointe Paroa.**	17° 36.3′ S 149° 49.0′ W	**Fl.(3)W.** period 15s	43 **13**	**18**	White column, red band; 43.	
	COOK ISLANDS (N.Z.):						
	-Rarotonga:						
3038 *K 4551.5*	--Pokoinu AVIATION LIGHT.	21° 12.1′ S 159° 48.9′ W	**Fl.W.** period 4s			White concrete structure.	Occasional.
3052 *K 4552*	--Avarua Range, front.	21° 12.4′ S 159° 46.5′ W	**Oc.Bu.** period 8s		2	Orange triangular daymark point up.	
3056 *K 4552.1*	---Rear, 18 meters 177°44′ from front.	21° 12.4′ S 159° 46.5′ W	**Oc.Bu.** period 8s		2	Orange triangular daymark point down.	
3060 *K 4559*	--Avatiu Harbor Range, front.	21° 12.3′ S 159° 47.1′ W	**F.Bu.**	20 **6**	2	Orange triangular daymark point up; 30.	
3064 *K 4559.1*	---Rear, 50 meters 193°01′ from front.	21° 12.4′ S 159° 47.1′ W	**F.Bu.**	39 **12**	2	Orange triangular daymark point down; 39.	
3076 *K 4570*	-Aitutaki Atoll.	18° 50.3′ S 159° 46.8′ W	**Fl.(2)W.** period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 7s	423 **129**	7	Red and white framework tower; 16.	3 F.R. (vert.) 8M on tower 0.9 mile NNE. 3 F.R. (horiz.) 6M 1 mile NE.
3077 *K 4571*	--Arutunga Anchorage Range, front.	18° 51.9′ S 159° 48.0′ W	**F.R.**			White mast, red triangular daymark point up.	Occasional.
3077.1 *K 4571.1*	---Rear, 280 meters 145°49′ from front.	18° 52.0′ S 159° 47.9′ W	**F.R.**			White mast, red triangular daymark point up.	Occasional.
	SAMOA ISLANDS:						
	-Tutuila:						
	--Pago Pago Harbor:						
3088 *K 4576*	---Breaker Point, E. side of entrance.	14° 17.4′ S 170° 39.8′ W	**Fl.W.R.** period 6s	190 **58**	W. 8 R. 6	Column, black and white checkered diamond daymark; 27.	Red 150°-170°. Visible from channel between Tutuila Island and Aunuu Island into Pago Pago harbor.
3092 *K 4580*	---N. shore of Harbor Range, front.	14° 16.1′ S 170° 40.5′ W	**Q.R.**	36 **11**		Framework tower, red rectangular daymark, white stripe.	Visible 338°-346°.
3096 *K 4580.1*	----Rear, 231 meters 342° from front.	14° 16.0′ S 170° 40.5′ W	**Iso.R.** period 6s	184 **56**		Square structure, red rectangular daymark, white stripe; 10.	Visible 338°-346°.
	-Upolu:						
3108 *K 4594*	**--Fanuatapu.**	14° 00.0′ S 171° 22.8′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	209 **64**	**20**	Aluminum column; 10.	Visible 131°-052°.
	--Apia Harbor:						
3112 *K 4598*	---Range, front.	13° 49.8′ S 171° 46.0′ W	**Fl.G.**	54 **16**	10	White wooden tower, red bands; 54.	
3116 *K 4598.1*	----Rear, Mount Vaea Vorberg, 0.76 mile 194° from front.	13° 50.5′ S 171° 46.1′ W	**Fl.W.** period 3s	220 **67**	**20**	White metal tower, red bands; 20.	
3118 *K 4600*	---E. breakwater, head.	13° 49.5′ S 171° 45.8′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	31 **9**	5	White metal tower.	
3119 *K 4602*	---RoRo jetty, head.	13° 49.5′ S 171° 45.7′ W	**Fl.Y.** period 4s			Beacon.	
3120 *K 4603*	---Wharf, head.	13° 49.7′ S 171° 46.2′ W	**Fl.R.** period 4s	11 **3**	3	Post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			SOUTH PACIFIC ISLANDS				
3128 *K 4608*	--Malua, on reef.	13° 45.7′ S 171° 50.2′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	10 **3**	10	Square concrete tower; 10.	
3132 *K 4612*	--Mulifanua Range, front.	13° 48.9′ S 172° 02.3′ W	**L.Fl.W.** period 8s	18 **5**	6	White metal framework tower, red top; 20.	
3136 *K 4612.1*	---Rear, 0.18 mile 148° from front.	13° 49.0′ S 172° 02.2′ W	**F.W.** period 4s	26 **8**	6	White concrete column; 26.	
3138 *K 4613*	--Range, front.	13° 49.4′ S 172° 01.9′ W	**F.R.**	33 **10**		White metal column, red bands; 33.	
3139 *K 4613.1*	---Rear, 170 meters 129° from front.	13° 49.5′ S 172° 01.8′ W	**F.R.**	39 **12**		White metal column, red bands; 39.	
3139.5 *K 4613.5*	--Manono.	13° 49.9′ S 172° 06.7′ W	**Fl.R.** period 4s	13 **4**	3	ISOLATED DANGER BRB, beacon, topmark.	
3139.56 *K 4613.6*	---SE.	13° 50.5′ S 172° 05.5′ W	**Fl.W.** period 4s	16 **5**	6	SAFE WATER RW, beacon, topmark.	
3140 *K 4614*	**--Apolima.**	13° 48.8′ S 172° 08.5′ W	**Fl.(3)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	279 **85**	**20**	Round metal tower; 23.	Visible 020°-276°.
	-Savaii:						
3144 *K 4620*	--Salelologa Range, front.	13° 45.0′ S 172° 12.0′ W	**Fl.W.** period 2s	21 **6**	6	White concrete column.	
3148 *K 4620.1*	---Rear, 0.33 mile 312° from front.	13° 44.6′ S 172° 12.6′ W	**Iso.W.** period 4s	26 **8**	6	White concrete column.	
3150 *K 4620.5*	--On reef.	13° 44.5′ S 172° 12.6′ W	**L.Fl.R.** period 9s fl. 2s, ec. 7s	6 **2**	2	White concrete column.	
	ILES WALLIS:						
3152 *K 4760*	-Ile Uvea, Honikulu Pass Range, front.	13° 22.7′ S 176° 10.5′ W	**F.Bu.**	26 **8**	3	White column, white triangular daymark point up; 26.	
3152.1 *K 4760.1*	--Rear, 2.7 miles 032°18′ from front.	13° 20.4′ S 176° 09.0′ W	**Iso.W.** period 4s	322 **98**	8	Gray wall; 23.	
3152.3 *K 4760.35*	--No 2.	13° 23.2′ S 176° 10.9′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	5	PORT (A) R, beacon, topmark; 13.	
3152.4 *K 4760.5*	--No 3.	13° 23.1′ S 176° 10.7′ W	**Q.G.**	10 **3**	3	STARBOARD (A) G, beacon, topmark; 13.	
3153 *K 4760.7*	-Faioa Pass, No 6.	13° 22.0′ S 176° 08.7′ W	**L.Fl.R.** period 10s fl. 3s, ec. 7s	10 **3**	3	PORT (A) R, beacon, topmark; 13.	
3153.3 *K 4760.75*	--No 7.	13° 22.0′ S 176° 08.5′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	3	STARBOARD (A) G, beacon, topmark; 13.	
3153.6 *K 4760.8*	--No 10.	13° 21.6′ S 176° 08.3′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	3	PORT (A) R, beacon, topmark; 13.	
3154 *K 4760.9*	-Matalaa Anchorage, No 11.	13° 21.2′ S 176° 07.7′ W	**Q.G.**	10 **3**	3	STARBOARD (A) G, beacon, topmark.	
3154.5 *K 4761*	--No 16.	13° 20.7′ S 176° 07.5′ W	**Q.(3)W.** period 10s	10 **3**	4	E. CARDINAL BYB, beacon, topmark; 13.	
3155 *K 4761.2*	-Mata Utu Bay, No 18.	13° 19.9′ S 176° 07.3′ W	**Fl.(2)R.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	10 **3**	3	PORT (A) R, beacon, topmark; 13.	

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			SOUTH PACIFIC ISLANDS				
3155.2 *K 4761.3*	--No 20.	13° 18.8′ S 176° 07.5′ W	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	3	PORT (A) R, beacon, topmark; 13.	
3155.4 *K 4761.35*	--No 15.	13° 18.7′ S 176° 07.5′ W	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	3	STARBOARD (A) G, beacon, topmark; 13.	
3155.6 *K 4761.5*	--Anchorage, No 22.	13° 18.0′ S 176° 07.4′ W	**Q.(3)W.** period 10s	10 **3**	4	E. CARDINAL BYB, beacon, topmark; 13.	
3155.8 *K 4761.55*	--No 17.	13° 17.5′ S 176° 07.2′ W	**Fl.(2)G.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	10 **3**	3	STARBOARD (A) G, beacon, topmark; 13.	
	TONGA ISLANDS:						
	-Niue (Savage) Island:						
3170 *K 4622*	--Muitolo Point.	18° 37.9′ S 174° 04.5′ W	**L.Fl.W.** period 12s fl. 2s, ec. 10s	174 **53**	10	Aluminum tower; 30.	
	-Vavau Group:						
3172 *K 4623*	--Neiaiu Range, front.	18° 38.9′ S 173° 59.7′ W	**Q.R.**		4		
3176 *K 4623.1*	---Rear, 410 meters 065°30′ from front.	18° 38.9′ S 173° 59.7′ W	**Iso.R.** period 6s		4		
3180 *K 4624*	--Foiata.	18° 43.7′ S 174° 09.0′ W	**Q.(3)W.** period 10s	195 **59**	10	Red metal framework tower.	Visible 225°-072° and 106°154°.
	-Ha'Apai Group:						
3182 *K 4628*	--Ha'ano Island, Muitoa Point.	19° 39.8′ S 174° 18.1′ W	**Fl.(2)W.** period 10s	39 **12**	10	Framework tower; 30.	
3184 *K 4630*	--Lifuka, Hakau Muikuku.	19° 46.0′ S 174° 22.0′ W	**Fl.R.** period 6s	22 **7**	4	Metal mast, round concrete base; 22.	
3184.5 *K 4630.5*	--Hakau Mataleingale.	19° 47.0′ S 174° 21.7′ W	**Q.(3)G.** period 6s	20 **6**	4	Pile.	
3184.7 *K 4631*	--Pukefeo.	19° 47.3′ S 174° 21.6′ W	**Fl.W.** period 3s	20 **6**	4	Pile.	
3185 *K 4631.5*	--Hakau Vonu.	19° 48.1′ S 174° 21.6′ W	**Fl.G.** period 3s	20 **6**	4	Pile.	
3192 *K 4632*	--Hakau Loa, N. end.	19° 48.4′ S 174° 22.6′ W	**Fl.G.** period 5s	20 **6**	4	Pile.	
3194 *K 4635*	--Kito Reef, Uoleva Island.	19° 50.1′ S 174° 25.4′ W	**Fl.W.** period 5s	20 **6**	6	Pile.	
3194.2 *K 4636*	--Makuata Island.	19° 50.7′ S 174° 31.4′ W	**Fl.W.** period 10s	39 **12**	10	Framework tower; 30.	Visible 140°-100°.
3194.6 *K 4636.5*	--Tatafa Island.	19° 52.1′ S 174° 25.9′ W	**Fl.G.** period 5s	20 **6**	5	Pile.	
	-Lulunga Group:						
3197 *K 4637*	--Ha'afeva Island.	19° 57.5′ S 174° 41.3′ W	**Fl.(4)W.** period 12s	20 **6**	10	Pile.	
3198 *K 4637.5*	--Fetoa Island.	19° 57.9′ S 174° 43.7′ W	**Fl.R.** period 6s	59 **18**	4	Framework tower; 20.	Visible 260°-090°.
3198.5 *K 4638.5*	--Kito Island.	19° 59.8′ S 174° 47.6′ W	**Q.(3)W.** period 10s	39 **12**	10	Framework tower; 30.	Visible 350°-240°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			SOUTH PACIFIC ISLANDS				
3200 *K 4639*	--Nukulai Island.	20° 03.0′ S 174° 44.0′ W	**Oc.W.R.G.** period 7s lt. 4s, ec. 3s	80 **24**	8	Metal tower; 30.	G. 354°-110°, W.-113°, R.-160°, W.-180°, R.-224°, W.-354°.
3204 *K 4639.5*	--Tokulu Island, center.	20° 06.2′ S 174° 47.6′ W	**Fl.W.** period 3s	39 **12**	10	Metal tower; 30.	
	-Nomuka Iki:						
3208 *K 4640*	--Muifuiva.	20° 16.1′ S 174° 48.9′ W	**Fl.(2)W.** period 5s	49 **15**	10	Metal tower; 30.	
	-Tongatapu:						
3211 *K 4644*	--Ha'atufu, Niu 'Aunofo Point.	21° 04.0′ S 175° 19.8′ W	**Fl.W.** period 15s	154 **47**	10		
3212 *K 4646*	--Hakau Mamao Beacon.	21° 00.0′ S 175° 12.5′ W	**Fl.G.** period 10s fl. 1.5s, ec. 8.5s	29 **9**	8	Aluminum tower.	
3214 *K 4646.8*	--Maria Bay Range, front.	21° 03.9′ S 175° 15.4′ W	**Q.W.**	20 **6**	4	Aluminum tower.	
3214.5 *K 4646.81*	---Rear, about 200 yards 141°38′ from front.	21° 04.0′ S 175° 15.3′ W	**Iso.W.** period 4s	46 **14**	6	Aluminum tower.	
3215 *K 4644.5*	--Malinoa.	21° 01.9′ S 175° 07.9′ W	**Q.W.**	20 **6**	7	Aluminum tower.	
3220 *K 4647*	--Ualanga Lalu.	21° 06.1′ S 175° 11.5′ W	**Fl.W.R.** period 3s fl. 0.5s, ec. 2.5s	20 **6**	W. 7 R. 5	Aluminum framework tower.	W. 273°-278°, R.-273°.
3224 *K 4647.4*	--Ualanga Uta.	21° 06.9′ S 175° 11.8′ W	**Fl.G.** period 6s fl. 1s, ec. 5s	19 **6**	4	Aluminum framework tower.	
3226 *K 4647.44*	- -Jetty, NW. head.	21° 07.8′ S 175° 11.8′ W	**Fl.G.**				
3226.5 *K 4647.45*	- - -SE., root.	21° 07.8′ S 175° 11.8′ W	**Fl.R.**				
3228 *K 4647.6*	--Monu Reef.	21° 07.5′ S 175° 11.1′ W	**L.Fl.G.** period 5s fl. 2s, ec. 3s	19 **6**	4	Aluminum framework tower.	
3228.2 *K 4647.7*	---SE.	21° 07.7′ S 175° 11.0′ W	**Fl.G.** period 4s fl. 0.5s, ec. 3.5s	10 **3**	1	STARBOARD (A) G, beacon, topmark.	
3229 *K 4648*	--Pangaimotu Island, W. Reef.	21° 07.2′ S 175° 10.1′ W	**Fl.R.** period 4s fl. 0.5s, ec. 3.5s	10 **3**	1	PORT (A) R, beacon, topmark.	
3232 *K 4649.3*	--Boat harbor, E. mole.	21° 08.2′ S 175° 11.0′ W	**Fl.R.** period 4s fl. 1s, ec. 3s	16 **5**	2	Red triangular metal tower.	
3233 *K 4655*	--Mui Hopohoponga.	21° 08.9′ S 175° 02.0′ W	**Fl.W.** period 15s fl. 1s, ec. 14s	33 **10**	10		
3234 *K 4651*	--Piha Passage Range, front.	21° 06.9′ S 175° 09.1′ W	**Q.R.**	23 **7**	4	Aluminum tower.	
3234.5 *K 4651.1*	---Rear, 380 yards 264°56′ from front.	21° 06.9′ S 175° 09.2′ W	**Iso.R.** period 6s	43 **13**	4	Aluminum tower.	Visible 167°-005°.
3235 *K 4651.5*	--The Narrows Range, front.	21° 05.3′ S 175° 09.2′ W	**V.Q.W.**	16 **5**	4	Aluminum tower.	Visible 116°-075°.
3235.5 *K 4651.51*	---Rear, 400 yards 342°30′ from front.	21° 05.0′ S 175° 09.3′ W	**Iso.W.** period 4s	36 **11**	4	Aluminum tower.	Visible 048°-008°.
3235.7 *K 4651.7*	--Makaha'a.	21° 06.5′ S 175° 09.1′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	19 **6**	4	Aluminum tower.	

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			SOUTH PACIFIC ISLANDS				
3235.9 *K 4650*	--Makaha's Passage.	21° 07.2′ S 175° 09.3′ W	**Fl.G.** period 4s	10 **3**	1		
	-Eua Island:						
3245 *K 4654.7*	--Ohonua.	21° 20.4′ S 174° 57.3′ W	**Oc.R.** period 4s lt. 3s, ec. 1s		10	Aluminum tower.	
			FIJI ISLANDS				
3252 *K 4751*	Rock Island.	17° 16.4′ S 179° 39.1′ W	**Fl.(3)W.** period 10s fl. 0.1s, ec. 1.6s fl. 0.1s, ec. 1.6s fl. 0.1s, ec. 6.5s	36 **11**	12	Metal tripod tower; 23.	Visible 262°-250°.
3260 *K 4752*	**Welangilala.**	16° 44.6′ S 179° 06.4′ W	**Fl.W.** period 5s	95 **29**	**18**	White round metal tower; 95.	
3264 *K 4756*	**Nggele Levu.**	16° 05.5′ S 179° 09.0′ W	**Fl.(2)W.** period 12s	108 **33**	**15**	Framework tower; 89.	
	VANUA LEVU:						
3268 *K 4748*	**-Cape Undu.**	16° 07.8′ S 179° 57.2′ W	**Fl.(2)W.** period 25s	161 **49**	**17**	White hexagonal tower, concrete base; 20.	
3272 *K 4747*	-Malau.	16° 21.5′ S 179° 21.9′ E	**F.R.**	89 **27**		On bulk loading tower.	
3273 *K 4746.8*	-Mali Pass, E.	16° 17.7′ S 179° 16.7′ E	**Fl.R.** period 3s	33 **10**	10		
3274 *K 4746.9*	--W.	16° 18.8′ S 179° 16.6′ E	**Fl.G.** period 3s	30 **9**	10		
3276 *K 4744*	-Point Reef, E. extremity, Savusavu Bay.	16° 49.9′ S 179° 16.0′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	25 **8**	10	White hexagonal concrete tower; 30.	Obscured by land when bearing less than 250°.
3284 *K 4746.5*	**-Kia Island.**	16° 13.4′ S 179° 05.8′ E	**Fl.W.** period 5s	229 **70**	**15**	Metal tower; 26.	Visible 109°-008°.
3288 *K 4750*	Taveuni Island, on Vuna Point.	16° 57.9′ S 179° 51.8′ E	**L.Fl.W.** period 8s	34 **10**	10	White concrete tower.	Visible 315°-216°.
3292 *K 4740*	**Korolevu.**	17° 23.8′ S 179° 22.1′ E	**Fl.(2)W.** period 10s	203 **62**	**18**	White framework tower; 82.	Obscured by shore when bearing less than 250°.
3296 *K 4733*	Thakau Momo.	17° 38.7′ S 179° 15.5′ E	**Fl.W.** period 2s fl. 0.3s, ec. 1.7s	20 **6**	9	White concrete tower, red top; 20.	**Radar reflector.**
3300 *K 4736*	Nairai Range, front.	17° 49.9′ S 179° 24.6′ E	**F.W.**		5	White post, orange daymark.	
3304 *K 4736.1*	-Rear, about 100 yards 040° from front.	17° 49.7′ S 179° 25.0′ E	**F.W.**		5	White post, orange daymark.	
3308 *K 4733.4*	Makongai, summit.	17° 27.0′ S 178° 57.7′ E	**Fl.W.** period 7s fl. 1s, ec. 6s	890 **271**	14	Red metal framework tower, 13.	Regularly sighted at 38M.
3312 *K 4730*	**Wakaya Reefs.**	17° 41.5′ S 179° 04.3′ E	**Fl.(2)W.** period 15s fl. 0.3s, ec. 2s fl. 0.3s, ec. 12.4s	74 **23**	**19**	White octagonal tower, red band; 82.	
3316 *K 4732*	**Mbatiki Island.**	17° 46.5′ S 179° 08.2′ E	**Fl.W.** period 4.5s fl. 0.3s, ec. 4.2s	115 **35**	**16**	White octagonal tower, square concrete base; 20.	Visible 359°-241°.
3320 *K 4734*	Singuma Harbor Range, front.	17° 56.9′ S 179° 16.3′ E	**F.Bu.**	10 **3**	5	Mast, orange triangular daymark point up; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			FIJI ISLANDS				
3324 *K 4734.1*	-Rear, about 70 meters 138° from front.	17° 57.0′ S 179° 16.0′ E	**F.Bu.**	40 **12**	5	Mast, orange triangular daymark point down; 20.	
3328 *K 4735*	Yaciwa Island.	18° 08.2′ S 179° 20.5′ E	**Fl.W.** period 6s	56 **17**	9	White round concrete tower; 16.	
	OVALAU (LEVUKA HARBOR):						
3332 *K 4719*	-North Ovalau Island, entrance.	17° 33.7′ S 178° 50.9′ E	**Fl.(3)W.** period 10s	26 **8**	10	Black framework tower, concrete base.	
3336 *K 4722*	-Na Tumbari Range, S. entrance, front.	17° 41.0′ S 178° 49.9′ E	**F.Bu.**	48 **15**	7	Church, orange neon triangular daymark point up.	
3340 *K 4722.1*	--Rear, 250 meters 263°08′ from front.	17° 40.8′ S 178° 50.2′ E	**F.Bu.**	100 **30**	11	Pole, orange neon triangular daymark point down.	
3344 *K 4726*	-Queens Wharf, end of N. arm.	17° 41.0′ S 178° 50.0′ E	**F.G.**	23 **7**			
3348 *K 4727*	-Queens Wharf, end of S. arm.	17° 41.0′ S 178° 50.5′ E	**F.G.**	23 **7**		Mast.	
3352 *K 4723*	-Entrance, S. side of Na Tumbari.	17° 41.0′ S 178° 50.9′ E	**Fl.W.** period 2s fl. 0.1s, ec. 1.9s	30 **9**	5	White tower, tripod; 36.	
3356 *K 4714.6*	Yandua.	16° 49.1′ S 178° 17.9′ E	**Fl.(2)W.** period 15s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 9.8s	655 **200**	14	Red metal framework tower; 13.	
3360 *K 4716*	-Channel E.	17° 16.1′ S 178° 32.8′ E	**Fl.W.** period 3s	40 **12**	11	Black framework tower, concrete pillar.	
3364 *K 4717*	--W.	17° 16.7′ S 178° 29.0′ E	**Fl.(2)W.** period 6s	40 **12**	11	Black framework tower, concrete pillar.	
	VITI LEVU:						
3368 *K 4668*	-Nasilai Reef, SE. extremity, Rewa River entrance.	18° 08.0′ S 178° 41.2′ E	**L.Fl.(2)W.** period 30s fl. 2s, ec. 2s fl. 2s, ec. 24s	45 **14**	12	White square tower, red bands; 53.	
3372 *K 4670*	-Makuluva.	18° 11.3′ S 178° 31.2′ E	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	59 **18**	9	White mast, concrete structure.	F.R. lights on mast 7.1 miles N.
	-Suva Harbor:						
3376 *K 4686*	--Walu Bay Range, front.	18° 07.9′ S 178° 25.6′ E	**F.Bu.** (neon)			Mast, orange triangular daymark point up.	
3380 *K 4686.1*	---Rear, 200 meters 102°13′ from front.	18° 07.9′ S 178° 25.7′ E	**F.Bu.** (neon)			Mast, orange triangular daymark point up.	
3384 *K 4687*	--Hospital.	18° 08.1′ S 178° 25.9′ E	**F.R.**			Flagstaff on Hospital roof.	
3388 *K 4684*	--Tamavua, S. end of reef N. of Walu Creek.	18° 07.5′ S 178° 25.5′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	16 **5**	4	Red beacon, triangular topmark point up; 16.	F.R. on radio mast about 1 mile 059°.
3392 *K 4682*	--Lami.	18° 07.6′ S 178° 24.5′ E	**Q.R.**	15 **5**	4	Red hexagonal tower, round top.	
3396 *K 4672*	**--North Side** Range, front.	18° 06.6′ S 178° 24.2′ E	**Oc.Bu.** period 5s	130 **40**	**15**	Red square tower, white stripe.	Visible 320°-038°.
3400 *K 4672.1*	---Rear, 1,189 meters 010°15′ from front.	18° 05.9′ S 178° 24.3′ E	**Oc.Bu.** period 5s	338 **103**	**15**	Red square tower, white stripe.	Visible 325°-055°.
3404 *K 4678*	--N. extremity of E. reef.	18° 08.2′ S 178° 24.2′ E	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	34 **10**	8	Green tower; 36.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			FIJI ISLANDS				
3408 *K 4677*	--About 229 meters S. of NE. end of reef	18° 08.0′ S 178° 23.7′ E	**Fl.R.** period 6s	6 **2**	3	Beacon.	
3412 *K 4676*	--Near SE. extremity of W. reef at entrance	18° 08.6′ S 178° 23.5′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	30 **9**	5	White round tower, red and white base; 33.	**Radar reflector.**
3416 *K 4673*	--E. side.	18° 07.3′ S 178° 23.8′ E	**Q.(2)R.** period 5s	18 **5**	4	Red concrete tower; 20.	
3424 *K 4702*	-Navula Reef, S. end.	17° 55.4′ S 177° 12.7′ E	**Fl.R.** period 3s		5		
3428 *K 4706*	-Navula Point.	17° 53.2′ S 177° 14.9′ E	**Fl.G.** period 2s		5		
3432 *K 4704*	**--Momi Bay** Range, front.	17° 54.9′ S 177° 16.4′ E	**Iso.R.** period 2s	43 **13**	**15**	Concrete tripod, orange pentagonal daymark, white stripe.	Obscured locally.
3436 *K 4704.1*	---Rear, about 1.9 km 077°15′ from front.	17° 54.6′ S 177° 17.5′ E	**Iso.R.** period 2s	207 **63**	**15**	Tower, orange pentagonal daymark, white stripe; 23.	Obscured locally.
3436.4 *K 4706.5*	-Black Rocks, AVIATION LIGHT.	17° 47.4′ S 177° 12.7′ E	**Fl.W.** period 7s	10 **3**	5	Wooden post, concrete base.	
3437 *K 4708*	-Tomba ko Nandi, AVIATION LIGHT.	17° 45.6′ S 177° 26.8′ E	**Al.Fl.W.G.** period 3.8s	141 **43**		Control tower; 75.	Occasional.
3440 *K 4710*	-Naikorokoro, W. end of reef, 2.2 km S. of point.	17° 39.2′ S 177° 22.6′ E	**Fl.(2)W.** period 6s	42 **13**	10	White structure, on black piles; 49.	**Aero Radiobeacon** 8.5 miles SSE.
3441 *K 4710.5*	-Pinder Reef, S.	17° 36.3′ S 177° 24.2′ E	**Fl.W.** period 8s	20 **6**	6	White structure, black stripe.	
3444 *K 4712*	-Vio, off N. end.	17° 36.1′ S 177° 26.0′ E	**Fl.W.** period 3s		4		
3448 *K 4711*	--Off SW. point.	17° 36.4′ S 177° 25.9′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	20 **6**	5	Beacon.	
3452 *K 4711.2*	--Off SE. point.	17° 36.5′ S 177° 26.1′ E	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	20 **6**	5	Beacon.	
3456 *K 4712.4*	-Mbekana Island, on reef.	17° 35.6′ S 177° 26.2′ E	**Fl.(2)W.** period 5s	3 **1**	2	Concrete pile; 7.	
3460 *K 4714*	-Viwa, NW. point.	17° 07.0′ S 176° 55.6′ E	**Fl.(3)W.** period 15s	57 **17**	12	White metal framework tower; 49.	
3464 *K 4661*	**-Vatulele.**	18° 30.5′ S 177° 36.4′ E	**Fl.W.** period 10s	136 **41**	**17**	White concrete tower.	Visible 051°-304°. Partially obscured 304°-317° and 355°-007°.
3468 *K 4695*	SW. reef.	18° 30.2′ S 177° 58.6′ E	**Fl.(2)W.** period 5s	33 **10**	8	Mast on concrete structure; 30.	
3472 *K 4694*	**Mbengga.**	18° 24.3′ S 178° 09.9′ E	**Fl.(3)W.** period 12s	39 **12**	**15**	White metal tripod, yellow band.	Visible 240°-022°.
3476 *K 4666*	North Astrolabe Reef, (Solo Rock).	18° 38.2′ S 178° 31.7′ E	**L.Fl.W.** period 30s fl. 3s, ec. 27s	96 **29**	10	Red metal tower, white bands; 105.	
3480 *K 4662*	Cape Washington, W. end of Kandavu.	19° 06.6′ S 177° 57.4′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	208 **63**	11	White metal framework tower; 26.	Obscured by shore when bearing less than 007°.
3484 *K 4663*	**Vanuatambu.**	19° 01.4′ S 178° 28.4′ E	**Fl.W.** period 2s fl. 0.1s, ec. 1.9s	165 **50**	**15**	Metal framework tower.	Visible 215°-055°.
3488 *K 4758*	**Totoya Island.**	18° 59.4′ S 179° 52.6′ W	**Fl.(3)W.** period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	249 **76**	**20**	Framework tower; 49.	Visible 251°-164°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			FIJI ISLANDS				
3492 *K 4759*	**Vatoa.**	19° 48.4′ S 178° 14.4′ W	**Fl.W.** period 5s	229 **70**	**21**	Framework tower; 98.	Partially obscured by trees 300°-325° and 340°-005°.
			NEW HEBRIDES				
	ESPIRITU SANTO ISLAND:						
3496 *K 4880*	-Palikoulo Point.	15° 28.4′ S 167° 15.4′ E	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 11.5s	75 **23**	14	White pylon; 69.	
3500 *K 4880.4*	-Luganville, Million Dollar Point.	15° 31.4′ S 167° 14.8′ E	**Fl.(4)W.** period 60s	39 **12**	8	Tower; 33.	
3504 *K 4880.6*	Aore Island.	15° 32.0′ S 167° 12.8′ E	**Fl.(2)W.R.G.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	79 **24**	W. 8 R. 6 G. 6	Pylon; 66.	W. 262°-270°, G.-321°, W.-325°, R.-262°, obscured by vegetation 308°-322°.
3508 *K 4880.7*	-Second (Segond) channel.	15° 34.9′ S 167° 08.0′ E	**Q.W.**	23 **7**	4	Pylon; 13.	
3512 *K 4877*	Tutuba.	15° 33.9′ S 167° 17.8′ E	**L.Fl.W.** period 5s fl. 2s, ec. 3s	79 **24**	7	White pylon; 69.	
3516 *K 4873*	Port Stanley.	16° 04.4′ S 167° 26.2′ E	**Fl.(3)W.** period 10s	39 **12**	8	White pylon; 20.	
3520 *K 4870*	-Sarmette (Meadus) Bay.	16° 11.0′ S 167° 32.0′ E	**2 F.W.**			Beacons, white triangular topmark point up.	Lights in range 233°. Shown on request.
3524 *K 4868*	-Lamap Point.	16° 25.8′ S 167° 47.8′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	115 **35**	7	White post.	
	AMBRYM ISLAND:						
3528 *K 4866*	-Ranon Anchorage Range, front.	16° 08.0′ S 168° 07.0′ E	**F.W.**	16 **5**		Beacon, white circular daymark.	Occasional.
3532 *K 4866.1*	--Rear 319° from front.	16° 08.4′ S 168° 07.0′ E	**F.W.**			Beacon, white circular daymark.	Occasional.
3536 *K 4867*	-Craig Point.	16° 15.6′ S 167° 55.4′ E	**Fl.W.** period 5s	62 **19**	10	White pylon; 20.	
	EPI:						
3540 *K 4862*	-The Foreland.	16° 41.4′ S 168° 07.4′ E	**Fl.(4)W.** period 20s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 15s	680 **207**	10	White metal framework tower; 66.	
	EFATE:						
3552 *K 4854*	-Port-Vila.	17° 44.2′ S 168° 18.9′ E	**Dir.W.R.G**	141 **43**	10	Orange tower, orange triangular daymark point up.	F.G. 076°11.4′-077°45′, F.W.-078°15′, F.R.-079°41.4′. Range 4M by day.
3560 *K 4858*	-Eretoka Island.	17° 38.2′ S 168° 09.3′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	315 **96**	8	Pylon; 66.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW HEBRIDES				
3564 *K 4855*	-Pointe Mele AVIATION LIGHT.	17° 41.6′ S 168° 16.0′ E	**Iso.G.** period 4s	49 **15**	7	Mast; 49.	
3568 *K 4855.5*	--AVIATION LIGHT, 1.5 miles NNW.	17° 40.2′ S 168° 15.4′ E	**Iso.R.** period 4s	617 **188**	7	Mast.	
3572 *K 4852*	-Pango Point, S. extremity.	17° 46.9′ S 168° 15.6′ E	**Fl.W.** period 6s	72 **22**	11	White pylon.	
3576 *K 4847*	Erromango, Ountovin Point.	18° 51.8′ S 168° 59.6′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	548 **167**	10	White pylon; 49.	
			NEW CALEDONIA				
	ILES LOYAUTE (LOYALTY ISLANDS):						
3584 *K 4834*	**-Ile Lifou.**	21° 03.5′ S 167° 27.1′ E	**Fl.(2+1)W.** period 15s fl. 0.1s, ec. 2.5s fl. 0.1s, ec. 6.1s fl. 0.1s, ec. 6.1s	295 **90**	**15**	White pylon, black top; 98.	
3585 *K 4835*	-Port de We Range, front.	20° 55.1′ S 167° 16.8′ E	**Fl.W.** period 4s	10 **3**	6	White post, white triangular topmark point up.	
3585.5 *K 4835.1*	--Rear, 16 meters 197° from front.	20° 55.0′ S 167° 16.7′ E	**Fl.W.** period 4s	33 **10**	6	Black column, white triangular topmark point down; 23.	
3586 *K 4835.2*	-Musoir.	20° 54.9′ S 167° 16.9′ E	**Q.R.**	27 **8**	4	Red and white tower; 16.	
3587 *K 4836*	-Port de Tadine, breakwater, head.	21° 32.8′ S 167° 52.6′ E	**Fl.G.** period 4s fl. 1s, ec. 3s	27 **8**	4		
	ILE DES PINS:						
3598 *K 4830*	-Ilot Infernal.	22° 42.0′ S 167° 22.2′ E	**Fl.(3)W.** period 12s	49 **15**	13	White metal pylon.	
3599 *K 4799.76*	-Pic Meunier Range, front.	22° 38.3′ S 167° 25.8′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	36 **11**	9	Pylon; 20.	
3599.1 *K 4799.77*	--Rear, 1841 meters 059°30′ from front.	22° 38.8′ S 167° 26.7′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	433 **132**	9	Metal support; 3.	On top of Pic Meunier. Synchronized with front.
3600 *K 4790*	**Puareti.**	22° 05.8′ S 166° 55.8′ E	**Fl.(4)W.** period 15s	295 **90**	**24**	Gray pylon; 59.	Visible 148°-328°.
	CANAL DE LA HAVANNAH:						
3604 *K 4795*	-Passe de Goro.	22° 19.7′ S 167° 02.3′ E	**Fl.W.** period 4s fl. 1s, ec. 3s	82 **25**	11	White tower; 85.	
	-RACON		**G(– – •)**				(3 & 10cm).
	PASSE DE BOULARI:						
3608 *K 4797*	-Recif Ioro.	22° 23.1′ S 166° 57.7′ E	**Iso.R.** period 4s	23 **7**	5	White tower, red top, marked "IORO" in black; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW CALEDONIA				
3612 *K 4794*	**-Cap N'Doua.**	22° 23.3′ S 166° 55.9′ E	**Fl.(4)W.** period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	180 **55**	**16**	White pylon; 10.	Intensified 244°-250°. Reserve light range 8M.
3616 *K 4794.1*	--Middle, 280 meters 247° from front.	22° 23.5′ S 166° 55.6′ E	**Fl.(4)W.** period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	374 **114**	**16**	White pyramid; 10.	Intensified 244°-250°. Synchronized with front.
3620 *K 4794.2*	--Common rear, summit of cape, 830 meters 247° from Cap N'Doua front, 190 meters 339° from Cap N'Doua, point front.	22° 23.6′ S 166° 55.3′ E	**Fl.(4)W.** period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	620 **189**	14	White support; 20.	Synchronized with front.
3621 *K 4794.21*	-Cap N'Doua Range, point, front.	22° 23.7′ S 166° 55.3′ E	**Q.W.**	410 **125**	11	Metal mast; 3.	Visible 330°-348°.
	BAIE DU PRONY:						
3624 *K 4799*	-Baie Est, E. entrance.	22° 23.8′ S 166° 53.1′ E	**Iso.W.G.** period 4s	36 **11**	W. 8 G. 6	White tower, green top; 39.	W. 274°-097°, G.-274°.
3626 *K 4799.2*	Ouara Bay, No 1.	22° 24.7′ S 166° 51.2′ E	**Fl.G.** period 4s fl. 1s, ec. 3s	13 **4**	3	STARBOARD (A) G, beacon, topmark.	
3626.2 *K 4799.24*	-No 3.	22° 25.1′ S 166° 50.9′ E	**Fl.(2)G.** period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	13 **4**	3	STARBOARD (A) G, beacon, topmark.	
3626.4 *K 4799.28*	-No 5.	22° 25.3′ S 166° 50.8′ E	**Fl.(3)G.** period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	13 **4**	3	STARBOARD (A) G, beacon, topmark.	
3628 *K 4799.6*	Canal Woodin, S. side, Ile Ouen.	22° 23.6′ S 166° 49.1′ E	**Fl.W.R.** period 2.5s fl. 0.5s, ec. 2s	210 **64**	W. 9 R. 6	Red and white pylon, marked "Ile Ouen"; 23.	R. 180°-000°, W.-180°. Forms range 088° with Cap N'Doua common rear.
3632 *K 4799.5*	-N. side.	22° 23.0′ S 166° 48.0′ E	**Iso.W.G.** period 4s	39 **12**	W. 8 G. 5	White tower; 36.	W. 282°-288°, G.-045°, W.-064°.
3634 *K 4799.68*	-Recif Moziman.	22° 23.4′ S 166° 50.9′ E	**Q.(6)+L.Fl.W.** period 15s	23 **7**	6	S. CARDINAL YB, buoyant beacon, topmark.	
3635 *K 4799.95*	Ilot Tareti.	22° 23.2′ S 166° 38.0′ E	**Fl.(2+1)W.R.G.** period 10s	23 **7**	W. 11 R. 7 G. 7	White beacon.	W. 107°-110°, R.-273°, W.-289°, G.-107°.
3636 *K 4800*	Ilot Porc-Epic.	22° 19.6′ S 166° 34.2′ E	**Fl.(3)W.G.** period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	118 **36**	W. 11 G. 8	White tower; 16.	W. 291°-299°, G.-077°, W.-089°.
3637 *K 4800.1*	Basse Prevoyante.	22° 20.0′ S 166° 32.5′ E	**Q.W.**	13 **4**	5	N. CARDINAL BY, buoyant beacon, topmark.	**Radar reflector.**
	PASSE DE BOULARI:						
3640 *K 4802*	-Passe Nord Range, front.	22° 28.7′ S 166° 28.0′ E	**Dir.Iso.W.** period 6s	56 **17**	11 6	Pylon on black and white tower; 59.	Intensified 047°-053°.
3644 *K 4802.1*	**--Ile Amedee,** rear, 210 meters 050° from front.	22° 28.6′ S 166° 28.1′ E	**Fl.(2)W.** period 10s	174 **53**	**20**	White tower; 174.	
3644.5 *K 4803*	---Shoal.	22° 28.6′ S 166° 27.4′ E	**Fl.G.** period 4s		4	STARBOARD (A) G, buoyant beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW CALEDONIA				
3645 *K 4800.3*	-Basse Thisbe.	22° 26.8′ S 166° 27.0′ E	**Fl.(2)G.** period 6s		4	STARBOARD (A) G, buoyant beacon, topmark.	
3648 *K 4804*	-Recife Tabou, E. side.	22° 28.9′ S 166° 27.0′ E	**Oc.(4)W.R.** period 12s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 5s, ec. 1s	42 **13**	W. 10 R. 7	White tower, red top; 46.	W. 169°-179°, R.-282°, W.-022°.
3648.1 *K 4804.3*	-Recif To.	22° 30.6′ S 166° 27.3′ E	**Fl.R.** period 4s fl. 1s, ec. 3s		2	PORT (A) R, buoyant beacon, topmark.	
3648.2 *K 4805*	-Recif Le Sournois, NE.	22° 31.2′ S 166° 27.2′ E	**Q.W.**		6	N. CARDINAL BY, buoyant beacon, topmark.	
3649 *K 4799.8*	Recif Ila.	22° 27.2′ S 166° 45.8′ E	**Fl.W.R.G.** period 4s fl. 1s, ec. 3s		W. 8 R. 5 G. 5	White pylon; 23.	W. 133°-148°, R.-299°, G.-133°.
3650 *K 4799.9*	Ilot Mbe.	22° 28.8′ S 166° 33.7′ E	**Fl.(2)W.R.G.** period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		W. 8 R. 5 G. 5	White pylon.	W. 135°-152°, R.-287°, W.-303°, G.-135°.
3652 *K 4800.5*	Ile Maitre.	22° 20.7′ S 166° 25.5′ E	**Q.R.**	33 **10**	5	White tower, red top; 36.	
3653 *K 4807*	Recif Abore.	22° 27.8′ S 166° 31.2′ E	**Fl.(3)G.** period 12s	23 **7**	6	STARBOARD (A) G, beacon, topmark.	
3654 *K 4802.5*	-W.	22° 27.8′ S 166° 30.3′ E	**Fl.(2)R.** period 6s	23 **7**	6	PORT (A) R, beacon, topmark.	
	NOUMEA:						
3656 *K 4812*	-Ile Nou Range, front.	22° 16.3′ S 166° 25.0′ E	**Fl.(4)W.** period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	82 **25**	12	White metal support; 33.	Intensified 337°-357°.
3660 *K 4812.1*	--Sommet Ducos, rear, 380 meters 347° from front.	22° 16.1′ S 166° 25.0′ E	**Fl.(4)W.** period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	233 **71**	12	Square shelter; 10.	Intensified 337°-357°. Synchronized with front.
3660.1 *K 4809.15*	-Ilot Te Ndu.	22° 17.7′ S 166° 16.0′ E	**Fl.(3)G.** period 12s	16 **5**	5	STARBOARD (A) G, buoyant beacon, topmark.	
3660.2 *K 4809.13*	-Laregnere Reef, No 3.	22° 19.4′ S 166° 17.8′ E	**Fl.G.** period 4s fl. 1s, ec. 3s	16 **5**	6	STARBOARD (A) G, buoyant beacon, topmark.	
3660.3 *K 4809.1*	-Recif Senez, No 5.	22° 17.5′ S 166° 19.7′ E	**Fl.(2)G.** period 6s	16 **5**	4	STARBOARD (A) G, buoyant beacon, topmark.	
3660.5 *K 4820*	-Banc de l'Infernal.	22° 16.6′ S 166° 26.0′ E	**Fl.(3)G.** period 12s	13 **4**	4	STARBOARD (A) G, buoyant beacon, topmark.	
3660.8 *K 4820.5*	-Ile aux Canards.	22° 19.0′ S 166° 26.0′ E	**Fl.(3)G.** period 12s		4	STARBOARD (A) G, buoyant beacon, topmark.	
3660.9 *K 4821*	-Recif du Prony, No 4.	22° 16.2′ S 166° 20.1′ E	**Fl.(2)R.** period 6s	16 **5**	4	PORT (A) R, buoyant beacon, topmark.	
3661 *K 4811.5*	-**Grande Rade** Range, front.	22° 15.9′ S 166° 26.5′ E	**L.Fl.W.** period 10s	26 **8**	**17**	White column; 39.	Intensified 114°30′-120°30′.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW CALEDONIA				
3662 *K 4811.51*	--Rear, 425 meters 117° from front.	22° 16.0′ S 166° 26.7′ E	**Dir.W.R.G.**	312 **95**	**21**	White tower; 26.	F.G. 115°18′-116°06′, Al.W.G.-116°42′, F.W.-117°24′, Al.W.R.-118°06′, F.R.-118°48′. 4 F.R. mark radio tower 50 meters NW.
			Iso.W. period 4s		14		Visible 253°-107°.
3664 *K 4811*	-Ile Nou, NW. point.	22° 14.9′ S 166° 23.2′ E	**Fl.G.** period 4s fl. 1s, ec. 3s	98 **30**	6	White square hut; 13.	Visible 335°-245°, intensified 046°30′-051°30′.
3666 *K 4810.8*	-Lestelle Point.	22° 14.3′ S 166° 23.1′ E	**Fl.(3)R.** period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 7s	19 **6**	4	PORT (A) R, buoyant beacon, topmark.	
3676 *K 4816*	**-Petit Passe,** front.	22° 16.4′ S 166° 26.7′ E	**Q.W.**	151 **46**	**15**	SE. tower of cathedral with white lantern; 85.	Intensified 052°-058°.
3680 *K 4816.1*	--Rear, on hill, 155 meters 055° from front.	22° 16.3′ S 166° 26.7′ E	**Q.W.**	194 **59**	**15**	White metal columns; 26.	Intensified 050°30′-059°30′. Synchronized with front.
3681 *K 4816.2*	-Denouel Point.	22° 17.0′ S 166° 25.7′ E	**Fl.R.** period 4s fl. 1s, ec. 3s	23 **7**	4	PORT (A) R, buoyant beacon, topmark.	
3681.2 *K 4816.24*	-Pointe de l'Artillerie.	22° 16.9′ S 166° 25.9′ E	**Fl.(2)G.** period 6s	20 **6**	4	STARBOARD (A) G, buoyant beacon, topmark.	
3681.4 *K 4816.26*	-Ilot Brun.	22° 17.2′ S 166° 25.6′ E	**Fl.G.** period 4s	23 **7**	4	STARBOARD (A) G, buoyant beacon, topmark.	
3682 *K 4817*	-Ile de Brun, E. landing stage, head.	22° 17.5′ S 166° 25.7′ E	**Q.R.**	19 **6**	1	White column, red top; 13.	
3683 *K 4825*	Passe de Dumbea, No 1.	22° 21.2′ S 166° 15.7′ E	**Q.(9)W.** period 15s	16 **5**	5	W. CARDINAL YBY, buoyant beacon, topmark.	**Radar reflector.**
3685 *K 4825.5*	Recif Mbere.	22° 20.9′ S 166° 14.9′ E	**Mo.(D)W.** period 10s fl. 1s, ec. 9s	30 **9**	6	PORT (A) R, beacon, topmark.	
	RACON		**D(– • •)**		6		(3 & 10cm).
3686 *K 4827*	Ilot M'ba.	22° 13.1′ S 166° 12.0′ E	**Fl.W.R.G.** period 4s fl. 1s, ec. 3s		W. 8 R. 5 G. 5	White pylon.	W. 136°-142°, G.-277°, W.-283°, R.-136°.
3688 *K 4827.5*	Passe de Uitoe.	22° 10.2′ S 166° 06.4′ E	**Q.(6)+L.Fl.W.** period 15s	16 **5**	6	S. CARDINAL YB, buoyant beacon, topmark.	
3700 *K 4787.4*	-S.	21° 24.0′ S 164° 56.7′ E	**Fl.G.** period 4s fl. 1s, ec. 3s	29 **9**	7	White column, green top; 33.	
3708 *K 4786*	Hienghene.	20° 41.5′ S 164° 56.8′ E	**Fl.W.R.G.** period 4s	79 **24**	W. 6 R. 4 G. 4	White column; 10.	W. 187°30′-197°, R.-012°, G.-187°30′. Forms range 192° with beacon 600 meters NNE.
3708.2 *K 4785.85*	Touho, Passe de l' Est.	20° 46.1′ S 165° 14.9′ E	**Fl.G.** period 2s	23 **7**	2	STARBOARD (A) G, beacon, topmark.	
3708.3 *K 4785.852*	-SE.	20° 46.2′ S 165° 15.1′ E	**Fl.R.** period 2s	20 **6**	2	PORT (A) R, beacon, topmark.	
3709 *K 4785.6*	Recif Maronu, off W. edge.	21° 09.3′ S 165° 45.0′ E	**Q.(9)W.** period 15s	23 **7**	6	W. CARDINAL YBY, buoyant beacon, topmark.	**Radar reflector.**
3709.5 *K 4785.62*	Passes Ouest de Houailou, Passe SE.	21° 08.7′ S 165° 43.7′ E	**Fl.G.** period 4s fl. 1s, ec. 3s	20 **6**	7	STARBOARD (A) G, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW CALEDONIA				
3710 *K 4785.72*	Passe Est de Houailou, No 4.	21° 15.9′ S 165° 43.2′ E	**Fl.(2)R.** period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 **6**	7	PORT (A) R, buoyant beacon, topmark.	
3710.2 *K 4785.66*	Approaches to Koua, No 5.	21° 18.2′ S 165° 48.0′ E	**Fl.(3)G.** period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	16 **5**	7	STARBOARD (A) G, buoyant beacon, topmark.	
3710.4 *K 4784.78*	Baie de Kouaoua, No 3.	21° 20.3′ S 165° 50.5′ E	**Fl.(2)G.** period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 **6**	7	STARBOARD (A) G, buoyant beacon, topmark.	
3710.6 *K 4784.66*	Cap Begat.	21° 21.5′ S 165° 52.6′ E	**Q.W.**	23 **7**	6	N. CARDINAL BY, beacon, topmark.	
3711 *K 4784.8*	Passe de Kouaoua Entrance Range, front.	21° 23.4′ S 165° 49.1′ E	**Fl.(2)W.** period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		6	Beacon.	
3711.1 *K 4784.81*	-Rear, 430 meters 212° from front.	21° 25.2′ S 165° 47.9′ E	**Fl.(2)W.** period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		6	Beacon.	Synchronized with front.
3712 *K 4784.7*	**Baie Laugier Range,** front.	21° 23.1′ S 165° 52.9′ E	**Iso.W.** period 4s		**16**	Beacon; 7.	Intensified 127°-133°.
3712.1 *K 4784.71*	-Rear, 130° from front.	21° 23.5′ S 165° 52.9′ E	**Iso.W.** period 4s		**16**	Beacon.	Intensified 127°-133°. Synchronized with front.
3713 *K 4784.63*	Cap Dumoulin.	21° 23.3′ S 165° 56.8′ E	**V.Q.(6)+L.Fl.W.** period 10s	23 **7**	6	S. CARDINAL YB, beacon, topmark.	
3714 *K 4784.6*	Recifs de Bogota.	21° 24.9′ S 165° 59.2′ E	**V.Q.W.**	23 **7**	7	N. CARDINAL BY, beacon, topmark.	
3715 *K 4784.33*	Nakety, No 1.	21° 29.3′ S 166° 08.6′ E	**Fl.G.** period 4s fl. 1s, ec. 3s		7	STARBOARD (A) G, buoyant beacon, topmark.	
3716 *K 4784.3*	-No 2.	21° 30.8′ S 166° 10.3′ E	**Fl.R.** period 4s fl. 1s, ec. 3s	20 **6**	7	PORT (A) R, buoyant beacon, topmark.	
3717 *K 4783*	Passe de Thio.	21° 32.2′ S 166° 17.4′ E	**V.Q.(3)W.** period 5s	20 **6**	7	E. CARDINAL BYB, buoyant beacon, topmark.	**Radar reflector.**
3718 *K 4783.3*	-Entrance.	21° 35.5′ S 166° 15.1′ E	**Fl.(2)W.** period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		5	ISOLATED DANGER BRB, buoyant beacon, topmark.	
3719 *K 4784*	**-Range,** front.	21° 36.4′ S 166° 13.0′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	144 **44**	**16**	Pylon, white triangular daymark point up; 26.	Intensified 224°-230°.
3719.1 *K 4784.1*	--Rear, 395 meters 227° from front.	21° 36.6′ S 166° 12.8′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	276 **84**	**16**	Pylon, white triangular daymark point up; 30.	Intensified 224°-230°. Synchronized with front.
3726 *K 4788.5*	Ilot Deverd.	20° 45.9′ S 164° 19.6′ E	**Q.W.R.G.**	39 **12**	W. 7 R. 4 G. 4	Pylon; 33.	W. 226°-229°, G.-246°, R.-104°30′, W.-109°30′, G.-226°.
3728 *K 4788.75*	Passe de Koumac.	20° 40.3′ S 164° 14.9′ E	**Q.(3)W.** period 10s	23 **7**	7	E. CARDINAL BYB, beacon, topmark.	
3728.2 *K 4788.76*	-Ilot Kendec.	20° 40.1′ S 164° 15.2′ E	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	23 **7**	5	STARBOARD (A) G, beacon, topmark.	
3728.4 *K 4789*	-Recif de l'Infernet.	20° 37.6′ S 164° 15.3′ E	**Q.R.**	13 **4**	2	PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW CALEDONIA				
3729 *K 4788.6*	Grand Recif Mathieu.	20° 45.0′ S 164° 14.3′ E	**V.Q.W.**	20 **6**	5	N. CARDINAL BY, buoyant beacon, topmark.	
3729.2 *K 4788.65*	Passe Deverd.	20° 44.8′ S 164° 15.8′ E	**Fl.R.** period 4s fl. 1s, ec. 3s	20 **6**	4	PORT (A) R, buoyant beacon, topmark; 20.	
	NORFOLK ISLAND:						
3740 *K 4528*	-**Mount Pitt** AVIATION LIGHT.	29° 01.6′ S 167° 56.4′ E	**Al.Fl.W.G.** period 7.4s W. fl. 0.2s, ec. 3.5s G. fl. 0.2s, ec. 3.5s	1060 **323**	W. **28** G. **24**		
			Oc.R. period 1.5s lt. 1s, ec. 0.5s	1066 **325**	11		

Section 4

North Island of New Zealand and Chatham Islands

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-CHATHAM ISLANDS				
3752 *K 4547*	Skirmish Bay (Kaingaroa).	43° 44.1′ S 176° 14.5′ W	**Fl.(3)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	191 **58**	9	Aluminum tower; 13.	
3756 *K 4547.4*	Kaingaroa Harbor Range, front.	43° 44.2′ S 176° 15.4′ W	**Q.G.**	60 **18**		Beacon, white triangular daymark point up, orange stripe; 13.	
3760 *K 4547.41*	-Rear, 53 meters 169°33′ from front.	43° 44.2′ S 176° 15.4′ W	**Iso.G.** period 4s	74 **23**		Beacon, white triangular daymark point up, orange stripe; 13.	
3764 *K 4545*	Somes Point.	43° 50.4′ S 176° 52.6′ W	**Fl.(4)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 8.5s	128 **39**	9	Aluminum tower; 13.	
3768 *K 4543*	Weeding Point.	43° 56.6′ S 176° 34.4′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	190 **58**	7	Metal column; 10.	Lights are shown at Point Hanson Jetty 1km. E.
3772 *K 4541*	Durham Point.	44° 00.6′ S 176° 40.6′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	125 **38**	9	Aluminum tower; 13.	Visible 350°36′-006°36′ and 008°18′-227°.
3776 *K 4547.7*	Owenga Range, front.	44° 01.8′ S 176° 21.8′ W	**Q.G.**	39 **12**		White triangular daymark point up; 7.	
3780 *K 4547.71*	-Rear, 33 meters 142°10′ from front.	44° 01.8′ S 176° 21.8′ W	**Iso.G.** period 4s	56 **17**		Beacon, white triangular daymark point up, orange stripe; 13.	
3782 *K 4549*	Cape Fournier.	44° 03.1′ S 176° 20.0′ W	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	400 **122**	9	Aluminum tower; 13.	
			NEW ZEALAND-NORTH ISLAND				
3792 *K 3686*	Cape Maria van Diemen.	34° 28.7′ S 172° 38.7′ E	**Fl.(3)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	297 **91**	9	White fiberglass tower; 10.	Visible 314°-130° and 146°-206°.
3796 *K 3688*	**Cape Reinga.**	34° 25.7′ S 172° 40.7′ E	**Fl.W.** period 12s fl. 0.1s, ec. 11.9s	542 **165**	**19**	White concrete tower; 33.	Visible 000°-011° and 013°-263°. Reserve light range 10M.
3800 *K 3690*	**North Cape.**	34° 25.0′ S 173° 03.1′ E	**Fl.W.** period 8s fl. 0.1s, ec. 7.9s	326 **99**	**18**	White concrete tower; 13.	Visible 135°-079°.
3804 *K 3690.4*	Perengarenga Harbor.	34° 31.3′ S 172° 58.1′ E	**Fl.(2)W.** period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	155 **47**	6	Orange square tower; 16.	
3808 *K 3690.6*	Cape Perpendicular.	34° 49.5′ S 173° 10.1′ E	**Fl.W.** period 4s fl. 0.3s, ec. 3.7s	318 **97**	6	Square beacon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
3812 *K 3694*	Cape Karikari.	34° 47.0′ S 173° 23.9′ E	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	194 **59**	10	White tower; 10.	
3813 *K 3697.5*	Albert Reef.	34° 55.2′ S 173° 31.1′ E	**V.Q.(3)W.** period 5s	13 **4**	2	E. CARDINAL BYB, beacon, topmark; 13.	
3817 *K 3696.5*	Mangonui Harbor. Cole Point.	34° 58.9′ S 173° 31.5′ E	**Q.G.**	10 **3**	5	STARBOARD (A) G, post, topmark; 10.	
3820 *K 3697*	-Port Mangonui, wharf.	34° 59.0′ S 173° 32.0′ E	**2 F.G.** (vert.)			Shed.	
3824 *K 3699*	Nukutaunga.	34° 58.6′ S 173° 57.9′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	363 **111**	7	White metal tower; 13.	
3826 *K 3698*	S., head.	35° 00.3′ S 173° 46.1′ E	**Fl.(2)W.R.** period 12s fl. 1s, ec. 1s fl. 1s, ec. 9s	344 **105**	W. 6 R. 4	White metal column.	W. 121°-232°, R.-282°.
3828 *K 3698.1*	Kingfish Point, entrance to Whangaroa Harbor.	35° 01.0′ S 173° 45.0′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	42 **13**	7	Post; 20.	
3829 *K 3700.55*	Motupapa Island.	35° 11.9′ S 174° 03.0′ E	**Q.R.**	10 **3**	2	PORT (A) R, pile beacon, topmark.	Channel marked by beacons.
	BAY OF ISLANDS:						
3832 *K 3700*	-Russell, Fraser Rock, on summit.	35° 14.5′ S 174° 07.0′ E	**Fl.W.R.** period 4s fl. 0.7s, ec. 3.3s	43 **13**	W. 9 R. 8	Metal tower.	W. 352°54′-229°, R.-239°, W.-312°48′.
3836 *K 3700.5*	The Brothers.	35° 11.9′ S 174° 03.9′ E	**Q.(2)W.** period 5s	16 **5**	5	ISOLATED DANGER BRB, pile, topmark; 16.	
3840 *K 3701*	**-Waitangi.**	35° 16.3′ S 174° 05.0′ E	**Dir.W.R.G.**	30 **9**	**15**	White pile beacon.	F.G. 211°12′-213°, Al.W.G.-213°18′, F.W.-214°36′, Al.W.R.-215°06′, F.R.-216°36′. Range 9M by day.
3852 *K 3703*	Ti Point, Waitangi River entrance.	35° 16.4′ S 174° 05.0′ E	**Q.G.**		1	STARBOARD (A) G, beacon, topmark.	
3856 *K 3702*	-Government Wharf, head.	35° 15.7′ S 174° 07.2′ E	**2 F.R.** (vert.)	23 **7**	2	Post.	
3858 *K 3704*	-Taylor Island.	35° 16.6′ S 174° 05.8′ E	**Fl.G.** period 2.5s	10 **3**	5	STARBOARD (A) G, beacon, topmark.	
3862 *K 3705.1*	-Channel Range, front.	35° 18.3′ S 174° 06.5′ E	**Q.W.**	170 **52**	9	White and orange metal framework tower, neon daymark; 59.	
3864 *K 3705.2*	--Rear, 460 meters from front.	35° 18.5′ S 174° 06.6′ E	**F.Bu.**	276 **84**	5	Metal post; 20.	Oc.W. 6s shown by day.
3868 *K 3705.4*	--Beacon No 1.	35° 15.8′ S 174° 06.1′ E	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	16 **5**	3	Green beacon.	
3872 *K 3705.5*	--Beacon No 2.	35° 15.8′ S 174° 06.2′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	16 **5**	3	Red beacon.	
3876 *K 3705.6*	--Beacon No 3.	35° 16.6′ S 174° 06.2′ E	**Fl.G.** period 2.5s fl. 0.3s, ec. 2.2s	16 **5**	3	Green beacon.	
3880 *K 3705.7*	--Beacon No 4.	35° 16.6′ S 174° 06.3′ E	**Fl.R.** period 2.5s fl. 0.3s, ec. 2.2s	16 **5**	3	Red beacon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
3884 *K 3706*	--Beacon No 5.	35° 17.9′ S 174° 06.4′ E	**Fl.G.** period 2.5s fl. 0.3s, ec. 2.2s	13 **4**	3	STARBOARD (A) G, beacon, topmark.	
3886 *K 3707*	--Beacon No 6.	35° 18.2′ S 174° 06.9′ E	**Q.R.**		2		
3904 *K 3708*	-Opua Wharf, head.	35° 18.7′ S 174° 07.2′ E	**2 F.G.** (vert.)	20 **6**	1	Shed.	
3904.1 *K 3708.2*	--Base.	35° 18.7′ S 174° 07.3′ E	**2 F.G.** (vert.)	20 **6**	1	Shed.	
3905 *K 3708.3*	--N.	35° 18.7′ S 174° 07.2′ E	**Q.W.**	16 **5**	2	N. CARDINAL BY, beacon, topmark.	
3906 *K 3708.5*	-Marina, outer breakwater, N. end.	35° 18.8′ S 174° 07.3′ E	**Q.R.**	13 **4**	1	Gray pile.	Breakwater marked by Q.R. lights.
3906.1 *K 3708.9*	--Inner breakwater, E. end.	35° 19.0′ S 174° 07.3′ E	**Q.G.**	13 **4**	1	Gray pile.	
3906.2 *K 3708.93*	-Ashby's breakwater, N.	35° 19.1′ S 174° 07.2′ E	**2 F.G.** (vert.)	10 **3**	1	Metal pile; 10.	
3906.3 *K 3708.95*	--S.	35° 19.1′ S 174° 07.1′ E	**2 F.G.** (vert.)	10 **3**	1	Metal pile; 10.	
3906.5 *K 3707.8*	Waikare Inlet.	35° 18.7′ S 174° 07.9′ E	**Q.R.**	13 **4**	2	PORT (A) R, pile, topmark; 13.	
3907 *K 3710.05*	Pakatahi Island.	35° 13.9′ S 174° 12.1′ E	**Q.G.**	7 **2**	2	STARBOARD (A) G, post, topmark; 7.	
3908 *K 3710*	-Beacon.	35° 13.5′ S 174° 13.6′ E	**V.Q.(9)W.** period 10s	10 **3**	2	W. CARDINAL YBY, topmark; 10.	
3912 *K 3709*	**Cape Brett.**	35° 10.5′ S 174° 20.0′ E	**Fl.W.** period 15s fl. 0.1s, ec. 14.9s	479 **146**	**17**	White tower; 13.	Visible 212°30′-030°, 106°-173° and 195°-205°. Old light structure (14m) close SW.
3914 *K 3709.5*	Hat Island.	35° 13.0′ S 174° 15.2′ E	**Q.G.**	13 **4**	2	STARBOARD (A) G, post, topmark; 7.	
3916 *K 3710.1*	Paramena Reef.	35° 14.2′ S 174° 13.1′ E	**Q.(2)W.** period 5s	16 **5**	2	ISOLATED DANGER BRB, beacon, topmark.	
3917 *K 3710.2*	Shag Rock.	35° 14.3′ S 174° 14.2′ E	**Q.(9)W.** period 15s	16 **5**	2	W. CARDINAL YBY, beacon, topmark; 13.	
3920 *K 3711*	**Poor Knights Islands.**	35° 23.9′ S 174° 44.3′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	518 **158**	**17**	White metal tower; 13.	Visible 039°-317°.
3924 *K 3712*	**South Gable.**	35° 36.7′ S 174° 32.8′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	302 **92**	**19**	White metal tower; 13.	Visible 166°-006°.
3925 *K 3712.1*	Tutukaka Harbor Range, front.	35° 36.9′ S 174° 31.9′ E	**Fl.R.** period 3s	10 **3**	5	PORT (A) R, pile beacon, topmark; 7.	
3925.1 *K 3712.11*	-Rear, 175 meters 270°07′ from front.	35° 37.0′ S 174° 31.9′ E	**Fl.W.** period 1.5s	23 **7**	5	Black metal pile beacon, white square daymark; 3.	
3926 *K 3712.12*	-T1.	35° 36.9′ S 174° 31.9′ E	**Q.G.**		1	STARBOARD (A) G, pile, topmark.	Channel marked by lighted beacons.
	WHANGAREI HARBOR:						
3928	*-Fairway Buoy.*	35° 53.2′ S 174° 33.1′ E	**L.Fl.W.** period 10s			SAFE WATER RW, pillar, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
3932 *K 3713*	-Bream Head.	35° 50.7′ S 174° 34.9′ E	**Fl.(3)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	563 **172**	10	White metal tower; 13.	Visible 170°-320° and 323°-326°30′.
3933 *K 3716*	-Marsden Point.	35° 50.3′ S 174° 30.0′ E	**Dir.W.R.G.**	72 **22**	10	Metal framework tower, orange triangular daymark point down.	F.G. 314°24′-319°24′, Al.W.G.-320°06′, F.W.-321°06′, Al.W.R.-321°48′, F.R.-326°48′. Range W. 7M, R. 5M and G. 5M by day. R. lights on chimney 540m WSW.
3933.5 *K 3716.699*	-Sinclair Point Range, front.	35° 49.8′ S 174° 28.8′ E	**Fl.W.** period 2.5s	16 **5**	5	Yellow and white beacon.	
3934 *K 3716.7*	--Rear, 1400 meters 287° from front.	35° 49.5′ S 174° 27.9′ E	**F.R.**	26 **8**	5	Pile, orange rectangular daymark; 13.	Visible 200°-340°.
3936 *K 3718.8*	-Passage Islet, SW. extremity.	35° 49.8′ S 174° 29.8′ E	**Fl.(3)G.** period 10s	21 **6**	4	STARBOARD (A) G, beacon, topmark.	
3937 *K 3716.65*	-Snake Bank.	35° 49.7′ S 174° 29.1′ E	**Fl.G.** period 4s	16 **5**	3	STARBOARD (A) G, beacon, topmark; 20.	
3939 *K 3717.43*	-Lort Point Beacon.	35° 49.9′ S 174° 30.3′ E	**Fl.(2)W.** period 5s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 3.4s	3 **1**	1	ISOLATED DANGER BRB, beacon, topmark; 7.	
3940 *K 3717.45*	-Passage Island.	35° 49.7′ S 174° 29.8′ E	**Fl.(2)W.** period 5s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 3.4s	7 **2**	1	ISOLATED DANGER BRB, beacon, topmark; 7.	
3941 *K 3717.47*	-Taurikura.	35° 49.7′ S 174° 31.3′ E	**Fl.(2)W.** period 5s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 3.4s	7 **2**	1	ISOLATED DANGER BRB, beacon, topmark; 7.	
3948 *K 3717*	-One Tree Point, E. of point.	35° 49.1′ S 174° 27.8′ E	**Fl.R.** period 5s fl. 1s, ec. 4s	16 **5**	7	PORT (A) R, beacon, topmark.	
3949 *K 3718.759*	-Whangarei Heads.	35° 49.0′ S 174° 29.9′ E	**Fl.G.** period 5s	13 **4**	1		Visible 066°-246°.
3950 *K 3718.751*	-Shoal Bay, S.	35° 49.0′ S 174° 29.6′ E	**Q.(6)+L.Fl.W.** period 15s	13 **4**	1	S. CARDINAL YB, pile, topmark.	
3950.1 *K 3718.755*	--W.	35° 47.9′ S 174° 28.2′ E	**Q.(9)W.** period 15s	13 **4**	1	W. CARDINAL YBY, pile, topmark.	
3950.2 *K 3718.757*	--E.	35° 48.0′ S 174° 27.1′ E	**Q.(3)W.** period 10s	13 **4**	1	E. CARDINAL BYB, pile, topmark.	
3951 *K 3717.4*	-Lort Point Range, front.	35° 49.1′ S 174° 28.3′ E	**F.G.**	16 **5**	6	Concrete pile.	Visible 035°-195°.
3951.1 *K 3717.41*	--Rear, 1.65 miles 115°21′ from front.	35° 49.8′ S 174° 30.1′ E	**F.R.**	59 **18**	6	Metal tower.	Visible 035°-195°.
3952 *K 3719.2*	-No T1.	35° 47.5′ S 174° 24.6′ E	**Q.G.**	15 **5**	1	STARBOARD (A) G, beacon, topmark.	
3964 *K 3719*	-Stevens Point.	35° 46.5′ S 174° 23.0′ E	**Dir.W.R.G.**	42 **13**	W. 13 R. 12 G. 12	Metal framework tower, orange square daymark; 43.	F.G. 309°36′-311°06′, F.W.-311°36′, F.R.-313°06′.
3972 *K 3720*	Ross.	35° 46.7′ S 174° 23.3′ E	**Fl.(2)R.** period 6s	20 **6**	5	PORT (A) R, beacon, topmark.	
3973 *K 3720.8*	Wellington Rock.	35° 46.6′ S 174° 22.4′ E	**Iso.R.** period 2s	16 **5**	4	PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
3975 *F 3713.5*	Wareware Island.	35° 53.0′ S 174° 41.7′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	138 **42**	6	Green and white metal frame.	Obscured 272°-011°.
3976 *K 3714*	Marotiri, E. Island, E. end.	35° 53.2′ S 174° 46.8′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	476 **145**	9	White metal tower; 10.	Partially obscured by islands of the Hen and Chickens group. Liable to be obscured by fog and mist.
3980 *K 3715*	Taranga, island, W. side.	35° 57.5′ S 174° 41.9′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	390 **119**	9	Metal column, white rectangular daymark; 10.	Visible 209°-227°30′ and 324°-184°, except where obscured by Sail Rock and Marotere Islands.
	MANUKAU HARBOR:						
3981.1 *K 4116.1*	-Wairopa Channel, No 1.	37° 00.9′ S 174° 36.8′ E	**Q.(2)G.** period 3s	7 **2**	2	STARBOARD (A) G, beacon, topmark.	Channel marked by lighted beacons.
	MOKOHINAU ISLANDS:						
3984 *K 3734*	**-Burgess Islet.**	35° 54.4′ S 175° 06.9′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	400 **122**	**19**	White stone tower; 46.	Reserve light range 10M.
3988 *K 3735*	Sentinel Rock.	36° 04.9′ S 174° 36.2′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	4	Column; 7.	
3992 *K 3736.6*	Cape Rodney.	36° 16.7′ S 174° 49.3′ E	**Fl.(4)W.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	174 **53**	8	White metal tower; 13.	Visible 127°30′-358°.
3996 *K 3737*	Leigh Harbor, Panetiki.	36° 17.4′ S 174° 49.1′ E	**Fl.G.** period 5s fl. 0.3s, ec. 4.7s	59 **18**	3	White column; 23.	Visible 193°30′-093°30′.
4000 *K 3736*	Motuhaku, summit.	36° 09.9′ S 175° 17.5′ E	**Fl.W.** period 15s fl. 1s, ec. 14s	390 **119**	9	White metal column; 13.	Obscured by islands on certain bearings.
4004 *K 3737.4*	Whangateau Harbor Entrance.	36° 19.2′ S 174° 47.0′ E	**Q.G.**	13 **4**	2	Black metal post, green triangular topmark point up.	
4006 *K 3738.3*	Maori Rock.	36° 22.9′ S 174° 51.5′ E	**Fl.G.** period 4s fl. 0.5s, ec. 3.5s	20 **6**	2	Green metal pipe; 20.	
4008 *K 3738.2*	Kawati Point, Kawan Island, N. end.	36° 23.5′ S 174° 50.4′ E	**Iso.W.R.** period 6s	112 **34**	W. 8 R. 6	White metal tower; 13.	W. 080°30′-096°12′ (partially obscured 080°30′-083°30′), R.-134°30′, W.-221°42′, R.-241°, W.-271°54′, R.-295°.
4010 *K 3738.4*	Pembles Island.	36° 24.3′ S 174° 49.3′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	39 **12**	1	White pole; 7.	Partially obscured by trees 142°30′-244°30′.
4011 *K 3738.5*	North Cove.	36° 24.7′ S 174° 49.2′ E	**Q.(9)W.** period 15s	10 **3**	1	W. CARDINAL YBY, beacon, topmark; 7.	
4011.5 *K 3738.68*	Half Tide Rock.	36° 23.8′ S 174° 45.4′ E	**V.Q.(3)W.** period 5s	10 **3**	2	E. CARDINAL BYB, beacon, topmark; 7.	
4012 *K 3738.7*	Matakana River, E. entrance.	36° 23.8′ S 174° 44.5′ E	**Fl.G.** period 3s	13 **4**	2	White post.	
4013 *K 3738.71*	-W. entrance.	36° 23.9′ S 174° 44.5′ E	**Fl.R.** period 3s	10 **3**	2	PORT (A) R, beacon, topmark; 10.	
4014 *K 3738.64*	Mullet Point.	36° 26.1′ S 174° 46.8′ E	**V.Q.W.**	10 **3**	2	N. CARDINAL BY, beacon, topmark; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4016 *K 3738.6*	Dyson on Martello Rock.	36° 25.9′ S 174° 48.5′ E	**Fl.(3)W.R.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	26 **8**	W. 8 R. 6	White metal column; 13.	W. 018°42′-103°42′, R.-171°, W.-201°, R.-342°18′, W.-349°12′, R.-018°42′.
4020 *K 3738*	Flat Rock, Kawau Island, E.	36° 26.7′ S 174° 55.5′ E	**Fl.W.** period 7s fl. 1s, ec. 6s	44 **13**	8	White tower, concrete base; 26.	
4024 *K 3739*	Motuketekete.	36° 28.2′ S 174° 48.7′ E	**Fl.W.R.** period 10s fl. 1s, ec. 9s	112 **34**	W. 8 R. 5	White metal column; 10.	W. 140°18′-191°30′, R.-221°06′, W.-009°30′.
4025 *K 3739.5*	Te Haupa Island.	36° 30.9′ S 174° 44.8′ E	**V.Q.(6)+L.Fl.W.** period 15s	10 **3**	2	S. CARDINAL YB, beacon, topmark.	
4028 *K 3740*	**Tiritiri Matangi Island.**	36° 36.3′ S 174° 53.8′ E	**Fl.W.** period 15s	299 **91**	**18**	White round metal tower; 66.	Obscured within 4M by NW end of island.
4032 *K 3741*	Huaroa Point.	36° 35.6′ S 174° 50.3′ E	**Fl.W.R.** period 5s fl. 1s, ec. 4s	121 **37**	W. 8 R. 5	White metal column; 13.	R. 092°30′-136°, W.-345°30′, except where obscured by island.
4032.5 *K 3741.5*	Hobbs Bay, Gulf Harbor Marina.	36° 37.5′ S 174° 47.2′ E	**Fl.W.R.** period 3s fl. 0.6s, ec. 2.4s	16 **5**	W. 5 R. 3	Metal mast; 13.	R.302°00′-326°48′, W.-025°06′, R.-053°.
4032.6 *K 3741.51*	-Gulf Harbor Range, front.	36° 37.4′ S 174° 47.4′ E	**Q.W.**				Mark lines of deep water channel.
4032.61 *K 3741.52*	--Rear, 040° from front.	36° 37.4′ S 174° 47.4′ E	**Q.W.**				
4032.7 *K 3741.81*	-Marina Range, front.	36° 37.1′ S 174° 47.4′ E	**Q.W.**			Pole.	Mark lines of deep water channel.
4032.71 *K 3741.82*	--Rear, 025° from front.	36° 37.1′ S 174° 47.4′ E	**Q.W.**			Pole.	
4033 *K 3741.6*	Hobbs Bay, E. breakwater.	36° 37.6′ S 174° 47.2′ E	**Oc.G.** period 5s lt. 3s, ec. 2s	10 **3**	2	Metal post; 7.	
4034 *K 3741.65*	-W. breakwater.	36° 37.5′ S 174° 47.2′ E	**Oc.R.** period 5s lt. 3s, ec. 2s	10 **3**	2	Metal post; 7.	
4034.1 *K 3741.71*	-No 1.	36° 37.7′ S 174° 47.2′ E	**Q.G.**	10 **3**	2	STARBOARD (A) G, beacon, topmark.	
4034.2 *K 3741.72*	-No 2.	36° 37.6′ S 174° 47.1′ E	**Q.R.**	10 **3**	2	PORT (A) R, beacon, topmark.	
4035 *K 3741.91*	Long Bay Marine Reserve, NW.	36° 39.0′ S 174° 43.6′ E	**Fl.(5)Y.** period 20s	16 **5**	1	Pole.	
4035.3 *K 3741.92*	-NE.	36° 39.0′ S 174° 44.7′ E	**Q.R.**	7 **2**	1	PORT (A) R, beacon, topmark.	
4035.5 *K 3741.93*	-SW.	36° 41.8′ S 174° 45.7′ E	**Fl.(5)Y.** period 20s	16 **5**	1	Pole.	
4035.7 *K 3741.94*	-Tipau Point.	36° 42.7′ S 174° 45.8′ E	**Q.(2)G.** period 5s	7 **2**	1	STARBOARD (A) G, beacon, topmark.	
4036 *K 3742*	The Noises, on Maria Island.	36° 42.5′ S 175° 00.3′ E	**Fl.(3)W.R.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	125 **38**	W. 7 R. 4	White column; 13.	W. 231°48′-279°12′, R.-289°30′, W.-058°, R.-231°48′.
4039 *K 3845.3*	Motutapu Island, E. point.	36° 44.5′ S 174° 56.1′ E	**Fl.G.** period 2s fl. 0.5s, ec. 1.5s	21 **6**	1	White post; 7.	
4044 *K 3743*	Wairau River.	36° 45.8′ S 174° 45.9′ E	**Dir.W.R.G.**	13 **4**	1	Column.	F.G. 265°48′-270°12′, F.W.-270°42′, F.R.-275°12′.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
	AUCKLAND HARBOR:						
4046 *K 3743.2*	-Rahopara Point, Milford Reef.	36° 45.6′ S 174° 46.3′ E	**Fl.G.** period 5s	10 **3**	2	STARBOARD (A) G, beacon, topmark.	
4048 *K 3744*	-Rangitoto Island.	36° 46.9′ S 174° 49.3′ E	**Fl.R.** period 12s fl. 1.5s, ec. 10.5s	69 **21**	7	Red concrete tower, white bands.	
4051 *K 3744.1*	-Duder Spit Rock.	36° 47.6′ S 174° 49.4′ E	**Q.(3)R.** period 8s	7 **2**	1	PORT (A) R, beacon, topmark.	
4052 *K 3745*	**-Approach.**	36° 47.9′ S 174° 47.3′ E	**Dir.W.R.G.**	75 **23**	W. **21** R. **17** G. **17**	Metal column.	F.G. 213°30′-214°30′, Al.G.W.-215°30′, F.W.-216°30′, Al.W.R.-217°30′, F.R.-218°30′. Range 4M by day.
4056 *K 3746*	-Rangitoto Channel Range, front.	36° 49.5′ S 174° 50.5′ E	**Fl.(2)W.** period 4s fl. 0.4s, ec. 1s fl. 0.4s, ec. 2.2s	33 **10**	14	White concrete pile structure, red bands.	Range 4M by day.
4060 *K 3746.1*	--Rear, 1.5 miles 142°09′ from front.	36° 50.6′ S 174° 51.7′ E	**Dir.W.R.G.**	26 **8**	W. 12 R. 11 G. 11	White pile, red square daymark.	F.G. 141°00′-141°30′, F.W.-142°48′, F.R.-143°18′.
4064 *K 3748*	-Bean Rocks.	36° 50.0′ S 174° 49.9′ E	**Fl.(3)W.R.** period 8s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s	50 **15**	W. 14 R. 11	White metal framework tower.	R. 050°-070°, W.-086°, R.-156°, W.-164°, R.-244°, W.-260°, R.-284°. **Bell:** 1 bl. ev. 60s (stroke 5s, si. 55s).
4072 *K 3756*	-Okahu Point, Orakei Wharf, NE corner.	36° 50.6′ S 174° 48.9′ E	**Oc.R.** period 6s lt. 4s, ec. 2s	26 **8**	3	Tower.	
	-Orakei Boat Harbor:						
4076 *K 3758*	--E. detached breakwater, E. head.	36° 50.7′ S 174° 48.9′ E	**V.Q.(4)G.** period 7s	13 **4**	2	Pile.	
4080 *K 3758.2*	---W. head.	36° 50.7′ S 174° 48.5′ E	**V.Q.(4)R.** period 7s	13 **4**	2	Pile.	
4084 *K 3758.4*	--W. detached breakwater, E. head.	36° 50.8′ S 174° 48.5′ E	**V.Q.(4)G.** period 7s	13 **4**	2	Pile.	
4088 *K 3758.6*	---W. head.	36° 50.9′ S 174° 47.9′ E	**V.Q.(4)R.** period 7s	13 **4**	2	Pile.	
4090 *K 3759*	--Hobson Point.	36° 51.1′ S 174° 48.3′ E	**Fl.R.** period 5s	10 **3**	2	Wooden pile, red square daymark; 10.	
	-Devonport:						
4096 *K 3767*	--Calliope Dock Pier, near extremity.	36° 49.9′ S 174° 47.3′ E	**F.R.**	22 **7**			
4097 *K 3768*	--Calliope South Wharf, SE corner.	36° 49.9′ S 174° 47.2′ E	**2 F.R.** (vert.)	36 **11** 30 **9**			2 meters apart.
4098 *K 3768.2*	---SW. corner.	36° 49.9′ S 174° 47.0′ E	**2 F.G.** (vert.)	36 **11**			2 meters apart.
4105 *K 3771*	-Mechanics Bay, breakwater, head.	36° 50.8′ S 174° 47.3′ E	**Oc.R.** period 6s lt. 4s, ec. 2s	16 **5**	3	Wooden pile.	
4106 *K 3772*	--Elbow.	36° 50.7′ S 174° 47.3′ E	**V.Q.(2+1)G.** period 6s	16 **5**	3	Wooden pile.	
4107 *K 3773*	-Compass Dolphin.	36° 50.6′ S 174° 47.5′ E	**Fl.(2)W.** period 4s	16 **5**	3	ISOLATED DANGER BRB, pile, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4108 *K 3774*	-Fergusson Container Terminal.	36° 50.4′ S 174° 47.0′ E	**F.R.Y.R.** (vert.)	16 **5**	2	Metal post.	Visible 197°-343°. Flashes for 3 minutes when vessels are underway in the commercial area. LED.
4146 *K 3770*	Bayswater Wharf Approach Channel, S. end.	36° 49.7′ S 174° 46.0′ E	**Fl.R.** period 3s	7 **2**		Metal pile, red square daymark; 20.	Channel marked by light beacons.
4147 *K 3770.01*	-No 1.	36° 49.7′ S 174° 46.0′ E	**Fl.G.** period 3s	16 **5**	1	STARBOARD (A) G, beacon, topmark.	
4148 *K 3770.03*	-No 2.	36° 49.5′ S 174° 46.0′ E	**Fl.(2)R.** period 5s	16 **5**	1	PORT (A) R, beacon, topmark.	
	-Freemans Bay:						
4150 *K 3797.2*	--Viaduct Harbor, E. breakwater.	36° 50.4′ S 174° 45.7′ E	**F.R.**	16 **5**			
4151 *K 3797.4*	---W. breakwater.	36° 50.4′ S 174° 45.7′ E	**F.G.**	16 **5**			
4168 *K 3798*	--Wynyard Wharf Range, front.	36° 50.4′ S 174° 45.4′ E	**F.Bu.**	26 **8**	2	Building, yellow triangular daymark point up.	LED.
4169 *K 3798.1*	---Rear, 55 meters 229°45′ from front.	36° 50.5′ S 174° 45.4′ E	**F.Bu.**	43 **13**	2	Building, yellow rectangular daymark.	LED.
	-Westhaven Boat Harbor.						
4176 *K 3800*	--E. Entrance, E. side.	36° 50.2′ S 174° 45.4′ E	**Oc.R.** period 6s	10 **3**	5	PORT (A) R, beacon, topmark.	
4177 *K 3818*	---W. side.	36° 50.2′ S 174° 45.2′ E	**Fl.G.** period 5s fl. 0.7s, ec. 4.3s	10 **3**	5	White concrete pillar.	Five F.W. on bulk cement jetty 0.2 mile S.
4178 *K 3819*	--S. Mole, off, head.	36° 50.3′ S 174° 45.2′ E	**Oc.G.** period 6s lt. 4s, ec. 2s	10 **3**	6	Wooden pile, green triangular daymark point up.	
4179 *K 3820*	--W. Entrance, E. side.	36° 50.1′ S 174° 44.9′ E	**Oc.R.**	16 **5**	5	Wooden pile.	
4180 *K 3822*	---W. side.	36° 50.1′ S 174° 44.9′ E	**Oc.G.**	16 **5**	5	Wooden pile.	
4181 *K 3829*	-Harbor Bridge.	36° 49.8′ S 174° 44.8′ E	**F.Y.G.R.** (vert.)	161 **49**			On upstream and downstream sides of bridge. Aero.Q.R. and 5 F.R. lights mark top of bridge. **Horn:** (120 meters SSW.) 1 bl. ev. 8s (bl. 2s, si. 6s).
4182 *K 3832*	Kauri Point.	36° 49.4′ S 174° 41.8′ E	**F.G.**	10 **3**	2	White tower, metal pile; 10.	
4184 *K 3847*	Browns Island, off N. side.	36° 49.4′ S 174° 53.9′ E	**Fl.W.R.** period 4s fl. 1s, ec. 3s	32 **10**	W. 6 R. 4	Yellow metal tripod tower.	R. 060°-082°, W.-096°, R.-217°, W.-222°, R.-274°, W.-287°, R.-351°. **Radar reflector.**
4188 *K 3847.5*	Iliomoana Rock.	36° 48.5′ S 174° 53.2′ E	**Q.W.R.**	7 **2**	W. 5 R. 3	Black and white metal pile.	R. 062°-249°30′, W.-062°. **Radar reflector.**
4192 *K 3845*	Motuihe Wharf, extension, head.	36° 48.4′ S 174° 56.1′ E	**Q.W.**	14 **4**			
4193 *K 3845.1*	Motuihe channel.	36° 47.7′ S 174° 56.2′ E	**Fl.R.** period 3s	10 **3**	1	PORT (A) R, beacon, topmark.	
4193.1 *K 3845.2*	Motuike Island, E. point.	36° 48.5′ S 174° 57.7′ E	**Q.(3)W.** period 10s	7 **2**	1	E. CARDINAL BYB, beacon, topmark.	
4194 *K 3845.25*	Emu Point.	36° 47.8′ S 174° 54.9′ E	**V.Q.(6)+L.Fl.W.** period 10s	10 **3**	2	S. CARDINAL YB, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4196 *K 3845.4*	Matiatia Bay.	36° 46.8′ S 174° 59.5′ E	**Dir.Oc.W.R.G.** period 6s	66 **20**	3	White metal structure.	G. 074°24′-076°24′, W.-077°54′, R.-079°54′.
4204 *K 3846*	Putiki Bay.	36° 48.8′ S 175° 01.3′ E	**Fl.W.R.** period 10s fl. 1s, ec. 9s	65 **20**	W. 7 R. 5	White metal column; 10.	R. 226°-301°30′, W.-076°48′, R.-102°30′. Obscured by Park Point 093°-096°18′.
4208 *K 3850.55*	Maraetai, S. breakwater, head.	36° 52.6′ S 175° 02.5′ E	**Q.R.**	7 **2**	3	Red metal pole.	Q.G. 2m 3M marks head of N. breakwater.
4212 *K 3848*	Tamaki, W. head.	36° 50.5′ S 174° 52.6′ E	**Mo.(N)W.R.** period 6.5s fl. 1s, ec. 0.5s fl. 0.3s, ec. 4.7s	16 **5**	W. 7 R. 5	White pile beacon, white triangular daymark point up, red bands.	W. 103°42′-323°42′, R.-103°42.
4216 *K 3848.5*	-E. side.	36° 50.7′ S 174° 53.7′ E	**Q.R.**	13 **4**	2	PORT (A) R, beacon, topmark.	
4220 *K 3846.5*	Musick Point.	36° 50.6′ S 174° 54.0′ E	**Oc.R.** period 6s	13 **4**	3	PORT (A) R, beacon, topmark.	
	FIRTH OF THAMES:						
4224 *K 3852*	-Sandspit Passage.	36° 54.0′ S 175° 11.0′ E	**Fl.W.R.** period 2s fl. 0.5s, ec. 1.5s	20 **6**	W. 7 R. 4	White metal column, wooden piles; 20.	W. 091°18′-124°, R.-287°48′, W.-303°18, R.-000°. Obscured by Ponui Island 139°-277°.
4228 *K 3850.6*	-Passage Rock.	36° 51.4′ S 175° 07.8′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	45 **14**	8	White metal tower; 3.	
4232 *K 3851*	-Pakatoa Island, NW. end of wharf.	36° 47.6′ S 175° 11.3′ E	**2 F.R.** (vert.)	13 **4**	2	Gray metal mast; 13.	
4235 *K 3853*	-Wharekawa Quarry, N. end of channel.	37° 03.8′ S 175° 18.0′ E	**Q.G.**	20 **6**	3	Post, concrete pier; 10.	
4235.5 *K 3854*	-S. end of channel.	37° 03.8′ S 175° 18.0′ E	**Q.R.**	26 **8**	3	On wreck; 13.	
4235.7 *K 3855*	-Kaiaua Boat Ramp.	37° 06.6′ S 175° 18.1′ E	**F.W.**	10 **3**	2	Grey metal pole; 10.	
4236 *K 3856*	-Piako River entrance.	37° 10.1′ S 175° 29.6′ E	**Fl.W.R.** period 3s fl. 0.3s, ec. 2.7s	10 **3**	W 5 R 3	Red pile beacon.	W. 138°24′-153°48′, R.-346°36′, W.-002°48′, R.-138°24′.
	-Waihou River:						
4240 *K 3868*	--Outer Channel, N. side.	37° 09.2′ S 175° 30.7′ E	**Fl.R.** period 5s fl. 0.6s, ec. 4.4s	16 **5**	3	Red pile beacon.	F.W. marks passage through Hauraki Bridge 3.3 miles SE.
4244 *K 3860*	--Kauaeranga Channel, sewer outfall, outer end.	37° 08.2′ S 175° 31.3′ E	**Fl.R.** period 15s	13 **4**	3	White square structure, piles; 13.	
4248 *K 3862*	--Kauaeranga Channel, N. side, No 6.	37° 09.0′ S 175° 32.0′ E	**Q.R.**	13 **4**	3	Red beacon.	
4252 *K 3864*	--Kauaeranga Channel, E. side, No 8.	37° 08.8′ S 175° 32.2′ E	**Q.R.**	13 **4**	3	Red beacon.	
4260 *K 3878*	Coronandel Harbor.	36° 48.3′ S 175° 24.1′ E	**L.Fl.W.** period 8s fl. 2s, ec. 6s	108 **33**	9	Square concrete tower; 10.	
4262 *K 3879.5*	-Sugarloaf Ramp Point.	36° 48.3′ S 175° 28.4′ E	**Fl.W.** period 20s	39 **12**	3	Metal post; 23.	
4263 *K 3879.8*	-Whangarahi Stream.	36° 46.0′ S 175° 29.0′ E	**Fl.(3)G.** period 20s	26 **8**	2	STARBOARD (A) G, pole, topmark; 26.	
4264 *K 3880*	-Wharf, head.	36° 45.8′ S 175° 29.0′ E	**F.R.**	26 **8**	2	Metal post; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4266 *K 3880.5*	-Little Passage.	36° 46.2′ S 175° 27.4′ E	**Fl.(3)G.** period 10s	26 **8**	2	STARBOARD (A) G, pole, topmark; 26.	
4268 *K 3879*	Tekouma Head, S. end.	36° 49.5′ S 175° 25.4′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	128 **39**	5	Metal column; 13.	
4272 *K 3882*	Channel Island.	36° 25.3′ S 175° 19.9′ E	**Fl.(2)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	259 **79**	9	White metal tower; 13.	
4276 *K 3736.2*	Tryphena Point.	36° 19.2′ S 175° 28.8′ E	**Fl.(3)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2.5s	85 **26**	4	White metal column; 10.	
4280 *K 3888*	Port Charles.	36° 30.7′ S 175° 29.4′ E	**Fl.(4)W.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	509 **155**	9	Metal column; 13.	
4284 *K 3886*	**Cuvier Island.**	36° 26.4′ S 175° 47.1′ E	**Fl.W.** period 15s fl. 0.1s, ec. 14.9s	390 **119**	**19**	White metal tower; 49.	Obscured 086°-129° within 8M, obscured off Cape Colville when bearing more than 089°. Reserve light range 10M.
4288 *K 3892*	Ohinau Island, near W. point.	36° 43.6′ S 175° 52.6′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	344 **105**	9	White round metal tower; 13.	
4292 *K 3890*	Old Man Rock.	36° 42.6′ S 175° 50.8′ E	**Fl.W.** period 2s fl. 0.5s, ec. 1.5s	210 **64**	8	Concrete pedestal.	
4296 *K 3893*	Whitianga, entrance.	36° 49.6′ S 175° 42.8′ E	**Fl.W.R.** period 3s fl. 0.3s, ec. 2.7s	99 **30**	W. 7 R. 4	White mast; 16.	W. 060°-239°, R.-246°, W.-301°24′. Partially obscured by Motukorure Island.
4300 *K 3896*	Slipper Island, E. side.	37° 02.9′ S 175° 57.2′ E	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	338 **103**	9	White metal tower; 13.	Visible 044°-056°, 092°-125°, and 148°30′-041°.
4304 *K 3897*	Whangamata Entrance Range, front.	37° 12.0′ S 175° 53.0′ E	**F.R.**	33 **10**	4	Gray concrete post, neon rectangular daymark.	
4308 *K 3897.1*	-Rear, 18 meters 288°17′ from front.	37° 12.3′ S 175° 52.7′ E	**F.R.**	39 **12**	4	Gray concrete post, neon rectangular daymark.	
4309 *K 3897.2*	-Outer.	37° 12.2′ S 175° 53.0′ E	**Q.G.**	10 **3**	2	STARBOARD (A) G, beacon, topmark.	
4310 *K 3897.3*	-Inner.	37° 12.1′ S 175° 52.8′ E	**Q.G.**	10 **3**	1	STARBOARD (A) G, beacon. topmark.	
4312 *K 3898*	Mayor Island, S. extremity.	37° 18.6′ S 176° 15.5′ E	**Fl.(3)W.R.** period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 11.5s	99 **30**	W. 7 R. 4	White metal column; 13.	W. 236°-248°30′, R.-274°30′, W.-094°30′.
	TAURANGA HARBOR:						
4316 *K 3899*	**-The Mount.**	37° 37.6′ S 176° 10.4′ E	**Fl.W.** period 15s	262 **80**	**24**	White square concrete structure; 3.	Visible 132°-311°30′. F.R. 0.2 mile S.
4318 *K 3899.05*	-Beacon A.	37° 36.1′ S 176° 10.7′ E	**V.Q.(3)W.** period 5s	46 **14**	6	E. CARDINAL BYB, beacon, topmark.	**Radar reflector.**
4320 *K 3899.1*	-North Rock.	37° 37.4′ S 176° 10.5′ E	**Fl.W.R.** period 3s fl. 0.3s, ec. 2.7s	36 **11**	W. 3 R. 2	Red metal column, concrete base; 16.	R. 273°-003°, W.-273°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4328 *K 3899.4*	-No 1 Reach Range, front.	7° 38.0′ S 176° 09.5′ E	**F.G.**	36 **11**		Beacon, white neon rectangular daymark, black stripe; 43.	
	-Cutter Channel, outbound, 298°15′.		**Dir.W.R.G.**	39 **12**	W. 6 R. 4 G. 4		F.G. 292°30′-293°, Al.W.G.-298° (W. phase increasing with bearing), F.W.-298°30′, Al.W.R.-303°30′, (R. phase increasing with bearing), F.R.-305°30′, Iso.R.-307°30′.
	--209°.		**Dir.W.R.G.**	39 **12**			Al.W.G. 207°15′-208°08′, F.W.-209°53′, Al.W.R.-210°45′ (Directional approach light operated on request only, contact Port of Tauranga).
4332 *K 3899.41*	--Rear, 252 meters 209° from front.	37° 38.1′ S 176° 09.4′ E	**F.G.**	56 **17**		Beacon, white neon triangular daymark point down, black stripe.	F.R. at close NW. and .14M NNE. in line 217°, mark E. boundary of No 1 Reach dredged channel.
4336 *K 3899.2*	-Northwest Rock.	37° 37.7′ S 176° 10.0′ E	**Fl.W.** period 2s fl. 0.3s, ec. 1.7s	23 **7**	5	Metal column.	
4340 *K 3899.7*	-No 2 Reach Range, front.	37° 38.9′ S 176° 09.8′ E	**Iso.G.** period 2s	36 **11**	6	Concrete pile beacon, white triangular daymark point up.	
			Dir.W.R.G.	13 **4**	8		Q.G. 177°30′-179°42′, Q.W.-180°12′, Q.R.-187°30′.
4344 *K 3899.8*	--Rear, 752 meters 180°10′ from front.	37° 39.3′ S 176° 09.8′ E	**Dir.W.R.G.**	16 **5**		Metal tripod, concrete base, orange triangular daymark point up; 49.	F.G. 175°12′-175°54′, Al.W.G.-179°54′ (W. phase increasing with bearing), F.W.-180°24′, Al.W.R.-184°24′ (R. phase increasing with bearing), F.R.-185°12′.
4348 *K 3900*	-Stoney Point.	37° 38.2′ S 176° 10.1′ E	**Q.(2)R.** period 3s	20 **6**	4	PORT (A) R, beacon, topmark; 3.	
4352 *K 3900.4*	-Beacon No 1.	37° 38.3′ S 176° 10.2′ E	**V.Q.(9)W.** period 10s	16 **5**		W. CARDINAL YBY, beacon, topmark.	
4364 *K 3903*	--No 7.	37° 38.4′ S 176° 10.7′ E	**Q.(6)+L.Fl.W.** period 15s	13 **4**	4	S. CARDINAL YB, beacon, topmark.	
4366 *K 3904*	-Salisbury Ferry Jetty, elbow.	37° 38.4′ S 176° 10.9′ E	**F.W.R.** (vert.)	30 **9**	2	Mast.	Visible 358°-133°. One meter apart.
4368 *K 3904.1*	-Tug Berth Jetty, head.	37° 38.5′ S 176° 10.9′ E	**2 F.Y.** (vert.)				
4377 *K 3904.3*	--Cutter Channel.	37° 38.7′ S 176° 11.1′ E	**F.G.**	128 **39**		Framework tower, triangular neon daymark point down.	
4381 *K 3904.5*	-Mount Maunganui Wharf, N. end.	37° 38.5′ S 176° 10.9′ E	**2 F.G.** (vert.)	23 **7**	5		
4382 *K 3905.1*	--Ro Ro berth.	37° 39.0′ S 176° 11.0′ E	**2 F.R.** (vert.)				
4383 *K 3907*	--S. end.	37° 39.6′ S 176° 10.9′ E	**2 F.Y.** (vert.)	33 **10**	2	Column.	Visible 008°-188°.
4392 *K 3919*	-Western Channel, Hunters Creek.	37° 38.4′ S 176° 08.1′ E	**Q.(2+1)G.** period 6s	23 **7**	5	PREFERRED CHANNEL (A) GRG, beacon, topmark.	Western channel marked by lighted buoys and beacons.
4394 *K 3920.6*	-W. Otumoetai.	37° 39.1′ S 176° 08.8′ E	**Q.(9)W.** period 15s	10 **3**	2	W. CARDINAL YBY, beacon, topmark.	
4396 *K 3906*	-The Leaner, No 19.	37° 39.4′ S 176° 10.6′ E	**Q.(2+1)G.** period 6s		5	PREFERRED CHANNEL (A) GRG, beacon, topmark.	Marks entrance to Otumoetai channel, marked by lighted beacons.

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			NEW ZEALAND-NORTH ISLAND				
4397.5 *K 3920.21*	--Marina Fuel Pier.	37° 39.6′ S 176° 09.9′ E	**3 F.R.** (vert.)	18 **5**	2		1 meter apart.
4398 *K 3920.35*	-Otumoetai Channel, beacon C.	37° 39.5′ S 176° 09.8′ E	**Q.(2+1)R.** period 6s			PREFERRED CHANNEL (A) RGR, beacon, topmark.	Visible 249°30′-118°.
4399 *K 3911*	-Tanker Berth, N. end.	37° 39.9′ S 176° 10.8′ E	**F.W.Y.** (vert.)				
4400 *K 3911.1*	--S. end.	37° 39.9′ S 176° 10.8′ E	**F.W.G.** (vert.)				
4401 *K 3912*	-Butters Crane Landing.	37° 40.1′ S 176° 10.8′ E	**F.R.W.** (vert.)	20 **6**		Beacon.	F.R. lights on chimneys 0.1 mile NE. Identification lights for Aerodrome Wharf, Whareroa Point.
4402 *K 3916*	-Mission Point Slipway.	37° 40.4′ S 176° 10.4′ E	**3 F.G.** (vert.)			Pile.	
4403 *K 3917*	-Coronation Pier.	37° 41.0′ S 176° 10.3′ E	**F.W.**	20 **6**			
4408 *K 3922*	Motiti Island.	37° 36.4′ S 176° 25.1′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	207 **63**	8	White metal column; 13.	
4409 *K 3924*	**Whakatane** AVIATION LIGHT.	37° 55.5′ S 176° 54.9′ E	**Fl.W.** period 3.7s	46 **14**	**15**		Occasional.
4428 *K 3929*	Cape Runaway.	37° 32.3′ S 177° 59.0′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	187 **57**	9	White fiberglass tower; 10.	
4432 *K 3930*	Matakaoa Point.	37° 33.4′ S 178° 18.8′ E	**Fl.(4)W.** period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	67 **20**	8	White square metal tower; 13.	Visible 105°-303°.
4436 *K 3932*	**East Cape.**	37° 41.3′ S 178° 32.9′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	505 **154**	**19**	White round metal tower; 46.	Visible 140°-146° and 153°-026°, except where obscured by East Island. Reserve light range 10M.
4456 *K 3950*	**Gable End Foreland.**	38° 31.5′ S 178° 17.4′ E	**Fl.W.** period 15s fl. 0.1s, ec. 14.9s	689 **210**	**19**	White metal tower; 13.	
4460 *K 3954*	Tuaheni Point.	38° 42.1′ S 178° 03.9′ E	**L.Fl.W.** period 8s fl. 2s, ec. 6s	420 **128**	10	White metal column; 13.	
	GISBORNE:						
4464 *K 3958*	-W. of Turanganui River on Waikanae Beach Range, front.	38° 40.5′ S 177° 59.3′ E	**F.G.**	39 **12**	7	Metal framework tower, orange neon triangular daymark point up, black stripe; 33.	
4468 *K 3958.1*	--Rear, 400 meters 332°06′ from front.	38° 40.3′ S 177° 59.1′ E	**F.G.**	69 **21**	7	Metal framework tower, orange neon triangular daymark point down, black stripe; 69.	AERO Fl.W. 5s (occasional) 0.6 mile N.
4472 *K 3962*	-S. breakwater, head.	38° 40.7′ S 178° 01.1′ E	**Iso.G.** period 3s	20 **6**	4	Green metal tower.	Visible 349°-236°.
4473 *K 3962.15*	-Butlers Wall, S. end.	38° 40.6′ S 178° 01.2′ E	**Iso.R.** period 3s	20 **6**	4	Red tubular structure; 13.	
4476 *K 3966*	-Entrance Channel Range, front.	38° 40.4′ S 178° 01.6′ E	**F.W.R.G.**	23 **7**		Black metal tower, orange triangular daymark point up, black stripe; 23.	R. 043°06′-050°30′ over Tokomaru Rock, W.-052°54′, G.-056°06′, R.-064°42′, W.-068°30′.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4480 *K 3966.1*	--Rear, 270 meters 054°31′ from front.	38° 40.3′ S 178° 01.8′ E	**F.G.**	36 **11**		Black metal tower, orange neon triangular daymark point down, black stripe; 36.	
4484 *K 3969*	Table Cape.	39° 06.8′ S 177° 59.7′ E	**Fl.(3)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	617 **188**	9	White round tower; 10.	May be obscured 028°-031° by Portland Island.
4488 *K 3970*	Portland Island, S. extremity.	39° 18.3′ S 177° 52.1′ E	**Fl.W.** period 15s fl. 1s, ec. 14s	318 **97**	9	White metal tower; 13.	
	NAPIER:						
4496 *K 3980.05*	-AVIATION LIGHT.	39° 26.2′ S 176° 52.0′ E	**Oc.R.** period 1.5s	26 **8**			Obstruction. Occasional.
4506 *K 3981*	**-Westshore.**	39° 27.5′ S 176° 52.3′ E	**Fl.W.R.G.** period 10s fl. 0.3s, ec. 9.7s	49 **15**	W. **16** R. 13 G. 13	White metal tower; 43.	W. 228°-248°, R.-272°, G.-278°18′ and R. 281°36′-287°36′.
			Dir.W.R.G.	49 **15**	14		F.G. 278°15′-279°30′, F.W.-280°30′, F.R.-281°45′. Range 4M by day.
4516 *K 3984*	-Inner harbor, on E. pier.	39° 28.7′ S 176° 53.8′ E	**Dir.W.R.G.**	33 **10**	11	Blue hut; 13.	G. 202.1°-204.4°, W.-205.6°, R.-209.6°.
			Iso.R. period 4s	33 **10**	6		Range 3M by day.
4517 *K 3981.6*	--W. entrance.	39° 28.7′ S 176° 53.7′ E	**Fl.(5)G.** period 20s	13 **4**	4	Green wooden pile; 7.	
4520 *K 3982.5*	Napier Approach.	39° 28.7′ S 176° 54.5′ E	**Dir.W.R.G.Y.**	23 **7**	11	White tower; 13.	Y. 179°-181°, G.-182°, W.-184°, R.-189°. Range 2M by day.
4524 *K 3981.7*	-Inner Harbor.	39° 29.1′ S 176° 53.6′ E	**Dir.W.R.G.**	20 **6**	7	Yellow metal tower; 13.	G. 186.8°-191.5°, W.-191.9°, R.-196.6°. Range 1M by day.
4536 *K 3983*	-Breakwater Harbor, front.	39° 28.5′ S 176° 54.8′ E	**F.R.**	62 **19**		Red and yellow pole, red neon triangular daymark point up.	
4540 *K 3983.1*	--Rear, 335 meters 168° from front.	39° 28.6′ S 176° 54.9′ E	**F.R.**	82 **25**		Red and yellow pole, red neon triangular daymark point down.	
4541 *K 3982.7*	-Range, front.	39° 28.5′ S 176° 54.7′ E	**F.Bu.** (neon)	33 **10**	1		
4542 *K 3982.71*	--Rear, 100 meters 171° from front.	39° 28.5′ S 176° 54.7′ E	**F.Bu.** (neon)	62 **19**	1		
4552 *K 3983.2*	-Breakwater, N. end.	39° 28.2′ S 176° 55.2′ E	**V.Q.(2)W.** period 5s fl. 0.3s, ec. 0.3s fl. 0.3s, ec. 4.1s	39 **12**	5	White mast; 30.	
4554 *K 3983.3*	--Mole, head.	39° 28.2′ S 176° 54.9′ E	**Oc.R.** period 3s lt. 2.5s, ec. 0.5s	30 **9**	4	White metal tower; 23.	
4554.1 *K 3983.25*	--Tower.	39° 28.5′ S 176° 55.3′ E	**F.Bu.** (neon)	112 **34**	1	Tower. Floodlit.	
4555 *K 3983.15*	--Inner.	39° 28.4′ S 176° 55.3′ E	**Dir.W.R.G.**	92 **28**	2	Tower. Floodlit.	F.G. 094°-102°, Al.W.G.-107°, F.W.-116°, Al.W.R.-121°, F.R.-129°.
4556 *K 3990*	-N. of Tukituki River Range, front.	39° 35.2′ S 176° 56.2′ E	**F.R.**	23 **7**	10	Pile, orange neon triangular daymark point up.	Marks submarine pipeline.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4560 *K 3990.1*	--Rear, 175 meters 245°49′ from front.	39° 35.3′ S 176° 56.2′ E	**F.R.**	33 **10**	10	White pole, orange neon triangular daymark point up.	
4564 *K 3992*	Cape Kidnappers.	39° 38.7′ S 177° 05.5′ E	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	367 **112**	8	White metal tower; 13.	
4568 *K 3993*	Blackhead Point.	40° 13.0′ S 176° 47.2′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	134 **41**	9	White metal tower; 13.	
4572 *K 3994*	**Castle Point.**	40° 54.0′ S 176° 13.9′ E	**Fl.(3)W.** period 30s fl. 0.2s, ec. 2s fl. 0.3s, ec. 2s fl. 0.2s, ec. 25.3s	171 **52**	**26**	White metal tower; 75.	Visible 209°-029°. Reserve light range 10M.
4576 *K 3998*	Honeycomb Rock.	41° 20.6′ S 175° 49.6′ E	**L.Fl.W.** period 10s fl. 2s, ec. 8s	187 **57**	10	White metal tower; 13.	
4580 *K 4000*	**Cape Palliser.**	41° 36.7′ S 175° 17.4′ E	**Fl.(2)W.** period 20s	256 **78**	**26**	White metal tower, red bands, concrete base; 59.	Reserve light range 10M.
	WELLINGTON HARBOR:						
4584 *K 4004*	-Baring Head.	41° 24.5′ S 174° 52.3′ E	**Oc.W.** period 15s lt. 9s, ec. 6s	286 **87**	10	White concrete tower; 39.	Visible 301°-169°.
4588 *K 4006*	-Pencarrow Head.	41° 21.6′ S 174° 50.9′ E	**Fl.(3)W.R.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	59 **18**	W. 12 R. 10	White tower, concrete base; 56.	W. 000°30′-081°, R.-176°30′, W.-187°30′.
4592 *K 4010*	-Range, front, E. side of entrance channel.	41° 19.1′ S 174° 51.3′ E	**Q.W.**	23 **7**	**21**	White tower, black metal pile structure; 13.	Emergency light range 16M. Reserve light range 19M.
4596 *K 4010.1*	**-Hope Shoal,** rear, 1.34 miles 016°24′ from front.	41° 17.8′ S 174° 51.8′ E	**Iso.W.R.G.** period 4s	56 **17**	W. **22** R. 8 G. 11	Round metal structure, orange and yellow stripes on seaward side of round metal structure.	W. (intens.)014°-019°, W.-123°, W.(intens.)-124°, G.(intens.)-133°, G.-183°, W.(intens.)-218°, R.-357°, W.-014°. Iso.W. 4s 4M by day. Intensified on 014°-019° by request.
4600 *K 4013*	-Seatoun Wharf.	41° 19.1′ S 174° 49.8′ E	**F.R.**	20 **6**		Post, neon rectangular daymark; 10.	
4604 *K 4011*	-Steeple Rock.	41° 19.5′ S 174° 50.7′ E	**Iso.W.R.** period 6s	23 **7**	W. 9 R. 8	White round tower, red band.	W. 133°-190°, R.-015°.
4606 *K 4012*	-Falcon Shoals.	41° 18.3′ S 174° 51.0′ E	**Fl.R.** period 3s	20 **6**	3	Red pile, white bands.	
4608 *K 4054*	-Days Bay, wharf, head.	41° 16.8′ S 174° 54.3′ E	**F.W.G.** (vert.)	23 **7**			
4612 *K 4055*	-Seaview Wharf, S. end, head.	41° 15.5′ S 174° 53.9′ E	**2 F.G.** (vert.)			Dolphin.	
4616 *K 4056*	-Howard Point, wharf, head.	41° 15.2′ S 174° 54.0′ E	**F.G.**				
4617 *K 4057.2*	--Entrance, N.	41° 15.1′ S 174° 54.1′ E	**Q.(2)R.** period 5s			Wooden pile; 7.	
4617.1 *K 4057.4*	---S.	41° 15.1′ S 174° 54.1′ E	**Q.(2)G.** period 5s			Wooden pile; 7.	
4618 *K 4057.5*	-Seaview Marina, outer breakwater, head.	41° 15.1′ S 174° 54.1′ E	**Q.(2)G.** period 5s	16 **5**	2	Wooden mast; 13.	
4619 *K 4057.6*	--Inner breakwater, head.	41° 15.1′ S 174° 54.1′ E	**Q.(2)R.** period 5s	16 **5**	4	Wooden mast; 13.	Visible 071°42′-326°24′.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4619.1 *K 4057*	---Elbow.	41° 15.0′ S 174° 54.0′ E	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	16 **5**	4	Wooden mast; 13.	
4620 *K 4014*	-Somes Island.	41° 15.6′ S 174° 51.8′ E	**L.Fl.W.** period 10s fl. 4s, ec. 6s	95 **29**	7	White tower.	Visible 314°-107°. F.R. 2.5 miles NW. R. lights on radio tower 4.2 miles NW.
4624 *K 4058*	-Petone, wharf, head.	41° 13.8′ S 174° 52.2′ E	**2 F.R.** (vert.)	30 **9**	4		Two meters apart.
	-Lambton Harbor, Wellington:						
4635 *K 4045*	--Thorndon Container Terminal, off SE. end.	41° 16.9′ S 174° 47.4′ E	**Oc.G.** period 3s lt. 2s, ec. 1s	20 **6**		Pile beacon.	**Radar reflector.**
4637 *K 4047*	---SE. end, outer.	41° 16.8′ S 174° 47.4′ E	**F.R.**				
4639 *K 4043*	---Off SW. corner.	41° 16.9′ S 174° 47.1′ E	**F.G.**	20 **6**		Pile beacon.	
4653 *K 4053*	--Berthing.	41° 16.0′ S 174° 47.3′ E	**Q.R.**	33 **10**	3	White metal mast; 20.	
			2 F.R. (horiz.)	20 **6**	1		
4654 *K 4052.2*	--No 2.	41° 16.0′ S 174° 47.3′ E	**F.R.**	10 **3**	3		
4668 *K 4032*	--Chaffers Marina.	41° 17.3′ S 174° 47.0′ E	**Fl.R.** period 5s fl. 1s, ec. 4s		3	Wooden pile.	
4669 *K 4032.1*	---S.	41° 17.4′ S 174° 47.0′ E	**Fl.G.** period 5s fl. 1s, ec. 4s	10 **3**	3	Wooden pile.	
4682 *K 4022*	-Evans Bay, 184°30′.	41° 19.0′ S 174° 48.4′ E	**Iso.W.R.G.** period 4s	26 **8**	4	Gray pole; 16.	G. 180°-182°, W.-187°, R.-189°.
4684 *K 4019.6*	--	41° 18.6′ S 174° 48.4′ E	**Q.G.**	10 **3**	5	Black pile.	
4686 *K 4021.4*	--Breakwater, head.	41° 18.7′ S 174° 48.0′ E	**Q.G.**	10 **3**	2	Pile beacon.	
4688 *K 4024*	-Jerningham Point, on N. extremity of point.	41° 17.1′ S 174° 48.2′ E	**Q.R.**	20 **6**	5	White beacon; 13.	
4692 *K 4021*	-Miramar Wharf, outer end.	41° 18.8′ S 174° 48.6′ E	**2 F.R.** (vert.)	30 **9**			
4696 *K 4021.4*	-Marina entrance.	41° 19.0′ S 174° 48.0′ E	**Q.R.**	10 **3**	2	Pile beacon.	
4704 *K 4020*	-Burnham Wharf, middle of N. end.	41° 18.6′ S 174° 48.7′ E	**2 F.G.** (vert.)	30 **9**			Two meters apart.
4708 *K 4018*	**-Point Halswell.**	41° 17.0′ S 174° 49.6′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	26 **8**	**15**	Black and white checkered concrete tower; 20.	Visible 070°-294°. Red light on mast 0.67M SSE.
4714 *K 4061*	Island Bay Range, front.	41° 20.7′ S 174° 46.3′ E	**F.R.**				Occasional.
4715 *K 4061.1*	-Rear, about 25 meters 012°18′ from front.	41° 20.6′ S 174° 46.3′ E	**F.R.**				Occasional.
4717 *K 4062.1*	Tongue Point.	41° 20.4′ S 174° 39.6′ E	**Fl.W.R.** period 4s fl. 0.8s, ec. 3.2s	144 **44**	W. 9 R. 6	White metal tower; 13.	R. 297°24′-012°, W.-139°18′.
4720 *K 4063.4*	Oteranga Bay, cable area N. limit.	41° 17.7′ S 174° 37.1′ E	**L.Fl.W.R.** period 20s	82 **25**	W. 8 R. 5	Beacon, orange stripe, white triangular daymark point up.	R. 017°-107°, W.-197°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4724 *K 4063*	-S. limit.	41° 19.1′ S 174° 38.1′ E	**Fl.(3)W.R.** period 20s fl. 1.5s, ec. 0.5s fl. 1.5s, ec. 0.5s fl. 1.5s, ec. 14.5s	295 **90**	W. 7 R. 4	Beacon, orange stripe, white triangular daymark point up.	W. 328°-058°, R.-148°.
4728 *K 4066.2*	Ohau Point.	41° 14.4′ S 174° 38.7′ E	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	341 **104**	8	White metal tower; 13.	Visible 094°-231°.
4732 *K 4067*	**Paraparaumu Airport** AVIATION LIGHT.	40° 54.1′ S 174° 59.5′ E	**Fl.W.** period 3.5s	79 **24**	**15**	Tower.	Shown from sunset to 2200. A F.R. light is occasionally shown from a water tower 0.4 mile NW.
4733 *K 4068*	Waikane.	40° 51.8′ S 175° 01.1′ E	**Iso.G.** period 6s	20 **6**	5		Visible 060°-216°.
	WANGANUI RIVER:						
4746 *K 4074*	--S. mole.	39° 57.0′ S 174° 58.9′ E	**Fl.G.** period 1.5s fl. 0.4s, ec. 1.1s	33 **10**	5	Green metal structure; 16.	
4747 *K 4082*	--Te Anau.	39° 56.9′ S 174° 59.5′ E	**Q.G.**	20 **6**	2	On bow of hulk.	Marks wreck Te Anau.
4750 *K 4075*	--N. mole.	39° 56.9′ S 174° 58.8′ E	**Fl.R.** period 1.5s fl. 0.4s, ec. 1.1s	26 **8**	5	Red metal structure; 16.	
4752 *K 4078*	-N. Head Range, front.	39° 56.7′ S 174° 59.4′ E	**F.R.**	52 **16**		White neon rectangular beacon, black "X".	Moved as necessary to mark channel over the bar. Traffic signals.
4756 *K 4078.1*	--Rear, 76 meters 059° from front.	39° 56.7′ S 174° 59.4′ E	**F.R.**	75 **23**		White triangular beacon, black stripe, black neon round daymark, white border.	Range lights altered to agree with channel over bar.
4780 *K 4084*	Patea River, E. side of entrance.	39° 46.2′ S 174° 29.5′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	135 **41**	7	White column, base; 16.	Visible 310°30′-110°30′. F.R. on water tower 14.5 miles NW.
4782 *K 4084.5*	Kupe Platform.	39° 51.0′ S 174° 07.2′ E	**Mo.(U)W.** period 15s	79 **24**	10	Platform.	1 on each corner. **Horn:** Mo.(U) 30s.
	RACON		**U(• • –)**				
4784	Hawera.	39° 35.5′ S 174° 16.9′ E	**F.R.** (neon)			Water tower.	
4786 *K 4089*	Puniho.	39° 11.6′ S 173° 47.5′ E	**Fl.(3)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 **8**	9	White metal tower; 13.	
4788 *K 4088*	**Cape Egmont.**	39° 16.6′ S 173° 45.2′ E	**Fl.W.** period 8s fl. 1s, ec. 7s	108 **33**	**19**	White iron tower; 66.	Visible 352°-200°. Reserve light range 10M.
4792 *K 4087*	Maui A.	39° 33.3′ S 173° 27.0′ E	**Mo.(U)W.** period 15s fl. 0.4s, ec. 0.5s fl. 0.4s, ec. 0.5s fl. 1.2s, ec. 12s	89 **27**	10		**Horn:** Mo.(U) 3 bl. ev. 30s (bl. 0.7s, si. 1s, bl. 0.7s, si. 1s, bl. 2.5s, si. 24.1s).
			Oc.(2)R. period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	161 **49**	11	On NE side.	Visible 226°30′-256°30′, marks pipeline.
			Oc.R. period 10s lt. 6s, ec. 4s	69 **21**	5	On SW side.	Visible 038°-060°, marks pipeline.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4793 *K 4087.5*	**-Maui B.**	39° 38.7′ S 173° 19.0′ E	**Mo.(U)W.** period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 3s, ec. 8s	59 **18**	**15**	At N and S corners.	**Horn:** Mo.(U) 3 bl. ev. 30s (bl. 0.7s, si. 1s, bl. 0.7s, si. 1s, bl. 2.5s, si. 24.1s).
			Fl.(3)R. period 10s	62 **19**	5	On NE side.	Visible 208°30′-252° (marks pipeline).
4795 *K 4084.75*	*FPSO Raroa.*	39° 58.5′ S 173° 17.8′ E	**Mo.(U)W.** period 15s fl. 0.7s, ec. 0.2s fl. 0.7s, ec. 0.2s fl. 1.5s, ec. 11.7s		10	On foremast.	**Horn:** Mo.(U) 3 bl. ev. 30s (bl. 0.75s, si. 1s, bl. 0.75s, si. 1s, bl. 2.5s, si. 24s).
			Mo.(U)R. period 15s fl. 0.7s, ec. 0.2s fl. 0.7s, ec. 0.2s fl. 1.5s, ec. 11.7s		10	On port and starboard bridge wings; 66.	
4795.1 *K 4084.6*	Maari Platform.	39° 59.3′ S 173° 17.5′ E	**Mo.(U)W.** period 15s fl. 0.7s, ec. 0.2s fl. 0.7s, ec. 0.2s fl. 1.5s, ec. 11.7s	89 **27**	10	Platform.	**Horn:** Mo.(U) 3 bl. ev. 30s (bl. 0.75s, si. 1s, bl. 0.75s, si. 1s, bl. 2.5s, si. 24s).
4796 *K 4086*	-Oaonui, N. limit.	39° 22.1′ S 173° 46.9′ E	**F.W.R.**	95 **29**	W. 12 R. 10	Black metal structure, white stripes.	R. 342°-057°, W.-132°. Marks northern boundary of Maui prohibited anchorage area.
4800 *K 4085*	--S. limit.	39° 25.6′ S 173° 49.2′ E	**Iso.W.R.** period 6s	121 **37**	W. 12 R. 10	Black metal structure, white stripes; 36.	W. 347°-062°, R.-137°. Marks southern boundary of Maui prohibited anchorage area.
	NEW PLYMOUTH:						
4804 *K 4090*	-Mikotahi.	39° 03.3′ S 174° 01.8′ E	**Fl.(2)W.** period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	98 **30**	10	Gray metal tower, white top.	Visible 066°-127°, 133°-159°, and 171°-242°.
4806 *K 4093.3*	-Turning Basin Center.	39° 03.1′ S 174° 02.3′ E	**Fl.Y.** period 5s	13 **4**	1	White pole; 3.	Visible 280°-063°.
4808 *K 4092*	-Outer breakwater, head.	39° 03.0′ S 174° 02.5′ E	**Fl.G.** period 2s fl. 0.4s, ec. 1.6s	43 **13**	10	Black mast, orange bands; 20.	Fl.Y. 2s marks wave recorder 480 meters SE.
4812 *K 4092.8*	-Lee breakwater, head.	39° 03.3′ S 174° 02.7′ E	**Q.(4)R.** period 6s	43 **13**	5	Black column, yellow bands; 30.	
4820 *K 4093*	-Entrance Range, front.	39° 03.7′ S 174° 02.5′ E	**2 V.Q.R.**	30 **9**	12 5	Orange pyramidal beacon, orange neon circular daymark.	Red strip light, 1 meter long.
4824 *K 4093.1*	--Rear, 140 meters 197°16′ from front.	39° 03.7′ S 174° 02.5′ E	**2 V.Q.R.**	66 **20**	12 5	Orange pyramidal beacon, orange neon circular daymark.	Red strip light, 1 meter long.
4825 *K 4094*	-Moturoa Wharf Range, front.	39° 03.4′ S 174° 01.9′ E	**V.Q.W.**	26 **8**	4	Metal mast, orange triangular daymark point up; 23.	
4825.1 *K 4094.1*	--Rear, 121 meters 242°47′ from front.	39° 03.4′ S 174° 01.8′ E	**V.Q.W.**	43 **13**	4	Building, orange triangular daymark point up; 23.	
4826 *K 4094.5*	-Blyde Wharf Range, front.	39° 03.4′ S 174° 02.0′ E	**V.Q.G.**	49 **15**	3	Metal mast, orange triangluar daymark point up; 30.	
4826.1 *K 4094.51*	--Rear, 62 meters 247°31′ from front.	39° 03.5′ S 174° 01.9′ E	**V.Q.G.**	66 **20**	3	Building, orange triangular daymark point up; 39.	
4827 *K 4095*	-Breakwater Berth Range, front.	39° 03.3′ S 174° 02.1′ E	**V.Q.R.**	59 **18**	3	Metal mast; 39.	
4827.1 *K 4095.1*	--Rear, 118 meters 285°06′ from front.	39° 03.3′ S 174° 02.0′ E	**V.Q.R.**	79 **24**	3	Metal mast; 59.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-NORTH ISLAND				
4827.5 *K 4095.2*	-Marina.	39° 03.4′ S 174° 02.8′ E	**Q.R.**	10 **3**	1	Yellow metal pile; 10.	
4828 *K 4091*	-AVIATION LIGHT.	39° 00.5′ S 174° 10.8′ E	**Fl.W.** period 3.7s fl. 0.2s, ec. 3.5s	138 **42**	**15**	Control tower.	Occasional. **Aero Radiobeacon** 0.5 mile N.
4832 *K 4095.5*	Waitara River.	38° 59.9′ S 174° 14.1′ E	**Dir.W.R.G.**	43 **13**	W. 8 R. 6 G. 6	Shed.	F.R. 146°54′-151°18′, F.W.-152°06′, F.G.-156°24′. Vessels should not attempt to enter without recent local knowledge.
4833 *K 4095.8*	Pohokura B.	38° 54.7′ S 174° 16.3′ E	**2 Mo.(U)W.** period 15s	79 **24**	10	Platform.	**Horn:** Mo.(U) 3 bl. ev. 30s (bl. 0.7s, si. 1s, bl. 0.7s, si. 1s, bl. 2.5s, si. 24.1s).
			3 Mo.(U)R. period 15s	79 **24**	4		
4836 *K 4096*	Ironsand Terminal.	38° 10.1′ S 174° 42.3′ E	**L.Fl.(2)W.** period 20s	118 **36**	12	Red tower, white bands; 39.	
4844 *K 4104*	Raglan Harbor, Putoetoe Point, front.	37° 48.0′ S 174° 52.0′ E	**F.R.**	23 **7**	12	Orange triangular daymark point up, white border; 23.	
4848 *K 4104.1*	-Middle, 402 meters 089°18′ from front.	37° 48.1′ S 174° 52.1′ E	**F.R.**	43 **13**	12	Orange triangular daymark point up, white border; 30.	
4852 *K 4104.2*	--Rear, about 926 meters 089°18′ from front.	37° 48.0′ S 174° 52.4′ E	**F.W.R.G.**	85 **26**	W. **22** R. **20** G. **20**	Orange diamond daymark, white border; 26.	Alignment of white sector may be altered to indicate deepest water.
4856 *K 4107*	-Ninepin Rock.	37° 03.0′ S 174° 30.2′ E	**Fl.(4)W.** period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 14.9s	95 **29**	14	Pedestal; 3.	**Radar reflector.**
	MANUKAU:						
4868 *K 4108*	-Manukau Heads.	37° 03.1′ S 174° 32.7′ E	**Oc.W.** period 6s lt. 4s, ec. 2s	768 **234**	12	White wooden structure.	Visible 028°-130°. Signal station. **Radar reflector.**
4870 *K 4109*	-Papakura Channel.	37° 01.5′ S 174° 40.1′ E	**Dir.W.R.**	13 **4**	7	Red metal tripod structure, red square daymark.	Fl.W. 077°30′-079° (W. phase increasing with bearing), F.W.-081°, Fl.W.R.-082°30′ (R. phase increasing with bearing).
			Q.R.	20 **6**	3		Channel marked by beacons 1-10.
4872 *K 4115*	-Mill Point.	36° 59.4′ S 174° 37.0′ E	**Fl.W.** period 5s	20 **6**	5	Red metal column, white bands.	
4876 *K 4119*	-Onehunga Wharf.	36° 56.0′ S 174° 47.0′ E	**F.R.**	17 **5**	3		
4880 *K 4114*	-Puketuta Island, reef at W. end of island.	36° 57.6′ S 174° 43.7′ E	**Q.W.**	16 **5**	2	Tower.	
4884 *K 4122*	**Piha.**	36° 58.2′ S 174° 28.1′ E	**Fl.W.** period 15s fl. 0.5s, ec. 14.5s	873 **266**	**20**	White concrete tower; 16.	
	KAIPARA HARBOR:						
4888 *K 4132*	-S. head.	36° 25.7′ S 174° 14.2′ E	**Fl.W.** period 7.5s fl. 0.5s, ec. 7s	135 **41**	8	White round tower; 13.	
4890 *K 4133*	-Kaipara River.	36° 29.2′ S 174° 19.4′ E	**Iso.G.** period 5s	7 **2**	5	STARBOARD (A) G, pole, topmark; 7.	

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			NEW ZEALAND-NORTH ISLAND				
4892 *K 4134*	-Shelly Beach, E. side of channel.	36° 31.0′ S 174° 22.7′ E	**Fl.W.R.** period 10s fl. 0.5s, ec. 9.5s	20 **6**	W. 4 R. 2	Red beacon, round concrete base; 7.	R. 082°-123°, W.-082°.
4894 *K 4135*	-Auahine.	36° 36.0′ S 174° 23.1′ E	**Fl.G.** period 6s fl. 1.5s, ec. 4.5s	7 **2**	2	STARBOARD (A) G, pole, topmark; 7.	
4896 *K 4136*	-Helensville, near mouth of Kaipara River.	36° 36.8′ S 174° 24.2′ E	**Fl.G.** period 4s	13 **4**	2	Gray metal beacon; 13.	
4900 *K 4140*	-Sail Point.	36° 11.7′ S 174° 03.7′ E	**Fl.W.R.** period 10s fl. 0.5s, ec. 9.5s	33 **10**	W. 6 R. 4	White round metal tower; 10.	R. 296°-337°, W.-296°.
4904 *K 4130*	-Pouto Point.	36° 21.8′ S 174° 10.9′ E	**Fl.W.** period 5s fl. 0.3s, ec. 4.7s	20 **6**	6	White tower; 13.	Visible 190°-356°.
	HOKIANGA RIVER:						
4908 *K 4152*	-Takataka Rock.	35° 23.0′ S 173° 33.0′ E	**Q.(3)W.** period 10s	7 **2**	2	E. CARDINAL BYB, beacon, topmark.	
	AHIPARA BAY:						
4912 *K 4153*	-Reef Point.	35° 11.1′ S 173° 03.5′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	213 **65**	9	White fiberglass tower; 10.	

Section 5

South Island of New Zealand

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
4916 *K 4180*	-Cape Farewell, Pillar Point.	40° 30.2′ S 172° 42.8′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	546 **166**	9	White metal tower; 13.	
4920 *K 4182*	**Bush End Point.**	40° 32.7′ S 173° 00.5′ E	**Fl.W.R.** period 15s fl. 0.3s, ec. 14.7s	98 **30**	W. **19** R. **15**	White metal framework tower, orange top; 89.	W. 117°-297°, R.-336°48′, W.-089°30′. Reserve light range 10M. **Radar reflector.**
4937 *K 4198*	Main Ledge Range, front.	40° 49.5′ S 172° 53.9′ E	**F.Bu.**	26 **8**	7	Wooden mast, white neon triangular daymark point up.	
4937.1 *K 4198.1*	-Rear, 32 meters 138°50′ from front.	40° 49.5′ S 172° 53.9′ E	**F.Bu.**	33 **10**	7	Wooden mast, neon daymark.	
4940 *K 4199*	Tarakohe Harbor, E. outer mole, head.	40° 49.2′ S 172° 53.6′ E	**Fl.R.** period 5s fl. 1s, ec. 4s	20 **6**	3	Round metal tower; 7.	Obscured 201°-245°, until 2.6M from harbour entrance.
	WAITAPU:						
4940.1 *K 4199.1*	-W. outer mole, head.	40° 49.3′ S 172° 53.6′ E	**Fl.G.** period 5s fl. 1s, ec. 4s	20 **6**	4	Round metal tower; 7.	
4944 *K 4204*	Separation Point.	40° 46.9′ S 172° 59.9′ E	**Fl.W.** period 8s fl. 0.5s, ec. 7.5s	59 **18**	8	White metal tower; 10.	Visible 099°-328°.
4948 *K 4206*	Pitt Head.	40° 56.9′ S 173° 04.0′ E	**Fl.(2)W.R.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	75 **23**	W. 7 R. 4	Square orange daymark, white stripe; 10.	R. 063°-191°, W.-337°, R.-348°.
	MOTUEKA HARBOR:						
4960 *K 4212*	-Motueka.	41° 08.2′ S 173° 01.8′ E	**Q.G.**	10 **3**	2	Green wooden pile.	Q.R. 2m 2M marks training wall close S. Vessels should not attempt to enter without recent local knowledge.
4968 *K 4214*	-Channel, N. side.	41° 08.2′ S 173° 01.7′ E	**Iso.G.** period 4s	10 **3**	2	Green wooden pile.	
	PORT NELSON:						
4996 *K 4224*	**-Landfall.**	41° 15.3′ S 173° 16.8′ E	**Fl.(2)W.R.** period 12s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	72 **22**	W. **20** R. **17**	Metal frameword tower; 59.	R. 067°-095°, W.-216°.
4996.5 *K 4225.6*	-Fairway Beacon.	41° 14.0′ S 173° 14.2′ E	**Q.W.**	43 **13**	9	N. CARDINAL BY, beacon, topmark.	
4996.8 *K 4225.8*	-Approach beacon.	41° 15.4′ S 173° 15.2′ E	**Oc.R.** period 4s lt. 3s, ec. 1s	26 **8**	5	PORT (A) R, beacon, topmark.	
4997 *K 4226*	-Main entrance, S. side.	41° 15.8′ S 173° 15.3′ E	**Iso.G.** period 2s	10 **3**	7	Green metal pile.	

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			NEW ZEALAND-SOUTH ISLAND				
4998 *K 4225*	-Range, front.	41° 16.1′ S 173° 15.4′ E	**Dir.W.R.G.**	26 **8**	W. 14 R. 11 G. 11	White triangular daymark point up, on piles.	F.G. 157°12′-162°12′, Al.W.G.-164° (W. phase increasing with bearing), F.W.-165°30′, Al.W.R.-167°15′ (R. phase increasing with bearing), F.R.-177°15′. **Radar reflector.**
4998.1 *K 4225.1*	--Rear, 600 meters 164°45′ from front.	41° 16.5′ S 173° 15.5′ E	**F.Bu.** (neon)	88 **27**	10	White triangular daymark point down.	Visible 130°-200°, partially obscured 174°-188°.
4999 *K 4227.4*	--N. side, No 1.	41° 15.7′ S 173° 15.5′ E	**Q.R.**	10 **3**	5	Pile beacon.	N. side of channel marked by Iso.R. 2s lights on piles.
5000 *K 4230*	-Brunt Quay, NW. corner.	41° 15.6′ S 173° 16.3′ E	**Iso.G.** period 2s			Green metal pole.	3 Iso.G. 2s mark dolphins 500 meters SW.
5001 *K 4230.15*	-Main Wharf, SW. corner.	41° 15.7′ S 173° 16.1′ E	**Iso.G.** period 2s	16 **5**	3		
5002 *K 4230.2*	--SW. entrance.	41° 15.8′ S 173° 16.0′ E	**Iso.G.** period 2s				
5004 *K 4227*	-Range, front.	41° 16.0′ S 173° 15.7′ E	**F.G.**	20 **6**		White neon triangular daymark point up.	
5008 *K 4227.1*	--Rear, 306 meters 135°27′ from front.	41° 16.1′ S 173° 15.9′ E	**F.G.** (neon)	30 **9**		White triangular daymark point down.	Visible 122°-148°.
5012 *K 4228*	-Haulashore Island Range, N. end, front.	41° 15.9′ S 173° 15.5′ E	**F.W.**	10 **3**		Beacon, white diamond daymark.	
5016 *K 4228.1*	--Rear, about 103 meters 270° from front.	41° 15.9′ S 173° 15.4′ E	**F.W.**	13 **4**	3	White triangular daymark point up, pile.	
5020 *K 4222*	**Schnapper Point.**	41° 12.2′ S 173° 19.4′ E	**L.Fl.(4)W.R.** period 20s fl. 2s, ec. 1s fl. 2s, ec. 1s fl. 2s, ec. 1s fl. 2s, ec. 9s	43 **13**	W. **15** R. 8	Metal column; 36.	R. 031°-047°, W.-225°. **Radar reflector.**
5022 *K 4233*	Croisilles Harbor.	41° 04.6′ S 173° 39.9′ E	**Fl.W.R.** period 5s	47 **14**	W. 5 R. 4	White post; 3.	W. 124°-139°, R.-124°.
5024 *K 4234*	Okuri Point.	40° 58.6′ S 173° 45.7′ E	**Fl.W.R.** period 4s fl. 0.8s, ec. 3.2s	112 **34**	W. 8 R. 5	White metal tower; 10.	R. 160°-210°, W.-160°, except where obscured by land.
5028 *K 4238*	French Pass, Channel Point.	40° 55.4′ S 173° 50.1′ E	**F.W.R.**	10 **3**	W. 10 R. 7	White house.	R. 034°-053° (obscured in Waikawa Bay by Two Island Point), W.-148°, R.-238°.
5032 *K 4240*	-Reef.	40° 55.4′ S 173° 50.0′ E	**Fl.W.** period 1.5s fl. 0.5s, ec. 1s	16 **5**	4	White beacon; 16.	
	FRENCH PASS:						
5036 *K 4237.4*	-Kapowai Bay.	40° 54.2′ S 173° 50.4′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	13 **4**	1	White square tower.	
5038 *K 4237*	-Anatakupu Island.	40° 53.8′ S 173° 52.2′ E	**Fl.W.** period 3s fl. 1s, ec. 2s	102 **31**	4	Fiberglass column; 7.	
5040 *K 4241*	Elmslie Bay Wharf.	40° 55.6′ S 173° 50.6′ E	**Fl.G.** period 3s	10 **3**	1	Cargo shed.	
5044 *K 4236*	**Stephens Island.**	40° 39.9′ S 174° 00.0′ E	**Fl.W.** period 6s fl. 0.1s, ec. 5.9s	600 **183**	**18**	White metal tower; 49.	Visible 054°-350°. Reserve light range 10M.
5048 *K 4242*	Ninepin Rock.	40° 54.9′ S 174° 03.3′ E	**Fl.W.** period 4s fl. 0.8s, ec. 3.2s	55 **17**	8	White metal tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
5049 *K 4242.05*	Oke Rock.	40° 55.5′ S 174° 01.6′ E	**Fl.G.** period 10s fl. 1s, ec. 9s	20 **6**	3	STARBOARD (A) G, beacon, topmark; 23.	**Radar reflector.**
5052 *K 4242.1*	Maud Island.	41° 01.0′ S 173° 54.4′ E	**Fl.W.** period 15s	79 **24**	10	White post; 7.	Visible 088°-031°.
5056 *K 4242.15*	Dart Rock.	41° 02.7′ S 173° 49.0′ E	**Fl.(2)W.** period 20s fl. 0.5s, ec. 1s fl. 0.5s, ec. 18s	10 **3**	5	ISOLATED DANGER BRB, post, topmark.	
5060 *K 4242.2*	Tawero Point, N.	41° 04.0′ S 173° 58.0′ E	**Fl.W.** period 5s	30 **9**	5	White post; 7.	Visible 099°-320°.
5064 *K 4242.3*	-S.	41° 03.9′ S 173° 56.8′ E	**Fl.W.** period 10s	36 **11**	5	White post; 7.	Visible 217°-052°.
5066 *K 4242.17*	-Flax Point.	41° 05.5′ S 173° 47.0′ E	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	30 **9**	2	White post; 7.	
5068 *K 4242.4*	Turn Point, N.	41° 08.3′ S 173° 52.2′ E	**Fl.(2)W.** period 15s	20 **6**	5	White post; 7.	Visible 040°-233°.
5072 *K 4242.5*	-S.	41° 08.6′ S 173° 52.1′ E	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	23 **7**	5	White post; 7.	Visible 357°-190°.
5076 *K 4242.6*	Marainatia Point, N.	41° 11.4′ S 173° 51.9′ E	**Fl.W.** period 10s	23 **7**	5	White post; 7.	Visible 178°-008°.
5080 *K 4242.7*	-S.	41° 11.7′ S 173° 51.8′ E	**Fl.G.** period 10s	20 **6**	3	White post; 7.	Visible 187°-022°.
5082 *K 4242.9*	-Black Point.	41° 14.4′ S 173° 51.0′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	7 **2**	5	White post; 7.	
5084 *K 4243*	Havelock approach, beacon No 1.	41° 15.2′ S 173° 50.3′ E	**Fl.G.** period 2s fl. 0.5s, ec. 1.5s	7 **2**	3		
	COOK STRAIT:						
5088 *K 4244*	-Cape Jackson.	40° 59.7′ S 174° 18.8′ E	**Fl.(3)W.** period 20s	284 **87**	9	White metal tower; 13.	Visible 050°-003°. May be obscured by cliffs within 50 meters of light.
5089 *K 4244.5*	--Jackson, head.	40° 59.4′ S 174° 19.2′ E	**Fl.W.** period 4s fl. 0.4s, ec. 3.6s	49 **15**	3	White round tower, concrete base; 49.	
5092 *K 4248*	-Queen Charlotte Sound.	41° 06.0′ S 174° 16.6′ E	**Fl.(2)W.** period 10s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 7.6s	92 **28**	8	White metal framework tower; 16.	
5094 *K 4249*	-Edgecombe Point.	41° 09.3′ S 174° 12.0′ E	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	10 **3**	5	White post; 10.	
5095 *K 4249.5*	-Farnham Point.	41° 10.4′ S 174° 12.0′ E	**L.Fl.W.R.G.** period 10s fl. 2s, ec. 8s	20 **6**	10	White metal tower.	G. 219°-221°, W.-224°, R.-226°.
5096 *K 4250*	--Kurakura Point.	41° 11.0′ S 174° 12.1′ E	**Fl.(3)W.** period 15s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 10.2s	93 **28**	10	White metal column, red top; 10.	
5100 *K 4252*	-Dieffenbach Point, Queen Charlotte Sound.	41° 13.9′ S 174° 08.8′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	39 **12**	6	White tower; 10.	
5104 *K 4253*	-Luke Rock.	41° 13.2′ S 174° 08.3′ E	**Fl.G.** period 5s fl. 0.3s, ec. 4.7s	10 **3**	5	STARBOARD (A) G, column, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
5106 *K 4253.5*	-Allports Island.	41° 14.3′ S 174° 03.4′ E	**Q.(5)W.** period 10s	10 **3**	5	White post; 7.	
5108 *K 4254*	-The Snout.	41° 15.0′ S 174° 02.9′ E	**Fl.(3)W.** period 10s	46 **14**	7	White post; 7.	
5110 *K 4254.5*	-Waikawa Bay Marina.	41° 15.9′ S 174° 02.4′ E	**Oc.W.R.G.** period 3s lt. 2.5s, ec. 0.5s	16 **5**	8	White metal post; 13.	G. 212°-217°, W.-227°, R.-232°.
5112 *K 4255*	-Picton Point.	41° 15.2′ S 174° 02.2′ E	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	2	White post; 10.	
5116 *K 4256*	-Mabel Island, S. end.	41° 16.2′ S 174° 00.9′ E	**Fl.W.** period 2s fl. 0.3s, ec. 1.7s	14 **4**	4	White concrete post.	Visible 183°30′-108°30′.
5118 *K 4256.2*	-Picton Harbor Approach.	41° 16.6′ S 174° 00.5′ E	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	7 **2**	1		
5119 *K 4256.7*	-Shelly Beach.	41° 16.9′ S 174° 00.7′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	16 **5**	5	White metal post.	
5120 *K 4257*	-Picton Harbor, main wharf, head.	41° 16.9′ S 174° 00.4′ E	**F.R.**	24 **7**	6	Metal framework floodlighting tower.	F.G. (neon) at the head and root of ferry wharf.
			Q.Bu.	46 **14**	5		Occasional. Shown during large ship movements. For working details contact Picton Harbour Radio.
5121 *K 4257.5*	--W. breakwater.	41° 17.3′ S 174° 00.5′ E	**F.G.**				
5122 *K 4260*	-Wedge Point.	41° 15.5′ S 174° 00.7′ E	**Mo.(A)W.** period 8s fl. 0.2s, ec. 1.4s fl. 3s, ec. 3.4s	26 **8**	5	White post; 7.	
5122.2 *K 4260.4*	-Shakespeare Bay, W.	41° 16.0′ S 174° 00.3′ E	**Q.(5)G.** period 10s	7 **2**	3	White post; 7.	
5122.3 *K 4260.3*	--SW.	41° 16.4′ S 173° 59.8′ E	**L.Fl.G.** period 5s	7 **2**	3	White post; 3.	
5122.5 *K 4260.2*	--E.	41° 16.3′ S 174° 00.2′ E	**Q.(4)R.** period 6s	7 **2**	3	White post; 7.	
5123 *K 4261*	-Onahau Bay.	41° 15.2′ S 173° 58.4′ E	**Fl.G.** period 3s	7 **2**	2	STARBOARD (A) G, beacon, topmark.	**Radar reflector.**
5124 *K 4268.4*	-Fighting Bay, Prohibited Anchorage Area, S. limit.	41° 20.1′ S 174° 10.5′ E	**L.Fl.(2)W.R.** period 20s fl. 2s, ec. 0.5s fl. 2s, ec. 15.5s	384 **117**	W. 7 R. 5	Beacon, white triangular daymark point up, orange stripe.	R. 271°-301°, W.-051°. Daymark 301° 200m marks S limit of cable area.
5128 *K 4268.3*	---N. limit.	41° 18.4′ S 174° 14.1′ E	**Fl.(4)W.R.** period 20s fl. 1s, ec. 0.5s fl. 1s, ec. 0.5s fl. 1s, ec. 0.5s fl. 1s, ec. 14.5s	620 **189**	W. 7 R. 4	Beacon, white triangular daymark point up, orange stripe.	W. 221°-263°, R.-310°. Daymark 263° 100m N limit of cable area.
	-Tory Channel:						
5132 *K 4268*	--Ruamoko Point, E.	41° 14.6′ S 174° 10.0′ E	**Fl.(3)W.** period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	72 **22**	5	White post; 7.	
5136 *K 4268.2*	--W.	41° 14.5′ S 174° 09.7′ E	**Q.W.**	31 **9**	5	White post; 7.	

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			NEW ZEALAND-SOUTH ISLAND				
5140 *K 4268.21*	--Otamango Point.	41° 15.0′ S 174° 09.5′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	20 **6**	4	White post; 7.	
5144 *K 4267.4*	--Arrowsmith Point.	41° 14.6′ S 174° 12.0′ E	**Fl.(4)W.** period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	13 **4**	5	White post.	Visible 082°-270°30′.
5148 *K 4267.1*	--Clay Point, E. side.	41° 14.2′ S 174° 15.2′ E	**Fl.G.** period 3s	59 **18**	4	White wood post; 7.	An old light tower (3m) is situated close W.
5152 *K 4267*	---W. side.	41° 14.2′ S 174° 15.0′ E	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	26 **8**	6	White metal pole; 10.	
5156 *K 4266.1*	--Motukina Point.	41° 14.0′ S 174° 16.0′ E	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	46 **14**	4	White post; 7.	
5160 *K 4266*	--Scraggy Point.	41° 12.9′ S 174° 18.3′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	59 **18**	5	White post; 7.	
5162 *K 4264.5*	--Wheki Rock.	41° 12.4′ S 174° 18.3′ E	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	7 **2**	2	Green pillar, triangular daymark point up.	
5164 *K 4262*	--head, W. side of entrance channel.	41° 12.8′ S 174° 18.9′ E	**Mo.(N)W.R.** period 10s fl. 1s, ec. 1s fl. 0.5s, ec. 7.5s	151 **46**	8	White tower; 13.	R. 010°-052°, obsc.-095°, W.-246°, R.-270°, W.-010°. R. obstruction light 2.7 miles NE.
5166 *K 4265*	--E. head.	41° 12.6′ S 174° 19.4′ E	**Dir.W.R.G.**	115 **35**	3	Wooden post; 3.	F.G. 082°42′-086°42′, Al.W.G.-090°42′, F.W.-094°48′, Al.W.R.-098°48′, F.R.-102°48′.
5168 *K 4264*	--Okukari Bay Range, front.	41° 12.2′ S 174° 18.3′ E	**Q.W.**	24 **7**	11	White triangular daymark point up, orange stripe; 20.	
5172 *K 4264.1*	---Rear, 130 meters 311°45′ from front.	41° 12.1′ S 174° 18.2′ E	**Iso.W.** period 2s	89 **27**	11	White triangular daymark point up, orange stripe; 20.	
5176 *K 4246*	**-The Brothers.**	41° 06.2′ S 174° 26.5′ E	**Fl.W.** period 10s	259 **79**	**19**	White wooden tower; 40.	Reserve light range 10M.
			Fl.R. period 10s	230 **70**	10		Visible 164°30′-169°30′ over Cook Rock, obscured within 0.8M of light, visible 008°-014° over Awash Rocks. Reserve light range 9M.
5180 *K 4269*	-Robertson Point.	41° 21.1′ S 174° 07.1′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	5	White concrete column; 7.	
5184 *K 4272*	--Blenheim AVIATION LIGHT.	41° 30.7′ S 173° 52.2′ E	**Al.Fl.W.G.** period 3.7s				
5188 *K 4274*	**-Cape Campbell.**	41° 43.7′ S 174° 16.6′ E	**Fl.W.** period 15s fl. 0.1s, ec. 14.9s	154 **47**	**19**	White metal tower, black bands; 72.	Obscured by land when bearings more than 010°.
5192 *K 4275*	Point Kean, Kaikoura Peninsula.	42° 25.4′ S 173° 42.9′ E	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	135 **41**	9	Yellow metal tower; 13.	
5198 *K 4277*	Kaikoura, S. breakwater, head.	42° 25.5′ S 173° 40.9′ E	**Iso.G.** period 2s	16 **5**	6	Metal post, black and white bands; 10.	
5212 *K 4279*	Gibson Point.	42° 53.0′ S 173° 19.1′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	249 **76**	10	Red metal tower, white bands; 10.	Visible 202°-027°.

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			NEW ZEALAND-SOUTH ISLAND				
5216 *K 4282*	Motunau River Range, front.	43° 03.1′ S 173° 04.6′ E	**F.R.**	20 **6**	3	Mast.	Vessels should not attempt to enter without recent local knowledge.
5220 *K 4282.1*	-Rear, 13 meters 036°13′ from front.	43° 03.1′ S 173° 04.6′ E	**F.R.**	39 **12**	3	Mast.	
	PORT LYTTELTON:						
5232 *K 4286*	**-Godley Head.**	43° 35.2′ S 172° 48.4′ E	**L.Fl.(3)W.** period 26s fl. 2s, ec. 4s fl. 2s, ec. 4s fl. 2s, ec. 12s	417 **127**	**17**	Gray metal pole; 13.	Visible 180°-330°.
5240 *K 4304*	-Camp Bay Range, front.	43° 37.4′ S 172° 46.8′ E	**F.R.**	45 **14**		White beacon.	
5244 *K 4304.1*	--Rear, 46 meters 195°30′ from front.	43° 37.4′ S 172° 46.8′ E	**F.R.**	60 **18**		White beacon.	
5248 *K 4291*	-N. of Parson Rock.	43° 36.8′ S 172° 45.1′ E	**Fl.(2)R.** period 10s	22 **7**	4	PORT (A) R, beacon, topmark.	
5250 *K 4288*	**-Purua Bay.**	43° 37.5′ S 172° 44.6′ E	**Dir.Oc.W.R.G.** period 12s lt. 8s, ec. 4s	177 **54**	**15**	Gray concrete shed, red roof; 10.	G. 236°-240°, W.-242°, R.-246°. Range 5M by day.
5252 *K 4293*	-Sticking Point Breakwater, head.	43° 36.6′ S 172° 44.0′ E	**Fl.(2)G.** period 5s	26 **8**	5	White pile.	
5256 *K 4290*	-Shag Reef Range, front.	43° 36.8′ S 172° 42.8′ E	**Fl.W.** period 1.5s fl. 0.5s, ec. 1s	33 **10**	3	White conical tower.	
5260 *K 4290.1*	--Rear, 963 meters 260°39′ from front.	43° 36.9′ S 172° 42.1′ E	**L.Fl.W.** period 5s fl. 2s, ec. 3s	59 **18**	5	White concrete tower, red and yellow checkered on E. facing.	White beacons in line indicate limits of dredged channel. **Radar reflector.**
5264 *K 4296*	-Naval Point Reclamation Area Range, front.	43° 36.6′ S 172° 42.8′ E	**F.R.**	26 **8**		White beacon, neon triangular daymark point up.	
5268 *K 4296.1*	--Rear, 570 meters 301°54′ from front.	43° 36.4′ S 172° 42.4′ E	**F.R.**	37 **11**		Beacon, neon triangular daymark point down.	
5269 *K 4301*	--S. Range, front.	43° 36.7′ S 172° 42.7′ E	**F.R.**	26 **8**	1	Wooden pile, white neon triangular daymark point up; 33.	Marks southern limit of channel.
5269.1 *K 4301.1*	---Rear, 475 meters 301°54′ from front.	43° 36.5′ S 172° 42.4′ E	**F.R.**	36 **11**	1	Wooden pile, white neon triangular daymark point down.	
5272 *K 4300*	-Harbor entrance, E. breakwater.	43° 36.6′ S 172° 43.1′ E	**Oc.G.** period 6s lt. 5s, ec. 1s	26 **8**	2	Black metal pipe.	Visible 303°-278°.
5276 *K 4299*	--W. breakwater.	43° 36.5′ S 172° 43.0′ E	**Oc.R.** period 6s	25 **8**	2	Black and white pylon.	
5278 *K 4289*	**-Governors Bay.**	43° 37.3′ S 172° 38.9′ E	**Dir.W.R.G.**	213 **65**	**19**	Gray concrete shed, red roof; 10.	F.G. 258°-260°, F.W.-261°, F.R.-263°. Light oscillates at the margins of the white sector. Range 8M by day.
5280 *K 4310*	**Steep Head.**	43° 44.7′ S 173° 07.6′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	512 **156**	**19**	White metal tower; 13.	Visible 161°-001°. Light is liable to be obscured by fog and mist.
5284 *K 4314*	**Akaroa Head.**	43° 53.4′ S 172° 58.6′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	223 **68**	**19**	White fiberglass tower; 10.	Visible 262°-116°, except when obscured from seaward by Timutimu Head when bearing more than 071°.
5285 *K 4315*	-Akaroa Harbor Range, front.	43° 49.2′ S 172° 54.2′ E	**F.G.**	33 **10**	7	Wooden power pole; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
5286 *K 4315.1*	--Rear, 0.88 mile 331°20′ from front.	43° 48.2′ S 172° 53.4′ E	**F.G.**	272 **83**	7	Wooden pole; 23.	
	FRENCH BAY:						
5288 *K 4316*	-Green Point, on reef.	43° 49.0′ S 172° 56.8′ E	**Fl.G.** period 5s	13 **4**	2	White wooden post; 16.	
	TIMARU:						
5292 *K 4324*	-AVIATION LIGHT.	44° 18.1′ S 171° 13.4′ E	**Fl.W.** period 3.7s fl. 0.2s, ec. 3.5s	102 **31**	**15**		Location beacon.
5296 *K 4322*	-Fairway Beacon.	43° 36.6′ S 172° 42.7′ E	**Mo.(A)W.** period 10s	26 **8**	9	White beacon, red stripes.	
5304 *K 4331*	-War Memorial.	44° 23.9′ S 171° 15.2′ E	**F.W.**	143 **44**	14	Mast.	Range 10M by day.
5308 *K 4329.4*	-Outer N. mole.	44° 23.2′ S 171° 15.7′ E	**Fl.G.** period 10s	33 **10**	6	White wooden mast; 26.	
5312 *K 4332*	-N. molehead, about 853 meters 40° from light on bluff.	44° 23.3′ S 171° 15.6′ E	**Fl.G.** period 2s fl. 0.3s, ec. 1.7s	20 **6**	5	White framework tower inclined 45° from vertical.	Lights in railyard visible from seaward when approaching from S.
5316 *K 4330*	-E. mole head Range, front.	44° 23.4′ S 171° 15.6′ E	**F.R.** (neon)	23 **7**	2	Metal box; 13.	R. 003°-244°.
5320 *K 4330.1*	--Rear, 640 meters 228° from front.	44° 23.6′ S 171° 15.3′ E	**F.R.**	66 **20**	2	Metal box, framework tower, neon daymark. Floodlit.	
5323 *K 4328*	-Benvenue Cliff Range, front.	44° 23.1′ S 171° 15.5′ E	**F.G.**	52 **16**	5	White concrete post, orange neon triangular daymark point up.	
5324 *K 4328.1*	--Middle, 982 meters 267°10′ from front.	44° 23.1′ S 171° 14.8′ E	**Dir.W.R.G.**	82 **25**	W. **21** R. **17** G. **17**	Beacon, orange triangular daymark point up; 13.	F.G. 264°30′-266°, Al.W.G.-266°42′ (W. phase increasing with bearing), F.W.-267°30′, Al.W.R.-268°12′ (R. phase increasing with bearing), F.R.-269°42′. Daytime range 5nM.
			F.G.	82 **25**	10	Neon daymark.	Range 5M by day.
5328 *K 4328.2*	--Rear, 210 meters 267°10′ from middle.	44° 23.1′ S 171° 14.6′ E	**F.G.**	98 **30**	7	Beacon, orange neon triangular daymark point up; 13.	
5332 *K 4329*	-Eastern Extension Mole Spur Breakwater, head.	44° 23.2′ S 171° 16.0′ E	**Fl.R.** period 5s fl. 1s, ec. 4s	56 **17**	11	Tower.	F.R. lights on radio mast 2.5 miles N.
5336 *K 4335*	--No 3 Wharf Range, front.	44° 23.5′ S 171° 15.4′ E	**F.G.**	20 **6**	4	Metal box, neon daymark.	
5340 *K 4335.2*	---Rear, 230 meters 228° from front.	44° 23.5′ S 171° 15.2′ E	**F.G.**	66 **20**	4	Metal box, neon daymark.	
5344 *K 4340*	Tuhawaiki Point.	44° 26.6′ S 171° 15.6′ E	**L.Fl.W.** period 10s fl. 2s, ec. 8s	95 **29**	9	White metal tower; 30.	
	OAMARU:						
5356 *K 4350*	-Holmes wharf.	45° 06.4′ S 170° 58.7′ E	**F.G.**	13 **4**	2	Lamp post.	
5358 *K 4348*	-Breakwater, head.	45° 06.3′ S 170° 58.8′ E	**Fl.R.** period 5s	25 **8**	5	Framework tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
5368 *K 4360*	Katiki Point.	45° 23.7′ S 170° 52.1′ E	**Iso.W.** period 12s	184 **56**	10	White wooden tower; 26.	Visible 181°-018°.
5372 *K 4358*	-Range, front.	45° 21.6′ S 170° 51.0′ E	**Q.W.**	36 **11**	6	Mast; 13.	
5376 *K 4358.1*	--Rear, 550 meters 216°31′ from front.	45° 21.9′ S 170° 50.7′ E	**Iso.W.** period 4s	167 **51**	6	Mast; 13.	
5380 *K 4359*	-Wharf, head.	45° 21.6′ S 170° 52.0′ E	**Iso.R.** period 3.5s	16 **5**	2	White post, red top.	
	OTAGO HARBOR:						
5384 *K 4362*	-Heyward Point.	45° 45.4′ S 170° 41.5′ E	**Fl.W.R.** period 5s fl. 0.7s, ec. 4.3s	82 **25**	W. 9 R. 7	White tower; 13.	W. 043°-259°, R.-306°30′.
5388 *K 4363*	-Fairway.	45° 45.1′ S 170° 43.6′ E	**Fl.(2)R.** period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	29 **9**	5	PORT (A) R, articulated beacon, topmark.	
5392 *K 4366*	**Approach.**	45° 47.9′ S 170° 43.1′ E	**Dir.W.R.G.**	62 **19**	W. **21** R. **17** G. **17**	White tower, red triangular daymark point up; 16.	F.G. 183°39′-185°06′, Al.W.G.-185°24′ (W. phase increasing with bearing), F.W.-186°48′, Al.W.R.-187°12′ (R. phase increasing with bearing), F.R.-188°36′. An overspill of white light is visible at night to the eastward and westward of the F.R. and F.G. sectors. Vessels should ensure they have crossed the R. or G. sectors before turning on to the leading line. Range 5M when sighted outside main directional light sectors.
5396 *K 4364*	**-Taiaroa Head.**	45° 46.4′ S 170° 43.7′ E	**L.Fl.(2)W.** period 18s fl. 2s, ec. 4s fl. 2s, ec. 10s	197 **60**	**18**	White stone tower; 39.	Visible 158°-300°.
5400 *K 4365*	-N. mole.	45° 46.2′ S 170° 43.2′ E	**Fl.(3)W.** period 5s	30 **9**	5	E. CARDINAL BYB, beacon, topmark; 20.	Channel marked by lit beacons. **Radar reflector.**
5400.3 *K 4367.1*	-Harrington Point.	45° 47.0′ S 170° 43.4′ E	**F.Y.**	10 **3**	4	Red metal beacon; 10.	Visible 177°-182°.
			Oc.R. period 10s lt. 9s, ec. 1s		2		
5400.4 *K 4367.12*	-Spit Tide Gauge.	45° 47.2′ S 170° 43.1′ E	**Oc.G.** period 4s	10 **3**	3	STARBOARD (A) G, pile, topmark.	
5400.6 *K 4369.83*	-No 25, Rocky Point.	45° 48.3′ S 170° 37.8′ E	**F.G.+Dir.R.Y.**	10 **3**	6	STARBOARD (A) G, beacon, topmark; 10.	R. 345°-350°, Y.-355°. Range 2M by day. **Radar reflector.**
5400.8 *K 4369.86*	-Multipurpose Berth.	45° 48.6′ S 170° 37.7′ E	**F.G.**			Neon daymark.	
5401 *K 4370.25*	-Port Chalmers, Container Wharf.	45° 48.7′ S 170° 37.6′ E	**8 F.W.** (horiz.)				Starboard from Beacon No 27, Q.G. marks corner of wharf 450 meters NE. Q.R. marks corner of wharf 470 meters N. Boat harbor marked by F.G. lights.
5401.8 *K 4372.4*	-Range, front, 2A.	45° 49.8′ S 170° 37.5′ E	**Fl.(2)R.** period 4s	10 **3**	1	PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
5401.81 *K 4372.5*	--Rear, 100 meters 208°20′ from front.	45° 49.9′ S 170° 37.5′ E	**Q.R.**	10 **3**	1	White beacon.	
5402 *K 4372*	-Range, front, 32.	45° 49.2′ S 170° 37.9′ E	**Q.(2)R.** period 4s	10 **3**	1	Red beacon, white band, red square daymark.	**Radar reflector.**
5402.01 *K 4372.1*	--Rear, 170 meters 028°20′ from front.	45° 49.2′ S 170° 38.0′ E	**Q.R.**	10 **3**	1	Red beacon.	
5402.1 *K 4371.5*	-Wharf, SW.	45° 49.2′ S 170° 37.6′ E	**V.Q.(6)+L.Fl.W.** period 15s	10 **3**	1	S. CARDINAL YB, beacon, topmark; 10.	**Radar reflector.**
5402.2 *K 4373*	-No 1, Goat Island.	45° 49.6′ S 170° 37.6′ E	**Q.G.**	10 **3**	1	Pile beacon.	
5402.4 *K 4373.2*	-No 2, Quarantine Island.	45° 49.6′ S 170° 37.7′ E	**Q.R.**	10 **3**	2	Pile beacon.	
5402.6 *K 4374.73*	-Ravensbourne Wharf.	45° 52.2′ S 170° 32.6′ E	**2 F.G.** (vert.)	10 **3**	1		F.G. (neon) on E. and W. ends of T-head pier.
5402.8 *K 4374.9*	-LPG Wharf.	45° 52.5′ S 170° 31.5′ E	**F.G.**	7 **2**	1	Dolphin, neon daymark.	
5403 *K 4374.91*	-Leith Wharf.	45° 52.4′ S 170° 31.4′ E	**F.G.**	10 **3**	1	Side of pumphouse, neon daymark.	
5403.2 *K 4374.96*	--Oil Jetty, head.	45° 52.5′ S 170° 31.3′ E	**2 F.G.** (vert.)	29 **9**	3	16.	One meter apart.
5403.4 *K 4375.2*	--Rattray Wharf.	45° 52.7′ S 170° 30.8′ E	**2 F.G.** (vert.)	55 **17**	1	Shed.	
5403.6 *K 4375.5*	--Birch Street Wharf.	45° 52.8′ S 170° 30.7′ E	**F.G.**				
5404 *K 4376*	Cape Saunders.	45° 52.9′ S 170° 43.7′ E	**L.Fl.W.** period 10s fl. 2s, ec. 8s	190 **58**	10	White metal tower; 13.	Visible 254°-064°.
5408 *K 4380*	Nugget Point.	46° 26.9′ S 169° 49.1′ E	**L.Fl.(2)W.** period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	246 **75**	10	White stone tower; 30.	Reserve light range 10M.
5412 *K 4381*	Tautuku Peninsula.	46° 36.7′ S 169° 26.3′ E	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	108 **33**	8	White metal tower; 13.	
5416 *K 4382*	Slope Point.	46° 40.5′ S 169° 00.1′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	108 **33**	8	White round metal tower; 10.	Visible 268°-098°.
5420 *K 4384*	Waipapa Point.	46° 39.6′ S 168° 50.8′ E	**Fl.(5)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 11s	69 **21**	9	White wooden tower; 43.	
5424 *K 4387*	Bushy Point.	46° 36.4′ S 168° 31.1′ E	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	23 **7**	8	White metal tower; 13.	
5428 *K 4394*	**Dog Island.**	46° 39.1′ S 168° 24.6′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	151 **46**	**19**	White round stone tower, black bands; 121.	Reserve light range 10M.
	BLUFF HARBOR:						
5432 *K 4397*	-Entrance.	46° 37.5′ S 168° 20.5′ E	**Fl.W.R.** period 3s fl. 1s, ec. 2s	62 **19**	W. 11 R. 8	Wooden tower, white triangular daymark point up; 20.	R. 247°30′-342°, W.-077°30′.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
5436 *K 4398*	-Stirling Point.	46° 36.7′ S 168° 21.6′ E	**F.R.**	36 **11**	6	On roof of building; 23.	
5444 *K 4400*	-No 1 Reach, front.	46° 36.2′ S 168° 22.4′ E	**F.G.**	20 **6**	10	White metal framework pyramid tower, neon daymark; 13.	Range 2M by day.
5448 *K 4400.1*	--Rear, 0.59 mile 031° from front.	46° 35.7′ S 168° 22.8′ E	**F.G.**	39 **12**	12	White metal framework pyramidal tower, neon daymark; 39.	Range 3M by day.
5452 *K 4402*	-No 2 Reach Range, front.	46° 36.0′ S 168° 21.7′ E	**F.R.**	20 **6**	4	Structure, white neon triangular daymark point up.	
5456 *K 4402.1*	--Rear, 200 meters 351° from front.	46° 35.9′ S 168° 21.6′ E	**F.R.**	26 **8**	4	Structure, white neon triangular daymark point up.	
5460 *K 4405*	-No 3 Reach Range, front.	46° 35.5′ S 168° 20.6′ E	**Iso.G.** period 2s fl. 0.5s, ec. 1.5s	23 **7**	5	White tower, pile beacon.	
5464 *K 4405.1*	--Rear, 335 meters 313°25′ from front.	46° 35.4′ S 168° 20.4′ E	**Fl.W.** period 1.5s fl. 0.5s, ec. 1s	39 **12**	5	White tower, metal structure.	Visible 043°30′- 223°30′.
5468 *K 4404*	--Inner Davey Range, front.	46° 36.3′ S 168° 21.9′ E	**Q.W.**	10 **3**	5	White struture, black dolphin.	
5472 *K 4404.1*	---Outer Davey, rear, 235 meters 133°25′ from front.	46° 36.4′ S 168° 22.0′ E	**Iso.W.** period 2s	20 **6**	5	White structure, black dolphin.	
5476 *K 4406*	-No 1.	46° 36.2′ S 168° 21.7′ E	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	10 **3**	2	Green beacon.	
5480 *K 4407*	-Channel Rocks.	46° 36.2′ S 168° 21.5′ E	**Fl.R.** period 2s fl. 0.7s, ec. 1.3s	23 **7**	3	Red pile beacon.	
5484 *K 4408*	-No 2.	46° 36.0′ S 168° 21.5′ E	**Q.(2)G.** period 3s	17 **5**	2	Green pile beacon.	
5488 *K 4413*	-No 3.	46° 35.9′ S 168° 21.2′ E	**Fl.(3)G.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2.5s	20 **6**	3	Green pile beacon.	
5490 *K 4410*	-Argyle.	46° 36.0′ S 168° 21.3′ E	**Q.(2)R.** period 5s	16 **5**	3	PORT (A) R, beacon, topmark.	
5492 *K 4415*	-No 4.	46° 35.7′ S 168° 21.2′ E	**Q.G.**	9 **3**	2	Green pile beacon.	
5496 *K 4411*	-Tide gauge.	46° 36.0′ S 168° 21.2′ E	**Q.R.**	19 **6**	2	Red pile beacon.	
5504 *K 4424*	-Range, front.	46° 35.5′ S 168° 20.0′ E	**F.G.**			White neon triangular daymark point down.	Occasional.
5508 *K 4424.1*	--Rear, 21 meters 279°01′ from front.	46° 35.5′ S 168° 19.9′ E	**F.G.**			White neon triangular daymark point down.	Occasional.
5512 *K 4388*	Ackers Point, Stewart Island.	46° 53.7′ S 168° 09.8′ E	**Fl.(3)W.R.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	66 **20**	W. 7 R. 4	White metal tower; 16.	W. 118°-250°, R.-255°, W.-000°, partially obscured 118°-160° and 320°-000°.
5513 *K 4389*	Half Moon Bay.	46° 53.8′ S 168° 08.1′ E	**Fl.R.** period 5s	7 **2**	5	Red square, red metal pipe.	
5516 *K 4432*	Howells Point.	46° 23.0′ S 168° 01.8′ E	**Fl.W.R.** period 5s fl. 1s, ec. 4s	92 **28**	W. 9 R. 6	White column; 13.	W. 185°-298°, R.-317°, W.-009°30′, R.-112°.
5520 *K 4433*	Jacobs River Estuary, Range Lights, No 1 Reach, front.	46° 21.3′ S 168° 01.5′ E	**F.G.**	16 **5**	2	Beacon, white neon triangular daymark point up; 10.	
5524 *K 4433.1*	-Rear, 46 meters 307°12′ from front.	46° 21.4′ S 168° 01.5′ E	**F.R.**	16 **5**	2	Beacon, white neon triangular daymark point down; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
5528 *K 4434*	-No 2 Reach Range, front.	46° 21.6′ S 168° 01.3′ E	**F.R.**	11 **3**	2	Beacon, white neon triangular daymark point up; 10.	
5532 *K 4434.1*	--Rear, 19 meters 249°26′ from front.	46° 21.7′ S 168° 01.3′ E	**F.G.**	10 **3**	2	Beacon, red neon triangular daymark point down; 10.	
5536 *K 4438*	**Centre Island.**	46° 27.6′ S 167° 50.7′ E	**Fl.W.R.** period 15s fl. 1s, ec. 14s	266 **81**	W. **19** R. **15**	White wooden tower; 39.	R. 191°-299°, W.-114°, R.-141°. Reserve light range W. 10M, R. 7M.
5540 *K 4440*	Long Point.	46° 15.4′ S 167° 06.4′ E	**Fl.(4)W.** period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	75 **23**	9	Aluminum tower; 13.	
5545 *K 4442*	**Puysegur Point.**	46° 09.4′ S 166° 36.6′ E	**Fl.W.** period 12s fl. 0.1s, ec. 11.9s	148 **45**	**19**	White metal tower; 16.	Reserve light range 10M.
5548 *K 4444*	Cape Providence.	45° 59.9′ S 166° 27.0′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	197 **60**	9	White fiberglass tower; 13.	
5552 *K 4446*	Five Fingers Point.	45° 43.9′ S 166° 27.6′ E	**Fl.(3)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	545 **166**	9	Metal framework tower; 30.	
5556 *K 4452*	Southwest Point.	45° 13.5′ S 166° 52.4′ E	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	171 **52**	9	Metal pedestal; 7.	Visible 007°-207°.
5560 *K 4464*	St. Anne Point.	44° 34.5′ S 167° 46.9′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	89 **27**	8	White tower; 20.	Visible 071°-316°.
5560.5 *K 4464.5*	Harrison Cove.	44° 37.8′ S 167° 54.1′ E	**Q.R.**				
5561 *K 4465*	Milford Sound Deep Water Basin.	44° 41.1′ S 167° 54.6′ E	**Q.(2)W.** period 5s	7 **2**	5	Gray metal pile; 10.	
5564 *K 4466*	Jackson's, head.	43° 57.7′ S 168° 37.3′ E	**Q.(2)W.** period 15s	509 **155**	9	White metal tower; 13.	Visible 091°-238°.
5568 *K 4468*	Heretaniwha Point.	43° 35.6′ S 169° 33.0′ E	**Q.(3)W.** period 10s	253 **77**	9	White fiberglass tower.	
	GREYMOUTH HARBOR:						
5572 *K 4470*	-S. breakwater, 145 meters from head.	42° 26.4′ S 171° 11.4′ E	**L.Fl.W.** period 10s fl. 3.5s, ec. 6.5s	56 **17**	9	White wooden pole.	Visible 016°-196°.
5576 *K 4473*	-N. breakwater, head.	42° 26.3′ S 171° 11.5′ E	**F.R.**	35 **11**	3	White concrete column.	
5580 *K 4472*	-S. breakwater, 32 meters from front.	42° 26.7′ S 171° 12.0′ E	**F.G.**	36 **11**	3	White concrete column.	
5584 *K 4478*	-Main wharf.	42° 26.7′ S 171° 12.0′ E	**Fl.(2+1)G.** period 6s fl. 0.3s, ec. 0.4s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 3.5s	16 **5**	1	Green wooden pile, red band; 7.	
5588 *K 4475*	-Richmond Quay Range, front.	42° 26.8′ S 171° 12.1′ E	**F.R.G.R.**	46 **14**		Tower, orange neon triangular daymark point up, black diamond on each side.	F.R. neon light on each side, in line with rear light, indicates limits of channel. Channel liable to change.
5592 *K 4475.1*	--Rear, about 160 meters 128°15′ from front.	42° 26.8′ S 171° 12.2′ E	**F.G.**	62 **19**		Beacon, white neon triangular daymark point up.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NEW ZEALAND-SOUTH ISLAND				
5596 *K 4476*	-Tidal wall.	42° 26.5′ S 171° 11.7′ E	**Q.R.**	16 **5**	3	Metal pile; 10.	
5600 *K 4486*	Cape Foulwind.	41° 45.0′ S 171° 27.9′ E	**Fl.W.** period 12s fl. 1.2s, ec. 10.8s	230 **70**	9	White concrete tower; 30.	F.R. lights on radio mast 110 meters SSE.
	WESTPORT HARBOR:						
5604 *K 4491*	-W. breakwater, head.	41° 43.7′ S 171° 35.2′ E	**Fl.G.** period 2s fl. 0.5s, ec. 1.5s	30 **9**	5	White concrete tower, green band; 16.	F.R. lights on radio mast 0.9 mile SSW.
5608 *K 4490*	-W. breakwater.	41° 43.8′ S 171° 35.2′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	66 **20**	6	White concrete tower, red band.	Coast Radar Station 1800 meters SE.
5612 *K 4494*	-Outer Range, front.	41° 44.2′ S 171° 35.5′ E	**F.G.**	33 **10**		Metal column, yellow reflective panels, red neon cross daymark; 20.	Channel liable to change. F.R. and F.Bu. black post, white bands, neon daymark, 11m, close S.
5616 *K 4494.1*	--Rear, 360 meters 165°35′ from front.	41° 44.4′ S 171° 35.5′ E	**F.G.**	49 **15**		Rectangular framework, red and white stripes, orange reflective panels, red neon diamond daymark; 36.	
5620 *K 4492*	-E. breakwater, head.	41° 43.6′ S 171° 35.4′ E	**Fl.R.** period 2s fl. 0.5s, ec. 1.5s	30 **9**	5	White concrete tower, red band at top; 16.	
5624 *K 4498*	-E. full-tide wall.	41° 44.5′ S 171° 35.6′ E	**Iso.R.** period 1.5s	10 **3**	2	Red metal framework tower.	
5628 *K 4497*	-Western Full-tide Wall, N. end.	41° 44.3′ S 171° 35.4′ E	**Q.(3)G.** period 5s	20 **6**		Tripod, black and white metal tower; 20.	
5632 *K 4496*	-Inner Range, front.	41° 44.8′ S 171° 35.6′ E	**Q.R.**	13 **4**		Beacon, red and white bands.	2 F.R.(vert.) on N. end of Coal Terminal 0.1 mile E.
5636 *K 4496.1*	--Rear, 213 meters 169°42′ from front.	41° 45.0′ S 171° 35.6′ E	**L.Fl.R.** period 5s fl. 2s, ec. 3s	24 **7**		Beacon, red and white bands; 7.	
5638 *K 4499*	-Crane Wharf, head.	41° 44.7′ S 171° 35.7′ E	**2 F.R.** (vert.)	16 **5**	1		Visible 105°-160°.
5640 *K 4506*	Kahurangi Point.	40° 46.6′ S 172° 13.0′ E	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	151 **46**	9	White metal tower; 59.	

Section 6

Southeast Coast of Australia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
5660 *K 2912*	**Double Island Point.**	25° 56.0′ S 153° 11.4′ E	**Fl.W.** period 7.5s fl. 0.1s, ec. 7.4s	315 **96**	**18**	White round metal tower, red cupola; 39.	Visible 109°-037°.
5664 *K 2908.3*	Mooloolaba Harbor Channel Range, front.	26° 41.0′ S 153° 08.1′ E	**F.Bu.**			Red and white beacon.	F.Y. by day.
			Fl.R. period 4s				Not visible from seaward. Channel to wharf marked by beacons.
5668 *K 2908.31*	-Rear, 85 meters 131°24′ from front.	26° 41.1′ S 153° 08.1′ E	**F.Bu.**				F.Y. by day.
5670	-Goat Island Bridge.	26° 41.3′ S 153° 07.4′ E	**F.Bu.**				Both sides of bridge marked with F.Bu. lights.
5672 *K 2907.8*	**Point Cartwright.**	26° 40.8′ S 153° 08.3′ E	**Fl.(2)W.R.** period 15s	174 **53**	W. **20** R. 9	White pentagonal concrete tower, lantern; 105.	R. 088°-180°, W.-345°. Reserve light range W. 19M, R. 8M.
			F.R.	161 **49**	7		Visible 202°-250°.
	MORETON BAY:						
5676 *K 2856*	**-Caloundra Head.**	26° 48.1′ S 153° 09.0′ E	**L.Fl.W.R.** period 10s	101 **31**	W. **17** R. 14	Building; 56.	W. 180°-307°, R.-001°30′. 3 Aero Q.R. close NW.
5680 *K 2857*	-NW. Channel Range, front.	26° 49.6′ S 153° 07.9′ E	**Q.Bu.**	49 **15**	8	White tower; 49.	
			Q.W.R.		10		R. 215°-243°, W.-275°. F.Y. by day.
5684 *K 2857.1*	--Rear, 1.7 km. 328°15′ from front.	26° 48.8′ S 153° 07.3′ E	**Iso.Bu.** period 2s	89 **27**	8	White tower; 62.	F.Y. by day.
5684.4 *K 2856.5*	--NW. Fairway.	26° 48.7′ S 153° 10.6′ E	**Iso.W.** period 4s			SAFE WATER RW, buoyant beacon, topmark.	
5684.6 *K 2857.4*	--NW2.	26° 49.8′ S 153° 09.0′ E	**Fl.Y.** period 2.5s	30 **9**	6	SPECIAL Y, buoyant beacon, "X" topmark.	
5684.8 *K 2857.5*	--NW1.	26° 51.1′ S 153° 09.0′ E	**Q.G.**			STARBOARD (A) G, beacon, topmark.	
5685 *K 2857.7*	--NW4.	26° 51.5′ S 153° 09.3′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
5685.3 *K 2857.9*	--NW6.	26° 53.6′ S 153° 10.7′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
5685.6 *K 2858*	--NW8.	26° 55.6′ S 153° 12.2′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
5686 *K 2858.2*	--NW3.	26° 57.8′ S 153° 13.4′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5686.5 *K 2858.4*	--NW10.	27° 00.0′ S 153° 14.5′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
5687 *K 2858.6*	--NW12.	27° 02.3′ S 153° 15.5′ E	**Q.(9)W.** period 15s	26 **8**		W. CARDINAL YBY, beacon, topmark.	
5688 *K 2858.8*	-Spitfire Channel Range, front.	27° 00.7′ S 153° 10.3′ E	**Q.W.**	49 **15**		Beacon, triangular daymark point up; 46.	F.W. by day. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
5692 *K 2858.81*	--Rear, 926 meters 290° from front.	27° 00.5′ S 153° 09.8′ E	**Iso.W.** period 2s	75 **23**		Beacon, triangular daymark point down; 62.	F.W. by day. Occasional.
5692.7 *K 2858.93*	-Woorim.	27° 03.2′ S 153° 12.0′ E	**Fl.Y.** period 2.5s			SPECIAL Y, beacon, "X" topmark.	
5693 *K 2859.5*	-Main Channel, M2.	27° 03.5′ S 153° 18.8′ E	**Fl.R.** period 4s				
5693.2 *K 2859.7*	--M4.	27° 05.2′ S 153° 18.9′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
5693.3 *K 2859.6*	--M3.	27° 05.6′ S 153° 18.4′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5693.4 *K 2859.8*	--M6.	27° 06.6′ S 153° 20.2′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
5693.45 *K 2859.9*	--M5.	27° 07.3′ S 153° 20.5′ E	**Fl.(4)Y.** period 10s			SPECIAL Y, beacon, "X" topmark.	
5693.5 *K 2860*	--M7.	27° 08.3′ S 153° 20.8′ E	**V.Q.(3)W.** period 5s	26 **8**		E. CARDINAL BYB, buoyant beacon, topmark.	
5693.55 *K 2860.2*	--M9.	27° 09.5′ S 153° 20.2′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
5693.6 *K 2860.4*	--M8.	27° 12.1′ S 153° 17.2′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
5694 *K 2861*	-East Channel, E1.	27° 10.7′ S 153° 20.6′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
5694.2 *K 2861.9*	--E3.	27° 12.8′ S 153° 20.1′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
5694.3 *K 2862.2*	--E2.	27° 13.5′ S 153° 20.5′ E	**Fl.R.** period 4s	23 **7**		PORT (A) R, beacon, topmark.	
5694.4 *K 2862.8*	--E5.	27° 13.9′ S 153° 19.9′ E	**V.Q.(3)W.** period 5s			E. CARDINAL BYB, beacon, topmark.	
5694.6 *K 2862.6*	--E4.	27° 13.8′ S 153° 20.4′ E	**Fl.R.** period 4s	23 **7**		PORT (A) R, beacon, topmark.	
5695.8 *K 2863.6*	-South Point, SE.	27° 06.6′ S 153° 10.8′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5695.85 *K 2863.506*	-Pumicestone Channel.	27° 04.8′ S 153° 09.1′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	Channel marked by beacons.
5696 *K 2863.4*	--Entrance.	27° 07.0′ S 153° 10.0′ E	**Q(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
5696.2 *K 2863.53*	--Old Bribie.	27° 03.2′ S 153° 08.0′ E	**Fl.Y.** period 2.5s			SPECIAL Y, beacon, "X" topmark.	
5698 *K 2864.52*	-Scarborough Channel, No 1.	27° 11.0′ S 153° 05.6′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by beacons.
5699 *K 2864.5*	-Scarborough Range, front.	27° 12.5′ S 153° 05.6′ E	**Q.Bu.**			Beacon, triangular daymark point up.	Channel is marked by 6 beacons.
5699.1 *K 2864.51*	--Rear, 300 meters 183° from front.	27° 13.0′ S 153° 05.5′ E	**F.Bu.**			Beacon, triangular daymark point down.	F.Y. by day.
5704 *K 2864.3*	--Boat harbor entrance channel, No 1.	27° 11.0′ S 153° 06.1′ E	**Fl.Y.** period 2.5s			SPECIAL Y, beacon, "X" topmark.	Channel marked by lighted beacons.
5708 *K 2864.6*	-North Reef.	27° 11.0′ S 153° 08.0′ E	**Fl.G.** period 4s fl. 0.3s, ec. 3.7s			Beacon, green triangular daymark point up.	
5712 *K 2865*	-Redcliffe Jetty, head.	27° 14.0′ S 153° 07.0′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
5713 *K 2865.5*	-Garnet Rock.	27° 14.5′ S 153° 07.4′ E	**Fl.G.** period 6s			STARBOARD (A) G, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
5714 *K 2866.3*	-Otter Rock.	27° 16.6′ S 153° 06.8′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5715.05 *K 2866.85*	--Pine River Approaches.	27° 16.8′ S 153° 05.0′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
5715.1 *K 2866.8*	--S. side.	27° 19.4′ S 153° 06.4′ E	**Fl.Y.** period 3s			SPECIAL Y, beacon, "X" topmark.	
5715.2 *K 2866.9*	--Pine River, entrance.	27° 16.6′ S 153° 04.6′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	
5715.3 *K 2866.91*	---Bridge.	27° 16.6′ S 153° 04.4′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	
5716 *K 2867*	-Cabbage Tree Range, front.	27° 19.8′ S 153° 05.4′ E	**Q.Y.**			Beacon, triangular daymark point up.	
5720 *K 2867.1*	--Rear, 300 meters 232°18′ from front.	27° 19.9′ S 153° 05.2′ E	**Iso.W.** period 2s			Beacon, triangular daymark point down.	
5724 *K 2866*	-Woody Point.	27° 14.7′ S 153° 06.1′ E	**F.Y.**	232 **71**		Tower.	
	-Brisbane River:						
5728 *K 2868*	--Range, front.	27° 15.8′ S 153° 14.5′ E	**Q.Bu.**	33 **10**	6	Beacon, triangular daymark point up.	Visible 026°-038°.
			L.Fl.W. period 10s fl. 2s, ec. 8s		4		Visible 038°-026°.
5732 *K 2868.1*	---Rear, 1.0 mile 031°57′ from front.	27° 15.0′ S 153° 15.1′ E	**Iso.Bu.** period 4s	66 **20**	7	Beacon, triangular daymark point down.	Visible 026°-038°.
			Mo.(A)W. period 6s fl. 0.3s, ec. 0.6s fl. 1s, ec. 4.1s		4		Visible 038°-026°.
	--Outer Bay Cutting:						
5734 *K 2868.3*	---Entrance Range, front.	27° 23.7′ S 153° 09.0′ E	**Q.Bu.**			White tower, red top.	F.Y. by day. Shoulder range lights F.G. (F.Y. by day) and F.R. (F.Y. by day) shown 30 meters each side of range. Entrance marked by synchronized lighted beacons.
5735 *K 2868.31*	----Rear, 1520 meters 211°57′ from front.	27° 24.4′ S 153° 08.5′ E	**Iso.Bu.** period 4s	82 **25**		White tower, black stripe.	F.Y. by day.
5736 *K 2868.8*	---Entrance, W. side, No 1.	27° 18.6′ S 153° 12.5′ E	**Fl.G.** period 4s			Green beacon, triangular daymark point up.	Synchronized with odd number beacons, No.1 through 21.
5740 *K 2868.6*	----E. side, No 2.	27° 18.7′ S 153° 12.6′ E	**Fl.Y.** period 4s			SPECIAL Y, beacon, "X" topmark.	Synchronized with even number beacons, No. 2 through 22.
5741 *K 2869.1*	---Coffee Pot, W. side, No 11.	27° 20.0′ S 153° 11.5′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
			Iso.Bu. period 2s				Visible on range line only. Forms range 303°54′ with beacon No. 12.
5742 *K 2869*	----E. side, No 12.	27° 20.1′ S 153° 11.6′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
			Q.Bu.				Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
	--Inner Bar Cutting:						
5743 *K 2869.4*	---W. side, No 21.	27° 21.6′ S 153° 10.4′ E	**Fl.Y.** period 4s			SPECIAL Y, beacon, "X" topmark.	Old Bar Cutting marked by Fl.R. 2.5s and Fl.G. 2.5s. Tide signal.
5744 *K 2869.5*	---E. side, No 22.	27° 21.7′ S 153° 10.6′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	Q.Y. and Iso.Y. 2s lights in line 032° indicate when 183 meters from wharf.
5748 *K 2869.8*	---Luggage Point.	27° 22.7′ S 153° 09.6′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5750 *K 2870*	---North Range, front.	27° 22.8′ S 153° 09.4′ E	**F.Bu.**			White triangular daymark point up, red border.	
			Q.Bu.				F.Y. by day.
5752 *K 2870.1*	----Rear, 125 meters 005°41′ from front.	27° 22.8′ S 153° 09.4′ E	**F.Bu.**			White triangular daymark point down, red border.	
			Iso.Bu. period 2s				F.Y. by day.
5754 *K 2870.3*	---South Range, front.	27° 24.5′ S 153° 09.2′ E	**F.Bu.**			White triangular daymark point up, red border.	
			Q.Bu.				F.Y. by day.
5756 *K 2870.4*	----Rear 230 meters 185°41′ from front.	27° 24.6′ S 153° 09.2′ E	**F.Bu.**			Red chevron daymark point down.	
			Iso.Bu. period 2s				F.Y. by day.
	--Lytton Rocks Cutting:						
5758 *K 2870.5*	---W. side, N. end.	27° 23.8′ S 153° 09.2′ E	**V.Q.(3)W.** period 5s			E. CARDINAL BYB, buoyant beacon, topmark.	
5760 *K 2871.23*	----S. end.	27° 24.2′ S 153° 09.0′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, buoyant beacon, topmark.	
5762 *K 2871.15*	---E. side.	27° 24.0′ S 153° 09.3′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
5763 *K 2871.2*	---Clara Rock.	27° 24.2′ S 153° 09.1′ E	**V.Q.R.**			PORT (A) R, buoyant beacon, topmark.	
5765 *K 2871.25*	---Caltex Products Wharf.	27° 24.6′ S 153° 08.9′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
5766 *K 2870.6*	---North Range, front.	27° 23.6′ S 153° 09.3′ E	**Q.Bu.**	16 **5**		Beacon, white rectangular daymark, black stripe.	Visible 290°-110°.
			Fl.R. period 2.5s				Visible 110°-290°.
5766.1 *K 2870.7*	----Rear, 2593 meters 019°20′ from front.	27° 22.3′ S 153° 09.8′ E	**Iso.Bu.** period 2s			Beacon, white rectangular daymark, black stripe.	
5767 *K 2871*	---South Range, front.	27° 25.0′ S 153° 08.8′ E	**F.Bu.**			White triangular daymark point up, red border.	
			Q.Bu.				F.Y. by day.
5767.1 *K 2871.1*	----Rear, 400 meters 199°20′ from front.	27° 25.2′ S 153° 08.7′ E	**F.Bu.**			White triangular daymark point down, red border.	
			Iso.Bu. period 2s				F.Y. by day.
5767.3 *K 2871.4*	---Range, No 7F, front.	27° 25.6′ S 153° 08.1′ E	**F.Bu.**			White triangular daymark point up, red border.	F.Y. by day.
5767.4 *K 2871.41*	----No 7R, Rear, 268 meters 217°30′ from front.	27° 25.7′ S 153° 08.0′ E	**F.Bu.**			White triangular daymark point down, red border.	F.Y. by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
5767.5 *K 2873.51*	---Range, No 10FS, front.	27° 26.6′ S 153° 06.7′ E	**F.R.**				F.Y. by day.
5767.6 *K 2873.52*	----No 10RS, rear, 162 meters from front.	27° 26.6′ S 153° 06.8′ E	**F.R.**				F.Y. by day.
5768 *K 2881*	--D'Arcy Lyton boat channel.	27° 25.7′ S 153° 12.0′ E	**Fl.Y.** period 2s		16 **5**	SPECIAL Y, beacon, "X" topmark.	
5769 *K 2872.7*	---Parker Island, No 11, -216°36′.	27° 26.0′ S 153° 06.9′ E	**Dir.W.R.G.**			White triangular daymark point up, red border.	F.G. 206°48′-213°24′, Al.W.G.-216°, F.W.-217°12′, Al.W.R.-219°48′, F.R.-226°24′.
			Q.Bu.				
5770 *K 2874.22*	---Quarries Reach.	27° 26.9′ S 153° 05.5′ E	**Fl.R.** period 3s				
5772 *K 2882*	-Fisherman Island.	27° 24.0′ S 153° 11.0′ E	**Fl.G.** period 3s		12 **4**	STARBOARD (A) G, beacon, topmark.	Q.G. 360 meters NW. S. side of Boat Channel marked by Port beacons, Fl.R. 3s.
5773 *K 2877.5*	-Mud Island, W. side.	27° 20.5′ S 153° 13.8′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
5773.2 *K 2877.6*	--S. side.	27° 21.0′ S 153° 14.6′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
5774 *K 2885*	-Manly Boat Harbor Range, front.	27° 27.2′ S 153° 11.4′ E	**F.Bu.**			Beacon, triangular daymark point up.	F.Y. by day.
5774.1 *K 2885.1*	--Rear, 416 meters 242° from front.	27° 27.3′ S 153° 11.1′ E	**F.Bu.**			Beacon, triangular daymark point down.	F.Y. by day.
5775 *K 2885.2*	--No 1.	27° 26.7′ S 153° 12.2′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by lighted port and starboard beacons.
5782 *K 2878.5*	-St. Helena Island, NW. side.	27° 22.8′ S 153° 13.6′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5782.2 *K 2878.3*	--N. side.	27° 22.2′ S 153° 14.0′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5782.3 *K 2878.4*	--NW. side.	27° 21.9′ S 153° 13.9′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
5782.6 *K 2878.2*	--North Point.	27° 22.2′ S 153° 14.2′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
5783 *K 2878.7*	--Jetty.	27° 23.3′ S 153° 13.4′ E	**Fl.G.** period 4s				
5783.1 *K 2878*	--SE. side.	27° 24.3′ S 153° 14.4′ E	**Q(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	F.R. on 2 radio masts 1.3 miles N.
5783.3 *K 2880.9*	-Green Island, N. side.	27° 24.9′ S 153° 13.6′ E	**V.Q.W.**			N. CARDINAL BY, beacon, topmark.	
5783.5 *K 2880.8*	--NW. side.	27° 25.1′ S 153° 13.3′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
5783.7 *K 2880.7*	--NE. side.	27° 24.9′ S 153° 14.6′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
5783.9 *K 2880.6*	--S. side.	27° 26.4′ S 153° 14.5′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
5784 *K 2886.8*	-Hope Bank.	27° 26.1′ S 153° 17.4′ E	**Fl.(2)W.** period 6s			ISOLATED DANGER BRB, beacon, topmark.	
5788 *K 2897*	-Chain Banks, SW. side.	27° 25.3′ S 153° 18.3′ E	**Fl.G.** period 2.5s			Green beacon, triangular daymark point up.	
5792 *K 2900.88*	Amity Banks, SW. side.	27° 27.1′ S 153° 19.6′ E	**Fl.G.** period 6s			Green beacon, triangular daymark point up.	Beacon Fl.G. 4s close ESE.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
5800 *K 2898.7*	-Hanlon.	27° 28.2′ S 153° 21.0′ E	**Fl.R.** period 6s fl. 0.3s, ec. 5.7s		6	PORT (A) R, beacon, topmark.	
5801 *K 2898.8*	--Close W.	27° 28.2′ S 153° 20.9′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
5802 *K 2901*	-The Gutter Range, front.	27° 29.5′ S 153° 21.0′ E	**Q.Y.**				
5803 *K 2901.01*	--Rear, 64 meters 194°46′ from front.	27° 29.6′ S 153° 20.6′ E	**Iso.W.** period 2s				
5804 *K 2899.4*	-W.A. Douglas.	27° 29.6′ S 153° 22.9′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
5805 *K 2899.9*	-Dunwich Range, front.	27° 29.6′ S 153° 24.3′ E	**F.Bu.**				F.Y. by day.
5806 *K 2899.91*	--Rear, 80 meters 103° from front.	27° 29.6′ S 153° 24.2′ E	**F.Bu.**				F.Y. by day.
5807.8 *K 2899.98*	-Myora Bank.	27° 28.9′ S 153° 24.0′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
5808 *K 2900*	-Myora.	27° 28.4′ S 153° 24.3′ E	**Fl.R.** period 6s fl. 0.3s, ec. 5.7s	20 **6**		PORT (A) R, beacon, topmark.	
5808.4 *K 2900.1*	-Capembah.	27° 28.3′ S 153° 24.6′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
5809 *K 2900.2*	-Rainbow Channel.	27° 28.1′ S 153° 24.9′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
5810 *K 2900.52*	-Wanga Wallen, S. end.	27° 27.2′ S 153° 25.0′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
5810.2 *K 2900.62*	--N. end.	27° 25.4′ S 153° 25.1′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
5813 *K 2898.3*	--N.	27° 30.2′ S 153° 17.2′ E	**V.Q.W.**			N. CARDINAL BY, beacon, topmark.	
5816 *K 2863*	-Kounungai.	27° 17.6′ S 153° 24.1′ E	**Fl.W.R.** period 6s		3	White triangular daymark point up, black stripe.	W. 066°-121°, R.-066°.
5817 *K 2863.2*	-Coonungai Bank.	27° 19.5′ S 153° 21.5′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
5818 *K 2901.4*	-Fison Channel, No 1.	27° 32.5′ S 153° 18.3′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5818.1 *K 2901.45*	--No 2.	27° 32.1′ S 153° 17.8′ E	**Fl.R.** period 1.5s			PORT (A) R, beacon, topmark.	
5818.6 *K 2901.7*	-Banana Bank, N.	27° 32.0′ S 153° 20.0′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
5820 *K 2901.87*	-Wallen Wallen, S.	27° 33.6′ S 153° 24.1′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
5821 *K 2901.85*	-Pelican Banks, N.	27° 33.9′ S 153° 24.3′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
5825 *K 2903.015*	-Barge ramp.	27° 36.8′ S 153° 18.8′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	
5828 *K 2861.5*	-Tangalooma Range No 1, front.	27° 11.4′ S 153° 22.1′ E	**Q.Bu.**	32 **10**		Triangular daymark point up.	Visible 070°18′-074°18′.
5832 *K 2861.51*	--Rear, 180 meters 072°19′ from front.	27° 11.4′ S 153° 22.2′ E	**Iso.Bu.** period 2s	229 **70**		Triangular daymark point down.	Visible 070°18′-074°18′.
5836 *K 2861.7*	--Range No 2, front.	27° 10.4′ S 153° 22.4′ E	**Q.Bu.**			Triangular daymark point up.	Visible 027°36′-031°36′.
5840 *K 2861.71*	---Rear, 030°50′ from front.	27° 10.6′ S 153° 22.3′ E	**Iso.Bu.** period 2s			Triangular daymark point down.	Visible 027°36′-031°36′.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
5844 *K 2859*	-Cowan Point.	27° 08.5′ S 153° 21.9′ E	**Fl.W.R.G.** period 2s	30 **9**	10	Square metal framework tower, orange and yellow square daymarks on NW. and SW. facings; 30.	G. 346°-016°30′, R.-048°30′, W.-055°, R.-132°, W.-141°, R.-193° (partially obscured by trees).
5848 *K 2854*	-North Point Range, front.	27° 01.4′ S 153° 27.3′ E	**Q.W.R.**	81 **25**	W. 9 R. 8	White square concrete building; 23.	W. 104°-192°, R.-244°, W.-258°, R.-294°.
5852 *K 2854.1*	**--Cape Moreton,** rear, 0.86 mile 132°30′ from front.	27° 01.9′ S 153° 28.0′ E	**Fl.(4)W.** period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 9.7s	400 **122**	**16**	White stone tower, red bands, cupola; 75.	
5860 *K 2852*	**Point Lookout.**	27° 25.9′ S 153° 32.4′ E	**Fl.(3)W.** period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	256 **78**	**16**	White square concrete tower; 16.	
5864 *K 2847*	**Coolangatta** AVIATION LIGHT.	28° 09.9′ S 153° 30.5′ E	**Al.Fl.W.G.** period 7.4s fl. 0.2s, ec. 3.5s fl. 0.2s, ec. 3.5s	61 **19**	W. **28** G. **24**		
	SOUTHPORT:						
5866 *K 2850.2*	-Gold Coast Seaway Range, front.	27° 56.0′ S 153° 25.9′ E	**Fl.G.** period 4.3s		5		
5866.1 *K 2850.21*	--Rear, 1.45 miles 290°54′ from front.	27° 55.5′ S 153° 24.3′ E	**Oc.W.** period 5s	344 **105**	8	Building.	F.W. by day.
5866.5 *K 2850*	-Entrance Range, front.	27° 56.3′ S 153° 25.0′ E	**Iso.Bu.** period 4s			White tower; 16.	
5866.6 *K 2850.1*	--Rear, 1000 meters 255° from front.	27° 56.4′ S 153° 24.5′ E	**F.Bu.**			White pole.	F.Y. by day.
5868 *K 2845*	-Point Danger, Captain Cook Memorial.	28° 09.9′ S 153° 33.0′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	148 **45**	11	White concrete tower; 66. Floodlit.	Visible 170°-330°.
5869 *K 2846.2*	-N. breakwater, head.	28° 10.1′ S 153° 33.3′ E	**Fl.G.** period 3s	30 **9**	5		
5869.1 *K 2846.4*	-S. breakwater, head.	28° 10.2′ S 153° 33.3′ E	**Fl.R.** period 3s	30 **9**	5		
5869.2 *K 2846.6*	-Spur wall, head.	28° 10.2′ S 153° 32.9′ E	**Fl.R.** period 3s fl. 1s, ec. 2s		1	Red beacon; 10.	
5869.3 *K 2846.8*	-Terranora Creek, training wall.	28° 11.0′ S 153° 33.0′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
5872 *K 2844*	**Fingal Head.**	28° 12.0′ S 153° 34.3′ E	**Fl.W.R.** period 5s	80 **24**	W. **17** R. 14	White stone tower, lantern; 23.	R. 251°-294°, W.-251°. Obscured by Cook Island 229°-242° when near the island.
5876 *K 2841*	Brunswick River, N. breakwater head.	28° 32.0′ S 153° 33.0′ E	**Fl.G.** period 3s fl. 1s, ec. 2s		3	Post.	
5880 *K 2840*	-S. breakwater, head.	28° 32.3′ S 153° 33.5′ E	**Fl.R.** period 3s fl. 1s, ec. 2s		3	Post.	
5884 *K 2838*	**Cape Byron.**	28° 38.3′ S 153° 38.2′ E	**Fl.W.** period 15s fl. 0.1s, ec. 14.9s	387 **118**	**27**	White concrete tower, lantern; 72.	
			F.R.	364 **111**	8		Visible 148°-189°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
5888 *K 2834*	Ballina Head.	28° 52.0′ S 153° 35.5′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	115 **35**	14	White masonry tower, lantern; 23.	
5892 *K 2835*	-N. breakwater, head.	28° 52.0′ S 153° 35.5′ E	**Fl.G.** period 3s fl. 1s, ec. 2s	23 **7**	3	Mast.	
5896 *K 2836*	-S. breakwater, head.	28° 51.8′ S 153° 35.4′ E	**Fl.R.** period 3s	30 **9**	2	Mast; 10.	
5898 *K 2834.5*	AVIATION LIGHT.	28° 48.9′ S 153° 30.8′ E	**Oc.R.** period 1.5s	495 **151**		Tower.	
5900 *K 2829*	Evans, head.	29° 07.1′ S 153° 26.9′ E	**Fl.W.R.** period 5s fl. 1s, ec. 4s	167 **51**	W. 9 R. 7	White fiberglass hut; 13.	R. 323°-027°, W.-323°.
	EVANS RIVER:						
5904 *K 2830*	-N. breakwater.	29° 06.0′ S 153° 26.2′ E	**Fl.G.** period 3s fl. 1s, ec. 2s	30 **9**	3		
5908 *K 2831*	-S. breakwater, head.	29° 07.0′ S 153° 26.0′ E	**Fl.R.** period 3s fl. 1s, ec. 2s		3	Mast; 26.	
	CLARENCE RIVER:						
5916 *K 2819*	-S. breakwater, Range, front.	29° 25.7′ S 153° 22.3′ E	**Oc.R.** period 3s	13 **4**	6	Post.	
5920 *K 2818*	**Clarence Head**, common rear, 237°36′ from front.	29° 26.0′ S 153° 21.8′ E	**Fl.(3)W.** period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	135 **41**	**16**	White concrete tower, lantern; 56.	Visible 171°-000°.
	-131°30′ from front.		**F.Bu.**				Forms range with North Channel light.
5924 *K 2818.4*	-N. breakwater, head.	29° 25.5′ S 153° 22.4′ E	**Oc.G.** period 3s lt. 2s, ec. 1s	20 **6**	6	Post.	
5932 *K 2819.9*	-Half tide training wall, entrance Range, front.	29° 25.6′ S 153° 21.0′ E	**Q.Bu.**			Beacon, triangular daymark point up.	Visible on range line only. Moved to meet changes in the channel.
5936 *K 2820*	--Common rear, 278°32′ from front.	29° 25.6′ S 153° 20.6′ E	**Oc.Bu.** period 3s			Beacon, triangular daymark point down.	Visible on range line only.
	--177°58′ from front.		**Fl.R.** period 3s				
5940 *K 2820.1*	---Front, 770 meters from common rear.	29° 25.1′ S 153° 20.6′ E	**Fl.R.** period 3s		3		Visible on range line only.
5945 *K 2822*	-North channel Range, front.	29° 25.5′ S 153° 21.3′ E	**Fl.Bu.** period 2s		4	Beacon, triangular daymark point up.	Forms range 131°30′ with Clarence Head light.
5948 *K 2824*	-Range, front.	29° 26.0′ S 153° 22.0′ E	**F.G.**	49 **15**		Beacon, triangular daymark point up, black stripe.	
5952 *K 2824.1*	--Center, 64 meters from front.	29° 26.0′ S 153° 21.6′ E	**F.G.**			Beacon.	
5956 *K 2824.2*	--Rear, 145 meters 142°30′ from front.	29° 26.0′ S 153° 21.7′ E	**F.R.**	118 **36**	8	Beacon, triangular daymark point down.	
5960 *K 2814*	Wooli River Entrance Range, front.	29° 53.1′ S 153° 16.2′ E	**Iso.Bu.** period 2s	18 **5**	2	Post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
5960.1 *K 2814.1*	-Rear, 252°11′ from front.	29° 53.1′ S 153° 16.2′ E	**Fl.Bu.** period 3s		3		
5964 *K 2815.4*	-N. breakwater, head.	29° 53.3′ S 153° 16.1′ E	**Fl.G.** period 3s fl. 1s, ec. 2s	18 **5**	3	Post.	
5968 *K 2815*	-S. breakwater, head.	29° 53.2′ S 153° 16.2′ E	**Fl.R.** period 3s fl. 1s, ec. 2s	14 **4**	3	Post.	
5969 *K 2815.6*	-Channel beacon.	29° 53.5′ S 153° 15.9′ E	**Fl.G.** period 3s			Green beacon.	
5972 *K 2813*	North Solitary Island, summit.	29° 55.5′ S 153° 23.4′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	190 **58**	10	White fiberglass hut; 13.	
5973 *K 2812.51*	Arrawarra.	30° 03.1′ S 153° 12.1′ E	**Fl.Bu.** period 3s		3		
5975 *K 2812.5*	Green Bluff.	30° 06.6′ S 153° 12.2′ E	**Fl.Y.** period 3s		4		
5976 *K 2812*	**South Solitary Island.**	30° 12.4′ S 153° 16.1′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	190 **58**	**17**	White round masonry tower, lantern; 66.	
5979 *K 2803.2*	-N. AVIATION LIGHT.	30° 15.8′ S 153° 07.2′ E	**Iso.R.** period 2s	1017 **310**		Tower.	Obstruction.
	COFFS HARBOR:						
5980 *K 2805*	-Jetty, head.	30° 18.4′ S 153° 08.6′ E	**Q.(3)W.** period 10s				Shown when a vessel is expected.
5982 *K 2803.6*	-Korffs Islet.	30° 19.0′ S 153° 09.4′ E	**Q.(3)W.** period 10s	85 **26**	5		
5984 *K 2804.5*	-E. breakwater.	30° 18.5′ S 153° 09.2′ E	**Q.R.**	36 **11**	6	Post.	
5988 *K 2804*	-Range, front.	30° 18.5′ S 153° 08.2′ E	**F.Bu.**				
5992 *K 2804.1*	--Rear, 187 meters 270°42′ from front.	30° 18.5′ S 153° 08.1′ E	**F.Bu.**				
5993 *K 2806*	-Boat harbor, E. breakwater, head.	30° 18.3′ S 153° 08.7′ E	**Fl.G.** period 3s	24 **7**	3	Mast; 16.	
5993.5 *K 2807*	-Boat harbor, W. breakwater, head.	30° 18.3′ S 153° 08.6′ E	**Fl.R.** period 3s	24 **7**	3	Mast; 16.	
5996 *K 2803*	-AVIATION LIGHT.	30° 19.4′ S 153° 06.8′ E	**Al.Fl.W.G.** period 7.4s W. fl. 0.2s, ec. 3.5s G. fl. 0.2s, ec. 3.5s	58 **18**	W. **28** G. **24**	Metal tower; 49.	Aero.Iso.R. 2s 1.2 miles NE. and 2.7 miles N.
5999 *K 2800*	Macleay River, Bar Range, front.	30° 52.6′ S 153° 01.0′ E	**F.Bu.**		3	White neon triangular daymark point up, black stripe; 10.	Visible 233°-253°.
5999.1 *K 2800.1*	-Rear, 75 meters 243° from front.	30° 52.7′ S 153° 01.0′ E	**F.Bu.**		3	White neon triangular daymark point down, black stripe; 16.	Visible 233°-253°.
6002 *K 2799.6*	-S. breakwater, head.	30° 52.3′ S 153° 01.7′ E	**Q.R.**	26 **8**	5		
6003 *K 2799.25*	Laggers Point.	30° 52.5′ S 153° 04.0′ E	**Fl.R.** period 3s		3		
6008 *K 2799.2*	Point Briner.	30° 53.0′ S 153° 02.0′ E	**Fl.R.** period 3s fl. 1s, ec. 2s	10 **3**	3	Post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6016 *K 2796*	**Smoky Cape.**	30° 55.4′ S 153° 05.2′ E	**Fl.(3)W.** period 20s fl. 0.1s, ec. 3.1s fl. 0.1s, ec. 3.1s fl. 0.1s, ec. 13.5s	420 **128**	**25**	White octagonal tower; 57.	3 F.R. on tower 8.7 miles SW.
6016.5 *K 2796.1*	-Fish Rock.	30° 56.4′ S 153° 06.1′ E	**Fl.(2)W.** period 10s		5	Beacon; 3.	
	PORT MACQUARIE:						
6017 *K 2790*	-Bar.	31° 25.6′ S 152° 54.9′ E	**Oc.W.R.G.** period 4s				G. 239°-244°, W.-249°, R.-269°.
6019 *K 2792*	-S. breakwater.	31° 25.6′ S 152° 55.1′ E	**Fl.R.** period 3s fl. 1s, ec. 2s	30 **9**	3	White octagonal tower, lantern.	
6020 *K 2791*	-N. breakwater.	31° 25.5′ S 152° 55.1′ E	**Fl.G.** period 3s fl. 1s, ec. 2s	30 **9**	3		
6024 *K 2788*	**Tacking Point.**	31° 28.5′ S 152° 56.2′ E	**Fl.(4)W.** period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 9.7s	111 **34**	**16**	White masonry tower, dwelling, white lantern; 26.	
6028 *K 2784*	**Crowdy Head.**	31° 50.6′ S 152° 45.2′ E	**Fl.(2)W.R.** period 10s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 6.6s	201 **61**	W. **16** R. 13	White masonry tower, lantern; 23.	R. 197-227°, W.-197°.
	CAPE HAWKE HARBOR:						
6034 *K 2782.4*	-Approach Range, front.	32° 10.4′ S 152° 30.6′ E	**F.Bu.**	30 **9**	6		Entrance marked by beacons.
6034.1 *K 2782.41*	--Rear, 326 meters 256°24′ from front.	32° 10.5′ S 152° 30.4′ E	**F.Bu.**	55 **17**	6		
6036 *K 2781*	-S. breakwater.	32° 10.4′ S 152° 30.7′ E	**Q.R.**	33 **10**	4	Mast.	
6040 *K 2780*	-N. breakwater.	32° 10.4′ S 152° 30.6′ E	**Oc.G.** period 3s	33 **10**	4	Mast.	
6044 *K 2783*	-Training Wall.	32° 10.5′ S 152° 30.4′ E	**Fl.G.** period 5s		5	Beacon.	
6048 *K 2776*	**Sugarloaf Point.**	32° 26.5′ S 152° 32.3′ E	**Fl.W.** period 7.5s fl. 0.1s, ec. 7.4s	259 **79**	**25**	White round masonry tower, lantern; 49.	
			F.R.	240 **73**	13		Visible 307°-010° over Seal Rocks and adjacent dangers.
6050 *K 2775.9*	Little Broughton Island.	32° 37.4′ S 152° 20.1′ E	**Q.(3)W.** period 10s	338 **103**	5		
	PORT STEPHENS:						
6052 *K 2770*	-**Point Stephens.**	32° 44.8′ S 152° 12.1′ E	**Fl.(4)W.** period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 14.9s	126 **38**	**17**	White stone tower, lantern; 69.	
6054 *K 2770.5*	-Tomaree, head.	32° 42.7′ S 152° 11.3′ E	**Fl.R.** period 4s fl. 1s, ec. 3s	46 **14**	5		Visible 110°-320°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6057 *K 2771.2*	-Fly Point Range, front.	32° 43.0′ S 152° 09.0′ E	**F.Bu.**	46 **14**	4	Beacon, rectangular daymark.	
6057.1 *K 2771.21*	--Rear, 64 meters 091°55′ from front.	32° 43.0′ S 152° 09.0′ E	**F.Bu.**	72 **22**	4	Beacon, rectangular daymark.	
6061 *K 2771.5*	-Breakwater, NW.	32° 43.1′ S 152° 08.7′ E	**Iso.G.** period 2s	14 **4**	4		
6061.1 *K 2771.6*	-Breakwater, SE.	32° 43.2′ S 152° 08.7′ E	**Iso.R.** period 2s	14 **4**	4		
6062 *K 2770.8*	-Corrie Island.	32° 41.0′ S 152° 08.1′ E	**Dir.Iso.W.R.G.** period 4s	56 **17**	W. 8 R. 6 G. 6	Green beacon.	G. 291°-292°, W.-295°, R.-296°.
6063 *K 2727*	Approach to Newcastle.	32° 55.8′ S 151° 47.0′ E	**F.R.**	180 **55**			Occasional.
	NEWCASTLE HARBOR:						
6064 *K 2728*	**-Nobby's Head.**	32° 55.1′ S 151° 47.9′ E	**Fl.(2+1)W.** period 20s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.2s fl. 0.3s, ec. 8.2s	115 **35**	**24**	White masonry tower, lantern; 33.	Visible 201°-037°. Traffic signals. **Siren:** 1 bl. ev. 20s (bl. 10s, si. 10s). Tide signal.
6068 *K 2732*	-Stockton Range, front, N. breakwater, head.	32° 54.8′ S 151° 47.9′ E	**Oc.G.** period 3s lt. 2s, ec. 1s	40 **12**	5	Black wooden framework tower, orange triangular daymark point up.	
6069 *K 2732.1*	--Rear, 980 meters 265° from front.	32° 54.8′ S 151° 47.3′ E	**F.G.**	95 **29**	6		
6070 *K 2733*	-Entrance.	32° 54.8′ S 151° 47.9′ E	**F.G.**	30 **9**	2		
6072 *K 2730*	-S. breakwater, head.	32° 55.0′ S 151° 48.2′ E	**Oc.W.R.** period 3s	45 **14**	W. 8 R. 5	Black wooden framework tower, orange square daymark.	W. 084°-306°, R.-084°.
6076 *K 2740*	-Entrance Channel Range, front, 403 meters 056°06′ from common rear.	32° 55.5′ S 151° 46.8′ E	**F.R.**	105 **32**	5	Metal mast, orange stripe.	F.W. by day.
6078 *K 2740.01*	--NW. Shoulder Range, front, 054°47′ from common rear.	32° 55.5′ S 151° 46.8′ E	**F.G.**			Metal pole, orange rectangular daymark, stripe; 39. Floodlit.	**Siren:** 1 bl. ev. 15s (bl. 5s, si. 10s).
6079 *K 2740.02*	--SE. Shoulder Range, front, 058°25′ from common rear.	32° 55.5′ S 151° 46.8′ E	**F.G.**			Metal pole, orange rectangular daymark, stripe; 39. Floodlit.	
6080 *K 2740.1*	--Common rear.	32° 55.7′ S 151° 46.6′ E	**F.W.**	167 **51**	5	Metal mast, orange stripe.	
6088 *K 2729*	-Approach Range, front.	32° 55.2′ S 151° 47.2′ E	**F.G.**	50 **15**	10	Mast, orange stripe; 49.	Visible 236°-115°, intensified 237°18′-252°18′. Shown 24 hours.
6092 *K 2729.1*	--Dyke Point, rear, 1,000 meters 244°50′ from front.	32° 55.4′ S 151° 46.6′ E	**F.G.**	80 **24**	10	Mast, orange stripes; 79.	Visible 190°-110°, intensified 237°18′-252°18′.
6093 *K 2750*	-Pilot Wharf.	32° 55.4′ S 151° 47.3′ E	**2 F.R.**				Occasional.
6094 *K 2742*	-Queens Wharf, NW. corner.	32° 55.5′ S 151° 46.8′ E	**Fl.R.** period 3s				
6094.1 *K 2742.2*	--NE. corner.	32° 55.5′ S 151° 46.9′ E	**Fl.R.** period 3s				
6096 *K 2759*	-W. Basin.	32° 55.2′ S 151° 46.1′ E	**F.R.**	203 **62**	10	Silo.	Visible 167°-347°. F.W. by day. F.G. marks SE. corner of W. Basin.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6097 *K 2757.5*	**-Throsby No 1.**	32° 55.4′ S 151° 45.7′ E	**Dir.W.R.G.**	111 **34**	**15**	Gray metal tower; 105.	F.G. 272°06′-273°42′, Al.W.G.-274°18′ (W. phase increasing with bearing), F.W.-274°54′, Al.W.R.-275°36′ (R. phase increasing with bearing), F.R.-277°06′. 3 Fl.R. 3s shown along Lee Wharf.
6100 *K 2743*	-Horse Shoe Range, front.	32° 55.4′ S 151° 47.4′ E	**F.R.**	31 **9**		Mast, orange triangular daymark point up.	
6104 *K 2743.1*	--Rear, 180 meters 102°31′ from front.	32° 55.4′ S 151° 47.5′ E	**F.R.**	47 **14**		Metal framework tower, orange triangular daymark point down.	
6108 *K 2758*	-Wickham Range, front.	32° 55.5′ S 151° 47.2′ E	**F.R.**	56 **17**		Mast, red triangular daymark point up.	
6112 *K 2758.1*	--Rear, 203 meters 094°37′ from front.	32° 55.5′ S 151° 47.5′ E	**F.R.**	85 **26**		Mast, red triangular daymark point down.	
6116 *K 2762*	-Stockton Crossing Range, front.	32° 54.4′ S 151° 46.8′ E	**F.R.**	19 **6**	4	Pile beacon, orange triangular daymark point up.	
6120 *K 2762.1*	--Rear, 197 meters 039°38′ from front.	32° 54.3′ S 151° 46.9′ E	**F.R.**	30 **9**	6	Metal framework tower, orange triangular daymark point up, white border.	
6121 *K 2760.5*	-Steelworks Channel Range, front.	32° 55.1′ S 151° 46.4′ E	**Oc.G.** period 20s	92 **28**	6	Orange square daymark.	Visible 095°-255°. 5 Fl.R. 3s mark dockyard berths.
	-AVIATION LIGHT.		**F.R.**	92 **28**			Obstruction.
6121.2 *K 2760.51*	--Rear, 388 meters 174°41′ from front.	32° 55.3′ S 151° 46.4′ E	**F.G.**	112 **34**	6	Orange square daymark.	Visible 095°-255°.
6125 *K 2760*	-Port Waratah.	32° 53.2′ S 151° 46.2′ E	**F.W.G.**	210 **64**	W. 14 G. 12	Metal column; 197.	G. 349°42′-354°42′, W.-359°42′. 2 W. lights (horiz.) visible when within center of 10 meter channel.
			F.W.R.	210 **64**	W. 14 R. 12		W. 349°42′-354°42′, R.-359°42′.
6126 *K 2764*	-Hunter River, No 1.	32° 53.4′ S 151° 47.3′ E	**Fl.G.** period 3s			Beacon, green triangular daymark point up.	
6127 *K 2765.2*	-Stockton Bridge, center.	32° 53.1′ S 151° 47.2′ E	**F.Bu.**				On N. and S. sides.
6127.1 *K 2765*	--W. side.	32° 53.1′ S 151° 47.2′ E	**Fl.R.** period 3s				On N. and S. sides.
6127.2 *K 2765.4*	--E. side.	32° 53.1′ S 151° 47.2′ E	**Fl.G.** period 3s				On N. and S. sides.
6128 *K 2766*	-Hunter River, No 4.	32° 52.7′ S 151° 47.0′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	Channel marked by lighted buoys and beacons No 5 to No 15.
6134 *K 2722*	-Moon Island.	33° 05.4′ S 151° 40.0′ E	**Iso.W.R.** period 2s	39 **12**	5		W. 078°-010°, R.-078°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
	CATHERINE HILL BAY:						
6152 *K 2712*	**-Norah Head.**	33° 16.9′ S 151° 34.7′ E	**Fl.W.** period 15s fl. 0.1s, ec. 14.9s	151 **46**	**26**	White concrete tower, lantern; 89.	
			F.R.	128 **39**	8		Visible 210°-241°.
			F.G.	144 **44**	7		Visible 000°-040°.
6154 *K 2711*	Terrigal.	33° 27.2′ S 151° 26.5′ E	**Fl.W.G.** period 2s	246 **75**	W. 5 G. 2		G. 205°-225°, W.-349°.
	BROKEN BAY:						
6156 *K 2702*	-Barrenjoey Head.	33° 34.8′ S 151° 19.8′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	371 **113**	12	Red round stone tower, white lantern; 66.	Visible 012°-343°.
	CROOKHAVEN RIVER:						
6160 *K 2710*	-Lobster Beach.	33° 32.0′ S 151° 20.0′ E	**Fl.G.** period 3s			Green beacon.	
6164 *K 2710.2*	--	33° 31.8′ S 151° 20.4′ E	**Fl.G.** period 3s			Green beacon.	
6172 *K 2707.8*	-Flat Rock Point.	33° 33.0′ S 151° 14.0′ E	**Fl.R.** period 3s fl. 1s, ec. 2s			Red beacon.	
	PORT JACKSON:						
6176 *K 2637*	-Outer N. head.	33° 49.4′ S 151° 18.0′ E	**Iso.G.** period 2s	240 **73**	3	Mast.	
6180 *K 2636*	**-Hornby.**	33° 50.0′ S 151° 16.9′ E	**L.Fl.W.** period 5s fl. 2s, ec. 3s	90 **27**	**15**	White tower, red stripes; 30.	F.R. obstruction lights mark 3 radio masts on Middle Head.
6184 *K 2638*	-Entrance Range, front.	33° 49.1′ S 151° 15.7′ E	**Oc.(4)W.R.G.** period 15s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 8s, ec. 1s	61 **19**	W. 12 R. 9 G. 9	White tower.	G. 276°-288°, W.-306°, R.-312°.
6188 *K 2638.1*	--Rosherville, rear, 1,690 yards 293°53′ from front.	33° 48.7′ S 151° 14.8′ E	**Fl.G.** period 3s fl. 1s, ec. 2s	142 **43**	12	White tower.	F.R. and Oc.R. lights on two towers 2.6 miles W.
6190 *K 2641*	-Manly Cove.	33° 48.1′ S 151° 17.1′ E	**Fl.(2)W.** period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s			ISOLATED DANGER BRB, beacon, topmark.	
6190.1 *K 2641.1*	--Manley Wharf, E. side.	33° 48.0′ S 151° 17.0′ E	**2 F.R.**				
6190.2 *K 2641.102*	---W. side.	33° 48.0′ S 151° 17.0′ E	**2 F.G.**				
6191 *K 2638.52*	-Middle Harbor, Spit Bridge, N. channel, N. side.	33° 48.1′ S 151° 14.8′ E	**F.G.**				On both sides of bridge.
6191.1 *K 2638.57*	---S. side.	33° 48.1′ S 151° 14.8′ E	**F.R.**				On both sides of bridge.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6191.5 *K 2638.53*	--S. channel, N. side.	33° 48.2′ S 151° 14.8′ E	**F.G.**				On both sides of bridge.
6191.6 *K 2638.55*	---S. side.	33° 48.2′ S 151° 14.8′ E	**F.R.**				On both sides of bridge.
6192 *K 2644*	-Western Channel Beacon.	33° 50.4′ S 151° 15.9′ E	**Oc.R.** period 3s lt. 2s, ec. 1s	26 **8**	5	White beacon, piles.	
6193 *K 2643*	--Georges Head.	33° 50.3′ S 151° 15.8′ E	**Q.G.**			STARBOARD (A) G, pile, topmark.	
6196 *K 2652*	-Eastern Channel Beacon, SE. end of shoal.	33° 50.5′ S 151° 16.3′ E	**Oc.G.** period 3s lt. 2s, ec. 1s	26 **8**	5	White beacon, piles.	
	SYDNEY HARBOR:						
6200 *K 2650*	-E. side of entrance to Vaucluse Bay Range, front.	33° 51.0′ S 151° 16.4′ E	**F.R.**	52 **16**	5	White tower.	Visible 143°-231°.
6204 *K 2650.1*	--Rear, 945 meters 185°25′ from front.	33° 51.5′ S 151° 16.4′ E	**F.R.**	275 **84**	5	White tower.	
6204.7 *K 2652.5*	-Bottle and Glass Point.	33° 50.8′ S 151° 16.3′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
6205 *K 2653.5*	-Shark Bay.	33° 51.0′ S 151° 15.9′ E	**Q.R.**			PORT (A) R, pile, topmark.	
6205.5 *K 2654*	--Point.	33° 51.2′ S 151° 15.7′ E	**Fl.Y.** period 3s fl. 0.5s, ec. 2.5s			Dolphin.	
6206 *K 2653*	-Vaucluse.	33° 51.7′ S 151° 16.5′ E	**Oc.W.R.** period 3s	423 **129**	4	Tower.	R. 084°-097°30′, W.-165°. F.R. 138 meters and 123 meters on water tower 1.6 miles SW.
6208 *K 2656*	-Shark Island.	33° 51.4′ S 151° 15.4′ E	**Fl.(3)R.** period 8s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s	40 **12**	6	White tower.	Visible in fairway of harbor between Shark Point and Point Piper.
6209 *K 2657*	--Off W. side.	33° 51.5′ S 151° 15.3′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
6210 *K 2656.6*	--Off S. side.	33° 51.6′ S 151° 15.5′ E	**Q.(6)+L.Fl.** period 15s			S. CARDINAL YB, beacon, topmark.	
6214 *K 2663.7*	-Athol Bay, Athol Wharf, W. side.	33° 50.8′ S 151° 14.4′ E	**F.G.**				
6215 *K 2663.6*	---E. side.	33° 50.8′ S 151° 14.4′ E	**F.R.**				
6216 *K 2662*	-Bradley, head.	33° 51.2′ S 151° 14.8′ E	**Oc.G.** period 3s lt. 2s, ec. 1s	22 **7**	6	White tower.	
6217 *K 2662.2*	--Off E. side.	33° 51.1′ S 151° 14.9′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, beacon, topmark.	
6218 *K 2663*	-Clarke Island, S.	33° 51.8′ S 151° 14.5′ E	**Q.G.**			STARBOARD (A) G, beacon, topmark.	
6219 *K 2663.5*	-Darling Point, NW.	33° 52.0′ S 151° 14.1′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
6220 *K 2664*	-Cremorne Point.	33° 50.9′ S 151° 14.0′ E	**Oc.G.** period 3s lt. 2s, ec. 1s	25 **8**	5	White round tower; 26.	
6222 *K 2665*	-Garden Island.	33° 51.4′ S 151° 13.8′ E	**Q.R.**			PORT (A) R, pile, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6224 *K 2666*	-Fort Denison.	33° 51.3′ S 151° 13.6′ E	**Fl.(4)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	61 **19**	5	Concrete tower.	
6226 *K 2668*	--Off SW. extremity.	33° 51.3′ S 151° 13.5′ E	**Oc.G.** period 3s lt. 2s, ec. 1s	20 **6**	6	White tapered structure.	
6236 *K 2673.5*	-Wudyong Point breakwater, head.	33° 50.8′ S 151° 13.2′ E	**Iso.R.** period 6s				
6244 *K 2674*	-Kirribilli Point Reef.	33° 51.2′ S 151° 13.1′ E	**F.G.**	11 **3**	3	White tapered structure.	
6248 *K 2678*	-Bennelong Point.	33° 51.4′ S 151° 12.9′ E	**F.R.**	12 **4**	3	Red beacon, cage topmark.	
6252 *K 2682*	-Sydney Cove, entrance, W. side.	33° 51.3′ S 151° 12.7′ E	**F.R.**	23 **7**	6	Red beacon, cage topmark.	
6256 *K 2676*	-Bridge between Milsons Point and Dawes Point.	33° 51.1′ S 151° 12.7′ E	**F.R.Y.**	172 **52**	5	Neon diamond daymark, yellow stripe.	
6257 *K 2676.2*	--W. side.	33° 51.1′ S 151° 12.6′ E	**F.R.Y.**	171 **52**	5	Neon diamond daymark, yellow stripe.	
6260 *K 2684*	-Dawes Point.	33° 51.3′ S 151° 12.6′ E	**F.R.**	23 **7**	6	Tower.	
6261 *K 2686*	--NW.	33° 51.2′ S 151° 12.5′ E	**Oc.R.** period 3s lt. 2s, ec. 1s	39 **12**	3	Shed.	
6264 *K 2676.4*	-AVIATION LIGHT.	33° 51.1′ S 151° 12.6′ E	**Oc.R.** period 1.5s lt. 1s, ec. 0.5s	453 **138**	**25**	Top of center span.	
6268 *K 2688*	-Blues Point.	33° 51.0′ S 151° 12.2′ E	**Iso.G.** period 2s	58 **18**	6	White framework tower.	
6272 *K 2695*	-Goat Island.	33° 51.1′ S 151° 11.9′ E	**Oc.W.** period 3s lt. 2s, ec. 1s	43 **13**	3	White octagonal wooden tower.	F.W. by day.
6276 *K 2692*	-Range, front.	33° 51.1′ S 151° 11.8′ E	**F.G.**				
6280 *K 2692.1*	--Rear, 55 meters 354°44′ from front.	33° 51.1′ S 151° 11.8′ E	**F.G.**				
6284 *K 2693*	-Range, front.	33° 51.1′ S 151° 11.9′ E	**F.R.**				
6288 *K 2693.1*	--Rear, 50 meters 354°20′ from front.	33° 51.1′ S 151° 11.9′ E	**F.R.**				
6289 *K 2695.45*	-Pier, SE. end.	33° 51.2′ S 151° 11.8′ E	**F.G.**		2		
6292 *K 2695.4*	--Coal loader, NW. extremity.	33° 51.1′ S 151° 11.7′ E	**Iso.R.** period 2s	26 **8**	6		
6293 *K 2695.5*	-Simmons Point.	33° 51.3′ S 151° 11.6′ E	**F.R.**			PORT (A) R, beacon, topmark.	
6294 *K 2696*	-Peacock Point.	33° 51.6′ S 151° 11.8′ E	**Oc.G.** period 2s lt. 1.5s, ec. 0.5s	13 **4**	2	Pile structure.	
6295 *K 2696.4*	-White Bay Container Terminal.	33° 51.7′ S 151° 11.5′ E	**Q.W.**				
6295.5 *K 2696.55*	-Glebe Island.	33° 51.8′ S 151° 11.2′ E	**F.R.**	10 **3**			

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6295.6 *K 2696.71*	--Old bridge.	33° 52.1′ S 151° 11.2′ E	**F.W.**				Shown from each end of pontoon. Fl.G. 3s marks E. side of pontoon.
6295.63 *K 2696.73*	--New bridge, W. side.	33° 52.1′ S 151° 11.1′ E	**F.G.**				On N. and S. side.
6295.65 *K 2696.74*	--E. side.	33° 52.2′ S 151° 11.2′ E	**F.R.**				On N. and S. side.
6298 *K 2696.84*	-Balls, head.	33° 50.9′ S 151° 11.6′ E	**Fl.G.** period 3s fl. 1s, ec. 2s		6	Beacon.	
6299 *K 2696.82*	-Gore Cove.	33° 50.4′ S 151° 11.2′ E	**Fl.G.** period 3s fl. 1s, ec. 2s		6	Beacon.	
6300 *K 2697*	-Mann's Point.	33° 50.6′ S 151° 11.3′ E	**F.G.**			Post, dolphin.	
6304 *K 2697.2*	-Longnose Point.	33° 50.8′ S 151° 11.2′ E	**F.R.**		4		
6305 *K 2696.9*	-Snails Bay.	33° 51.0′ S 151° 11.4′ E	**Iso.R.** period 2s			Dolphin.	Iso.R. 2s marks dolphin 90 meters SE. Q.Y. lights mark dolphins close SW. and NW.
6306 *K 2698.2*	-Birkenhead Point Marina.	33° 51.3′ S 151° 10.0′ E	**Fl.Y.** period 4s	16 **5**			Marina marked by Fl.G. 4s and Fl.Y. 4s.
6308 *K 2697.9*	-Spectacle Island, off NE. side.	33° 50.8′ S 151° 09.9′ E	**Fl.Y.** period 3s			Yellow beacon.	
6309 *K 2697.92*	--Off NW. side.	33° 50.8′ S 151° 09.8′ E	**Fl.Y.** period 3s			Yellow beacon.	
6310 *K 2698*	--Off S. side.	33° 51.0′ S 151° 09.8′ E	**F.G.**			Green pile.	
6311 *K 2697.5*	-Fern Bay Marina.	33° 50.6′ S 151° 09.7′ E	**F.W.**				
6312 *K 2698.35*	-Wrights Point.	33° 50.5′ S 151° 09.3′ E	**Fl.R.** period 3s fl. 1s, ec. 2s			PORT (A) R, beacon, topmark.	
6313 *K 2698.36*	-Tarban Point.	33° 50.3′ S 151° 09.0′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, beacon, topmark.	
6316 *K 2632*	**-Macquarie.**	33° 51.2′ S 151° 17.1′ E	**Fl.(2)W.** period 10s fl. 0.1s, ec. 1.9s fl. 0.1s, ec. 7.9s	344 **105**	**25**	White masonry tower, lantern; 85.	Visible 204°-359°.
	BOTANY BAY:						
6324 *K 2623*	-Henry Head, Endeavour.	33° 59.9′ S 151° 14.3′ E	**Oc.W.R.** period 3s lt. 2s, ec. 1s	89 **27**	7	White round tower; 13.	R. 285°-320°, W.-103°, R.-140°.
			F.Bu.				Visible 260°-114°.
6325 *K 2624.4*	-Inscription Point.	34° 00.3′ S 151° 13.7′ E	**Iso.W.R.** period 2s	103 **31**	W. 7 R. 5	Mast; 26.	W. 127°30′-312°, R.-344°.
6327 *K 2624*	-312°.	33° 58.0′ S 151° 11.1′ E	**Dir.W.R.G.**	56 **17**	W. 13 R. 5 G. 5		F.G. 288°30′-310°06′, Al.W.G.-311°18′, F.W.-312°36′, Al.W.R.-313°48′, F.R.-326°42′.
6344 *K 2625*	-Range, front, about 372 meters 200° from La Perouse Tower.	33° 59.5′ S 151° 13.8′ E	**F.G.**	62 **19**	8		Visible 043°-103°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6348 *K 2625.1*	--Rear, about 914 meters 073°10′ from front.	33° 59.4′ S 151° 14.4′ E	**F.G.**				Visible 043°-103°.
6349 *K 2625.5*	-Range, front.	33° 59.9′ S 151° 12.4′ E	**Fl.Y.** period 3s fl. 1s, ec. 2s			White beacon, red rectangular daymark.	Iso.Y. 2s lights form ranges 271°22′ and 273°53′ close NW.
6349.1 *K 2625.51*	--Rear, 224 meters 252°48′ from front.	34° 00.0′ S 151° 12.2′ E	**Fl.Y.** period 3s fl. 1s, ec. 2s			White beacon, red triangular daymark point down.	
6352 *K 2626*	-Refinery jetty, head.	33° 59.9′ S 151° 12.6′ E	**F.R.**	37 **11**	3		Private light.
			Iso.R. period 2s				
6356 *K 2624.5*	-Refinery jetty approach.	34° 00.0′ S 151° 13.0′ E	**Q.W.**	26 **8**	7	N. CARDINAL BY, beacon, topmark.	
6358 *K 2626.4*	-Channel beacon No 1.	33° 59.2′ S 151° 12.8′ E	**Fl.G.** period 3s			STARBOARD (A) G, pile, topmark.	
6358.2 *K 2626.42*	--No 2.	33° 59.3′ S 151° 12.7′ E	**Fl.R.** period 3s			PORT (A) R, pile, topmark.	Channel marked by lighted buoys and beacons.
6358.8 *K 2626.48*	-Jetty, head.	33° 58.9′ S 151° 12.5′ E	**Q.Bu.**	75 **23**	4		In line 312° with beacon Q.Bu. 16m 4M close SE.
			Dir.W.R.G.	56 **17**			F.G. 173°48.6′-176°38.4′, Al.W.G.-179°28.2′, F.W.-182°23.4′, Al.W.R.-185°13.2′, F.R.-188°09.6′.
6376 *K 2626.7*	--RoRo berth 3.	33° 58.0′ S 151° 13.1′ E	**Iso.R.** period 3s	23 **7**	3		
6380 *K 2626.76*	-Brotherson Dock, S. quay, W. corner.	33° 58.3′ S 151° 12.7′ E	**Fl.G.** period 3s fl. 1s, ec. 2s	23 **7**	4		
6381 *K 2626.8*	-Brotherson Dock, N. Range, front.	33° 58.1′ S 151° 13.2′ E	**F.R.**	59 **18**			
6381.1 *K 2626.81*	--Rear, 46 meters 073°21′ from front.	33° 58.0′ S 151° 13.3′ E	**F.R.**	75 **23**			
6382 *K 2626.9*	--S. Range, front.	33° 58.1′ S 151° 13.2′ E	**F.R.**	59 **18**			
6382.1 *K 2626.91*	---Rear, 46 meters 068°49′ from front.	33° 58.1′ S 151° 13.3′ E	**F.R.**	75 **23**			
6383 *K 2626.95*	--N. jetty, head.	33° 58.1′ S 151° 13.2′ E	**Iso.R.** period 2s	23 **7**	2		3 Fl.(2)W. 5s mark dolphins.
6384 *K 2626.93*	--S. jetty, head.	33° 58.2′ S 151° 13.1′ E	**F.R.**	33 **10**			
6386 *K 2628*	-Sydney Airport, runway, W. side.	33° 58.4′ S 151° 11.5′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	E. side marked by 3 E. Cardinal beacons Q.(3)W. 10s.
6388 *K 2630*	-S. breakwater, head.	33° 57.1′ S 151° 10.1′ E	**Fl.R.** period 3s		3	Post.	
6392 *K 2631.8*	-Georges River, Captain Cook Bridge.	34° 00.5′ S 151° 07.7′ E	**F.R.**	54 **16**		Top of center span.	River marked by various IALA aids to navigation.
6393 *K 2630.6*	--Entrance.	33° 59.5′ S 151° 09.4′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	W. shore of Botany Bay marked by 7 E. and 1 S. cardinal lighted beacons.
6397 *K 2631.996*	Woolaware Bay Range, front.	34° 01.2′ S 151° 07.6′ E	**F.R.**	26 **8**	1		Pelican Point marked by W. cardinal beacon Q.(9) 15s.
6397.1 *K 2631.997*	-Rear, 226°05′ from front.	34° 01.2′ S 151° 07.6′ E	**F.R.**	39 **12**	1		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6400 *K 2629*	**-Kingsford Smith Airport,** AVIATION LIGHT.	33° 56.9′ S 151° 10.1′ E	**Al.Fl.W.G.** period 8s	75 **23**	W. **28** G. **25**	Tower.	On request.
6401 *K 2626.3*	-Kurnell Beach.	34° 00.4′ S 151° 12.5′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
6402 *K 2626.35*	--W. end.	34° 00.3′ S 151° 11.5′ E	**Fl.Y.** period 2s			SPECIAL Y, beacon, "X" topmark.	
6404 *K 2622*	Cape Baily.	34° 02.1′ S 151° 13.3′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	180 **55**	13	White square concrete tower, lantern; 30.	
6408 *K 2619*	Port Hacking, Glaisher Point.	34° 04.2′ S 151° 09.4′ E	**Oc.W.R.** period 3s lt. 2s, ec. 1s	33 **10**	W. 12 R. 9	White mast; 16.	R. 202°-245°, W.-280°, R.-314°, W.-004°.
6409 *K 2619.3*	-Entrance channel.	34° 04.4′ S 151° 09.2′ E	**Fl.G.** period 3s fl. 1s, ec. 2s			STARBOARD (A) G, beacon, topmark.	Channel is marked by lighted and unlighted beacons.
6412 *K 2619.5*	-Burraneer Point.	34° 04.4′ S 151° 08.4′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, beacon, topmark.	
	WOLLONGONG HARBOR:						
6416 *K 2614*	**-Wollongong Head.**	34° 25.3′ S 150° 54.6′ E	**Oc.W.R.** period 6s lt. 4.5s, ec. 1.5s	131 **40**	W. **18** R. **15**	White round concrete tower, lantern; 82.	R. 188°-213°, W.-312°, R.-358°, W.-008°.
6420 *K 2616*	-E. breakwater, head.	34° 25.1′ S 150° 54.4′ E	**Fl.R.** period 3s fl. 1s, ec. 2s	26 **8**	3	White column; 16.	
6424 *K 2617*	-W. breakwater, elbow.	34° 25.2′ S 150° 54.3′ E	**Fl.G.** period 3s fl. 1s, ec. 2s		3	Post; 10.	
6428 *K 2618*	-Entrance Range, front.	34° 25.3′ S 150° 54.3′ E	**F.Bu.**			Blue triangular daymark point up.	
6432 *K 2618.1*	--Rear, 50 meters 195°30′ from front.	34° 25.3′ S 150° 54.3′ E	**F.Bu.**			Blue triangular daymark point down.	
	PORT KEMBLA:						
6437 *K 2602*	-Port Kembla, Range, front.	34° 28.5′ S 150° 54.3′ E	**Dir.W.R.G.**	52 **16**	12	White round metal pylon, platform, orange triangular daymark point up.	F.G. 210°24′-211°36′, Al.G.W.-212°18′ (W. phase increasing with bearing), F.W.-213°30′, Al.W.R.-214°12′ (R. phase increasing with bearing), F.R.-215°24′. Shown 24 hours.
6437.1 *K 2602.1*	--Rear, 481 meters 212°54′ from front.	34° 28.7′ S 150° 54.0′ E	**F.Bu.**	109 **33**	5	Orange triangular daymark point down.	
6440 *K 2601*	-N. breakwater, head.	34° 27.9′ S 150° 54.6′ E	**Q.G.**	39 **12**	6	White round metal tower with platform.	
6444 *K 2600*	-E. breakwater, head.	34° 27.9′ S 150° 54.8′ E	**Q.R.** **F.R.**	56 **17**	6	White round metal tower, platform.	F.R. 14m lights 200 and 400 meters S. mark remainder of breakwater.
6452 *K 2604*	-Jetty No 4, outer head.	34° 28.2′ S 150° 54.7′ E	**F.G.**	20 **6**	1	Square framework mast, red daymark.	F.Bu. at light tower.
6460 *K 2608.1*	-No 6 Jetty, head.	34° 28.1′ S 150° 54.3′ E	**F.Bu.** (neon)			Gray round metal pylon.	F.Bu. shown at root of jetty.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6464 *K 2610*	-Inner harbor Range, front.	34° 27.2′ S 150° 52.8′ E	**F.G.**	112 **34**	3	Metal framework tower, orange triangular daymark point up and rectangular daymark; 95.	
6464.1 *K 2610.1*	--Rear, 600 meters 300°17′ from front.	34° 27.2′ S 150° 52.8′ E	**F.G.**	151 **46**	3	Metal framework tower, orange triangular daymark point down; 75.	
6468 *K 2612*	-N. mole, head.	34° 27.8′ S 150° 54.0′ E	**2 F.G.** (vert.)			Metal pole.	
6472 *K 2612.2*	--Root.	34° 27.7′ S 150° 53.9′ E	**5 F.G.** (vert.)			Metal pole.	
6476 *K 2611*	-S. mole, head.	34° 27.9′ S 150° 54.0′ E	**2 F.R.** (vert.)			Black metal pole.	
6480 *K 2611.2*	--Root.	34° 27.8′ S 150° 53.9′ E	**5 F.R.** (vert.)			Metal pole.	
6495 *K 2599.72*	Shell Harbor, E. breakwater, head.	34° 34.7′ S 150° 52.6′ E	**Fl.G.** period 3s				Fl.R. 3s marks W. breakwater.
6495.5 *K 2599.8*	-Range, front.	34° 34.7′ S 150° 52.2′ E	**F.Bu.**				
6495.6 *K 2599.81*	--Rear, 248° from front.	34° 34.7′ S 150° 52.2′ E	**F.Bu.**				
6496 *K 2598*	**Kiama Harbor.**	34° 40.3′ S 150° 51.7′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	119 **36**	**16**	White round brick tower; 51.	2 Iso.R. 2s 6M form entrance range 212°.
6498 *K 2598.5*	-S., head.	34° 40.3′ S 150° 52.0′ E	**Fl.R.** period 3s	52 **16**	6		
6500 *K 2594*	Crookhaven River, entrance.	34° 53.9′ S 150° 46.2′ E	**Q.W.**	72 **22**	8	White round tower; 23.	F.Bu. range lights, moved as channel alters, lead over bar.
	JERVIS BAY:						
6504 *K 2588*	**-Perpendicular Point.**	35° 05.6′ S 150° 48.3′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	311 **95**	**18**	White fiberglass hut, white metal framework tower; 62.	Visible 231°-028° and in Jervis Bay. F.R. lights on radio masts 5M SW.
6505 *K 2588.5*	-No 6.	35° 07.6′ S 150° 45.1′ E	**Fl.W.R.** period 5s			Beacon.	W. 145°-194°, R.-145°.
6506 *K 2590*	-Captain Point.	35° 07.3′ S 150° 43.0′ E	**Iso.R.** period 2s	16 **5**	3		Fl.Y. (occasional) range lights shown from Currumbene Creek.
6508 *K 2589*	-Beacon No 2.	35° 08.0′ S 150° 43.0′ E	**Fl.W.R.** period 5s			White post, diamond daymark.	W. 150°-240°, R.-270°.
6512 *K 2591*	-- No 1.	35° 07.0′ S 150° 43.0′ E	**Oc.W.R.** period 5s lt. 3s, ec. 2s			White framework tower.	R. 180°-200°, W.-310°.
6514	-Dent Rock.	33° 27.2′ S 150° 40.5′ E	**Fl.(2)W.** period 7s			ISOLATED DANGER BRB, beacon, topmark.	
6518 *K 2593.3*	-Huskisson Reef.	35° 02.1′ S 150° 40.7′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
6519 *K 2592.6*	-Currumbene Creek Range, front.	35° 02.3′ S 150° 40.2′ E	**F.Bu.**			Red triangular daymark point up.	
6519.1 *K 2592.61*	--Rear, 64 meters 243°06′ from front.	35° 02.3′ S 150° 40.2′ E	**F.Bu.**			Red triangular daymark point down.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6520 *K 2584*	Warden, head.	35° 21.9′ S 150° 29.5′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	112 **34**	14	White metal tower, lantern; 39.	
6524 *K 2587*	-Ulladulla, N. breakwater.	35° 21.3′ S 150° 28.7′ E	**Fl.G.** period 3s fl. 1s, ec. 2s	30 **9**	3	White post; 10.	
6528 *K 2586*	--S. Breakwater.	35° 21.4′ S 150° 28.7′ E	**Fl.R.** period 3s fl. 1s, ec. 2s	30 **9**	3	White post; 10.	
6532 *K 2585*	--Range, front.	35° 21.4′ S 150° 28.5′ E	**F.Bu.**	13 **4**	3	Blue triangular daymark point up; 13.	
6536 *K 2585.1*	---Rear, 30 meters 269°06′ from front.	35° 21.4′ S 150° 28.5′ E	**F.Bu.**	23 **7**	3	Blue triangular daymark point down; 23.	
6540 *K 2577.8*	Brush Island.	35° 31.7′ S 150° 25.0′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	158 **48**	9	White hut; 11.	
6544 *K 2582*	Batemans Bay Range, front.	35° 43.1′ S 150° 11.8′ E	**F.Bu.**	23 **7**	4	Blue triangular daymark point up; 23.	
6548 *K 2582.1*	-Rear, 275 meters 279°42′ from front.	35° 43.1′ S 150° 11.8′ E	**F.Bu.**	33 **10**	4	Blue triangular daymark point down; 33.	
6550 *K 2581*	-Square, head.	35° 42.7′ S 150° 12.8′ E	**Iso.W.** period 2s	79 **24**	10	Pole.	Visible 300°18′-304°48′ and 323°42′-327°12′.
6552 *K 2582.4*	-S. breakwater, head.	35° 43.2′ S 150° 11.9′ E	**Fl.R.** period 3s	14 **4**		Orange tower.	Fl.R. 5s and Fl.G. 5s mark W. and E. extremities of breakwater wall.
6556 *K 2577.6*	Burrewarra Point.	35° 50.0′ S 150° 14.0′ E	**Fl.(4)W.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	203 **62**	9	White tower; 33.	
	MORUYA RIVER:						
6560 *K 2578.3*	-Entrance Range, front.	35° 54.3′ S 150° 09.0′ E	**F.Bu.**			Orange triangular daymark point up.	
6564 *K 2578.31*	--Rear, 585 meters 268°54′ from front.	35° 54.3′ S 150° 08.6′ E	**F.Bu.**			Orange triangular daymark point down.	
6565 *K 2578.2*	-Breakwater.	35° 54.3′ S 150° 09.4′ E	**Fl.G.** period 3s				
6567 *K 2577.2*	Wagonga River, breakwater.	36° 12.6′ S 150° 08.1′ E	**Fl.G.** period 3s	20 **6**	4		
6568 *K 2576*	**Montague Island.**	36° 15.1′ S 150° 13.6′ E	**Fl.W.** period 15s fl. 0.2s, ec. 14.8s	262 **80**	**20**	Gray round stone tower; 69.	At Wagonga and Moruya Rivers Fl.R. and Fl.G. range lights, moved as channel alters, lead over bars shown only when vessels are expected.
6572 *K 2574*	Bermagui Bay.	36° 25.3′ S 150° 04.5′ E	**Iso.W.** period 2s		10	Mast.	
6576 *K 2572*	Twofold Bay, Lookout Point, S. extremity.	37° 04.5′ S 149° 54.8′ E	**Oc.W.R.** period 3s lt. 2s, ec. 1s	128 **39**	W. 12 R. 9	White metal framework tower; 46.	R. 198°-246°30′, W.-288°, R.-337°30′, W.-091°. **Aero Radiobeacon** 9.7 miles N.
6580 *K 2572.6*	Snug Cove, breakwater, head.	37° 04.5′ S 149° 54.4′ E	**Oc.W.** period 3s	31 **9**	5	Mast.	Leading light and beacon 328°, 2 F.Bu., 1000 meters NW.
6584 *K 2573.2*	-Quarantine Bay, breakwater, head.	37° 04.7′ S 149° 53.0′ E	**Oc.R.G.** period 3s lt. 2s, ec. 1s	19 **6**	5		R. 220°-300°, G.-220°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
6586 *K 2573.58*	East Boyd Bay Wharf Range, front.	37° 06.4′ S 149° 55.8′ E	**F.Bu.**		3	Beacon, triangular daymark point up.	
6586.1 *K 2573.59*	-Rear, 112° from front.	37° 06.4′ S 149° 55.8′ E	**F.Bu.**		3	Beacon, triangular daymark point down.	
6588 *K 2570*	**Green Cape.**	37° 15.7′ S 150° 03.0′ E	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	128 **39**	**17**	White fiberglass hut, white metal framework tower; 49.	

Section 7

Tasmania and Bass Strait

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
6592 *K 2558*	**Gabo Island.**	37° 34.0′ S 149° 55.0′ E	**Fl.(3)W.** period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 13.1s	180 **55**	**16**	Red granite tower, white lantern; 154.	
	RACON		**G(– – •)**		**20**		(3 & 10cm).
6595 *K 2560.2*	Bastion Point.	37° 34.2′ S 149° 45.8′ E	**F.Bu.**	30 **9**	13	Beacon.	
6596 *K 2561*	Mallacoota Inlet.	37° 33.6′ S 149° 45.8′ E	**Iso.Bu.** (neon) period 6s	46 **14**	6	Metal tower.	
6598 *K 2557.5*	**Little Rame Head.**	37° 41.1′ S 149° 40.4′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	187 **57**	**19**	White fiberglass hut; 7.	
6600 *K 2557*	Wingan Point.	37° 44.9′ S 149° 31.0′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	6	Pole; 16.	
6604 *K 2556*	Point Hicks.	37° 48.1′ S 149° 16.5′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	184 **56**	10	White round tower; 72.	
6608 *K 2555*	Cape Conran.	37° 48.8′ S 148° 43.8′ E	**Fl.W.** period 8s fl. 1s, ec. 7s	48 **15**	10	Metal tower; 16.	
6612 *K 2554*	Snowy River, E. side of entrance.	37° 48.0′ S 148° 32.1′ E	**Fl.W.** period 6s fl. 1s, ec. 5s	100 **30**	4	Metal framework tower.	
6617 *K 2542.3*	South West Island.	39° 31.2′ S 147° 07.5′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	328 **100**	10	White fiberglass hut; 7.	
6618 *K 2542.4*	**North East Island.**	39° 26.7′ S 147° 22.6′ E	**Fl.(4)W.** period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 10s	351 **107**	**16**	White fiberglass hut; 13.	
6620 *K 2542.5*	**Craggy Island.**	39° 41.2′ S 147° 40.7′ E	**Fl.W.** period 10s	374 **114**	**18**	White fiberglass hut; 7.	
6625 *K 2543.85*	Flounder A RACON.	38° 18.8′ S 148° 26.3′ E	**Q(– – • –)**		**15**	Platform.	Azimuth coverage 250°-010°. (3 & 10cm).
6627 *K 2543.24*	Kingfish B RACON.	38° 36.0′ S 148° 11.3′ E	**B(– • • •)**		**16**	Platform on piles.	Azimuth coverage 305°-065°. (3 & 10cm).
			TASMANIA				
6630 *K 3600.5*	Outer Sister Island.	39° 39.0′ S 148° 00.0′ E	**Fl.(2)W.** period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	567 **173**	10	White fiberglass hut; 13.	
6632 *K 3600.6*	Flinders Island, Holloway Point.	39° 43.6′ S 147° 57.7′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	31 **9**	8	White fiberglass hut; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
6636 *K 3600.8*	**Cat Island, summit.**	39° 57.0′ S 148° 21.2′ E	**Fl.W.** period 2.5s fl. 0.1s, ec. 2.4s	102 **31**	**16**	White fiberglass hut; 13.	
6640 *K 3600.4*	Kangaroo Island.	40° 11.2′ S 147° 54.9′ E	**Fl.W.** period 4s fl. 1s, ec. 3s		6		
6644 *K 3600*	**Goose Island.**	40° 18.7′ S 147° 48.1′ E	**Fl.(2)W.** period 10s fl. 0.1s, ec. 1.2s fl. 0.1s, ec. 8.6s	118 **36**	**18**	White masonry tower, white lantern; 98.	Visible 319°-161°, faintly visible elsewhere. Partially obscured beyond islands.
6644.5 *K 3601*	Pigs Head.	40° 16.4′ S 148° 07.3′ E	**Fl.W.** period 1.5s fl. 0.5s, ec. 1s		6		
6645.2 *K 3601.22*	-Great Dog Island, 257°55′.	40° 14.8′ S 148° 15.8′ E	**Dir.W.R.G.**	26 **8**	6	Orange triangular daymark point up.	F.G. 247°54′-252°54′, F.W.-262°54′, F.R.-267°54′.
6645.4 *K 3601.24*	-Adelaide Bay Range, front.	40° 13.0′ S 148° 15.0′ E	**F.G.** (neon)	109 **33**	3	Orange triangular daymark point up.	
6645.5 *K 3601.25*	--Rear, 300 meters 323°30′ from front.	40° 12.4′ S 148° 14.6′ E	**F.G.** (neon)	157 **48**	3	Metal tower, orange triangular daymark point down; 39.	
			Dir.W.R.G.	157 **48**	10		F.G. 282°54′-285°12′, F.W.-285°42′, F.R.-287°54′.
6646 *K 3601.3*	--Dick Davey, 014°.	40° 13.8′ S 148° 17.0′ E	**Dir.Iso.W.R.G.** period 5s		W. 6 R. 4 G. 4	Beacon, triangular daymark point up.	G. 215°-008°, W.-017°, R.-087°.
6647 *K 3601.4*	Vansittart Island.	40° 16.2′ S 148° 17.3′ E	**Dir.W.R.G.**		W. 7 R. 5 G. 5		F.G. 031°-062°, F.W.-071°, F.R.-209°.
6648 *K 3601.6*	Cape Barren Island.	40° 26.2′ S 148° 28.7′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	82 **25**	10	White fiberglass hut; 13.	Visible 175°-049°.
6649 *K 3601.5*	-Apple Orchard Point.	40° 19.0′ S 148° 12.5′ E	**Dir.W.R.G.**	66 **20**	4	Beacon, triangular daymark point up.	F.G. 060°-139°, F.W.-148°, F.R.-255°.
6652 *K 3602*	**Swan Island.**	40° 43.6′ S 148° 07.5′ E	**Fl.W.** period 7.5s fl. 0.1s, ec. 7.4s	98 **30**	**19**	White masonry tower, lantern; 89.	Visible 070°-033°.
6656 *K 3606*	**Eddystone Point.**	40° 59.6′ S 148° 20.9′ E	**Fl.(2)W.** period 15s fl. 0.5s, ec. 3.3s fl. 0.5s, ec. 10.7s	138 **42**	**20**	Gray round granite tower, white lantern; 115.	
6660 *K 3607*	St. Helens point.	41° 16.9′ S 148° 21.0′ E	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	189 **58**	8	Metal tower; 10.	
6661 *K 3607.5*	-Blanche Point.	41° 16.6′ S 148° 19.9′ E	**Fl.R.** period 5s	11 **3**	4		
6664 *K 3608*	**Cape Tourville.**	42° 07.3′ S 148° 21.0′ E	**Fl.W.** period 12s fl. 0.1s, ec. 11.9s	413 **126**	**18**	White concrete tower, lantern; 36.	
6666 *K 3608.2*	Great Oyster Bay, Coles Bay breakwater.	42° 07.8′ S 148° 17.9′ E	**Fl.Bu.** period 5s	30 **9**	3	Two vertical neon tubes.	
6667 *K 3608.5*	-Weatherhead Point.	42° 13.9′ S 148° 15.1′ E	**Fl.W.** period 5s	89 **27**	8		Visible 357°-186°.
6668 *K 3609.4*	Chicken Point.	42° 20.4′ S 148° 17.9′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	144 **44**	8	White fiberglass hut; 13.	Visible 291°30′-322°30′ and 333°30′-109°30′.
6672 *K 3609.8*	Point Home Lookout.	42° 33.2′ S 147° 57.1′ E	**Oc.W.** period 6s lt. 4.5s, ec. 1.5s	187 **57**	12	White concrete tower, lantern; 46.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
6673 *K 3609.9*	-Louisville Point.	42° 32.8′ S 147° 54.9′ E	**Fl.W.R.** period 4s		6		R. 183°-188° (over Horseshoe Shoal), W. elsewhere.
6676 *K 3609.6*	North Islet.	42° 33.7′ S 148° 04.3′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	75 **23**	8	White fiberglass hut; 13.	Visible 027°30′-302°.
6678 *K 3609.7*	Darlington.	42° 34.8′ S 148° 03.6′ E	**Fl.G.** period 5s fl. 1s, ec. 4s		3		
6680 *K 3610.2*	Spring Bay, jetty, head.	42° 32.0′ S 147° 56.0′ E	**F.Bu.**		2		
6682 *K 3610.1*	-Horseshoe Shoal.	42° 31.7′ S 147° 55.0′ E	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	13 **4**	3	Green beacon.	
6684 *K 3611*	Lachlan Island, summit, W. of Maria Island.	42° 38.6′ S 147° 58.7′ E	**Fl.W.** period 4.5s	69 **21**	10	Metal framework tower; 23.	
	BLACKMAN BAY:						
6688 *K 3612*	-E. side of The Narrows.	42° 50.6′ S 147° 53.6′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	90 **27**	8	Metal framework tower; 10.	
6690 *K 3612.5*	-No 3.	42° 50.9′ S 147° 53.2′ E	**Fl.(2)R.** period 5s	16 **5**		Beacon.	
6716 *K 3614*	**Tasman Island.**	43° 14.5′ S 148° 00.2′ E	**Fl.W.** period 7.5s fl. 0.1s, ec. 7.4s	906 **276**	**18**	White round metal tower, lantern; 95.	Frequently obscured by clouds or fog.
6718 *K 3615*	Port Arthur.	43° 08.9′ S 147° 51.1′ E	**F.Bu.**				
6719 *K 3621.2*	Smooth Island.	42° 56.6′ S 147° 47.1′ E	**Fl.(3)W.** period 6s	13 **4**	6		
6720 *K 3621*	Isle of Caves.	42° 54.4′ S 147° 39.0′ E	**L.Fl.R.** period 7s fl. 2s, ec. 5s	39 **12**	3	Red tower; 7.	
6722 *K 3620.5*	Sloping Island.	42° 56.6′ S 147° 38.5′ E	**Q.(2)W.** period 10s	30 **9**	10	Framework tower; 13.	
6723 *K 3621.5*	Dart Island.	43° 01.6′ S 147° 50.8′ E	**Fl.W.R.** period 5s fl. 0.5s, ec. 4.5s	23 **7**	5		W. 315°-334°, R.-062°, W.-247°.
	RIVER DERWENT HOBART:						
6724 *K 3620*	-Black Jack Rocks.	43° 02.2′ S 147° 29.1′ E	**Fl.W.** period 3s	20 **6**	3	White obelisk.	
6728 *K 3622*	-Iron Pot Island, E. side of river entrance.	43° 03.6′ S 147° 24.9′ E	**Fl.(3)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	65 **20**	10	White square tower, red band; 40.	
6730 *K 3623*	-Piersons Point.	43° 03.1′ S 147° 20.6′ E	**Oc.W.R.** period 8s	285 **87**	14	White framework tower; 16.	W. 175°-031°, R.-051°.
6732 *K 3624*	-Opossum Bay.	42° 58.6′ S 147° 23.5′ E	**Fl.W.** period 3s	44 **13**	8	White framework tower.	
6736 *K 3627*	-John Garrow Shoal.	42° 54.9′ S 147° 22.0′ E	**Fl.R.** period 3s	27 **8**	10	Red metal and concrete tower.	**Radar reflector.**
6740 *K 3627.6*	-Sandy Bay Point.	42° 54.5′ S 147° 21.2′ E	**F.Bu.**	24 **7**	7	Column.	Visible 084°-264°. F.Y. by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
	-Derwent Sailing Squadron Marina:						
6741 *K 3627.7*	--Breakwater, head.	42° 54.1′ S 147° 20.1′ E	**F.G.**				
6741.1 *K 3627.72*	---Elbow.	42° 54.0′ S 147° 20.1′ E	**F.R.**				
	-Royal Yacht Club Marina:						
6742 *K 3627.8*	--Range, front.	42° 53.9′ S 147° 20.1′ E	**F.Bu.**				Outer ends of marina marked by F.G. and F.R. lights.
6742.1 *K 3627.81*	---Rear, 120 meters 290° from front.	42° 53.9′ S 147° 20.1′ E	**F.Bu.**				
	-Sullivans Cove:						
6744 *K 3628*	--Princes Pier, off E. head.	42° 53.2′ S 147° 20.4′ E	**F.R.**	7 **2**		Pile.	
6744.4 *K 3629.3*	--Elizabeth St. Pier, head.	42° 53.1′ S 147° 20.1′ E	**F.G.**				F. and Fl. on weather beacon 700 meters WNW.
6744.5 *K 3629.41*	---N. end.	42° 53.0′ S 147° 20.1′ E	**F.R.**				
6744.7 *K 3629.43*	--Marina, S. end.	42° 53.0′ S 147° 20.1′ E	**F.G.**				
6744.8 *K 3629.4*	---N. end.	42° 53.0′ S 147° 20.2′ E	**F.R.**				
6744.9 *K 3629.35*	---Kings Pier Marina.	42° 53.1′ S 147° 20.1′ E	**F.G.**				
6745 *K 3630.3*	---Macquarie Wharf.	42° 52.9′ S 147° 20.5′ E	**2 F.R.** (vert.)	33 **10**		Metal pole; 23.	
6746 *K 3630.36*	-Macquarie Point.	42° 52.6′ S 147° 20.5′ E	**2 F.R.** (vert.)	39 **12**			Neon triangle.
6748 *K 3630.4*	-Rosny Point.	42° 52.5′ S 147° 21.2′ E	**Fl.W.** period 5s	26 **8**	6		
6752 *K 3632.3*	-N. limit of main bridge navigational channel, front.	42° 51.6′ S 147° 21.1′ E	**Dir.Y.G.R.** **F.Bu.**			Metal pole, orange diamond daymark.	F.Y. 130°-134°36′, F.G.-135°24′, F.R.-140°.
6756 *K 3632.31*	--Rear, 120 meters 135° from front.	42° 51.6′ S 147° 21.2′ E	**F.Bu.**			Metal pole, orange diamond daymark.	
6760 *K 3632.4*	-Beltana Point Range, front.	42° 51.1′ S 147° 20.6′ E	**F.G.**	10 **3**		Metal pole, orange diamond daymark.	
6764 *K 3632.41*	--Rear, about 460 meters 353°18′ from front.	42° 50.9′ S 147° 20.6′ E	**F.G.**	24 **7**	7	Metal pole, orange diamond daymark.	Visible 347°-357°. F.Y. by day.
6768 *K 3632.5*	-Beltana Point.	42° 51.1′ S 147° 20.5′ E	**Fl.G.** period 4s	10 **3**	3	Green wooden beacon.	
6772 *K 3632.6*	-Limekiln Point.	42° 50.8′ S 147° 20.2′ E	**Fl.G.** period 2s	10 **3**	3	Green metal beacon.	
6780 *K 3634*	-Cemetery Point, 340 meters NE.	42° 50.5′ S 147° 19.8′ E	**F.R.**	8 **2**	5	Red column, black pile beacon.	
6784 *K 3635*	-Stanhope Point.	42° 50.0′ S 147° 19.5′ E	**Iso.R.** (neon) period 4s	8 **2**	5	Red column, black pile beacon.	F.R. marks ends of wharf close NW.
6788 *K 3636.2*	-Store Point.	42° 49.5′ S 147° 19.1′ E	**F.G.**	20 **6**	3	Aluminum post.	
6790 *K 3636.1*	-Prince of Wales Bay, Jetty.	42° 49.5′ S 147° 18.4′ E	**F.R.**				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
6792 *K 3636.3*	-Bowen Bridge.	42° 49.1′ S 147° 18.4′ E	**F.G.**				On both sides of bridge. F.R. and F.G. mark port and starboard limits of opening on both sides of bridge.
6793 *K 3636.35*	--Range, front.	42° 49.2′ S 147° 18.3′ E	**F.Bu.**			Beacon, orange triangular topmark point up.	
6794 *K 3636.36*	---Rear, 307°54′ from front.	42° 49.2′ S 147° 18.3′ E	**F.Bu.**			Beacon, orange triangular topmark point down.	
6796 *K 3636.6*	Bligh Point.	43° 05.1′ S 147° 19.4′ E	**Fl.W.** period 2s	12 **4**	5	White metal pedestal; 7.	Visible 355°-220°.
6798 *K 3636.42*	Snug Bay.	43° 03.5′ S 147° 16.4′ E	**F.Bu.**				
6804 *K 3637*	Simmond Bay.	43° 07.9′ S 147° 21.2′ E	**Fl.W.** period 3s	18 **5**	4	White tripod.	
6808 *K 3638*	Lennonville Point.	43° 08.1′ S 147° 18.6′ E	**Fl.W.** period 5s	18 **5**	4	Red tripod; 11.	
6812 *K 3640*	North Bruny, Roberts Point.	43° 08.8′ S 147° 16.9′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	22 **7**	8	Red metal framework tower; 10.	
6816 *K 3641*	Kinghorne Point.	43° 10.0′ S 147° 16.6′ E	**Fl.(3)W.** period 14s fl. 0.6s, ec. 1.4s fl. 0.6s, ec. 1.4s fl. 0.6s, ec. 9.4s	35 **11**	11	White framework tower; 20.	
6820 *K 3642*	Green Island.	43° 11.8′ S 147° 17.4′ E	**Fl.W.** period 5s	26 **8**	8	White metal tower; 7.	
6824 *K 3643*	Long Bay.	43° 14.3′ S 147° 15.9′ E	**Fl.W.** period 1.5s	13 **4**	8	Red pile beacon.	
6825 *K 3643.3*	Three Hut Point.	43° 16.3′ S 147° 15.0′ E	**Fl.Bu.** period 5s				
6825.5 *K 3643.4*	Sheepwash.	43° 18.0′ S 147° 15.2′ E	**Fl.(2)W.** period 5s	23 **7**	6	White pedestal, red lantern; 7.	
6826 *K 3643.6*	Alonnah, N. jetty.	43° 18.8′ S 147° 14.5′ E	**Fl.G.** period 5s fl. 1s, ec. 4s	23 **7**	2		
6828 *K 3645*	Huon Island, S. point.	43° 17.6′ S 147° 08.5′ E	**Fl.W.** period 5.5s fl. 0.5s, ec. 5s	59 **18**	9	Silver framework tower, concrete base.	Visible 289°-149°.
	HUON RIVER:						
6832 *K 3645.5*	-Garden Island Point.	43° 16.4′ S 147° 08.6′ E	**Iso.W.R.** period 3s		3		W. 012°12′-064°, R.-090°, W.-120°, R.-134°, W.-260°, R.-308°, W.-344°.
6836 *K 3647*	-Point Beaupre, S. extremity.	43° 14.5′ S 147° 04.7′ E	**Fl.W.R.** period 8s	38 **12**	8	White column; 16.	R. 302°-320°, W.-116°.
6840 *K 3648*	-Brabazon Point (One Tree Point).	43° 11.4′ S 146° 59.1′ E	**Oc.W.** period 8s lt. 6s, ec. 2s	23 **7**	7	White metal column; 16.	
6844 *K 3648.4*	-Whale Point.	43° 10.2′ S 146° 58.5′ E	**Fl.R.** period 4s	18 **5**	1	Metal column; 13.	
6848 *K 3649*	Port Huon Pier.	43° 10.0′ S 146° 59.0′ E	**F.G.**			Hut.	
6852 *K 3650*	Hope Island, E. end, Esperance Bay.	43° 20.2′ S 147° 02.5′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	30 **9**	6	White metal pedestal; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
6856 *K 3644*	Zuidpool Rock.	43° 19.6′ S 147° 10.0′ E	**Fl.(2)W.** period 4.5s fl. 0.4s, ec. 1s fl. 0.4s, ec. 2.7s	23 **7**	9	Yellow framework tower.	
6864 *K 3652*	Hopwood Point.	43° 25.1′ S 147° 05.5′ E	**Fl.W.R.** period 6s fl. 0.6s, ec. 5.4s	98 **30**	8	Metal pedestal; 7.	W. 348°-186°, R. 210°-224°.
6868 *K 3654*	**Cape Bruny.**	43° 29.6′ S 147° 08.8′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	305 **93**	**19**	White fiberglass hut; 13.	Visible 265°-115°.
6872 *K 3654.5*	Actaeon Island.	43° 31.6′ S 146° 59.9′ E	**V.Q.(3)W.** period 5s	69 **21**	7	Metal pedestal; 12.	
6876 *K 3655*	Fisher's Point, S. entrance to Recherche Bay.	43° 34.2′ S 146° 55.2′ E	**Fl.W.** period 2s fl. 0.3s, ec. 1.7s	23 **7**	9	White metal framework tower; 20.	
6878 *K 3655.3*	**Whale Head.**	43° 38.2′ S 146° 52.3′ E	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	187 **57**	**18**	White fiberglass hut; 13.	Visible 223°-079°.
6880 *K 3656*	**Maatsuyker Island.**	43° 39.3′ S 146° 16.4′ E	**Fl.(3)W.** period 30s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 19.8s	459 **140**	**18**	White fiberglass hut; 7.	Obscured by the island 170°-259° and by Needle Rocks 072°-078° when within 5 miles.
	RACON		**M(– –)**		**29**		Azimuth coverage 170°-259°. (3 & 10cm).
6884 *K 3658*	Garden Point.	43° 18.1′ S 145° 55.5′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	95 **29**	9	Square metal framework tower; 13.	Visible 260°-062°.
6888 *K 3659*	Low Rocky Point.	42° 59.5′ S 145° 29.8′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	131 **40**	13	White fiberglass hut; 13.	
6892 *K 3660*	**Cape Sorell.**	42° 11.9′ S 145° 10.2′ E	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	167 **51**	**17**	White masonry tower, lantern; 121.	
	MACQUARIE HARBOR:						
6896 *K 3664*	-Entrance Islet.	42° 12.7′ S 145° 12.9′ E	**Fl.(3)W.R.** period 10s	34 **10**	W. 10 R. 8	White hexagonal wooden tower.	R. 159°-207°, W.-357°30′, R.-000°30′, W.-159°.
6900 *K 3668*	-Bonnet Island.	42° 13.4′ S 145° 13.3′ E	**Dir.W.R.G.** period 3s	45 **14**	W. 10 R. 2 G. 2	White hexagonal wooden tower.	Fl.R. 329°-331°, Fl.W.-141°, Fl.G.-144°, Fl.W.-329°, Fl.W. (intensified) 155°-157°.
6904 *K 3665*	-W. side of entrance.	42° 13.0′ S 145° 14.0′ E	**Fl.G.** period 3.5s	24 **7**	4		
6908 *K 3673*	-Regatta Point.	42° 10.0′ S 145° 20.0′ E	**Fl.G.** period 2s				
6916 *K 3676*	Sandy Cape.	41° 25.2′ S 144° 44.8′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	75 **23**	10	White square concrete tower; 20.	
6920 *K 3677*	**Bluff Hill Point.**	41° 01.1′ S 144° 37.6′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	171 **52**	**16**	White concrete tower, lantern, brown hut; 43.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
	KING ISLAND:						
6924 *K 2190*	-Stokes Point.	40° 09.0′ S 143° 55.5′ E	**Fl.(4)W.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	143 **44**	10	White concrete tower, lantern; 30.	Visible 197°-132°.
6928 *K 2189*	**-Currie.**	39° 55.8′ S 143° 50.6′ E	**Fl.W.** period 6.5s	151 **46**	**22**	Metal tower; 69.	**Aero Radiobeacon** 3.1 miles NNE.
6929 *K 2189.5*	--Entrance Range, front.	39° 55.7′ S 143° 50.6′ E	**F.G.**				
6929.1 *K 2189.51*	---Rear, 185 meters 106°30′ from front.	39° 55.7′ S 143° 50.8′ E	**F.G.**				
6932 *K 2188*	--About 5.8 km. 035° from Currie Harbor AVIATION LIGHT.	39° 52.9′ S 143° 52.8′ E	**Al.W.G.** period 6s	259 **79**	**16**	Metal tower; 30.	Occasional.
6936 *K 2186*	**-Cape Wickham.**	39° 35.3′ S 143° 56.6′ E	**Fl.(2)W.** period 10s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 6.9s	280 **85**	**24**	White masonry tower, lantern; 157.	Visible 031°-294° except within 19 miles on bearing 048° (obscured by New Year Island). Also visible between sandhills when bearing 300°.
6940 *K 2192*	-Councillor Island.	39° 49.8′ S 144° 09.6′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	92 **28**	8	White fiberglass hut; 7.	
6944 *K 2191.8*	-Cumberland.	39° 58.8′ S 144° 07.7′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	253 **77**	10	White fiberglass hut; 13.	
6948 *K 2191*	-Grassy Island, breakwater, head.	40° 04.2′ S 144° 03.7′ E	**Fl.W.** period 6s fl. 1s, ec. 5s	33 **10**	11	White tripod.	
6952 *K 2191.2*	-Little Grassy Bay Range, front.	40° 04.1′ S 144° 02.9′ E	**F.G.**	36 **11**	2	Orange triangular daymark point up.	Occasional.
6956 *K 2191.21*	--Rear, 35 meters 310° from front.	40° 04.1′ S 144° 02.9′ E	**F.G.**	46 **14**	2	Orange triangular daymark point down.	Occasional.
6960 *K 3518*	Hunter Island.	40° 29.2′ S 144° 43.5′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	183 **56**	10	White fiberglass hut; 13.	Visible 000°-208°.
6964 *K 3520*	Cape Rochon.	40° 23.8′ S 144° 57.3′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	132 **40**	10	White fiberglass hut; 13.	Visible 094°-329°.
6968 *K 3524*	Highfield Point.	40° 44.3′ S 145° 17.4′ E	**Fl.(3)W.R.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	161 **49**	W. 10 R. 8	White fiberglass tower; 20.	R. 133°-173°, W.-133°.
	STANLEY:						
6972 *K 3526*	-Breakwater Pier.	40° 46.1′ S 145° 18.4′ E	**F.G.**	30 **9**	4		
6980 *K 3531*	**Rocky Cape.**	40° 51.3′ S 145° 30.5′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	210 **64**	**16**	White concrete tower, lantern; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
	WYNYARD:						
6984 *K 3532*	**-Table Cape.**	40° 56.8′ S 145° 43.7′ E	**Fl.(2)W.R.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	590 **180**	W. **16** R. 13	White masonry tower, lantern; 82.	R. 116°-138°, W.-296°, R.-327°. Often obscured by mist and clouds.
6987 *K 3533*	-N. side of entrance.	40° 59.1′ S 145° 44.5′ E	**Fl.(2)G.** period 5s			Green beacon.	
6988 *K 3534*	River Inglis Range, front.	40° 59.3′ S 145° 44.1′ E	**F.Bu.**		4	Black metal pole, orange triangular daymark point up; 16.	
6992 *K 3534.1*	--Rear, 248° from front.	40° 59.3′ S 145° 44.1′ E	**F.Bu.**			Gray metal pole, orange triangular daymark point down; 26.	
	EMU BAY:						
7010.5 *K 3545.5*	-Port of Burnie Range, front.	41° 03.8′ S 145° 54.9′ E	**F.Bu.**	55 **17**	7	Triangular daymark point up.	
7010.51 *K 3545.51*	--Rear, 360 meters 223°42′ from front.	41° 03.9′ S 145° 54.6′ E	**F.Bu.**	111 **34**	7	Triangular daymark point down.	
7011 *K 3536.4*	--Detached breakwater, SE. end.	41° 03.1′ S 145° 55.3′ E	**F.G.** (neon)	52 **16**	6	Metal tower; 26.	
7011.2 *K 3536.6*	---NW. end.	41° 03.9′ S 145° 55.0′ E	**F.W.** (neon)	52 **16**	6	Metal tower; 26.	5 F.R. mark Acid Line Bridge close SW.
7012 *K 3544*	-Ro Ro wharf, Range, front, 370 meters 223° from Jones Pier, head.	41° 03.2′ S 145° 54.6′ E	**F.Bu.**		3	Metal pole, orange triangular daymark point up; 36.	
7016 *K 3544.1*	--Rear, 90 meters 260° from front.	41° 03.2′ S 145° 54.5′ E	**F.Bu.**		3	Metal pole, orange triangular daymark point down; 46.	
7020 *K 3535*	**Round Hill Point.**	41° 03.9′ S 145° 57.7′ E	**Fl.W.R.** period 5s fl. 1s, ec. 4s	100 **30**	W. **16** R. 13	White square concrete tower, white lantern; 23.	R. 106°-135°, W.-292°.
7024 *K 3548*	Ulverstone, River Leven, W. side of entrance.	41° 09.2′ S 146° 10.0′ E	**Dir.W.R.G.**	23 **7**	9		F.G. 183°30′-186°30′, F.W.-189°30′, F.R.-192°30′.
7032 *K 3550*	**-Mersey Bluff.**	41° 09.5′ S 146° 21.3′ E	**Fl.(4)W.R.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	122 **37**	W. **15** R. 12	White brick tower, red stripes, white lantern; 52.	R. 100°-114°, W.-242°, R.-274°.
	DEVONPORT:						
7036 *K 3556*	-River Mersey, E. side of entrance.	41° 10.0′ S 146° 22.2′ E	**Fl.(2)R.** period 10s fl. 0.3s, ec. 1s fl. 0.3s, ec. 8.4s	22 **7**	8	PORT (A) R, beacon, topmark.	
7040 *K 3557*	--W. side of channel.	41° 10.1′ S 146° 22.0′ E	**Fl.G.** period 1.5s	13 **4**	3	STARBOARD (A) G, beacon, topmark.	
7044 *K 3556.2*	--E. side of channel.	41° 10.1′ S 146° 22.1′ E	**Fl.R.** period 1.5s	13 **4**	3	PORT (A) R, beacon, topmark.	
7048 *K 3557.2*	--Regatta Point, W. side of channel.	41° 10.3′ S 146° 21.9′ E	**F.G.**	16 **5**	3	STARBOARD (A) G, beacon, topmark.	
7052 *K 3556.3*	--E. side of channel.	41° 10.4′ S 146° 22.0′ E	**Fl.R.** period 1.5s		5	PORT (A) R, beacon, topmark.	F.R. beacons mark E. side 235 meters, 515 meters and 625 meters S.
7056 *K 3553*	-Entrance Range, front.	41° 10.6′ S 146° 21.8′ E	**F.R.**	30 **9**	10	White tower; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
7060 *K 3553.1*	--Rear, 145 meters 204°04′ from front.	41° 10.7′ S 146° 21.7′ E	**F.R.**	52 **16**	10	White tower.	E. and W. limits of channel marked by F.Bu. range lights.
7063 *K 3558.4*	-S. Inner Range, front.	41° 11.5′ S 146° 21.9′ E	**F.R.**				Ferry wharves marked by F.G. on W. side, F.R. on E. side.
7063.1 *K 3558.41*	--Rear, 90 meters 176°03′ from front.	41° 11.5′ S 146° 21.9′ E	**F.R.**				
7064 *K 3558*	-N. Inner Range, front.	41° 10.4′ S 146° 21.8′ E	**F.G.**			White tower.	
7068 *K 3558.1*	--Rear, 35 meters 356°03′ from front.	41° 10.4′ S 146° 21.8′ E	**F.G.**			White tower.	
7072 *K 3563*	AVIATION LIGHT.	41° 10.4′ S 146° 25.7′ E	**Al.Fl.W.G.** period 7.5s	77 **23**	W. **28** G. **24**		Occasional.
7076 *K 3571*	Hebe Reef.	41° 03.0′ S 146° 44.3′ E	**Fl.W.** period 4s	23 **7**	6	Red and white checkered tower.	**Radar reflector.**
7080 *K 3571.14*	Yellow Rock.	41° 03.7′ S 146° 46.4′ E	**Fl.G.** period 2s	20 **6**	6	Green beacon, tripod.	
7084 *K 3571.1*	Middle Bank.	41° 03.7′ S 146° 46.7′ E	**Fl.R.** period 2s	23 **7**	6	Red metal framework tower, tripod.	
	RIVER TAMAR:						
7088 *K 3566*	**-Low Head.**	41° 03.3′ S 146° 47.4′ E	**Fl.(3)W.** period 30s fl. 0.1s, ec. 4.8s fl. 0.1s, ec. 4.8s fl. 0.1s, ec. 20.1s	142 **43**	**23**	White round brick tower, red band, white lantern; 62.	Front light 7092.
			F.R.	122 **37**	10		Visible 082°-108°, covering Hebe Reef.
7092 *K 3566.1*	-Dotterell Point Range, front.	41° 03.7′ S 146° 47.5′ E	**F.G.**	17 **5**	3	White round tower; 19.	Visible 339°-050°.
7096 *K 3571.4*	-Shear Rock.	41° 04.0′ S 146° 47.1′ E	**V.Q.(3)W.** period 5s	12 **4**	2	E. CARDINAL BYB, tower, topmark.	**Radar reflector.**
7100 *K 3571.6*	-Barrel Rock Spit.	41° 04.2′ S 146° 47.5′ E	**Fl.R.** period 2s	10 **3**	2	Red metal beacon.	
7104 *K 3570*	-She-Oak Point, Middle Channel Range, front, and Sea Reach Range, rear.	41° 04.7′ S 146° 48.3′ E	**2 F.R.** (vert.)	35 **11**	10	White round stone tower.	Visible on range line only.
7108 *K 3569.9*	--Middle Channel Range, rear, 365 meters 127°41′ from front.	41° 04.8′ S 146° 48.5′ E	**F.R.** (vert.)	62 **19**	10	White round stone tower, red stripe.	Visible on range line only.
7110 *K 3570.1*	--Sea Reach Range, front, 160 meters from rear.	41° 04.8′ S 146° 48.3′ E	**F.R.**	26 **8**			Lights in line 004°30′.
7112 *K 3572.4*	-Northwest Bank.	41° 04.7′ S 146° 47.8′ E	**Fl.G.** period 3.5s	12 **4**	2	Green round tower, metal tripod.	
7113 *K 3571.2*	-Lagoon Bay Range, front.	41° 04.5′ S 146° 48.3′ E	**F.G.**	43 **13**			
7113.1 *K 3571.21*	--Rear, 152 meters 123° from front.	41° 04.5′ S 146° 48.4′ E	**F.G.**	75 **23**			
7116 *K 3572.6*	-Simmons Mistake.	41° 05.2′ S 146° 48.1′ E	**Fl.R.** period 3s	16 **5**	2	Red metal framework tower, tank.	
7120 *K 3573*	-Elbow Spit.	41° 05.4′ S 146° 48.1′ E	**Iso.G.** period 2s	13 **4**	3	Green pile beacon.	
7124 *K 3574.4*	-Honduras Bank.	41° 05.9′ S 146° 48.1′ E	**Fl.G.** period 3s	13 **4**	2	Pile beacon, diamond daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
7125 *K 3576*	-Kelso Range, front.	41° 05.9′ S 146° 47.5′ E	**F.G.** (neon)			Beacon, orange triangular daymark point up.	
7125.1 *K 3576.1*	--Rear, 55 meters 306°16 from front.	41° 05.9′ S 146° 47.5′ E	**F.G.** (neon)			Beacon, orange triangular daymark point down.	
7128 *K 3574.6*	-Bombay Rock.	41° 06.1′ S 146° 48.2′ E	**Q.R.**	16 **5**	2		**Radar reflector.**
7129 *K 3575.4*	-Long Tom Reef.	41° 06.4′ S 146° 48.5′ E	**Fl.R.** period 3s	16 **5**	2	Round tower, metal tripod.	
7130 *K 3576.4*	-Foul ground.	41° 06.6′ S 146° 48.5′ E	**Fl.G.** period 3s	13 **4**	2	Beacon.	
7132 *K 3574*	-Arthurs Head Range, front.	41° 06.9′ S 146° 48.1′ E	**F.G.** (neon)			White wooden beacon.	
7136 *K 3574.1*	--Rear, 140 meters 182°15′ from front.	41° 07.0′ S 146° 48.1′ E	**F.G.** (neon)			White wooden beacon.	
7140 *K 3577*	-George Town Range, front.	41° 07.0′ S 146° 49.5′ E	**F.R.** (neon)	26 **8**		Beacon, orange triangular daymark point up; 30.	
7144 *K 3577.1*	--Rear, 50 meters 126°16′ from front.	41° 07.0′ S 146° 49.5′ E	**F.R.** (neon)	43 **13**		Beacon, orange triangular daymark point down; 36.	
7146 *K 3577.4*	-Jetty, head.	41° 06.6′ S 146° 49.2′ E	**F.R.**			Shed.	
7148 *K 3577.8*	-Garden Island, N. end.	41° 06.7′ S 146° 48.8′ E	**Iso.G.** (neon) period 8s	33 **10**		Wooden mast.	Garden Island marked by 3 F.G. lights.
7154 *K 3580.2*	-Roundabout Point.	41° 07.4′ S 146° 49.1′ E	**Oc.R.** (neon) period 6s	16 **5**	3	Red post.	
7156 *K 3580.4*	-Ashmans Point.	41° 07.5′ S 146° 48.7′ E	**F.G.** (neon)			Wooden framework tower.	
7156.1 *K 3581*	-Point Effingham.	41° 08.2′ S 146° 49.7′ E	**Fl.R.** period 2s	33 **10**	4	Red metal framework tower.	
7156.2 *K 3581.4*	-Shag Rock.	41° 08.4′ S 146° 49.5′ E	**Fl.G.** period 3s	10 **3**	3	Black column, black triangular daymark point up.	
7156.3 *K 3581.7*	-West Arm.	41° 08.5′ S 146° 48.8′ E	**Fl.G.** period 5s			Beacon.	
7156.5 *K 3581.8*	-Redbill Point Range, front.	41° 08.5′ S 146° 48.4′ E	**F.R.**			Orange triangular daymark point up.	
7156.51 *K 3581.81*	--Rear, 267° from front.	41° 08.6′ S 146° 48.4′ E	**F.R.**			Orange triangular daymark point down.	
7156.6 *K 3582*	-Beauty Point Harbor, Orari Bank.	41° 08.7′ S 146° 49.7′ E	**V.Q.W.**	13 **4**	2	N. CARDINAL BY, beacon, topmark.	
7156.7 *K 3582.4*	--W. side of entrance.	41° 08.7′ S 146° 49.5′ E	**Fl.G.** period 1.5s			Pile.	
7157 *K 3582.8*	--E. side of channel.	41° 09.1′ S 146° 49.7′ E	**Fl.R.** period 3s			Pile.	
7157.1 *K 3583*	--Inspection Head Jetty, N. end.	41° 09.0′ S 146° 49.4′ E	**F.R.** (neon)	29 **9**	4	Shed.	Visible 197°-258°.
7157.2 *K 3584.3*	-Bell Bay No 2.	41° 08.8′ S 146° 50.8′ E	**Fl.(2)R.** period 5s			Red beacon.	
7157.3 *K 3584.4*	--No 1.	41° 08.9′ S 146° 50.8′ E	**Q.(2)G.** period 5s	16 **5**	3	STARBOARD (A) G, beacon, topmark.	**Radar reflector.**
7157.4 *K 3584.6*	--No 4.	41° 08.7′ S 146° 51.1′ E	**Fl.R.** period 3s	16 **5**	3	Red wooden beacon.	**Radar reflector.**
7157.7 *K 3585.3*	--Common User Berth No 6, NW. corner.	41° 08.4′ S 146° 51.0′ E	**F.R.**				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			TASMANIA				
7158.3 *K 3586.5*	--Ferry Berth Range, front.	41° 08.1′ S 146° 51.9′ E	**F.G.** (neon)				
7158.5 *K 3586.51*	---Rear, 239 meters 283°54′ from front.	41° 08.1′ S 146° 51.7′ E	**F.G.** (neon)			Wooden pole.	
7158.6 *K 3586.6*	--Comalco Wharf.	41° 08.1′ S 146° 52.1′ E	**F.G.R.** (vert.)				
7158.7 *K 3586.79*	--Comalco Range W., front, 82 meters from common rear.	41° 07.8′ S 146° 52.5′ E	**F.G.** (neon)			Pole.	Forms range 005°19′.
7158.9 *K 3586.8*	---Common rear, Comalco Tower.	41° 07.7′ S 146° 52.5′ E	**Iso.G.** (neon) period 8s			Pole.	
7159 *K 3586.81*	--Comalco Range E., front, 75 meters from common rear.	41° 07.8′ S 146° 52.5′ E	**F.G.** (neon)			Pole.	Forms range 345°38′.
7159.1 *K 3587*	--Wolverine Shoal.	41° 08.4′ S 146° 52.7′ E	**Q.W.**	7 **2**	4	N. CARDINAL BY, beacon, topmark.	
7159.2 *K 3587.2*	--Port Dalrymple Range, front.	41° 08.0′ S 146° 53.2′ E	**F.R.**				
7159.3 *K 3587.21*	---Rear, 45 meters 064°46′ from front.	41° 08.0′ S 146° 53.2′ E	**F.R.**				
7159.5 *K 3587.4*	-Long Reach, No 1.	41° 08.6′ S 146° 53.5′ E	**Fl.G.** period 3s	16 **5**	2		
7159.6 *K 3587.6*	--Power Station Jetty, head.	41° 08.7′ S 146° 54.0′ E	**F.R.**				
7160 *K 3588.1*	-Long Reach Range, front.	41° 10.8′ S 146° 56.7′ E	**F.R.**	13 **4**	3		
7160.1 *K 3588.11*	--Rear, 131°54′ from front.	41° 10.9′ S 146° 56.8′ E	**F.R.**	26 **8**	3		
7162 *K 3598.99*	Bridport.	41° 00.1′ S 147° 23.8′ E	**Fl.W.** period 3s		5		
7164 *K 3599*	Waterhouse Island.	40° 47.0′ S 147° 38.5′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	82 **25**	8	White fiberglass hut; 13.	Visible 036°30′-346°.

Section 8

South Coast of Australia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
	GIPPSLAND LAKES:						
7168 *K 2544*	-Mount Barkly.	37° 52.9′ S 147° 57.8′ E	**Oc.W.** period 4s lt. 3s, ec. 1s	230 **70**	12	Metal framework tower; 30.	Visible 245°-099°. Reserve light.
7172 *K 2545*	-Entrance, E. side.	37° 53.3′ S 147° 58.4′ E	**F.W.**	50 **15**	5	Metal column, wooden framework tower; 16.	
			F.Bu.	39 **12**			LED in shape of triangle point down. Shown 24 hours (extinguished when location and alignment of last dredged line is uncertain; extreme caution should be exercised).
	PORT ALBERT:						
7180 *K 2540*	-Shoal Inlet.	38° 40.5′ S 146° 50.1′ E	**Fl.W.** period 2s fl. 0.5s, ec. 1.5s	30 **9**	6	Metal tower; 10.	R. lights on radio mast 13 miles NNE.
7188 *K 2534*	-Entrance Range, front.	38° 44.1′ S 146° 39.6′ E	**Fl.W.** period 6s	19 **6**	9	Red slats, pile structure; 20.	
7192 *K 2534.1*	--Rear, 0.7 mile 317°56′ from front.	38° 43.6′ S 146° 39.0′ E	**Oc.W.** period 3s	39 **12**	4	White framework tower; 30.	
7196 *K 2538*	-Wharf, SE. corner.	38° 41.0′ S 146° 42.0′ E	**F.R.**			Post, hut.	
7200 *K 2531*	Big Snake Island.	38° 43.0′ S 146° 30.0′ E	**Fl.W.** period 10s	16 **5**	2		
7204 *K 2500*	**Cliffy Island.**	38° 57.1′ S 146° 42.4′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	171 **52**	**17**	Brown masonry tower, white lantern; 39.	
7208 *K 2502*	**-Lighthouse Point.**	38° 50.5′ S 146° 28.5′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	118 **36**	**17**	Framework tower, red slats; 79.	Visible 187°-350°.
			Dir.W.R.G. period 3s fl. 1s, ec. 2s	115 **35**	9		Fl.G. 273°-277°, Fl.W.-279°, Fl.R.-283°.
	CORNER INLET:						
7212 *K 2503*	-Lewis Channel, No 4.	38° 45.1′ S 146° 26.1′ E	**Fl.R.** period 4s fl. 0.5s, ec. 3.5s	16 **5**	2	PORT (A) R, beacon, topmark.	
7224 *K 2504.9*	--022°35′.	38° 43.0′ S 146° 23.0′ E	**Dir.W.R.G.**	75 **23**	8		F.G. 009°06′-022°06′, F.W.-023°06′, F.R.-029°06′.
	-Lewis Channel:						
7228 *K 2506*	--Longspit, No 2.	38° 45.0′ S 146° 26.0′ E	**Fl.R.** period 2s	23 **7**	5	PORT (A) R, beacon, topmark.	
7232 *K 2512*	--W. side, No 6.	38° 44.0′ S 146° 26.0′ E	**Fl.R.** period 4s fl. 0.5s, ec. 3.5s	13 **4**	3	PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7236 *K 2514*	--No 8.	38° 43.5′ S 146° 25.4′ E	**Fl.R.** period 4s	17 **5**	2	PORT (A) R, beacon, topmark.	
7240 *K 2516*	--NW. side No 10.	38° 43.0′ S 146° 26.0′ E	**Fl.R.** period 4s	15 **5**	2	Framework tower, piles.	
7244 *K 2518*	--No 12.	38° 42.7′ S 146° 26.1′ E	**Fl.R.** period 4s	17 **5**	2	PORT (A) R, beacon, topmark.	
7248 *K 2520*	--N. side, No 14.	38° 42.0′ S 146° 27.0′ E	**Fl.R.** period 4s	13 **4**	3	PORT (A) R, beacon, topmark.	
7252 *K 2522*	--Welshpool Pier.	38° 42.0′ S 146° 27.0′ E	**F.R.**	26 **8**	3		
7256 *K 2524*	---Jetty, head.	38° 42.0′ S 146° 28.0′ E	**2 F.R.** (vert.)	33 **10**	3	Post.	
7260 *K 2504.2*	-Franklin Spit.	38° 45.0′ S 146° 25.0′ E	**V.Q.(3)W.** period 5s	23 **7**	5	E. CARDINAL BYB, beacon, topmark.	
7264 *K 2525*	-Franklin River, No 1.	38° 46.0′ S 146° 22.0′ E	**Fl.G.** period 6s fl. 1s, ec. 5s	16 **5**	4	Pile beacon; 13.	
7268 *K 2526*	--No 3, E. side.	38° 45.0′ S 146° 19.0′ E	**Fl.G.** period 4s fl. 0.5s, ec. 3.5s	15 **5**	4	Pile beacon.	Fl.R. shown in channel.
7272 *K 2529*	--W. side, No 12.	38° 42.5′ S 146° 17.5′ E	**Fl.W.R.** period 2s	15 **5**	4	Red pile beacon.	W. 350°-050°, R.-350°.
7280 *K 2504.3*	-Toora Channel No 1.	38° 45.0′ S 146° 24.0′ E	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	20 **6**	4	STARBOARD (A) G, pile, topmark.	
7284 *K 2504.6*	--No 5.	38° 44.0′ S 146° 23.0′ E	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	4	STARBOARD (A) G, pile, topmark.	
	WILSONS PROMONTORY:						
7288 *K 2496*	-Sealers Cove, near Horn Point.	39° 01.2′ S 146° 27.7′ E	**Fl.W.R.** period 10s fl. 0.5s, ec. 9.5s	70 **21**	W. 4 R. 1	Metal column; 7.	W. 176°-270°, R.-176°.
7292 *K 2495*	-Refuge Cove, S. side.	39° 02.4′ S 146° 28.1′ E	**Fl.W.R.** period 6s fl. 0.5s, ec. 5.5s	80 **24**	W. 4 R. 1	Metal post; 7.	W. 210°-281°30′, R.-210°.
7296 *K 2494*	-Waterloo Bay, Waterloo Point.	39° 05.3′ S 146° 26.4′ E	**Fl.W.R.** period 10s fl. 0.5s, ec. 9.5s	65 **20**	W. 4 R. 1	White post; 7.	W. 238°-272°, R.-238°.
7300 *K 2492*	**-Wilsons Promontory.**	39° 07.8′ S 146° 25.5′ E	**Fl.W.** period 7.5s fl. 0.2s, ec. 7.3s	384 **117**	**18**	Gray round stone tower, white lantern, dwellings; 62.	Visible 201°-082°, partially obscured-201°.
7304 *K 2492.5*	**East Moncoeur Island.**	39° 13.7′ S 146° 32.4′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	335 **102**	**16**	White fiberglass hut; 7.	
7308 *K 2493*	**Hogan Island.**	39° 13.2′ S 146° 59.1′ E	**Fl.(2)W.** period 6s fl. 0.1s, ec. 1.9s fl. 0.1s, ec. 3.9s	446 **136**	**16**	White fiberglass hut; 13.	
7312 *K 2486*	**Citadel Island.**	39° 06.9′ S 146° 14.3′ E	**Fl.(2)W.** period 15s fl. 0.2s, ec. 3.5s fl. 0.2s, ec. 11.1s	385 **117**	**17**	White fiberglass hut; 13.	Obscured by Glennie and Anser groups.
7316 *K 2484*	Waratah Bay.	38° 51.8′ S 146° 00.1′ E	**Fl.W.R.G.** period 10s fl. 0.5s, ec. 9.5s	118 **36**	W. 4 R. 1 G. 1	Metal column; 18.	R. 140°-194°, G.-259°, W.-328°, R.-053°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7320 *K 2482*	**Cape Liptrap.**	38° 54.6′ S 145° 55.2′ E	**Fl.W.** period 12s fl. 0.1s, ec. 11.9s	304 **93**	**16**	White concrete tower; 33.	
7324 *K 2480*	Inverloch, Andersons Inlet.	38° 38.2′ S 145° 44.1′ E	**Fl.R.** period 5s	20 **6**	2		
7328 *K 2476*	Cape Woolamai.	38° 33.9′ S 145° 21.4′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	368 **112**	12	Metal column; 10.	
	WESTERN PORT:						
7330 *K 2461.5*	-E. Entrance.	38° 32.6′ S 145° 21.2′ E	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	13 **4**	3	PORT (A) R, beacon, topmark.	
7332 *K 2460*	-E. entrance Range, front.	38° 32.1′ S 145° 20.4′ E	**F.Bu.**	41 **12**	7	Red neon triangular daymark point up; 16.	
7336 *K 2460.1*	--Rear, 455 meters 306°12′ from front.	38° 31.9′ S 145° 20.1′ E	**F.Bu.**	81 **25**	8	Red neon square daymark; 20.	
7344 *K 2456*	-Settlement Point, N. end of Corinella Jetty.	38° 24.4′ S 145° 25.4′ E	**F.G.**	19 **6**	5	Wooden mast; 10.	
7348 *K 2455*	-759 meters 303° from Settlement Point Light.	38° 24.2′ S 145° 24.9′ E	**Fl.R.** period 5s fl. 1s, ec. 4s	20 **6**	4	Pile structure.	
7352 *K 2454*	-Rhyll.	38° 28.0′ S 145° 18.6′ E	**Fl.G.** period 5s	16 **5**	3	Column; 13.	Fl.R. shown on E. side of channel entrance.
7356 *K 2436*	-Tankerton jetty, off head.	38° 23.0′ S 145° 16.1′ E	**Fl.G.** period 5s			STARBOARD (A) G, beacon, topmark.	F.Bu. shown near root.
7360 *K 2437.2*	-Hanns Inlet, N.	38° 23.3′ S 145° 13.9′ E	**Fl.G.** period 8s fl. 1s, ec. 7s	15 **5**	3	STARBOARD (A) G, beacon, topmark.	
7364 *K 2437*	--S.	38° 23.3′ S 145° 13.9′ E	**Fl.R.** period 8s fl. 1s, ec. 7s	15 **5**	2	PORT (A) R, beacon, topmark.	
7368 *K 2438*	-Stony Point Range, front.	38° 22.3′ S 145° 13.5′ E	**F.Bu.**	13 **4**	3	Post.	
7372 *K 2438.1*	--Rear, about 914 meters 288° from front.	38° 22.2′ S 145° 12.8′ E	**F.Bu.**	33 **10**	3	Post.	
7376 *K 2438.6*	--No 2.	38° 22.5′ S 145° 13.7′ E	**Fl.(2)R.** period 8s	7 **2**	1	Red pile.	Marks E. limit of mooring area.
7376.2 *K 2438.8*	---S.	38° 22.8′ S 145° 13.8′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	Marks S. limit of mooring area.
7377 *K 2439.2*	---No 12.	38° 22.0′ S 145° 13.4′ E	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s			PORT (A) R, beacon, topmark.	
7377.2 *K 2439*	---No 13.	38° 22.0′ S 145° 13.5′ E	**Q.(2)G.** period 5s			STARBOARD (A) G, beacon, topmark.	
7378 *K 2439.6*	-Middle Spit.	38° 22.5′ S 145° 15.4′ E	**Q.(6)+L.Fl.W.** period 15s	23 **7**	4	S. CARDINAL YB, beacon, topmark.	**Radar reflector.**
7378.3 *K 2439.7*	--MS1.	38° 21.5′ S 145° 14.5′ E	**Fl.(4)Y.** period 6s	23 **7**	4	Pile.	**Radar reflector.**
7378.6 *K 2443.7*	--MS2.	38° 19.8′ S 145° 14.7′ E	**Fl.Y.** period 4s	23 **7**	4	Pile.	**Radar reflector.**
7378.9 *K 2446.5*	--MS3.	38° 18.3′ S 145° 14.7′ E	**Fl.Y.** period 3s	23 **7**	4	Pile.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
	-Crib Point:						
7380 *K 2440*	--Mooring dolphin No 1.	38° 20.9′ S 145° 13.5′ E	**F.W.**	13 **4**	2		
7384 *K 2441.1*	---No 2.	38° 20.9′ S 145° 13.5′ E	**F.R.**	15 **5**	1		
7388 *K 2441*	--Berthing dolphin No 1.	38° 21.0′ S 145° 13.0′ E	**F.R.**	12 **4**	1		Forms range 320°40′ with dolphin No 2, marks SW. limit of dredged area.
7392 *K 2442.2*	--Jetty 1, N. end.	38° 21.0′ S 145° 13.0′ E	**2 F.G.** (vert.)	31 **9**	1		
7396 *K 2442*	---S. end.	38° 21.0′ S 145° 13.0′ E	**2 F.G.** (vert.)	31 **9**	1		
7408 *K 2451*	-Jetty, elbow.	38° 13.7′ S 145° 18.3′ E	**Q.G.**				
7416 *K 2450.6*	-Rutherford Creek, E. side.	38° 15.6′ S 145° 18.5′ E	**Fl.G.** period 5s fl. 1s, ec. 4s	18 **5**	2	STARBOARD (A) G, beacon, topmark.	
7420 *K 2452*	-Tooradin, Sawtells Inlet.	38° 13.5′ S 145° 22.5′ E	**Fl.G.** period 10s fl. 0.3s, ec. 9.7s	14 **4**	3	STARBOARD (A) G, beacon, topmark.	
7424 *K 2444*	-Hastings, N. side of entrance.	38° 19.5′ S 145° 13.3′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	15 **5**	4	STARBOARD (A) G, beacon, topmark.	
7425 *K 2444.2*	--S. side, No 2.	38° 19.5′ S 145° 13.2′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
7428 *K 2446*	--On Jetty.	38° 18.5′ S 145° 12.0′ E	**F.R.**	17 **5**	4	Mast; 13.	
7429 *K 2446.9*	-Long Island Point, Liquids Pier Range, front, 580 meters 318°54' to common rear.	38° 18.5′ S 145° 13.7′ E	**F.R.**	30 **9**	2		
7429.1 *K 2447*	--Common rear.	38° 18.3′ S 145° 13.4′ E	**F.R.**	39 **12**	2		F.G. shown from N. and S. ends of Liquids Pier.
7429.2 *K 2447.1*	--Range, front, 380 meters 275°35' to common rear.	38° 18.3′ S 145° 13.7′ E	**F.R.**	30 **9**	2		
7431 *K 2449*	-Steel Industry Wharves Range, front.	38° 17.6′ S 145° 13.7′ E	**F.G.**	16 **5**	2	Green neon triangular daymark point up.	
7431.1 *K 2449.1*	--Rear, 83 meters 287° from front.	38° 17.6′ S 145° 14.4′ E	**F.G.**	26 **8**	2	Green neon triangular daymark point down.	
7433 *K 2449.4*	-Watson Inlet, No 2.	38° 15.7′ S 145° 15.6′ E	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	10 **3**	1	PORT (A) R, beacon, topmark.	
7434 *K 2449.7*	-Eagle Rock.	38° 15.9′ S 145° 16.8′ E	**Fl.(2)W.** period 10s	10 **3**	4	ISOLATED DANGER BRB, beacon, topmark.	
7435 *K 2450*	-Crawfish Rock.	38° 16.2′ S 145° 17.8′ E	**Fl.W.R.G.** period 8s	13 **4**	3	Concrete pile.	G. 077°-215°, W.-286°, R.-077°.
7436 *K 2432*	-Cowes, jetty, head.	38° 26.8′ S 145° 14.4′ E	**L.Fl.R.** period 10s fl. 2s, ec. 8s	17 **5**	3	Column; 13.	
7440 *K 2428*	**-McHaffies Point.**	38° 28.0′ S 145° 10.0′ E	**Oc.W.R.G.** period 5s lt. 4s, ec. 1s	90 **27**	**16**	39.	G. 042°-053°, W.-061°, R.-042°. Reserve light.
7444 *K 2426*	-Flinders Jetty.	38° 28.5′ S 145° 01.7′ E	**Oc.W.R.G.** period 4s lt. 3s, ec. 1s	21 **6**	W. 8 R. 6 G. 5	Column; 16.	R. 212°-231°, G.-263°, W.-301°, G.-320°, R-343°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7448 *K 2424.2*	-Round Island.	38° 31.1′ S 145° 06.6′ E	**L.Fl.W.R.** period 7s fl. 2s, ec. 5s	101 **31**	10		R. 213°-290°, W.-033°, R.-066°, W.-213°. Reserve light Fl.(2)W.R. 10s.
7450 *K 2424.3*	*-Fairway buoy.*	38° 30.3′ S 145° 05.3′ E	**Iso.W.** period 2s			SAFE WATER RW, pillar, topmark.	
	-RACON		**Y(– • – –)**				
7456 *K 2423*	**Cape Schanck.**	38° 29.6′ S 144° 53.2′ E	**Mo.(N)W.R.** period 22.5s fl. 10.8s, ec. 5.8s fl. 0.1s, ec. 5.8s	328 **100**	W. **19** R. **16**	White stone tower, red cupola, lantern; 69.	R. 280°-290°, W.-130°. Short flash intensified (W. 27M, R. 23M). **DGPS Station.**
7460 *K 2194*	Point Lonsdale.	38° 17.5′ S 144° 36.8′ E	**L.Fl.(2)W.R.G.** period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	120 **37**	W. 12 R. 10 G. 10	White concrete tower; 69.	W. 266°-272°, R.-325°, G.-342°48′, W.-069°, R.-110°. Traffic signals. **Horn:** 2 bl. ev. 30s.
7464 *K 2193*	Barwon River Range, front.	38° 17.1′ S 144° 29.9′ E	**Fl.G.** period 3s	10 **3**	1	10.	
7468 *K 2193.1*	-Rear, 370 meters 296° from front.	38° 17.0′ S 144° 29.7′ E	**F.G.**	30 **9**	5	Post; 20.	
7472 *K 2199*	Fort West.	38° 16.4′ S 144° 39.5′ E	**Dir.Iso.W.R.** period 2s	62 **19**	W. 12 R. 10	Four-sided metal framework tower, gray rectangular daymark.	W. 048°42′-052°42′, R.-058°42′.
			Dir.W.R.	66 **20**	W. 6 R. 4		F.W. 040°43′-042°28′, F.R.-044°13′.
	PORT PHILLIP:						
7476 *K 2199.9*	-Hume Tower Range, front.	38° 16.4′ S 144° 39.5′ E	**Oc.R.** period 15s lt. 12.5s, ec. 2.5s	92 **28**	11	Metal framework tower, white rectangular daymark; 79.	Forms range 046° with common rear. Marks W. limit of 12 meter dredged channel.
7480 *K 2200*	--Shortland Bluff, common rear.	38° 16.3′ S 144° 39.7′ E	**F.W.**	130 **40**	14	Stone tower, green top; 82.	Visible 224°-228°, 245°-059°, within the Heads; 014°-059° to seaward.
			Oc.W. period 15s				Visible 029°-053°, 224°-228°. In line 225°53′ with Coles Channel light.
7484 *K 2200.1*	---Queenscliff Low, front, 325 meters 042°28' to common rear.	38° 16.4′ S 144° 39.6′ E	**Oc.W.R.G.** period 15s lt. 13s, ec. 2s	93 **28**	W. 12 R. 11 G. 6	White stone tower, red stripe, green top.	R. 241°-252°, W.-260°, G.-267°, R.-315°42′, W.-356°, R.-032°, (but obscured by land seaward of Point Nepean 351°-011°), W.-046°.
7488 *K 2204*	-Murray Tower.	38° 16.4′ S 144° 39.6′ E	**Oc.G.** period 15s lt. 12.5s, ec. 2.5s	82 **25**	5	Metal framework tower.	Visible 032°-046°. In range 038°39′ with Shortland-Bluff Light marks E. limit of dredged channel. Reserve light Oc.G. 3s.
7490 *K 2205*	-Drapers Reef.	38° 16.3′ S 144° 40.0′ E	**Q.R.**			PORT (A) R, beacon, topmark.	
7492 *K 2206*	-Queenscliff, S. jetty elbow.	38° 16.1′ S 144° 40.1′ E	**F.Bu.**	16 **5**	5	Orange LED triangular daymark point down.	
7500 *K 2208*	--Range, front.	38° 15.9′ S 144° 40.3′ E	**Q.G.**	17 **5**	2	Mast; 13.	
7501 *K 2208.1*	---Rear, 492 meters 307°33′ from front.	38° 15.7′ S 144° 40.1′ E	**F.G.**	23 **7**			
7502.5 *K 2206.6*	--Boat harbor entrance, S. side.	38° 16.1′ S 144° 40.6′ E	**Q.R.**			PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7504 *K 2207*	--S. Seawall.	38° 15.9′ S 144° 40.4′ E	**Fl.R.** period 5s fl. 1s, ec. 4s	17 **5**	2	Mast; 13.	
7505 *K 2209*	-N. Approach.	38° 15.7′ S 144° 41.5′ E	**Fl.R.** period 3s	13 **4**	3	PORT (A) R, pile, topmark.	
7505.5 *K 2211*	-Swan Spit.	38° 15.4′ S 144° 42.2′ E	**Q.R.**	13 **4**	3	PORT (A) R, pile, topmark.	
7506 *K 2213*	-Swan Bay Jetty, head.	38° 13.7′ S 144° 39.3′ E	**Fl.W.** period 5s	16 **5**	2	Post.	Entrance channel marked by lighted and unlighted beacons.
7507 *K 2322.2*	-Popes Eye.	38° 17.3′ S 144° 41.3′ E	**V.Q.(6)+L.Fl.W.** period 10s	30 **9**	8	S. CARDINAL YB, beacon, topmark.	
7507.5 *K 2322.25*	--S.	38° 17.7′ S 144° 41.1′ E	**Q.W.**	29 **9**	9	N. CARDINAL BY, beacon, topmark.	**AIS** (MMSI No 995031076).
	-South Channel:						
7508 *K 2318*	--Quarantine station.	38° 18.7′ S 144° 41.7′ E	**Fl.W.G.** period 3s fl. 1s, ec. 2s	21 **6**	2	White mast; 13.	W. 129°-199°, G.-129°.
7512 *K 2319*	--Portsea, pier, head.	38° 19.1′ S 144° 42.8′ E	**F.R.G.**	23 **7**	7	Metal column; 16.	R. 114°-210°, G.-286°.
7513 *K 2322.3*	---No 1.	38° 18.0′ S 144° 42.4′ E	**Fl.G.** period 3s	30 **9**	3	STARBOARD (A) G, beacon, topmark.	
7514 *K 2322.35*	---No 2.	38° 17.7′ S 144° 42.5′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
7515 *K 2322.4*	---No 3.	38° 18.3′ S 144° 43.7′ E	**Fl.(2)G.** period 5s	30 **9**	3	STARBOARD (A) G, beacon, topmark.	
7516 *K 2322.45*	---No 4.	38° 18.0′ S 144° 43.8′ E	**Fl.(2)R.** period 5s	30 **9**		PORT (A) R, beacon, topmark.	
7517 *K 2322.5*	---No 6.	38° 18.2′ S 144° 45.5′ E	**Fl.(3)R.** period 10s	30 **9**	3	PORT (A) R, beacon, topmark.	
7518 *K 2322.55*	---No 7.	38° 19.0′ S 144° 47.0′ E	**Fl.(4)G.** period 12s	30 **9**	3	STARBOARD (A) G, beacon, topmark.	
7519 *K 2322.6*	---No 8.	38° 18.5′ S 144° 47.2′ E	**Fl.(4)R.** period 12s	30 **9**	3	PORT (A) R, beacon, topmark.	
7519.6 *K 2322.63*	--South Channel Fort.	38° 18.4′ S 144° 48.1′ E	**Fl.W.** period 5s				
7520 *K 2320*	--Sorrento Range, front.	38° 20.2′ S 144° 44.7′ E	**F.R.**	23 **7**	2	Column; 13.	AERO V.Q.R. 48m 0.5M SW.
7521 *K 2320.1*	---Rear, 169°48′ from front.	38° 20.3′ S 144° 44.7′ E	**F.R.**	23 **7**	2		Visible 079°48′-259°48′.
7521.2 *K 2319.5*	--Sorrento, entrance channel, No 1.	38° 19.5′ S 144° 44.5′ E	**Fl.G.** period 5s	13 **4**	2	Green beacon.	
7521.3 *K 2319.6*	---No 2.	38° 19.5′ S 144° 44.7′ E	**Fl.R.** period 5s	13 **4**	2	Beacon, red rectangular daymark.	
7522 *K 2322.65*	--Beacon No 9.	38° 19.3′ S 144° 48.7′ E	**Fl.G.** period 3s	30 **9**	3	STARBOARD (A) G, beacon, topmark.	
7523 *K 2322.7*	---No 10.	38° 18.9′ S 144° 48.9′ E	**Fl.R.** period 3s	30 **9**	3	PORT (A) R, beacon, topmark.	
7523.4 *K 2325.5*	---Rye Channel, S.	38° 20.3′ S 144° 49.1′ E	**Fl.W.** period 3s		2	Pile.	
7524 *K 2322.75*	---No 11.	38° 19.5′ S 144° 50.1′ E	**V.Q.W.**	30 **9**	5	N. CARDINAL BY, beacon, topmark.	
7525 *K 2322.8*	---No 12.	38° 19.3′ S 144° 50.2′ E	**Fl.(2)R.** period 5s	30 **9**	3	PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7525.6 *K 2322.83*	---NW. of Spoil Ground.	38° 19.8′ S 144° 51.1′ E	**Fl.(2)W.** period 6s		2	ISOLATED DANGER BRB, beacon, topmark.	
7526 *K 2322.85*	---No 13.	38° 19.9′ S 144° 51.5′ E	**Fl.(3)G.** period 10s	30 **9**	3	STARBOARD (A) G, beacon, topmark.	
7527 *K 2322.9*	---No 14.	38° 19.7′ S 144° 51.6′ E	**Fl.(3)R.** period 10s	30 **9**	3	PORT (A) R, beacon, topmark.	
7527.5 *K 2322.95*	---No 15.	38° 20.0′ S 144° 52.5′ E	**Fl.(4)G.** period 12s	30 **9**	3	STARBOARD (A) G, beacon, topmark.	
7528 *K 2323*	---No 16.	38° 19.8′ S 144° 52.5′ E	**Fl.(4)R.** period 12s	30 **9**	3	PORT (A) R, beacon, topmark.	
7529 *K 2323.2*	---No 18.	38° 19.8′ S 144° 53.5′ E	**Fl.R.** period 3s	30 **9**	3	PORT (A) R, beacon, topmark.	
7530 *K 2323.25*	---No 19.	38° 20.1′ S 144° 54.5′ E	**Fl.(2)G.** period 5s	30 **9**	8	STARBOARD (A) G, beacon, topmark.	
7531 *K 2323.3*	---No 20.	38° 19.8′ S 144° 53.9′ E	**Fl.(2)R.** period 5s	30 **9**	3	PORT (A) R, beacon, topmark.	
7532 *K 2325*	--Rye Jetty.	38° 21.9′ S 144° 49.4′ E	**Fl.R.** period 12.5s fl. 0.5s, ec. 12s	19 **6**	3	Column; 13.	
7564 *K 2324*	--Hovell, E. end of middle ground.	38° 19.6′ S 144° 53.9′ E	**Fl.W.** period 6s	36 **11**	3		Reserve light Fl.(2)W. 8s 6M.
7572 *K 2327*	-Jetty.	38° 21.0′ S 144° 54.4′ E	**Fl.R.** period 6s	22 **7**	5		
			F.Bu.		5		
7576 *K 2328*	--Dromana Jetty.	38° 19.8′ S 144° 57.8′ E	**Fl.R.** period 3s	24 **7**	2	Column; 16.	
	-East Side:						
7580 *K 2330*	--Schnapper Point.	38° 12.7′ S 145° 02.1′ E	**Q.(2)G.** period 5s	30 **9**	10	Metal framework tower.	
7584 *K 2331*	--Frankston, jetty, head.	38° 08.7′ S 145° 06.7′ E	**Fl.G.** period 4s		4	Post.	
7590 *K 2331.38*	--Patterson River.	38° 04.5′ S 145° 07.1′ E	**Fl.(3)G.** period 5s			STARBOARD (A) G, beacon, topmark.	
7592 *K 2331.6*	---Entrance.	38° 04.4′ S 145° 07.1′ E	**Fl.W.** period 3s	23 **7**	8	Building.	Visible 010°-150°.
7600 *K 2332*	--Mordialloc, jetty, head.	38° 00.8′ S 145° 05.0′ E	**Fl.R.** period 2s	39 **12**	3	Post.	
7604 *K 2331.8*	---E. side.	38° 00.7′ S 145° 05.1′ E	**Fl.G.** period 2s fl. 0.5s, ec. 1.5s	23 **7**	3		
7605 *K 2332.3*	--Beaumaris Bay.	37° 59.9′ S 145° 01.8′ E	**Fl.G.** period 5s	13 **4**	2	STARBOARD (A) G, beacon, topmark.	
	-South Channel:						
7605.1 *K 2332.33*	---Watkins Bay.	37° 59.9′ S 145° 02.0′ E	**Q.(6)W.+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
7605.2 *K 2332.35*	---Table Rock Point.	37° 59.9′ S 145° 02.3′ E	**V.Q.(6)W.+L.Fl.W.** period 10s			S. CARDINAL YB, beacon, topmark.	
7605.3 *K 2332.4*	----E. side.	37° 59.6′ S 145° 02.6′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, beacon, topmark.	
7605.4 *K 2332.5*	----NE. side.	37° 59.5′ S 145° 02.8′ E	**V.Q.(9)W.** period 10s			W. CARDINAL YBY, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
	-East Side:						
7606 *K 2332.6*	---Boat ramp.	37° 59.4′ S 145° 02.7′ E	**Fl.W.** period 2s	33 **10**	5	Clubhouse roof.	
7608 *K 2333*	--Half Moon Bay, Black Rock, breakwater, head.	37° 58.0′ S 145° 00.5′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	21 **6**	3	Column; 13.	Marks historic wreck. R. light on tower 1.5 miles ENE.
7609 *K 2333.5*	--Anonyma Shoal, W. side.	37° 57.4′ S 144° 59.3′ E	**V.Q.(9)W.** period 10s			W. CARDINAL YBY, beacon, topmark.	E. cardinal beacon Q.(3)W. 5s marks E. side of shoal.
7612 *K 2334*	--Picnic Point jetty, head.	37° 56.5′ S 144° 59.6′ E	**Fl.(2)G.** period 5s	16 **5**	4		Q.R. and Q.G. mark wave screen in Sandringham Harbor.
7616 *K 2335*	--Middle Brighton Pier, head.	37° 54.3′ S 144° 58.8′ E	**Fl.G.** period 5s				
7618 *K 2233*	-Symonds Channel, N. end.	38° 13.5′ S 144° 48.6′ E	**Q.R.**	30 **9**	8	PORT (A) R, pile, topmark.	
	-West Channel:						
7620 *K 2220*	--Popes Eye Bank, No 1, junction of S. and W. channels.	38° 16.6′ S 144° 41.9′ E	**Fl.W.R.** period 6s fl. 0.5s, ec. 5.5s	24 **7**	W. 7 R. 5	Black beacon.	R. 164°-034°, W.-164°.
7632 *K 2222*	--Channel, No 2.	38° 15.6′ S 144° 42.4′ E	**Fl.(2)R.** period 4s	23 **7**	5	PORT (A) R, hut, topmark.	
7633 *K 2221*	---No 3.	38° 16.0′ S 144° 42.6′ E	**Fl.(2)G.** period 4s	20 **6**	5	STARBOARD (A) G, pile, topmark.	
7634 *K 2222.5*	---No 4.	38° 14.7′ S 144° 43.0′ E	**Fl.(2)R.** period 4s	16 **5**	5	PORT (A) R, pile, topmark.	
7636 *K 2223*	---No 5.	38° 14.8′ S 144° 43.2′ E	**Fl.(2)G.** period 4s	23 **7**	5	STARBOARD (A) G, pile, topmark.	
7637 *K 2226*	---No 6.	38° 13.9′ S 144° 43.5′ E	**Fl.(2)R.** period 4s	13 **4**	5	PORT (A) R, pile, topmark.	
7640 *K 2226.5*	---No 7.	38° 14.0′ S 144° 43.7′ E	**Fl.(2)G.** period 4s	23 **7**	5	STARBOARD (A) G, pile, topmark.	
7642 *K 2228*	---No 8.	38° 13.0′ S 144° 44.0′ E	**Fl.(2)R.** period 4s	23 **7**	5	PORT (A) R, pile, topmark.	
7644 *K 2230*	---No 9.	38° 13.0′ S 144° 44.4′ E	**Fl.(2)G.** period 4s	23 **7**	5	STARBOARD (A) G, pile, topmark.	
7647 *K 2231.5*	---No 13.	38° 12.0′ S 144° 45.1′ E	**Fl.(2)G.** period 4s			STARBOARD (A) G, pile, topmark.	
7652 *K 2225*	-Coles Channel.	38° 14.3′ S 144° 42.3′ E	**Fl.W.** period 4s	20 **6**	9	White hut, black piles; 16.	In line 195° with Monash. In line 225°53′ with Shortland Bluff.
7656 *K 2234*	--St. Leonards, on jetty.	38° 10.3′ S 144° 43.3′ E	**Fl.G.** period 10s	20 **6**	4	Wooden post.	
7657 *K 2234.5*	-Prince George Bank, beacon No 2.	38° 09.0′ S 144° 44.4′ E	**Fl.R.** period 3s	13 **4**	3	PORT (A) R, pile, topmark.	
7658 *K 2235*	--Beacon No 4.	38° 07.7′ S 144° 44.3′ E	**Q.R.**	13 **4**	3	PORT (A) R, pile, topmark.	
7660 *K 2236*	-Prince George Shoal.	38° 06.4′ S 144° 44.2′ E	**Fl.R.** period 4s	23 **7**	8	Pile.	Six lighted special beacons mark shellfish cultivation area 2.2 miles W.
	-RACON		**G(– – •)**				(3 & 10cm).
7662 *K 2237*	-Station Peak.	37° 57.1′ S 144° 25.5′ E	**Q.R.**	1148 **350**			

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7664.1 *K 2239*	--Port Arlington, breakwater, head.	38° 06.6′ S 144° 39.2′ E	**Fl.G.** period 6s fl. 1s, ec. 5s	13 **4**	6		
7667 *K 2240*	-Clifton Springs, breakwater, head.	38° 09.3′ S 144° 33.2′ E	**Q.G.**				
	-Point Richards Channel:						
7667.5 *K 2241*	--Entrance.	38° 05.0′ S 144° 39.9′ E	**Q.W.**	33 **10**	9	Yellow beacon, black top, pile; 30.	**AIS** (MMSI No 995031042).
7668 *K 2242*	--No 1.	38° 05.1′ S 144° 38.6′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	
			F.G.				
7672 *K 2242.2*	--No 2.	38° 05.1′ S 144° 38.6′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	
			F.R.				
7676 *K 2242.4*	--No 3.	38° 05.2′ S 144° 37.7′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	
7680 *K 2242.6*	--No 4.	38° 05.3′ S 144° 37.7′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	
7684 *K 2242.8*	--No 5.	38° 05.4′ S 144° 36.9′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	
7688 *K 2243*	--No 6.	38° 05.4′ S 144° 36.9′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 16.	
7692 *K 2243.2*	--No 7.	38° 05.6′ S 144° 36.0′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	
7693 *K 2243.3*	--No 7A.	38° 06.0′ S 144° 35.4′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	Iso.G. 4s and F.G. lights contained within a single light unit.
			F.G.				
7696 *K 2243.4*	--No 8.	38° 05.7′ S 144° 36.1′ E	**Iso.R.** period 4s	33 **10**	5	Red becon, pile; 16.	
7697 *K 2243.5*	--No 8A.	38° 06.0′ S 144° 35.5′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	
			F.R.				
7700 *K 2248*	--No 9.	38° 06.3′ S 144° 34.8′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30	
7704 *K 2249*	--No 10.	38° 06.4′ S 144° 34.9′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	
7708 *K 2250*	--No 11.	38° 06.6′ S 144° 34.3′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	
7712 *K 2251*	--No 12.	38° 06.7′ S 144° 34.3′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	Shellfish Cultivation Area close SE. marked by six lit special beacons with topmarks.
7716 *K 2252*	--No 13.	38° 07.2′ S 144° 33.1′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	
7720 *K 2253*	--No 14.	38° 07.3′ S 144° 33.2′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	
7724 *K 2253.2*	--No 15.	38° 07.5′ S 144° 32.6′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	Iso.G. 4s and F.G. lights contained within a single light unit.
			F.G.				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7728 *K 2253.4*	--No 16.	38° 07.6′ S 144° 32.7′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	
			F.R.				
7732 *K 2254*	--No 17	38° 07.7′ S 144° 32.0′ E	**Q.G.**	33 **10**	5	Green beacon, pile; 30.	
7734 *K 2254.5*	--No 18.	38° 07.9′ S 144° 32.1′ E	**Q.W.**	33 **10**	5	Yellow beacon, black top, pile; 30.	
7736 *K 2245*	--Range, front, explosive pier, head.	38° 05.8′ S 144° 32.3′ E	**F.Bu.**	11 **3**		Triangular daymark point up.	Q.G. about 750 meters E. and about 1200 meters E.
7740 *K 2245.1*	---Rear, 212 meters 273°38′ from front.	38° 05.8′ S 144° 32.2′ E	**F.Bu.**	23 **7**		Triangular daymark point down.	
	-Geelong Harbor:						
7744 *K 2255.4*	--Wilson Spit Channel Beacon No 2.	38° 07.8′ S 144° 31.4′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	
			F.R.				
7748 *K 2255*	---No 1, N. side of channel.	38° 07.7′ S 144° 31.4′ E	**Iso.G.** period 5s	33 **10**	5	Green beacon, pile; 30.	
			F.G.				
7752 *K 2257*	---No 4, S. side of channel.	38° 07.6′ S 144° 30.4′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	Channel marked by beacons No 3, 5-16, Fl.R. and Fl.G.
7754 *K 2270.15*	--Point Henry Channel Entrance.	38° 07.2′ S 144° 27.3′ E	**Q.R.**	33 **10**	5	Red beacon, pile; 30.	
7756 *K 2270.6*	--Point Henry Pier, head.	38° 07.6′ S 144° 26.5′ E	**F.R.**	20 **6**		Dolphin.	Lights are shown on south side of channel.
7760 *K 2270*	--Point Henry Pier Range, front.	38° 07.7′ S 144° 26.2′ E	**F.Bu.**	47 **14**		Neon rectangular daymark.	
7764 *K 2270.1*	---Rear, about 945 meters 234° from front.	38° 08.0′ S 144° 25.6′ E	**F.Bu.**	85 **26**		Neon rectangular daymark.	
7765 *K 2270.7*	--Point Henry, N. limit of channel Range, front.	38° 07.8′ S 144° 26.3′ E	**F.Bu.**	20 **6**		Yellow neon triangular daymark point up; 16.	Marks a line 2.8 meters off N. bank of channel.
7766 *K 2270.71*	---Rear, 159 meters 234° from front.	38° 07.8′ S 144° 26.2′ E	**F.Bu.**	23 **7**		Yellow neon triangular daymark point up.	
7767 *K 2270.9*	--Bird Rock.	38° 05.8′ S 144° 26.3′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
7768 *K 2272*	--Hopetoun Channel Beacon No 2.	38° 07.2′ S 144° 26.8′ E	**Iso.R.** period 4s	33 **10**	5	Red beacon, pile; 30.	
			F.R.				
7772 *K 2271*	--No 1, N. side of channel.	38° 07.1′ S 144° 26.8′ E	**Iso.G.** period 4s	33 **10**	5	Green beacon, pile; 30.	Channel marked by beacons.
			F.G.				
7773 *K 2281*	--No 11.	38° 07.5′ S 144° 22.8′ E	**Q.(6)+L.Fl.Bu.** period 15s	33 **10**	5	Black beacon, yellow top, pile; 30.	
			F.Bu.				
7774 *K 2297.5*	--Marina breakwater, E. end.	38° 08.6′ S 144° 22.2′ E	**F.G.**	13 **4**	1		
7775 *K 2297.6*	---W. end.	38° 08.7′ S 144° 22.0′ E	**F.R.**	13 **4**	1		
7776 *K 2297*	--E. wharf, head.	38° 09.0′ S 144° 22.0′ E	**F.R.**	18 **5**	2	Column.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7777 *K 2296*	--Yarra pier ruins.	38° 08.6′ S 144° 22.0′ E	**Q.W.**			N. CARDINAL BY, pile, topmark.	
7778 *K 2295*	--Range, front.	38° 08.6′ S 144° 21.6′ E	**F.Bu.**				Marks W. limit of dredged area.
7778.1 *K 2295.1*	---Rear, 60 meters 193°42′ from front.	38° 08.7′ S 144° 21.7′ E	**F.Bu.**				
	-Corio Bay:						
7788 *K 2300*	--No 1.	38° 07.1′ S 144° 22.2′ E	**Iso.G.** period 3s	33 **10**	5	Green beacon, pile; 30.	
			F.G.				
7792 *K 2301*	--No 2.	38° 07.4′ S 144° 21.9′ E	**Iso.R.** period 3s	33 **10**	5	Red beacon, pile; 30.	
7796 *K 2302*	--No 3.	38° 06.8′ S 144° 22.3′ E	**Iso.G.** period 3s	33 **10**	5	Green beacon, pile; 30.	
			F.G.				
7800 *K 2303*	--No 4.	38° 07.0′ S 144° 22.0′ E	**Iso.R.** period 3s	33 **10**	5	Red beacon, pile; 30.	
			F.R.				
7804 *K 2311*	--Bulk Wheat Pier, head.	38° 07.0′ S 144° 22.0′ E	**F.R.**	14 **4**		Dolphin.	
7808 *K 2311.2*	---65 meters from pier, head.	38° 06.8′ S 144° 22.0′ E	**F.R.**	42 **13**		Column, neon triangular daymark point down.	
7810 *K 2311.22*	---Off N. Pier.	38° 06.8′ S 144° 22.1′ E	**Fl.R.** period 2s			Dolphin.	F.R. on pier head 40 meters NW.
7811 *K 2312.5*	--Corio Quay Approach.	38° 06.6′ S 144° 22.1′ E	**Q.R.**	33 **10**	5	Red beacon, pile; 30.	
7811.1 *K 2312.55*	---S. limit.	38° 06.5′ S 144° 22.0′ E	**Q.R.**	33 **10**	5	Red beacon, pile; 30.	
7811.5 *K 2312.6*	---N. Limit.	38° 06.3′ S 144° 22.5′ E	**Q.(6)+L.Fl.Bu.** period 15s	33 **10**	5	Black beacon, yellow top; 30.	
7812 *K 2304*	--No 5.	38° 06.2′ S 144° 22.7′ E	**Iso.G.** period 3s	33 **10**	5	Green beacon, pile; 30.	
			F.G.				
7816 *K 2305*	--No 6.	38° 06.2′ S 144° 22.6′ E	**Iso.R.** period 3s	33 **10**	5	Red beacon, pile; 30.	
			F.R.				
7820 *K 2306*	--No 7.	38° 05.8′ S 144° 23.2′ E	**Iso.G.** period 3s	33 **10**	5	Green beacon, pile; 30.	
7824 *K 2307*	--No 8.	38° 05.9′ S 144° 22.8′ E	**Iso.R.** period 3s	33 **10**	5	Red beacon, pile; 30.	
7828 *K 2308*	--No 9.	38° 05.4′ S 144° 23.7′ E	**Iso.G.** period 3s	33 **10**	5	Green beacon, pile; 30.	
7832 *K 2309*	--No 10.	38° 05.5′ S 144° 23.1′ E	**Iso.R.** period 3s	33 **10**	5	Red beacon, pile; 30.	
7836 *K 2310*	--No 11.	38° 05.3′ S 144° 23.5′ E	**Iso.G.** period 3s	33 **10**	5	Green beacon, pile; 16.	
7840 *K 2290*	--Rippleside Pier.	38° 07.6′ S 144° 21.6′ E	**F.G.**	12 **4**	4	Post.	
7844 *K 2314*	--N. Wharf, E. end.	38° 06.4′ S 144° 22.1′ E	**F.R.**		2		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7848 *K 2313*	--N. Wharf, elbow.	38° 06.0′ S 144° 22.0′ E	**F.R.**				
7856 *K 2316*	--Refinery Pier, E. head.	38° 05.4′ S 144° 23.4′ E	**F.R.**	21 **6**	2	Post.	
7860 *K 2316.2*	---W. head.	38° 05.4′ S 144° 23.2′ E	**2 F.R.** (vert.)	20 **6**			F.G. (occasional) range lights in line 315° about 360 yards 322°.
7862 *K 2317.71*	--Limeburners Creek.	38° 04.6′ S 144° 23.9′ E	**Fl.(3)G.** period 8s			STARBOARD (A) G, pile, topmark.	Channel is marked by R. and G. lighted beacons.
	-Werribee River:						
7868 *K 2422*	--SE. of N. entrance.	37° 58.7′ S 144° 41.7′ E	**Fl.G.** period 5s			STARBOARD (A) G, beacon, topmark.	Tide signal.
7872 *K 2420*	--Range, front.	37° 58.4′ S 144° 41.2′ E	**F.Bu.**	16 **5**	4	Post, white triangular daymark, point up.	
7876 *K 2420.1*	---Rear, 168 meters 309°26′ from front.	37° 58.3′ S 144° 41.1′ E	**F.Bu.**	23 **7**	4	Post, white triangular daymark, point down.	
7878 *K 2418.9*	-Explosives Anchorage.	37° 57.0′ S 144° 51.4′ E	**Fl.(4)Y.** period 12s	33 **10**	3	SPECIAL Y, pile, "X" topmark.	
7879 *K 2418.8*	-Point Cook.	37° 55.6′ S 144° 48.9′ E	**Q.(3)W.** period 10s	23 **7**	3	E. CARDINAL BYB, beacon, topmark.	
7880 *K 2419*	--Air Force Station.	37° 55.9′ S 144° 45.0′ E	**2 F.R.** (vert.)	102 **31**			
7884 *K 2418*	-Trugania, Laverton Jetty.	37° 52.4′ S 144° 49.8′ E	**Fl.G.** period 5s	21 **6**	5	Column; 14.	
7884.5 *K 2417.73*	-Altona Boat Harbor.	37° 52.0′ S 144° 51.0′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	
7885.4 *K 2417.2*	--No 1.	37° 51.8′ S 144° 52.1′ E	**Fl.Y.** period 3s			Yellow beacon.	
7885.5 *K 2417.32*	--P3.	37° 53.4′ S 144° 52.9′ E	**Fl.Y.** period 3s			SPECIAL Y, beacon, "X" topmark.	
7886 *K 2338.22*	-Gellibrand Shoal.	37° 52.6′ S 144° 54.9′ E	**Q.(3)W.** period 10s **F.Bu.**	16 **5**	5	E. CARDINAL BYB, beacon, topmark.	
	-Port Melbourne:						
7888 *K 2337*	**--Fawkner Beacon.**	37° 56.9′ S 144° 55.6′ E	**Fl.W.** period 5s	56 **17**	**17**	White round tower, red bands, piles.	Reserve light range 10M.
	--RACON		**F(• • – •)**				(3 & 10cm).
7889 *K 2337.2*	--Port Melbourne Channel, No 1.	37° 55.6′ S 144° 55.7′ E	**Fl.(2)G.** period 4s	23 **7**	5	Beacon, triangular topmark point up.	
7889.2 *K 2337.3*	---No 3.	37° 55.1′ S 144° 55.7′ E	**Fl.(2)G.** period 4s	23 **7**	5	Beacon, triangular topmark point up.	
7889.5 *K 2337.6*	---No 6.	37° 54.5′ S 144° 55.6′ E	**Fl.R.** period 2s	23 **7**	5	Beacon, square topmark.	
7889.7 *K 2338.18*	---No 7.	37° 53.8′ S 144° 55.7′ E	**Fl.(2)G.** period 4s	23 **7**	5	Beacon, triangular topmark point up.	**Radar reflector.**
7889.8 *K 2338.17*	---No 8.	37° 53.9′ S 144° 55.6′ E	**Fl.(2)R.** period 4s	23 **7**	5	Beacon, square topmark.	**Radar reflector.**
7890 *K 2338.2*	---No 9.	37° 53.2′ S 144° 55.8′ E	**Fl.(2)G.** period 4s	23 **7**	5	Beacon, triangular topmark point up.	
7890.2 *K 2338.19*	---No 10.	37° 53.2′ S 144° 55.6′ E	**Fl.(2)R.** period 4s	23 **7**	5	Beacon, square topmark.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7890.4 *K 2338.3*	---No 11.	37° 52.7′ S 144° 55.8′ E	**Fl.(2)G.** period 4s		5	STARBOARD (A) G, beacon, topmark.	
7890.6 *K 2338.24*	---No 12.	37° 52.7′ S 144° 55.6′ E	**Q.R.**	39 **12**	5	PORT (A) R, beacon, topmark.	**Radar reflector.**
7891 *K 2338.25*	---No 14.	37° 52.5′ S 144° 55.6′ E	**Fl.(2)R.** period 4s	23 **7**		Red beacon.	
7895 *K 2338*	--Port Melbourne Channel Range, front.	37° 50.5′ S 144° 55.8′ E	**F.Bu.**	30 **9**	8		
7896 *K 2338.1*	---Rear, 001°30′ from front.	37° 50.2′ S 144° 55.8′ E	**Fl.W.** period 5s	78 **24**	**20**	White concrete tower; 85.	Visible 359°30′-003°30′.
			Dir.Iso.W.R.G. period 3s	70 **21**	**15**	Same structure.	G. 001°06′-001°24′, W.-001°36′, R.-001°54′. Shown 24 hours.
			F.Bu.	59 **18**	8		
7900 *K 2339.4*	--Prince's Pier, head.	37° 50.7′ S 144° 55.5′ E	**V.Q.(4)Y.** period 4s				F.G. marks S. end of Lagoon Pier, F.R. marks head of Kerford Pier, 2 F.W. (vert.) marks Station Pier head, F.G. shown from inner arm.
7904 *K 2361*	--Willamstown Channel Range, front.	37° 50.3′ S 144° 54.2′ E	**F.Bu.**	36 **11**	8	Post, orange triangular daymark point up; 33.	Visible 324°45′-344°45′.
7908 *K 2361.1*	---Rear, 480 meters 324°45′ from front.	37° 50.1′ S 144° 54.1′ E	**F.Bu.**	30 **9**	8	Post, orange triangular daymark point down; 26.	Visible 324°45′-344°45′.
7919 *K 2340.1*	--Jetty, head.	37° 51.1′ S 144° 57.0′ E	**Fl.G.** period 10s				
7920 *K 2340.2*	--St. Kilda, breakwater, head.	37° 51.6′ S 144° 57.7′ E	**Fl.G.** period 5s	20 **6**	3	Beacon.	F.R. on jetty 0.8 miles NW.
	-Williamstown:						
7924 *K 2346*	--Dock Pier, head.	37° 51.7′ S 144° 54.8′ E	**2 F.R.** (horiz.)				
7924.5 *K 2343.5*	--Alfred Graving Dock Pier.	37° 51.7′ S 144° 54.8′ E	**2 F.R.** (horiz.)	75 **23**			
7925 *K 2347*	--Nelson Pier W., head.	37° 51.6′ S 144° 54.8′ E	**F.W.**				
7926 *K 2348*	--Reid Street Pier, head.	37° 51.6′ S 144° 54.7′ E	**Q.W.**	23 **7**	2	Column.	
7927 *K 2349*	--Ann Street Pier, head.	37° 51.6′ S 144° 54.6′ E	**F.G.**	26 **8**		Column.	
7928 *K 2350*	--Workshops Jetty, head.	37° 51.6′ S 144° 54.5′ E	**F.W.**	23 **7**			
7929 *K 2351*	--Gem Pier, head.	37° 51.6′ S 144° 54.4′ E	**F.R.** (neon)	23 **7**	2	Post.	
7930 *K 2352*	--Ferguson Street Pier.	37° 51.6′ S 144° 54.3′ E	**F.G.**				
7932 *K 2343*	--Breakwater Pier, head.	37° 51.9′ S 144° 55.1′ E	**Fl.R.** period 2s fl. 0.5s, ec. 1.5s	18 **5**	10		Tide signal.
7937 *K 2338.4*	--Williamstown Channel, No 15.	37° 52.1′ S 144° 55.6′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
7938 *K 2338.26*	---No 16.	37° 52.3′ S 144° 55.5′ E	**Fl.R.** period 5s	23 **7**		Red beacon.	
7940 *K 2341*	---No 17.	37° 51.8′ S 144° 55.3′ E	**Fl.G.** period 5s	20 **6**	2	Green beacon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
7944 *K 2353*	---No 17A.	37° 51.5′ S 144° 55.2′ E	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	14 **4**	2	Green beacon.	
7948 *K 2353.4*	---No 19A.	37° 51.5′ S 144° 55.1′ E	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	23 **7**	2	Green pile beacon.	
7952 *K 2354*	---No 19.	37° 51.5′ S 144° 55.0′ E	**Fl.G.** period 2s fl. 0.5s, ec. 1.5s	23 **7**	2	Green pile beacon.	
7956 *K 2356*	---SW. side of dredged channel, No 22.	37° 51.3′ S 144° 54.6′ E	**Fl.R.** period 5s	30 **9**	2	Red pile beacon.	
7960 *K 2354.4*	---No 20.	37° 51.5′ S 144° 54.8′ E	**Fl.R.** period 2s fl. 0.5s, ec. 1.5s	23 **7**	2	Red metal pile beacon; 23.	
7964 *K 2355*	---No 21.	37° 51.2′ S 144° 54.8′ E	**Fl.G.** period 5s fl. 1s, ec. 4s	22 **7**	2	Green metal pile beacon.	
	-Yarra River:						
7968 *K 2357*	---NE. side of river entrance, No 23.	37° 51.0′ S 144° 54.5′ E	**Iso.G.** period 4s	26 **8**	2	STARBOARD (A) G, beacon, topmark.	
			F.G.			Neon triangular daymark.	
7972 *K 2344*	--Webb Dock.	37° 50.8′ S 144° 54.3′ E	**Dir.V.Q.W.R.G.**	33 **10**	5		G. 322°38′-323°20′, W.-325°35′, R.-326°59′. Shown 24 hours.
7974 *K 2401.6*	-No 42.	37° 49.4′ S 144° 54.2′ E	**F.R.**			Red beacon.	
7976 *K 2404*	-No 45 Range, front.	37° 49.4′ S 144° 54.5′ E	**F.G.**			Green beacon.	
			Fl.G. period 2s				
7980 *K 2404.1*	--Rear, 87 meters 146°30′ from front.	37° 49.4′ S 144° 54.5′ E	**F.R.**				
7984 *K 2182*	**Eagle Nest Point (Split Point).**	38° 28.1′ S 144° 06.3′ E	**Fl.(4)W.R.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	218 **66**	W. **20** R. **16**	White concrete tower; 110.	R. 233°-249°, W.-039°, R.-048°.
7988 *K 2180*	Lorne, Loutit Bay, jetty, head.	38° 32.8′ S 143° 59.4′ E	**Fl.R.G.** period 5s fl. 1s, ec. 4s	25 **8**	6	Wooden mast; 13.	G. 158°24′-275°, R.-032°.
7992 *K 2176*	Apollo Bay Range, front.	38° 43.6′ S 143° 42.4′ E	**Fl.W.R.** period 3s	111 **34**	5	White mast on pyramid; 13.	W. 257°-354°, R.-009°, W.-020°, R.-257°.
7996 *K 2176.1*	-Rear, 0.58 mile 017°50′ from front.	38° 43.0′ S 143° 42.7′ E	**F.G.**	374 **114**	12	Neon triangular daymark point down.	
	APOLLO BAY:						
8000 *K 2177*	-E. breakwater, head.	38° 45.4′ S 143° 40.7′ E	**Iso.W.** period 2s	26 **8**	7	Column; 13.	
8004 *K 2177.5*	-Range, front.	38° 46.0′ S 143° 40.0′ E	**F.G.**	29 **9**	2	Post, vertical strip light; 10.	
8008 *K 2177.51*	--Rear, 211°31′ from front.	38° 45.7′ S 143° 40.4′ E	**F.G.**	41 **12**	2	Post, vertical strip light; 10.	
8012 *K 2172*	**Cape Otway.**	38° 51.4′ S 143° 30.7′ E	**Fl.W.R.** period 10s fl. 0.1s, ec. 9.9s	239 **73**	W. **19** R. **15**	White fiberglass hut; 7.	W. 257°-109°, R.-140°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
	WARRAMBOOL HARBOR:						
8016 *K 2158*	-Lady Bay Range, front.	38° 23.4′ S 142° 29.1′ E	**Iso.Bu.** period 2s	87 **27**	5	White stone tower; 16.	
8020 *K 2158.1*	--Rear, 130 meters 009° from front.	38° 23.4′ S 142° 29.1′ E	**Iso.Bu.** period 6s	109 **33**	5	White stone structure; 16.	
8024 *K 2162*	-Breakwater, head.	38° 24.1′ S 142° 28.8′ E	**Fl.R.G.** period 3s fl. 0.5s, ec. 2.5s	26 **8**	2	Metal column; 26.	G. 160°-340°, R.-056°.
	PORT FAIRY:						
8028 *K 2146*	-Griffith Island, E. point.	38° 23.5′ S 142° 15.3′ E	**Fl.(2)W.** period 10s	41 **12**	4	White round stone tower; 36.	Visible 170°-069°.
	-Moyne River:						
8032 *K 2150*	--S. mole, head.	38° 23.3′ S 142° 15.1′ E	**Fl.W.R.** period 3s	20 **6**	W. 3 R. 1	Iron column; 15.	W. 028°30′-208°30′, R.-316°.
8034 *K 2151*	--N. mole, head.	38° 23.3′ S 142° 15.0′ E	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	15 **5**	1	Metal column; 16.	
8036 *K 2152*	-Martins Point.	38° 23.4′ S 142° 14.6′ E	**F.R.**	18 **5**	3	Metal column; 13.	
	PORTLAND BAY:						
8048 *K 2138*	**-Whaler Point.**	38° 20.2′ S 141° 36.5′ E	**Fl.(3)W.R.** period 30s fl. 1s, ec. 3.5s fl. 1s, ec. 3.5s fl. 1s, ec. 20s	135 **41**	**15**	White stone tower; 39.	W. 236°-297°, R.-317°.
8052 *K 2139*	-Main breakwater, head.	38° 20.7′ S 141° 37.5′ E	**Q.R.**	72 **22**	5	Round concrete tower, green diagonal stripes.	
8056 *K 2140*	-Lee breakwater, head.	38° 20.7′ S 141° 37.2′ E	**Fl.G.** period 4s fl. 1s, ec. 3s	43 **13**	2		
8058 *K 2141*	-W.	38° 21.2′ S 141° 37.1′ E	**F.W.G.**	138 **42**	5	On building.	G. 181°54′-197°48′, W.-201°54′.
8058.1 *K 2141.2*	-E.	38° 21.2′ S 141° 37.1′ E	**F.W.R.**	138 **42**	5	On building.	W. 193°42′-197°48′, R.-213°42′.
8060 *K 2142*	-Marina Pier, head.	38° 20.9′ S 141° 36.7′ E	**Iso.R.** period 2s	21 **6**	5	Mast; 13.	
8064 *K 2136*	**Cape Nelson.**	38° 25.8′ S 141° 32.6′ E	**Fl.(4)W.** period 20s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 11.8s	246 **75**	**20**	White stone tower, red cupola, lantern; 105.	Visible 253°-107°.
8068 *K 2133*	Port MacDonnell Range, front.	38° 03.4′ S 140° 42.4′ E	**F.Bu.**	40 **12**	8	Mast, triangular daymark point up.	
8072 *K 2133.1*	-Rear, 239 meters 306°56′ from front.	38° 03.1′ S 140° 42.2′ E	**F.Bu.**	72 **22**	8	Water tower, triangular daymark point down.	
8074 *K 2134*	-Breakwater, head.	38° 03.7′ S 140° 42.0′ E	**Fl.R.** period 3s	33 **10**	4		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8076 *K 2132*	**Cape Northumberland.**	38° 03.3′ S 140° 40.0′ E	**Fl.W.** period 5s fl. 0.2s, ec. 4.8s	147 **45**	**20**	White masonry tower, red band, lantern; 56.	
			Fl.R. period 10s fl. 2s, ec. 8s	138 **42**	14		Visible 277°-280°.
8080 *K 2130*	**Cape Banks.**	37° 53.8′ S 140° 22.6′ E	**Fl.(2)W.** period 10s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 6.5s	83 **25**	**18**	Orange round stone tower, white lantern; 46.	F.W. on radio tower 015°, 18.2 miles.
8084 *K 2129*	Cape Buffon, NW. extremity.	37° 34.0′ S 140° 06.5′ E	**Fl.W.R.** period 2.5s	50 **15**	W. 8 R. 3	White metal column; 7.	W. 059°-079°, R.-089°, W.-111°, R.-059°.
8088 *K 2129.4*	-Jetty, head.	37° 35.0′ S 140° 07.0′ E	**Fl.W.** period 1.5s	23 **7**	5		
8092 *K 2126*	**Cape Martin.**	37° 29.4′ S 140° 00.8′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	126 **38**	**16**	White square concrete tower, lantern; 49.	
8096 *K 2128*	Beachport Jetty, Rivoli Bay.	37° 30.0′ S 140° 01.0′ E	**Fl.W.R.** period 4s	25 **8**	W. 6 R. 4	Round metal tower.	R. 193°-001°, W.-013°.
8100 *K 2122.8*	**Robe.**	37° 09.9′ S 139° 44.7′ E	**Fl.(3)W.** period 10s fl. 0.1s, ec. 1.6s fl. 0.1s, ec. 1.6s fl. 0.1s, ec. 6.5s	208 **63**	**20**	White concrete tower, lantern; 62.	Visible 323°-242°. Unintensified 189°-242°.
8104 *K 2123*	Cape Dombey.	37° 09.0′ S 139° 45.0′ E	**Fl.W.** period 2s		8		Visible 036°-306°.
8108 *K 2124*	Robe, on Cape Dombey.	37° 10.0′ S 139° 46.0′ E	**Fl.W.R.** period 4s		7	Red triangular topmark point up.	R. 121°-141°, W.-151°, R.-241°.
8112 *K 2122.1*	Margaret Brock Reef.	36° 57.1′ S 139° 35.7′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	56 **17**	10	White fiberglass hut, platform, white pile; 43.	**Radar reflector.**
8116 *K 2121*	-Jetty, head.	36° 56.0′ S 139° 41.0′ E	**Fl.W.** period 1.5s	21 **6**	5		
8120 *K 2120*	Lacepede Bay, jetty, head.	36° 49.5′ S 139° 50.8′ E	**Fl.W.R.** period 3s fl. 0.3s, ec. 2.7s	35 **11**	10	Round metal tower.	R. 126°12′-132°12′ (over ruins of outer end of jetty), W. 132°12′-126°12′.
8124 *K 2118*	Murray River, Mundoo Island, inside mouth of river.	35° 33.0′ S 138° 54.0′ E	**Fl.W.** period 7.5s	25 **8**	5	Column, piles.	
8128 *K 2116*	Victor Harbor, E. end of Granite Island.	35° 33.8′ S 138° 38.1′ E	**Fl.W.R.** period 4s	125 **38**	W. 8 R. 6	Round tower.	W. 360°-310°, R.-360°.
8132 *K 2117*	-Jetty, head.	35° 33.8′ S 138° 38.1′ E	**Q.W.R.**	29 **9**	3		W. 088°-260°, R.-310°.
	KANGAROO ISLAND:						
8136 *K 2112*	-Cape Willoughby.	35° 50.6′ S 138° 08.0′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	246 **75**	11	White round stone tower, lantern; 85.	Visible 171°-050°. Reserve light range 19M.
8144 *K 2012*	-Point Ellen.	35° 59.8′ S 137° 11.1′ E	**Fl.W.** period 4s	40 **12**	5		
8148 *K 2010*	**-Cape du Couedic.**	36° 03.5′ S 136° 42.2′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	339 **103**	**15**	Round masonry tower, red dome, white lantern; 82.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8152 *K 2008*	**-Cape Borda.**	35° 45.2′ S 136° 35.6′ E	**Fl.(4)W.** period 20s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 11.8s	510 **155**	**21**	White square stone tower, lantern; 33.	Visible 039°-241°.
8156 *K 2093*	-Emu Bay, jetty.	35° 35.5′ S 137° 30.4′ E	**Fl.W.R.** period 4s	26 **8**	8		W. 164°-247°, R.-164°.
8160 *K 2094*	**-Point Marsden.**	35° 34.1′ S 137° 37.2′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	279 **85**	**17**	Red beacon, white fiberglass hut.	Visible 094°-348°.
8164 *K 2096*	-On edge of shoal E. of Beatrice Island.	35° 38.4′ S 137° 41.7′ E	**Fl.W.R.** period 4s	23 **7**	W. 8 R. 5	Green beacon, green triangular daymark point up.	W. 147°-339°, R.-005°.
8168 *K 2097*	-Beacon, about 4.1 km 107°30′ from Kingscote Jetty Light.	35° 40.0′ S 137° 41.2′ E	**Fl.W.R.** period 2s	13 **4**	W. 8 R. 6	Pile beacon.	W. 210°-110°, R.-210°.
8172 *K 2098*	-Kingscote Jetty, head.	35° 39.3′ S 137° 38.8′ E	**Q.W.**		9		
8188 *K 2095*	-Kingscote AVIATION LIGHT.	35° 42.5′ S 137° 30.9′ E	**Fl.W.** period 6s				Occasional.
8196 *K 2104*	-American River Approach.	35° 46.7′ S 137° 47.9′ E	**Fl.W.** period 4s		9	Pile, red square daymark.	
	-Backstairs Passage:						
8200 *K 2106*	--Hog Bay.	35° 43.0′ S 137° 56.7′ E	**Fl.G.** period 2s fl. 0.2s, ec. 1.8s	39 **12**	4	Metal column.	Visible 095°-275°.
8208 *K 2110*	--Cape St. Alban.	35° 48.2′ S 138° 07.5′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	156 **48**	14	White masonry tower, lantern; 30.	Visible 118°-005° (until obscured by Cape Willoughby).
8212 *K 2114*	**South Page.**	35° 46.6′ S 138° 17.5′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	89 **27**	**19**	Metal framework tower, white fiberglass hut; 23.	
			Iso.R. period 2s	85 **26**	10		Visible 105°-120° over Yatala Shoal.
	RACON		**O(– – –)**		11		(3 & 10cm).
	GULF ST. VINCENT:						
8216 *K 2092*	**-Cape Jervis.**	35° 36.2′ S 138° 05.7′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	75 **23**	**16**	White concrete tower, white lantern; 59.	Visible 000°-207°.
8220 *K 2092.4*	--Boat Harbor Jetty, head.	35° 37.0′ S 138° 06.0′ E	**Fl.W.R.** period 2s	18 **5**	5		R. 345°-029°, W.-065°, R.-216°.
8223 *K 2091.1*	-Wirrina Cove Range, front.	35° 30.1′ S 138° 14.4′ E	**F.Bu.**		3		
8223.1 *K 2091.13*	--Rear, 50 meters 181°24′ from front.	35° 30.1′ S 138° 14.4′ E	**F.Bu.**		3		
8226 *K 2089.4*	-O′Sullivan Beach Boat harbor, W. side.	35° 07.1′ S 138° 28.0′ E	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s		2		
8226.1 *K 2089.5*	--E. side.	35° 07.2′ S 138° 27.9′ E	**Fl.R.** period 4s fl. 0.5s, ec. 3.5s		2		

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			AUSTRALIA-SOUTH COAST				
	PORT STANVAC:						
8228 *K 2088*	-Oil Jetty.	35° 06.4′ S 138° 27.9′ E	**F.W.G.**				G. 000°-180°, W.-000°.
8244 *K 2087*	**-Marino Rocks.**	35° 03.2′ S 138° 30.7′ E	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	420 **128**	**20**	White concrete tower, lantern; 49.	
	GLENELG:						
8248 *K 2083.2*	-S. end of breakwater ruins, off Glenelg.	34° 58.8′ S 138° 30.2′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
8252 *K 2083*	-N. end of breakwater ruins, off Glenelg.	34° 58.7′ S 138° 30.2′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	2 F.R. on towers 10.2M E. and 7.5M S.
8256 *K 2084*	-Glenelg, S. breakwater.	34° 58.5′ S 138° 30.6′ E	**Fl.G.** period 2s	13 **4**	3	STARBOARD (A) G, beacon, topmark.	
8260 *K 2081*	--AVIATION LIGHT.	34° 56.8′ S 138° 31.5′ E	**Al.Fl.W.G.** period 3.5s	50 **15**	**27**		Occasional.
8264 *K 2078*	-Grange Point, intake.	34° 53.8′ S 138° 28.9′ E	**Fl.(2)W.** period 6s	22 **7**	7	Beacon.	Marks seaward extremity of water intake structure.
8268 *K 2056.4*	North Haven, S. breakwater, head.	34° 47.7′ S 138° 28.9′ E	**Fl.G.** period 2s		5		
8270 *K 2056.6*	-N. breakwater, head.	34° 47.7′ S 138° 28.9′ E	**Fl.R.** period 2s		5		
	PORT ADELAIDE:						
8272 *K 2055.01*	-Entrance beacon.	34° 46.8′ S 138° 22.5′ E	**Q.W.**		10	Beacon, square daymark.	
8274 *K 2055.2*	--Channel beacon No 7.	34° 47.3′ S 138° 25.2′ E	**Fl.G.** period 2s			STARBOARD (A) G, beacon, topmark.	
8276 *K 2055.6*	---No 11.	34° 47.6′ S 138° 26.6′ E	**Fl.G.** period 2s			Beacon, orange triangular daymark point up.	
	-No 2 Outward Range, front.		**F.Bu.**				Visible 250°42′-264°42′.
8280 *K 2055.61*	--Rear, 600 meters 257°42′ from front.	34° 47.6′ S 138° 26.3′ E	**Fl.W.** period 4s			Beacon, triangular daymark point down.	Visible 250°42′-264°42′.
			F.Bu.				Visible 250°42′-264°42′.
8284 *K 2055.8*	-No 13.	34° 47.6′ S 138° 26.9′ E	**Fl.G.** period 2s			Beacon, orange triangular daymark point up.	
	-No 1 Inward Range, front, 281°18′ from common rear.		**F.Bu.**				Visible 094°18′-108°18′.
8286 *K 2055.82*	---No 15.	34° 47.5′ S 138° 27.4′ E	**Fl.G.** period 2s			Beacon, orange triangular daymark point up.	
	-No 3 Outward Range, front, 060°24′ from common rear.		**F.Bu.**				Visible 233°24′-247°24′.
8288 *K 2055.81*	---No 7.	34° 47.6′ S 138° 27.2′ E	**Fl.W.** period 4s				
	--No 1 Inward and No. 3 Outward common rear.		**F.Bu.**			Beacon, orange triangular daymark point down.	Visible 094°18′-108°18′ and 233°24′-247°24′.
8298 *K 2056.2*	-No 4.	34° 47.3′ S 138° 27.7′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8300 *K 2057*	-No 2 Inward Range, front.	34° 47.3′ S 138° 28.0′ E	**F.Bu.**	23 **7**		Beacon, orange triangular daymark point up.	Visible 070°42′-084°42′.
	-Southern revetment mound.		**Q.W.**	16 **5**			
8302 *K 2059.4*	---No 17.	34° 47.1′ S 138° 28.5′ E	**Fl.G.** period 2s	16 **5**		Beacon, orange triangular daymark point up.	
	--Outward Range, front.		**F.Bu.**	16 **5**			Visible 203°-217°.
8304 *K 2057.1*	--No 2 Inward rear, 664 meters 077°42′ from front.	34° 47.3′ S 138° 28.4′ E	**F.Bu.**	49 **15**		Beacon, orange triangular daymark point down.	Visible 070°42′-084°42′.
	--Outward rear, 390 meters 210° from front.		**F.Bu.**	30 **9**			Visible 203°-217°.
8308 *K 2058.5*	-NW. Revetment Mound, head.	34° 47.0′ S 138° 28.2′ E	**Q.R.**				
8312 *K 2058.3*	-Channel beacon No 6.	34° 47.0′ S 138° 28.3′ E	**Fl.R.** period 2s	20 **6**		PORT (A) R, beacon, topmark.	
8316 *K 2058*	-No 3 Inward Range, front.	34° 46.9′ S 138° 28.8′ E	**F.Bu.**	30 **9**		Beacon, orange triangular daymark point up.	F.W. by day.
8320 *K 2058.1*	--Rear, 256 meters 060°24′ from front.	34° 46.8′ S 138° 28.9′ E	**F.Bu.**	36 **11**		Beacon, orange triangular daymark point down.	F.W. by day.
8324 *K 2059.6*	-Channel beacon No 18A.	34° 46.2′ S 138° 29.0′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
8325 *K 2059.61*	--No 18B.	34° 46.1′ S 138° 29.0′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
8328 *K 2059.7*	--No 18C.	34° 46.0′ S 138° 29.1′ E	**Q.R.**			PORT (A) R, beacon, topmark.	
8332 *K 2059*	-No 4 Inward Range, front.	34° 45.9′ S 138° 29.3′ E	**F.Bu.**	16 **5**		Beacon, orange triangular daymark point up.	Visible 023°-037°.
8336 *K 2059.1*	--Rear, 655 meters 029°59′ from front.	34° 45.6′ S 138° 29.6′ E	**F.Bu.**	26 **8**		Beacon, orange triangular daymark point down.	Visible 023°-037°.
8337 *K 2061.69*	-Container Berth Range, front.	34° 45.9′ S 138° 29.8′ E	**Iso.W.** period 4s			Beacon.	
8337.1 *K 2061.7*	--Rear, 565 meters 050°36′ from front.	34° 45.8′ S 138° 29.9′ E	**Fl.G.** period 2s			STARBOARD (A) G, beacon, topmark.	
8338 *K 2059.8*	-Channel beacon No 20.	34° 45.9′ S 138° 29.4′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
8338.5 *K 2061.4*	--No 22.	34° 45.8′ S 138° 29.6′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
8339 *K 2061*	--No 21.	34° 45.9′ S 138° 29.7′ E	**Fl.G.** period 2s			STARBOARD (A) G, beacon, topmark.	
8339.5 *K 2062.5*	--No 26.	34° 45.6′ S 138° 30.3′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
8340 *K 2052*	--Barker Reach.	34° 47.2′ S 138° 32.6′ E	**Fl.G.** period 4s			Beacon, black diamond daymark, white bands.	
8341 *K 2051.3*	-Barker Inlet.	34° 45.1′ S 138° 31.0′ E	**Fl.W.R.** period 2s	28 **9**	6	Beacon.	R. 070°-106°, W.-335°.
8342 *K 2051*	-Point Grey, No 1R.	34° 45.0′ S 138° 31.2′ E	**V.Q.(6)+L.Fl.W.** period 10s	30 **9**	6	S. CARDINAL YB, beacon, topmark.	
8344 *K 2050*	-About 7.3 km 165° from Port Gawler Wharf.	34° 44.1′ S 138° 27.9′ E	**Fl.** period 5s		5	Beacon.	
8348.5 *K 2048.5*	-Long Spit.	34° 35.9′ S 138° 05.5′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	30 **9**	10	White fiberglass hut, white pile, platform.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8350 *K 2045*	-Port Wakefield Range, front.	34° 11.3′ S 138° 08.7′ E	**F.G.**				
8350.5 *K 2045.1*	--Rear, 45 meters 025° from front.	34° 11.2′ S 138° 08.8′ E	**F.R.**				
8351 *K 2044.1*	-Sandy Point.	34° 16.3′ S 138° 09.9′ E	**Fl.Y.** period 3s			SPECIAL Y, beacon, "X" topmark.	Prohibited area marked by numerous lighted Special beacons close SSE.
8352 *K 2044*	-Bird Bank.	34° 16.4′ S 138° 01.4′ E	**Fl.W.** period 2.4s	11 **3**	8	Pile.	
8355 *K 2041*	Ardrossan.	34° 26.1′ S 137° 55.9′ E	**Q.W.**	16 **5**	5	Beacon.	
8356 *K 2042*	-Jetty, head.	34° 25.5′ S 137° 55.5′ E	**F.W.**	15 **5**	5	Iron column.	
8357 *K 2039*	-Loading Jetty Range, front.	34° 26.5′ S 137° 54.9′ E	**F.R.**				
8358 *K 2039.1*	--Rear, 580 meters 247°24′ from front.	34° 26.6′ S 137° 54.5′ E	**F.R.**				
8359 *K 2040*	-Boat Ramp Range, front.	34° 26.1′ S 137° 55.0′ E	**F.Bu.**				
8360 *K 2040.1*	--Rear, 50 meters 292°04′ from front.	34° 26.1′ S 137° 55.0′ E	**F.Bu.**				
	PORT VINCENT:						
8368 *K 2034*	--Middle Spit.	34° 45.3′ S 137° 54.2′ E	**Fl.W.** period 2s	20 **6**	8	Square tower, piles.	
8370 *K 2030*	--Orontes Bank.	34° 45.4′ S 138° 00.5′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 **11**	10	White fiberglass hut, wooden pile tripod; 36.	**Radar reflector.**
8372 *K 2036*	--Range, front.	34° 46.7′ S 137° 51.7′ E	**F.Bu.**	15 **5**	6		
8376 *K 2036.1*	---Rear, 53 meters 206° from front.	34° 46.7′ S 137° 51.7′ E	**F.Bu.**	23 **7**		Wooden mast.	
8384 *K 2028*	--Breakwater, head.	34° 54.2′ S 137° 47.9′ E	**Fl.R.** period 2s		4		
8388 *K 2025.4*	-Giles Point, jetty.	35° 01.3′ S 137° 46.1′ E	**Fl.W.** period 3s	60 **18**	10		
8392 *K 2025*	--Off Giles Point.	35° 01.0′ S 137° 52.1′ E	**Fl.W.R.** period 4s	15 **5**	W. 10 R. 6		R. 122°-246°, W.-122°.
8396 *K 2025.3*	-Tapley Shoal, N. end.	35° 01.6′ S 137° 55.2′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	36 **11**	9	White fiberglass hut, pile structure; 33.	**Radar reflector.**
8400 *K 2024*	-Edithburgh jetty.	35° 05.1′ S 137° 45.0′ E	**Fl.W.R.** period 1.5s	24 **7**	9	Iron column.	R. 196°-224°, W.-337°.
	INVESTIGATOR STRAIT:						
8404.5 *K 2023*	-Marion Reef.	35° 09.2′ S 137° 49.0′ E	**Fl.W.** period 7.5s fl. 1s, ec. 6.5s	39 **12**	10	White fiberglass hut, white pile, platform.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8406 *K 2020*	**-Troubridge Hill.**	35° 10.0′ S 137° 38.4′ E	**Fl.(3)W.** period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	203 **62**	**19**	Red brick tower, lantern; 108.	Reserve light range 11M.
	-RACON		**K(– • –)**		**21**		(3 & 10cm).
8408 *K 2000*	-Althorpe Islands Range, front.	35° 22.1′ S 136° 51.5′ E	**Oc.W.R.G.** period 14s lt. 11s, ec. 3s	282 **86**	W. 12 R. 9 G. 9	White brick hut; 7.	R. 116°-154°, W.-160°, G.-189°, W.-296°.
8412 *K 2000.1*	--Rear, 390 meters 157° from front.	35° 22.3′ S 136° 51.6′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	351 **107**	**19**	White round stone tower, lantern; 66.	
	SPENCER GULF:						
8416 *K 2003*	**-Cape Spencer.**	35° 18.0′ S 136° 53.0′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	256 **78**	**16**	Square white tower, lantern; 30.	Visible 256°-122°.
			F.R.	256 **78**	11		Visible 065°-095°.
8420 *K 2002*	-West Cape.	35° 14.7′ S 136° 49.4′ E	**Fl.(2)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	220 **67**	12	Round metal tower, white lantern; 30.	Visible 333°-195°.
8424 *K 2001*	-Pondolowie Bay.	35° 14.0′ S 136° 50.0′ E	**Fl.W.R.** period 3s	60 **18**	5		R. 016°-067°, W.-151°, R.-227°.
8428 *K 1870*	**-Wedge Island.**	35° 10.4′ S 136° 29.2′ E	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	676 **206**	**17**	Square gray concrete tower, white lantern; 20.	
8432 *K 1996*	**-Corny Point.**	34° 53.8′ S 137° 00.7′ E	**Fl.(4)W.R.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	98 **30**	W. **16** R. 13	White round stone tower, lantern; 49.	R. 029°-054°, W.-249°.
8436 *K 1995*	-Souttar Point.	34° 53.2′ S 137° 12.4′ E	**Fl.W.R.** period 2s	20 **6**	W. 9 R. 3	Pile beacon.	W. 213°-033°, R.-213°.
8440 *K 1994*	-Port Turton.	34° 55.9′ S 137° 21.2′ E	**Fl.W.** period 4s	22 **7**	5	White wooden mast.	Visible 134°-250°.
8444 *K 1986*	-Wardang Island, summit.	34° 30.0′ S 137° 20.7′ E	**Fl.(3)W.R.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	111 **34**	W. 10 R. 7	White fiberglass hut; 13.	R. 211°-259°, W.-211°.
8445 *K 1988*	-Port Victoria.	34° 29.7′ S 137° 28.8′ E	**Fl.W.R.** period 2s	30 **9**	W. 9 R. 7		W. 036°-064°, R.-113°, W.-166°.
8448 *K 1982*	-Tiparra Reef, on S. side.	34° 04.0′ S 137° 23.7′ E	**Fl.** period 5s		2		
8450 *K 1980*	**-Warburto Point.**	34° 00.4′ S 137° 33.0′ E	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	118 **36**	**18**	White fiberglass hut, red metal framework tower; 105.	
			Iso.R. period 5s	89 **27**	14		Visible 061°-081°.
	-Wallaroo Bay:						
8456 *K 1974*	--Channel Entrance Beacon.	33° 54.4′ S 137° 33.3′ E	**Fl.W.** period 2s		4	STARBOARD (A) G, beacon, topmark.	
8460 *K 1978*	--New jetty, head.	33° 56.0′ S 137° 37.0′ E	**F.G.**	24 **7**	1	White metal tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8464 *K 1973*	--Range, front.	33° 55.9′ S 137° 36.9′ E	**F.Bu.**			White triangular daymark point up, black border; 49.	F.W. by day.
8468 *K 1973.1*	---Rear, 305 meters 120°30′ from front.	33° 55.9′ S 137° 37.1′ E	**F.Bu.**			White triangular daymark point down, black border; 56.	F.W. by day.
8470 *K 1930.3*	-Middle Bank, S. edge.	33° 44.0′ S 137° 29.8′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	36 **11**	10	Metal structure, white lantern; 36.	
	-RACON		**M(– –)**		9		(3 & 10cm).
8471 *K 1930.5*	-Plank Shoal.	33° 29.9′ S 137° 28.6′ E	**Fl.(2)W.** period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	39 **12**	10	White fiberglass hut, metal column; 39.	**Radar reflector.**
8472 *K 1930.3*	-Middle Bank.	33° 37.0′ S 137° 32.7′ E	**Fl.(4)W.** period 20s	36 **11**	10	Metal framework tower, white lantern; 36.	
	-RACON		**M(– –)**		9		(3 & 10cm).
8476 *K 1970*	-Port Broughton.	33° 33.6′ S 137° 52.7′ E	**Fl.W.** period 5s		5		
8477 *K 1971*	-Fisherman Bay.	33° 32.0′ S 137° 53.2′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	
8481 *K 1931.1*	-Yarraville Shoals.	33° 17.0′ S 137° 35.0′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	36 **11**	10	White fiberglass hut, white pile, platform, white rectangular daymark.	**Radar reflector.**
8482 *K 1931.6*	-Western Shoal.	33° 11.2′ S 137° 32.0′ E	**Fl.(2)W.** period 6s			ISOLATED DANGER BRB, beacon, topmark.	
8484 *K 1955*	-Eastern Shoal, S. end.	33° 09.9′ S 137° 43.6′ E	**Q.(6)+L.Fl.W.** period 15s	16 **5**	5	S. CARDINAL YB, beacon, topmark.	
8488 *K 1956*	--N. end.	33° 04.5′ S 137° 48.0′ E	**Q.W.**	16 **5**	5	N. CARDINAL BY, beacon, topmark.	
8492 *K 1957*	-Ward Spit.	33° 02.7′ S 137° 49.5′ E	**Fl.R.** period 4s	21 **6**	5	Three-pile beacon.	**Radar reflector.**
8493 *K 1958*	--S.	33° 02.7′ S 137° 52.7′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
8494 *K 1961*	--Beacon.	33° 02.4′ S 137° 57.9′ E	**Q.R.**			PORT (A) R, beacon, topmark.	
8495 *K 1961.5*	--Beacon.	33° 02.8′ S 137° 58.3′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	
8496 *K 1963*	-Port Pirie.	33° 03.3′ S 137° 58.1′ E	**Q.W.**				
8500 *K 1963.2*	--No 1.	33° 03.6′ S 137° 58.2′ E	**Q.G.**	10 **3**		STARBOARD (A) G, beacon, topmark.	
8504 *K 1963.3*	--No 2.	33° 03.6′ S 137° 58.2′ E	**Q.R.**			PORT (A) R, beacon, topmark.	Channel is marked by R. and G. lighted beacons.
8508 *K 1960*	-Cockle Spit, N. edge.	33° 03.3′ S 137° 56.3′ E	**Q.W.**	16 **5**	8	N. CARDINAL BY, beacon, topmark.	**Radar reflector.**
8512 *K 1962*	--Germein, jetty, head.	33° 02.2′ S 137° 59.5′ E	**Fl.W.R.** period 4s	25 **8**	W. 10 R. 3	White metal tower.	R. 357°-073°, W.-085°. Tide signal.
8514 *K 1963.15*	-Mt. Ferguson.	33° 06.3′ S 138° 01.7′ E	**F.Y.**	144 **44**	8		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
	-Port Augusta:						
8518 *K 1950*	--Approach Channel, No 4.	32° 44.9′ S 137° 49.0′ E	**Q.(3)W.** period 10s	20 **6**		E. CARDINAL B, beacon, topmark.	
8522 *K 1952*	---No 9.	32° 39.0′ S 137° 46.1′ E	**Q.(9)W.** period 15s			Beacon, two triangular daymarks points together.	
8524 *K 1948*	-Point Lowly.	33° 00.0′ S 137° 47.1′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	75 **23**	7	White round stone tower; 82.	
8526 *K 1948.2*	--Breakwater.	32° 59.5′ S 137° 47.0′ E	**Fl.R.** period 5s		5	PORT (A) R, beacon, topmark.	
	-Whyalla:						
8532 *K 1936*	--Hummock Hill Range, front, about 256 meters northward of Whyalla Jetty Light.	33° 02.2′ S 137° 36.0′ E	**Iso.Bu.** period 2s	36 **11**		Tower, white triangular daymark point up.	
8536 *K 1936.1*	---Rear, 1,666 meters 251° from front.	33° 02.3′ S 137° 35.5′ E	**Iso.Bu.** period 6s	59 **18**			
8540 *K 1940*	--Range, front.	33° 00.8′ S 137° 35.3′ E	**F.R.**	79 **24**		Beacon, neon triangular daymark point up.	F.W. by day.
8544 *K 1940.1*	---Rear, 450 meters 306°36′ from front.	33° 00.6′ S 137° 35.1′ E	**F.R.**	183 **56**		Tower, black neon rectangular daymark; 43.	2 F.W. (vert.) by day.
8548 *K 1935.3*	--New Channel, No 1.	33° 02.4′ S 137° 37.7′ E	**F.Fl.W.** period 4s			Pile beacon, green triangular daymark point up.	Channel marked by lighted beacons F.Fl.G. 4s, F.G. and F.Fl.R. 4s. **Aero Radiobeacon** 5.3 miles WSW.
8552 *K 1935*	--New Channel Range, No 2, front.	33° 02.1′ S 137° 35.7′ E	**F.Bu.**	49 **15**			
8556 *K 1935.1*	---Rear, 402 meters 280° from front.	33° 02.1′ S 137° 35.6′ E	**F.Bu.**	82 **25**			
8557 *K 1945*	--Marina, S. breakwater, head.	33° 02.4′ S 137° 35.7′ E	**Fl.R.** period 2s	30 **9**	2		
8557.2 *K 1945.2*	---N. breakwater, head.	33° 02.4′ S 137° 35.6′ E	**Fl.G.** period 2s	30 **9**	2		
8560 *K 1929*	**-Shoalwater Point.**	33° 39.6′ S 137° 12.9′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	56 **17**	**15**	White metal column; 49.	Visible 209°-058°. **Radar reflector.**
8564 *K 1902*	-Germein Point, SE. of point.	33° 45.3′ S 136° 59.3′ E	**Q.W.**	13 **4**	10	Post.	
	-Franklin Harbor:						
8568 *K 1904*	--Entrance Range, front.	33° 43.9′ S 136° 58.4′ E	**Fl.W.** period 3s			Beacon, red triangular daymark point up.	
			F.Bu.				
8572 *K 1904.01*	---Rear, 180 meters 330° from front.	33° 43.8′ S 136° 58.3′ E	**F.Bu.**			Beacon, triangular daymark point down.	
8576 *K 1908*	--Beacon No 6, W. of Entrance Island Range, front.	33° 44.0′ S 136° 57.0′ E	**F.Bu.**			Pile beacon, red square topmark.	
			Fl.R. period 2s				
8580 *K 1908.01*	---Rear, 180 meters 277°36' from front No 6.	33° 43.8′ S 136° 58.3′ E	**F.Bu.**			Pile beacon.	
8584 *K 1910*	--No 11.	33° 43.0′ S 136° 57.0′ E	**Fl.G.** period 2s			STARBOARD (A) G, beacon, topmark.	
			F.Bu.				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8588 *K 1910.01*	---Rear, 023°54′ from front.	33° 42.6′ S 136° 57.7′ E	**F.Bu.**			Beacon.	
8592 *K 1910.3*	--No 15.	33° 32.0′ S 136° 57.0′ E	**Fl.G.** period 2s			STARBOARD (A) G, beacon, topmark.	
			F.Bu.				
8600 *K 1914*	--Cowell Jetty No 9.	33° 41.3′ S 136° 56.1′ E	**Fl.R.** period 1.5s			PORT (A) R, beacon, topmark.	Harbor marked by lights and light beacons.
8604 *K 1892*	-Tumby Bay, jetty, head.	34° 22.7′ S 136° 06.4′ E	**Q.W.R.**	20 **6**	6	White wooden mast.	W. 251°-302°, R.-353°.
8608 *K 1890*	-Winceby Island, summit.	34° 29.4′ S 136° 17.0′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	49 **15**	10	White fiberglass tower; 20.	
8612 *K 1889*	-Bolingbroke Point.	34° 32.4′ S 136° 05.5′ E	**Fl.(4)W.R.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	63 **19**	W. 9 R. 7	White fiberglass hut.	W. 211°-019°, R.-029° over Berlin Rock, W. 029°-112°30′.
8616 *K 1879*	**-Point Boston.**	34° 38.9′ S 135° 56.2′ E	**Fl.W.R.G.** period 2s	40 **12**	W. **15** R. 12 G. 12	Iron skeleton tower.	W. 040°-189°, R.-247°, W.-280°, G.-288°, W.-302°, R.-324°, W.-348°, R.-040°.
	-Boston Bay:						
8620 *K 1879.2*	--Entrance.	34° 39.7′ S 135° 54.7′ E	**Fl.W.R.** period 4s		W. 6 R. 4		W. 260°-269°, R.-260°.
8624 *K 1879.3*	--No 1.	34° 39.8′ S 135° 54.4′ E	**Q.W.G.**		W. 6 G. 4	STARBOARD (A) G, beacon, topmark.	W. 259°-268°, G.-259°.
8624.5 *K 1879.4*	--No 2.	34° 40.0′ S 135° 54.1′ E	**Fl.R.** period 2s				
8625 *K 1879.6*	--No 4.	34° 41.0′ S 135° 53.2′ E	**Fl.R.** period 4s				
8625.5 *K 1879.7*	--No 3.	34° 41.7′ S 135° 52.7′ E	**Fl.G.** period 2s				
8626 *K 1879.9*	--No 6.	34° 41.9′ S 135° 52.7′ E	**Fl.R.** period 2s				
8632 *K 1884*	--Jetty, head.	34° 42.8′ S 135° 52.2′ E	**Fl.(2)R.** period 8s	49 **15**	2		R. lights on radio tower 2.3 miles NW.
8636 *K 1888*	--Kirton Point, jetty.	34° 43.1′ S 135° 52.6′ E	**Q.W.R.**	27 **8**	W. 6 R. 3	Dolphin.	W. 088°-268°, R.-088°.
8640 *K 1885*	--Range, front.	34° 43.0′ S 135° 52.0′ E	**F.R.** (neon)	31 **9**		White triangular daymark point up.	Range marks the approach to berth No 5.
8644 *K 1885.1*	---Rear, about 46 meters 239°32′ from front.	34° 43.0′ S 135° 52.0′ E	**F.R.** (neon)	36 **11**		White triangular daymark point down.	
8648 *K 1881*	--Channel Beacon.	34° 44.6′ S 135° 55.2′ E	**Q.R.**	20 **6**	3	PORT (A) R, beacon, topmark.	
	-Porter Bay:						
8657 *K 1882*	--Entrance beacon.	34° 44.5′ S 135° 52.9′ E	**Fl.R.** period 1.5s		4	PORT (A) R, beacon, topmark.	
8658 *K 1882.2*	--S. beacon.	34° 44.6′ S 135° 52.6′ E	**Fl.R.** period 4s		5	PORT (A) R, beacon, topmark.	
8658.1 *K 1882.3*	--N. breakwater.	34° 44.5′ S 135° 52.7′ E	**Fl.G.** period 4s		5	STARBOARD (A) G, beacon, topmark.	
8659 *K 1882.5*	--Marina Range, front.	34° 44.6′ S 135° 52.4′ E	**F.Bu.**		3		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8659.1 *K 1882.51*	---Rear, 141 meters 261° from front.	34° 44.7′ S 135° 52.3′ E	**F.Bu.**		3		
8660 *K 1880*	-Boston Island, Fanny Point, S. point of island.	34° 44.0′ S 135° 55.8′ E	**Fl.W.** period 1.5s	25 **8**	4	Metal framework tower.	
8664 *K 1878*	**-Cape Donington.**	34° 43.6′ S 135° 59.6′ E	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	102 **31**	**18**	Gray four-sided concrete tower; 56.	
8668 *K 1876*	-Dangerous Reef.	34° 48.9′ S 136° 12.8′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	36 **11**	10	White fiberglass tower; 20.	
8672 *K 1874*	-Taylor Island.	34° 52.4′ S 136° 00.6′ E	**Fl.(2)W.R.G.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	250 **76**	W. 11 R. 7 G. 7	White fiberglass tower; 29.	G. 159°-187°, W.-244°, R.-271°, G.-298°, W.-304°, R.-339°, G.-355°, W.-001°, R.-159°.
8676 *K 1873*	-Williams Island.	35° 01.7′ S 135° 58.3′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	171 **52**	9	White fiberglass tower; 20.	Visible 284°-250°.
8680 *K 1872.5*	**-Thistle Island, Waterhouse Point.**	35° 03.6′ S 136° 12.1′ E	**Fl.W.** period 7.5s fl. 0.1s, ec. 7.4s	161 **49**	**18**	White fiberglass hut; 13.	
8684 *K 1878.5*	-Sibsey Island.	34° 38.8′ S 136° 11.0′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	85 **26**	10	White fiberglass hut; 6.	
8692 *K 1872*	**-South Neptune Island.**	35° 20.2′ S 136° 07.1′ E	**Fl.(3)W.** period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 13.3s	141 **43**	**17**	Red round brick tower; 16.	
	-RACON		**B(– • • •)**		**18**		(3 & 10cm).
8696 *K 1866*	**Whidbey Islands.**	34° 47.0′ S 135° 02.0′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	394 **120**	**17**	White fiberglass hut; 13.	
8700 *K 1861*	Point Sir Issac, NE. extremity.	34° 25.8′ S 135° 12.4′ E	**Fl.W.** period 2.4s	50 **15**	9		Visible 070°-295°.
8704 *K 1862*	-No 1.	34° 29.8′ S 135° 22.4′ E	**Fl.W.** period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by lighted beacons.
	WATERLOO BAY:						
8740 *K 1860*	-Port Elliston Range, front.	33° 38.4′ S 134° 52.6′ E	**F.Bu.**	18 **5**	2	Red column, white triangular daymark point up.	
8744 *K 1860.1*	--Rear, 365 meters 031°45′ from front.	33° 38.3′ S 134° 52.7′ E	**F.Bu.**	32 **10**	10	Red column, white triangular daymark point up.	
8748 *K 1858*	Flinders Island.	33° 40.9′ S 134° 31.6′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	220 **67**	11	White fiberglass hut; 13.	
8752 *K 1856*	**Pearson Islands.**	33° 57.4′ S 134° 15.7′ E	**Fl.(3)W.** period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	260 **79**	**17**	White fiberglass hut; 13.	Visible 023°-175°, 238°-313°, 322°-350° and 354°-013°.
	STREAKY BAY:						
8756 *K 1847*	**-Cape Bauer.**	32° 43.5′ S 134° 04.3′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	277 **84**	**16**	White fiberglass hut; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8760 *K 1850*	-South Channel, S. side.	32° 40.5′ S 134° 09.6′ E	**Fl.W.R.** period 3s	30 **9**	10	White metal pile.	W. 075°-305°, R.-075°.
8764 *K 1852*	-Point Gibson.	32° 44.2′ S 134° 14.0′ E	**Fl.W.R.** period 1.5s	17 **5**	10	White metal pile.	R. 126°-141°, W.-022°, R.-037°.
8768 *K 1854*	-Blanche Port, end of Flinder's jetty.	32° 48.0′ S 134° 13.0′ E	**Q.W.R.**	25 **8**	10	White iron column.	W. 175°-201°, R.-216°.
8772 *K 1818*	**St. Francis Island.**	32° 30.6′ S 133° 18.4′ E	**Fl.(4)W.** period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 10s	282 **86**	**17**	White fiberglass hut; 13.	
8776 *K 1820*	**Evans Island.**	32° 22.7′ S 133° 28.7′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	130 **40**	**17**	White fiberglass hut; 7.	
8780 *K 1842*	Decres Bay, Saint Peter Island.	32° 13.0′ S 133° 42.0′ E	**Fl.W.** period 3s		5	Beacon.	
	DENIAL BAY:						
	-Yatala Channel:						
8784 *K 1822*	--Entrance Beacon.	32° 11.8′ S 133° 34.7′ E	**Fl.W.R.G.** period 1.5s	25 **8**	W. 9 R. 2 G. 2	Black framework tower, pile structure, red square daymark.	W. 037°-046°, R.-226°, W.-248°, G.-037°.
8788 *K 1824*	--No 1.	32° 11.3′ S 133° 35.7′ E	**Fl.G.** period 2s		4	STARBOARD (A) G, beacon, topmark.	
8792 *K 1824.5*	--No 2.	32° 11.3′ S 133° 35.5′ E	**Oc.R.** period 6s			PORT (A) R, beacon, topmark.	
8796 *K 1838*	-Thevenard, jetty, head.	32° 09.0′ S 133° 38.0′ E	**Q.W.**	21 **6**	5	Red iron column.	Visible 020°-170°.
8800 *K 1841*	-Murat Bay, jetty head, W. side of bay.	32° 06.0′ S 133° 36.0′ E	**Fl.W.** period 4s	21 **6**	8	White iron column.	
8804 *K 1840*	--Jetty, head, E. side of bay.	32° 08.0′ S 133° 40.0′ E	**Fl.R.G.** period 3s	26 **8**	R. 6 G. 6	White metal column.	R. 050°-066°, G.-119°.
8806 *K 1841.5*	-Cape Vivonne.	32° 12.0′ S 133° 40.8′ E	**Fl.W.** period 1.5s	46 **14**	8		Visible 136°-148°.
8808 *K 1839*	**-Ceduna** AVIATION LIGHT.	32° 07.6′ S 133° 42.1′ E	**Fl.W.** period 10s	120 **37**	**26**	Steel tower; 50.	Shown on request.
8809 *K 1814*	Bandy Creek Boat Harbor, E. breakwater.	33° 50.1′ S 121° 56.0′ E	**Fl.(2)G.** period 4.5s		4		
8810 *K 1814.2*	-W. breakwater.	33° 50.2′ S 121° 56.0′ E	**Fl.(2)R.** period 4.5s		4		
8811.5 *K 1812*	Tanker jetty.	33° 51.3′ S 121° 54.6′ E	**Fl.W.R.** period 3s	26 **8**	7		W. 300°-315°, R.-300°.
8812 *K 1811*	Esperance Range, front.	33° 52.2′ S 121° 53.7′ E	**F.Bu.**	39 **12**	5		
8816 *K 1811.1*	-Rear, 210 meters 242°26′ from front.	33° 52.2′ S 121° 53.6′ E	**F.Bu.**	98 **30**	5		
8820.5 *K 1810.05*	-S. of breakwater.	33° 52.4′ S 121° 54.5′ E	**Fl.R.** period 5s		7		
8821 *K 1810.2*	--S. breakwater extension.	33° 52.0′ S 121° 54.5′ E	**Fl.(2)R.** period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	30 **9**	3	Pillar; 10.	
8822 *K 1811.3*	-Beacon No 1.	33° 51.9′ S 121° 54.3′ E	**Fl.G.** period 3s	23 **7**	5	STARBOARD (A) G, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8822.05 *K 1811.4*	--No 2.	33° 52.1′ S 121° 54.4′ E	**Fl.R.** period 3s	23 **7**	5	PORT (A) R, beacon, topmark.	
8822.1 *K 1811.5*	--No 3.	33° 51.9′ S 121° 54.2′ E	**Fl.G.** period 3s	23 **7**	5	STARBOARD (A) G, beacon, topmark.	
8822.15 *K 1811.55*	--No 4.	33° 52.0′ S 121° 54.3′ E	**Fl.R.** period 3s	23 **7**	5	PORT (A) R, beacon, topmark.	
8822.2 *K 1811.6*	--No 5.	33° 52.0′ S 121° 53.9′ E	**Fl.G.** period 3s	23 **7**	4	STARBOARD (A) G, beacon, topmark	
8824 *K 1809*	Cull Island.	33° 55.3′ S 121° 54.3′ E	**Fl.(4)W.** period 16s	312 **95**	11	White fiberglass hut; 7.	
8828 *K 1808*	**Figure of Eight Island.**	34° 02.0′ S 121° 36.3′ E	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	371 **113**	**17**	White fiberglass hut; 13.	
8828.5 *K 1806.5*	Mary Ann Haven.	33° 56.1′ S 120° 08.2′ E	**Fl.W.** period 2s		8	Beacon.	
			Dir.W.R.G.	184 **56**	W. 6 R. 4 G. 4		F.G. 337°30′-339°30′, F.W.-340°30′, F.R.-342°30′.
8829 *K 1807*	-Breakwater.	33° 57.3′ S 120° 07.6′ E	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	18 **5**	3	Post.	
8829.5 *K 1807.5*	-Range, front.	33° 57.1′ S 120° 07.3′ E	**Iso.Bu.** period 4s	10 **3**	6	Beacon, orange triangular daymark point up.	
8829.6 *K 1807.6*	--Rear, 1627 meters 308° from front.	33° 56.5′ S 120° 06.5′ E	**Iso.Bu.** period 8s	39 **12**	6	White pole, orange triangular daymark point down.	
8830 *K 1806*	Bremer Bay.	34° 25.5′ S 119° 23.9′ E	**Fl.R.** period 3s	26 **8**	4		
8832 *K 1800*	**Breaksea Island**, 1,200 yards within its E. extremity.	35° 03.9′ S 118° 03.4′ E	**Fl.(2)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	390 **119**	13	Masonry tower, white lantern; 52.	Visible 248°-035° and 040°30′-044°.
			Oc.R. period 1.5s	390 **119**	**15**		Visible 020°-036° and 040°30′-043°30′.
8836 *K 1801.095*	Emu Point.	35° 00.0′ S 117° 56.8′ E	**Iso.W.R.G.** period 2s	33 **10**	11		G. 338°00′-340°30′, W.-344°30′, R.-347°00′.
8838 *K 1801.08*	Skippy.	35° 00.1′ S 117° 56.9′ E	**V.Q.(9)W.** period 10s	20 **6**	4	W. CARDINAL YBY, beacon, topmark.	
	PRINCESS ROYAL HARBOR:						
8840 *K 1802*	-King Point, N. side of entrance.	35° 02.1′ S 117° 55.1′ E	**Iso.W.R.G.** period 2s	138 **42**	11	Metal column, triangular daymark point up, red stripe.	G. 289°30′-292°, W.-296°, R.-298°30′.
			Fl.W. period 3s		9		
8844 *K 1802.5*	Princess Royal Harbor Entrance Range, front.	35° 03.1′ S 117° 52.3′ E	**F.Bu.**	43 **13**		White rectangular daymark.	
8848 *K 1802.51*	-Rear, 2000 meters 252° from front.	35° 03.4′ S 117° 51.0′ E	**F.Bu.**	89 **27**		White rectangular daymark.	
8853 *K 1804.9*	-Turning Basin Range, front.	35° 02.7′ S 117° 54.5′ E	**Iso.W.** period 2s		4	White triangular daymark point up.	
8854 *K 1804.91*	--Rear, 325 meters 117°18′ from front.	35° 02.8′ S 117° 54.6′ E	**Iso.W.** period 4s		4	White triangular daymark point down.	
8856 *K 1796*	AVIATION LIGHT.	34° 56.7′ S 117° 48.3′ E	**Al.Fl.W.G.** period 7.4s W. fl. 0.2s, ec. 3.5s G. fl. 0.2s, ec. 3.5s	280 **85**	W. **28** G. **24**		Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-SOUTH COAST				
8860 *K 1798*	**Eclipse Island.**	35° 10.8′ S 117° 53.3′ E	**Fl.(3)W.** period 12s fl. 0s, ec. 2s fl. 0s, ec. 2s fl. 0s, ec. 8s	384 **117**	**15**	Round concrete tower; 46.	
8868 *K 1795*	**Point D'Entrecasteaux.**	34° 50.3′ S 116° 00.2′ E	**Fl.(4)W.** period 30s fl. 0s, ec. 5s fl. 0s, ec. 5s fl. 0s, ec. 5s fl. 0s, ec. 15s	364 **111**	**17**	White square masonry tower; 10.	
8872 *K 1794*	**Cape Leeuwin.**	34° 22.5′ S 115° 08.2′ E	**Fl.W.** period 7.5s fl. 0s, ec. 7.5s	185 **56**	**26**	White round masonry tower, white lantern; 128.	Visible 261°-141°.

Section 9

West and North Coasts of Australia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-WEST COAST				
8876 *K 1792*	**Foul Bay South End.**	34° 14.8′ S 115° 02.1′ E	**Fl.(3)W.** period 15s fl. 0s, ec. 2.5s fl. 0s, ec. 2.5s fl. 0s, ec. 10s	303 **92**	**17**	White square tower, lantern; 20.	
8880 *K 1790*	**Cape Naturaliste.**	33° 32.2′ S 115° 01.2′ E	**Fl.(2)W.** period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	404 **123**	**25**	Circular stone tower, lantern; 62.	Visible 015°-292°. F.R. lights on radio mast 12.7 miles ESE.
8884 *K 1788*	Busselton jetty, head.	33° 37.7′ S 115° 20.3′ E	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s				
8886 *K 1787.8*	-E.	33° 37.8′ S 115° 23.2′ E	**Fl.(2)G.** period 5s		3		
	KOOMBANA BAY:						
8888 *K 1782*	**-Casuarina Point.**	33° 19.1′ S 115° 38.0′ E	**Fl.(3)W.** period 15s fl. 0.3s, ec. 2.1s fl. 0.3s, ec. 2.1s fl. 0.3s, ec. 9.9s	142 **43**	**19**	Black and white checkered round tower; 49.	
8892 *K 1784*	-Bunbury, McKenna Point.	33° 18.1′ S 115° 38.8′ E	**Fl.W.R.** period 3s fl. 0.3s, ec. 2.7s	46 **14**	W. 10 R. 7	Black metal tower, white bands, lantern; 33.	R. 020°-055°, W.-020°.
8896 *K 1784.5*	--Anchorage Range, front.	33° 19.6′ S 115° 40.3′ E	**Q.W.**		5		
8900 *K 1784.51*	---Rear, 240 meters 089°26′ from front.	33° 19.7′ S 115° 40.4′ E	**Iso.W.** period 4s		5		
8908 *K 1785.1*	-Bunbury Harbor, power station.	33° 19.1′ S 115° 39.7′ E	**Dir.W.R.G.**	66 **20**	8	White round tower, pile, orange rectangular daymark; 56.	F.G. 155.5°-157°, F.W.-157.5°, F.R.-159°. Range 6M by day.
			F.Bu. (neon)		6		
8912 *K 1786.3*	-Harbor Channel Range, front.	33° 19.2′ S 115° 39.1′ E	**F.Bu.**			Red triangular daymark point up.	
8916 *K 1786.31*	--Rear, about 231 meters 180° from front.	33° 19.3′ S 115° 39.1′ E	**F.Bu.**			Red triangular daymark point down.	
8918 *K 1787.08*	--Beacon.	33° 18.3′ S 115° 38.8′ E	**Q.(3)W.** period 10s	13 **4**	3		
8920 *K 1786.5*	-Range, front.	33° 19.5′ S 115° 39.8′ E	**F.R.**			Red triangular daymark point up.	
8924 *K 1786.51*	--Rear, about 100 meters 135° from front.	33° 19.5′ S 115° 39.9′ E	**F.R.**			Red triangular daymark point down.	
8925.5 *K 1781.8*	**White Hill.**	32° 41.2′ S 115° 36.8′ E	**Fl.(2)W.** period 15s	167 **51**	**15**		Visible 355°-195°.
8925.7 *K 1781.77*	Dawesville, entrance.	32° 36.0′ S 115° 37.7′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
8926 *K 1781.6*	**Robert Point.**	32° 31.6′ S 115° 42.0′ E	**Fl.W.** period 2s	174 **53**	**15**		Visible 035°-185°.
8926.2 *K 1781.47*	-James Service Reef.	32° 27.7′ S 115° 39.4′ E	**Q.(6)+L.Fl.W.** period 15s		4	S. CARDINAL YB, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-WEST COAST				
8926.3 *K 1781.5*	-N.	32° 30.7′ S 115° 42.2′ E	**Q.W.**		4	N. CARDINAL BY, beacon, topmark.	
8926.5 *K 1781.7*	Peel Inlet.	32° 31.2′ S 115° 42.6′ E	**Fl.G.** period 3s	23 **7**	3		
8926.7 *K 1781.53*	Bight Reef.	32° 29.5′ S 115° 43.9′ E	**Q.(9)W.** period 15s		4	W. CARDINAL YBY, beacon, topmark.	
	WARNBRO SOUND:						
8928 *K 1781.4*	-Range, front.	32° 20.5′ S 115° 42.2′ E	**Q.W.**	20 **6**	7	Round tower, orange triangular daymark point up.	Fishing light.
8932 *K 1781.41*	--Rear, 55 meters 123°08′ from front.	32° 20.5′ S 115° 42.3′ E	**Iso.W.** period 4s	30 **9**	7	Round tower, orange triangular daymark point down.	Fishing light.
8936 *K 1781*	-Entrance beacon.	32° 20.1′ S 115° 41.9′ E	**Fl.R.G.** period 3s	30 **9**	R. 2 G. 1	Red round tower.	R. 014°-194°, G. 194°-0.14°. Fishing light.
8939 *K 1780.9*	**Garden Island.**	32° 12.9′ S 115° 40.5′ E	**Fl.(3)W.** period 12s	161 **49**	**15**		
	COCKBURN SOUND:						
8944 *K 1780.73*	-Submarine Wharf.	32° 13.7′ S 115° 41.9′ E	**Q.W.**	23 **7**	4		
8945 *K 1780.75*	-W. side.	32° 13.7′ S 115° 41.7′ E	**F.G.**			Dolphin.	
8948 *K 1780.7*	-Colpoys Point.	32° 13.6′ S 115° 42.0′ E	**Fl.G.** period 5s	36 **11**	6		
8950 *K 1780.75*	-Pier, head.	32° 13.7′ S 115° 41.7′ E	**F.G.**			On dolphin.	
8950.3 *K 1780.755*	-Careening Bay, pier.	32° 13.8′ S 115° 41.6′ E	**Iso.G.** period 4s				
8950.5 *K 1780.758*	-Small boat harbor, breakwater.	32° 13.9′ S 115° 41.4′ E	**Q.(3)Y.** period 10s			Outer dolphin.	
8952 *K 1780.76*	---Head.	32° 13.8′ S 115° 41.4′ E	**Q.R.**	16 **5**	2		
8954 *K 1780.8*	-Sulphur Bay Wharf, head.	32° 10.5′ S 115° 40.9′ E	**Q.Y.**				
8956 *K 1780.78*	-Careening Bay S.	32° 14.4′ S 115° 42.1′ E	**Q.W.**			N. CARDINAL BY, beacon ,topmark.	
8957 *K 1779.6*	-John Ledge.	32° 15.3′ S 115° 41.1′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
8957.2 *K 1779.65*	-Collie Ledge.	32° 14.9′ S 115° 41.7′ E	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	26 **8**	4	STARBOARD (A) G, beacon, topmark.	
8957.7 *K 1780.77*	-Minstrel Channel, E. end.	32° 14.4′ S 115° 42.6′ E	**Q.W.**		3	N. CARDINAL BY, beacon, topmark.	
8958 *K 1779.4*	-Southern Flats.	32° 15.2′ S 115° 43.5′ E	**Q.(3)W.** period 10s	16 **5**	9	E. CARDINAL BYB, beacon, topmark.	
8960 *K 1778.6*	-Bulk cargo berth, at N. head of pier.	32° 14.3′ S 115° 45.4′ E	**F.R.**	16 **5**	1		
8964 *K 1778.64*	--S. head.	32° 14.6′ S 115° 45.3′ E	**F.R.**	16 **5**	1		
8968 *K 1778*	-Kwinana Refinery Range, front.	32° 13.8′ S 115° 45.3′ E	**F.Bu.**	27 **8**	2	Column.	Visible 118°-148°.
8972 *K 1778.1*	--Rear, 690 meters 133° from front.	32° 14.0′ S 115° 45.6′ E	**F.Bu.**	36 **11**	3	Gray steel framework tower.	Visible 118°-148°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-WEST COAST				
8973 *K 1778.3*	--Water intake.	32° 13.6′ S 115° 45.3′ E	**2 F.W.**				
8974 *K 1778.2*	-James Point.	32° 13.3′ S 115° 44.9′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
8976 *K 1777*	-Stirling Channel Range, front.	32° 12.5′ S 115° 46.0′ E	**F.Bu.**	96 **29**	9	Tower; 92.	
8980 *K 1777.05*	--Rear, 105°42′ from front.	32° 12.6′ S 115° 46.2′ E	**F.Bu.**	112 **34**	6		
8984 *K 1777.2*	--Channel beacon A.	32° 12.2′ S 115° 44.7′ E	**Q.R.**			PORT (A) R, beacon, topmark.	
8985 *K 1777.22*	--Channel beacon 1.	32° 12.3′ S 115° 44.7′ E	**Q.G.**		3	STARBOARD (A) G, beacon, topmark.	
8986 *K 1777.5*	-Calista Channel Range, front.	32° 10.4′ S 115° 46.4′ E	**F.R.**	66 **20**	11	Round tower; 26.	Visible 005°-035°.
8986.1 *K 1777.51*	--Rear, 490 meters 020°30′ from front.	32° 10.1′ S 115° 46.5′ E	**F.R.**	121 **37**	11	Round tower; 23.	Visible 005°-035°.
8988 *K 1777.4*	-N. jetty, head.	32° 12.5′ S 115° 45.8′ E	**F.G.**	92 **28**		Tower.	
8989 *K 1777.45*	-S. jetty, head.	32° 12.6′ S 115° 45.6′ E	**F.G.**				
8992 *K 1777.82*	-N. Intake pipeline.	32° 11.8′ S 115° 46.3′ E	**2 Fl.R.** (horiz.) period 3s		2		
8996 *K 1777.84*	-S. Intake pipeline.	32° 11.9′ S 115° 46.2′ E	**2 Fl.R.** (horiz.) period 3s		2		
9000 *K 1777.86*	-Alumina Works Jetty, head.	32° 11.4′ S 115° 46.2′ E	**F.G.**	30 **9**	2		
9000.5 *K 1775.8*	-Jervoise Bank.	32° 08.9′ S 115° 45.0′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
9000.7 *K 1776.1*	-Jervoise Bay, W. breakwater.	32° 08.7′ S 115° 45.5′ E	**Fl.R.** period 3s				
9001 *K 1776*	--E. breakwater.	32° 08.7′ S 115° 45.6′ E	**Fl.G.** period 3s	30 **9**	1		
9002 *K 1776.3*	--Inner breakwater.	32° 08.4′ S 115° 45.8′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	26 **8**	3		Visible 135°-035°.
9003 *K 1776.4*	--Shiplifter, N. jetty.	32° 09.2′ S 115° 45.9′ E	**V.Q.R.**		1		
9003.1 *K 1776.42*	---S. jetty.	32° 09.2′ S 115° 45.9′ E	**V.Q.G.**		1		
9004 *K 1774*	**-Woodman Point.**	32° 07.9′ S 115° 46.2′ E	**Oc.W.R.G.** period 30s lt. 20s, ec. 10s	123 **37**	W. **22** R. 8 G. 8	White round stone tower.	R. 132°-145°, W.-150°, G.-160°.
			Oc.G. period 5s lt. 3s, ec. 2s	112 **34**	4		Visible 051°06′-051°54′.
9006 *K 1775.9*	-Jervoise and Medina Channels.	32° 08.0′ S 115° 44.9′ E	**Dir.W.R.G.**	43 **13**			F.R. 340°36′-342°06′, F.W.-343°06′, F.G.-344°36′. Channels marked by Fl.R. 2s and Fl.G. 2s beacons.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-WEST COAST				
9008 *K 1771*	-Success and Parmelia Bank Channels Range, front.	32° 08.7′ S 115° 42.4′ E	**F.R.**	40 **12**	11	White round metal tower, orange band; 40.	Visible 159°-179°. Rear light for reciprocal range 349°12′. Channels marked by Q.R. and Q.G. buoys and by Fl.R. 2s and Fl.G. 2s beacons.
			F.W.	13 **4**	3		
			F.G.	39 **12**	11		Visible 339°-359°.
9012 *K 1771.1*	--Rear, 0.5 mile 169°12′ from front.	32° 09.2′ S 115° 42.5′ E	**F.R.**	70 **21**	11	White round metal tower, orange bands; 69.	Visible 159°-179°.
			F.W.	13 **4**	3		
			F.G.	23 **7**	11		Visible 339°-359°. Front light for reciprocal range 349°12′.
9021 *K 1773.5*	Challenger Passage Range, front.	32° 08.7′ S 115° 40.0′ E	**Q.R.**	20 **6**	3	Metal pile concrete platform.	R. 019°36′-199°36′.
			Q.G.			Same structure.	G. 199°36′-019°36′. Rear light for reciprocal range 289°35′.
9022 *K 1773.51*	-Rear, 400 meters 109°35′ from front.	32° 08.7′ S 115° 40.3′ E	**Iso.R.** period 4s	30 **9**	3	Metal concrete platform.	R. 019°35′-199°35′.
			Iso.G. period 4s	30 **9**	3	Same structure.	G. 199°35′-019°35′. Front light for reciprocal range 289°35′.
	SUCCESS BANKS:						
9024 *K 1760*	**-Rottnest Island.**	32° 00.4′ S 115° 30.3′ E	**Fl.W.** period 7.5s fl. 0.1s, ec. 7.4s	262 **80**	**26**	White masonry tower, gold cupola, white lantern; 125.	
9026 *K 1760.5*	-Cape Vlaming.	32° 01.4′ S 115° 27.0′ E	**Fl.(2)W.** period 5s	89 **27**	8	Metal mast, bunker; 20.	
9027 *K 1762.7*	-S. Coast Approaches to Pocillopora Reef, front.	32° 01.2′ S 115° 31.8′ E	**F.Bu.**				
9027.1 *K 1762.71*	--Rear, 300 meters 300°12′ from front.	32° 01.1′ S 115° 31.7′ E	**F.Bu.**				
9028 *K 1761.5*	-Duck Rock.	31° 59.2′ S 115° 32.6′ E	**Q.W.**	16 **5**	4	N. CARDINAL BY, beacon, topmark.	
9036 *K 1761*	-Kingston Reefs, front.	31° 59.6′ S 115° 33.5′ E	**Fl.G.** period 3s	7 **2**	3	STARBOARD (A) G, beacon, topmark.	
9036.1 *K 1761.1*	--Bathhurst Point, rear, 1720 meters 287°30′ from front.	31° 59.4′ S 115° 32.4′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	98 **30**	14	White stone tower, gold cupola; 62.	Visible 108°-297°.
9037 *K 1760.7*	-Point Clune, front.	31° 59.3′ S 115° 31.6′ E	**F.Bu.**				
9037.1 *K 1760.71*	--Rear, 150 meters 253°24′ from front.	31° 59.3′ S 115° 31.5′ E	**F.Bu.**				
9038 *K 1760.6*	-Parakeet Bay, front.	31° 59.4′ S 115° 30.9′ E	**F.Bu.**				
9038.1 *K 1762.71*	--Middle.	31° 59.4′ S 115° 30.8′ E	**F.Bu.**				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-WEST COAST				
9038.2 *K 1760.612*	-Armstrong Hill, rear, 750 meters 240°30′ from front.	31° 59.6′ S 115° 30.4′ E	**F.Bu.**				
9040 *K 1762.4*	Phillip Rock.	32° 00.0′ S 115° 33.7′ E	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	26 **8**	6	Red beacon.	
9044 *K 1762.8*	**Buckland Hill.**	32° 01.0′ S 115° 45.7′ E	**Dir.W.R.G.**	216 **66**	**18**	White house; 33.	F.G. 122°42.5′-123°57.5′, Al.W.G.-124°42.5′, F.W.-125°42.5′, Al.W.R.-126°27.5′, F.R.-127°42.5′. Shown 24 hours.
	FREMANTLE:						
9048 *K 1763*	-South Channel Range, front.	32° 01.3′ S 115° 37.1′ E	**Iso.W.R.** period 2s	23 **7**	W. 10 R. 8	White structure, orange bands.	
			F.W.	10 **3**	2		Visible 086°06′-066°06′.
9052 *K 1763.1*	--Rear, 930 meters 076°06′ from front.	32° 01.2′ S 115° 37.7′ E	**Iso.W.R.** period 8s	33 **10**	W. 10 R. 8	White structure, orange bands.	
			F.W.	10 **3**	2		Visible 086°06′-066°06′.
9062 *K 1765.3*	-Hall Bank.	32° 01.8′ S 115° 42.7′ E	**Fl.R.** period 4s	23 **7**	4	PORT (A) R, beacon, topmark.	
9063 *K 1767.6*	**-Inner Harbor Entrance Range,** front.	32° 03.2′ S 115° 44.5′ E	**F.Bu.**	75 **23**	**15**	Mast, orange rectangular daymark.	Visible 075°12′-090°12′.
9063.1 *K 1767.61*	--Rear, 180 meters 082°48′ from front.	32° 03.2′ S 115° 44.6′ E	**F.Bu.**	98 **30**	**15**	Mast, orange rectangular daymark.	Visible 075°12′-090°12′.
9064 *K 1765*	-S. mole, head.	32° 03.4′ S 115° 44.0′ E	**V.Q.G.**	49 **15**	6	Green round metal tower, white cupola; 30.	
9076 *K 1764*	-N. mole, head.	32° 03.2′ S 115° 43.5′ E	**V.Q.R.**	49 **15**	6	Red round metal tower, white cupola; 30.	
9078 *K 1766*	-Entrance channel, beacon B.	32° 03.3′ S 115° 43.5′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
9078.2 *K 1766.2*	--Beacon 2.	32° 03.4′ S 115° 43.5′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
9078.3 *K 1766.31*	--Rous Head Harbor.	32° 03.2′ S 115° 43.7′ E	**F.R.**				
9078.31 *K 1766.32*	---East.	32° 03.2′ S 115° 43.7′ E	**F.G.**				
9078.4 *K 1766.4*	--Beacon C.	32° 03.2′ S 115° 44.0′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
9078.6 *K 1766.5*	--Beacon 3.	32° 03.3′ S 115° 44.0′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
9082 *K 1767.1*	-S. mole Range, front.	32° 03.3′ S 115° 44.3′ E	**F.R.**			Beacon, triangular daymark point up.	
9083 *K 1767.115*	--Rear, 160 meters 220°18′ from front.	32° 03.4′ S 115° 44.2′ E	**F.R.**			Beacon, triangular daymark point down.	
9085 *K 1767.4*	-North Quay.	32° 03.2′ S 115° 44.2′ E	**F.R.** (neon)				
	-Inner Harbor:						
9090.5 *K 1768.5*	--Range, front.	32° 02.4′ S 115° 45.2′ E	**F.G.**			Post, red triangular daymark point up.	Marks N. side of Wongara Shoal.
9090.51 *K 1768.51*	---Rear, 16 meters 062°27′ from front.	32° 02.4′ S 115° 45.2′ E	**F.G.**			Post, red triangular daymark point down.	

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			AUSTRALIA-WEST COAST				
9090.53 *K 1768.54*	--Range, front.	32° 02.4′ S 115° 45.2′ E	**F.G.**			White post, orange triangular daymark point up.	
9090.531 *K 1768.541*	---Rear, 50 meters 040°54′ from front.	32° 02.4′ S 115° 45.2′ E	**F.G.**			White post, orange triangular daymark point down.	
9090.6 *K 1768.56*	--North Fremantle Range, front.	32° 02.3′ S 115° 45.2′ E	**F.R.**				
9090.61 *K 1768.561*	---Rear, 3,350 meters 040°12′ from front.	32° 00.9′ S 115° 46.5′ E	**F.R.**				
9090.7 *K 1768.6*	--Range, front.	32° 02.5′ S 115° 45.2′ E	**F.R.**			White post, orange triangular daymark point up.	Marks W. side of Wongara Shoal.
9090.71 *K 1768.61*	---Rear, 10 meters 125°10′ from front.	32° 02.6′ S 115° 45.2′ E	**F.R.**			White post, orange triangular daymark point down.	
9090.8 *K 1768.7*	--Range, front.	32° 02.6′ S 115° 45.1′ E	**F.R.**			Beacon, red triangular daymark point up.	
9090.81 *K 1768.71*	---Rear, 76 meters 129°06′ from front.	32° 02.6′ S 115° 45.1′ E	**F.R.**			Beacon, red triangular daymark point down.	
9091.01 *K 1769.06*	-Swan River, W. side.	32° 01.9′ S 115° 45.7′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
9091.02 *K 1769.07*	--E. side.	32° 01.7′ S 115° 45.6′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by beacons.
9091.05 *K 1769.08*	--Preston Point, W. side.	32° 01.7′ S 115° 45.5′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
9091.2 *K 1769.55*	-Point Dundas.	32° 00.2′ S 115° 49.7′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	
9091.5 *K 1769.51*	-Melville Water, Armstrong Spit, E. side.	32° 00.2′ S 115° 48.5′ E	**Fl.R.** period 3s			Black beacon, white top, square daymark.	
9092 *K 1771.8*	-Owen Anchorage.	32° 05.7′ S 115° 45.8′ E	**F.Bu.**				
9096 *K 1770*	-Fishing Boat Harbor, entrance.	32° 03.8′ S 115° 44.4′ E	**V.Q.(6)+L.Fl.W.** period 10s	10 **3**		S. CARDINAL YB, beacon, topmark.	
9100 *K 1770.15*	--Breakwater.	32° 03.8′ S 115° 44.4′ E	**Q.R.**			Pile.	
9101 *K 1770.2*	-Success Harbor, outer.	32° 03.9′ S 115° 44.4′ E	**Q.(4)Y.** period 6s	16 **5**	3	SPECIAL Y, beacon, "X" topmark.	
9101.1 *K 1770.22*	--Inner.	32° 03.9′ S 115° 44.5′ E	**Fl.Y.** period 2s fl. 0.3s, ec. 1.7s	16 **5**	3	SPECIAL Y, beacon, "X" topmark.	
9102 *K 1770.3*	-Success Yacht Harbor, S. breakwater.	32° 03.9′ S 115° 44.5′ E	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	13 **4**	3	Green beacon.	
9102.1 *K 1770.4*	-Beagle Rocks.	32° 03.6′ S 115° 43.6′ E	**Q.(2)W.** period 6s			ISOLATED DANGER BRB, beacon, topmark.	
9102.2 *K 1771.75*	Fish Rocks.	32° 05.0′ S 115° 43.9′ E	**Q.W.**		3	N. CARDINAL BY, beacon, topmark.	
9102.3 *K 1771.76*	-W.	32° 05.2′ S 115° 43.9′ E	**Q.(9)W.** period 15s		3	W. CARDINAL YBY, beacon, topmark.	
9102.5 *K 1758.7*	Centaur Reef.	31° 52.7′ S 115° 43.0′ E	**Q.(6)+L.Fl.W.** period 15s		7	S. CARDINAL YB, beacon, topmark.	
9102.7 *K 1758.3*	Hillarys Boat Harbor.	31° 49.4′ S 115° 44.0′ E	**Fl.(2)W.** period 6s	79 **24**	12		Visible 344°-159°.
9102.9 *K 1757.9*	North Lumps.	31° 47.2′ S 115° 42.9′ E	**Q.W.**		3	N. CARDINAL BY, beacon, topmark.	
9103 *K 1757.8*	Ocean Reef Boat Harbor, common rear.	31° 45.7′ S 115° 43.8′ E	**F.Bu.**	78 **24**	5	White rectangular daymark, red band.	

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			AUSTRALIA-WEST COAST				
9103.1 *K 1757.79*	-Range front, 310 meters from common rear.	31° 45.6′ S 115° 43.9′ E	**Q.W.**	42 **13**	10	Rectangular daymark.	Forms range 100° with common rear. Visible 080°-120°.
9103.2 *K 1757.81*	-Range front, 340 meters from common rear.	31° 45.6′ S 115° 43.9′ E	**Iso.W.** period 2s	42 **13**	10	Rectangular daymark.	Forms range 042°30′ with common rear. Visible 022°30′-062°30′.
9103.5 *K 1757.7*	Mindarie Keys Marina Range, front.	31° 41.0′ S 115° 42.2′ E	**F.Bu.**	138 **42**	7	White beacon; 3.	Visible 037°01′-055°01′. F.W. by day. Marina breakwaters marked by Fl.(2)R. and Fl.(2)G. lights.
9103.6 *K 1757.71*	-Rear, 046°01′ from front.	31° 40.9′ S 115° 42.4′ E	**F.Bu.**	194 **59**	7	White beacon; 3.	Visible 037°01′-055°01′. F.W. by day.
9103.8 *K 1757.66*	Two Rocks Approaches.	31° 31.4′ S 115° 33.8′ E	**Q.(6)+L.Fl.W.** period 15s		5	S. CARDINAL YB, beacon, topmark.	
9103.9 *K 1757.65*	-N.	31° 30.4′ S 115° 33.7′ E	**V.Q.W.**		5	N. CARDINAL BY, beacon, topmark.	
9104 *K 1757.6*	Wreck Point, Range, front.	31° 29.4′ S 115° 34.9′ E	**F.Bu.**	89 **27**	6	White tower; 26.	
9108 *K 1757.61*	-Rear, 1,120 meters 022°43′ from front.	31° 28.8′ S 115° 35.2′ E	**Iso.W.** period 4s	171 **52**	10	White tower; 39.	
9109 *K 1757.63*	-Two Rocks Marina, breakwater.	31° 29.7′ S 115° 34.8′ E	**Fl.G.** period 4s fl. 0.5s, ec. 3.5s		3	Green post.	
9112 *K 1757.5*	**Guilderton.**	31° 20.3′ S 115° 29.5′ E	**Fl.(3)W.** period 20s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 12.1s	236 **72**	**19**	Red round brick tower, white lantern; 98.	
9114 *K 1757.3*	Seabird Range, front.	31° 17.8′ S 115° 27.4′ E	**Iso.W.** period 2s	121 **37**	7	Metal column, rectangular daymark, orange stripe.	
9114.5 *K 1757.31*	-Rear, 1390 meters 034°54′ from front.	31° 17.2′ S 115° 27.9′ E	**Iso.W.** period 8s	177 **54**	7	Metal column, rectangular daymark, orange stripe.	
9116 *K 1757.2*	Ledge Point Range, front.	31° 06.8′ S 115° 22.8′ E	**Q.W.**	56 **17**	9	Metal column, orange rectangular daymark.	
9120 *K 1757.21*	-Rear, 059°30′ from front.	31° 06.9′ S 115° 22.6′ E	**Iso.W.** period 4s	73 **22**	9	Metal column, orange rectangular daymark.	
9124 *K 1757*	Lancelin Islet Anchorage Range, front.	30° 59.8′ S 115° 19.6′ E	**Iso.W.** period 2s	39 **12**	10	Beacon, triangular daymark point up.	
9128 *K 1757.1*	-Rear, 75 meters 075°30′ from front.	30° 59.8′ S 115° 19.6′ E	**Iso.W.** period 4s	52 **16**	10	Beacon, triangular daymark point down.	
9132 *K 1756.6*	Cervantes Island, Range front.	30° 28.7′ S 115° 04.3′ E	**Oc.W.** period 3.5s lt. 2.5s, ec. 1s	26 **8**	10	Orange triangular daymark point up.	
9136 *K 1756.61*	-Rear, 352 meters 067°01′ from front.	30° 28.6′ S 115° 04.5′ E	**Fl.W.** period 2s fl. 0.5s, ec. 1.5s	59 **18**	10	Metal framework tower, orange square daymark; 33.	
9137 *K 1756.7*	-Channel beacon.	30° 28.9′ S 115° 03.6′ E	**Fl.(2)G.** period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s		3		
9140 *K 1756*	Escape Island, near center.	30° 20.0′ S 114° 59.2′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	98 **30**	10	Steel framework tower; 79.	
9141 *K 1756.2*	Harper Reef.	30° 17.9′ S 115° 00.3′ E	**Fl.R.** period 3s		4		

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			AUSTRALIA-WEST COAST				
9142 *K 1756.25*	Boiler Reef.	30° 18.1′ S 114° 59.7′ E	**Fl.(2)W.G.** period 5s		W. 6 G. 4		W. 030°-048°, G.-280°.
9144 *K 1756.4*	Jurien Bay Range, front.	30° 16.5′ S 115° 02.6′ E	**Q.W.**	49 **15**	10	White round tower, orange triangular daymark point up.	
9144.1 *K 1756.41*	-Rear, 483 meters 111°32′ from front.	30° 16.6′ S 115° 02.9′ E	**Iso.W.** period 4s	86 **26**	10	White round tower, orange triangular daymark point down.	
9146 *K 1756.45*	-Jurian Boat Harbor Range, front.	30° 17.4′ S 115° 02.5′ E	**F.Bu.**		5		
9146.1 *K 1756.46*	--Rear, 160 meters 130° from front.	30° 17.5′ S 115° 02.6′ E	**F.Bu.**		5		
9149 *K 1756.5*	-S. breakwater.	30° 17.3′ S 115° 02.4′ E	**Fl.G.**	20 **6**	5		
9149.2 *K 1756.52*	-N. breakwater.	30° 17.3′ S 115° 02.4′ E	**Fl.R.**				
9150 *K 1755*	Green Head Range, front.	30° 04.5′ S 114° 57.9′ E	**Q.W.**	52 **16**	9		
9150.1 *K 1755.1*	-Rear, 180 meters 105°37′ from front.	30° 04.5′ S 114° 58.1′ E	**Fl.W.** period 2s	85 **26**	**15**		
9151 *K 1755.2*	-Inner.	29° 56.2′ S 114° 57.9′ E	**Q.G.**	26 **8**	4	Green metal pile beacon with platform, green triangular daymark point up.	
9152 *K 1754*	Port Denison Range, front.	29° 16.0′ S 114° 55.5′ E	**F.Bu.**	62 **19**	10	Beacon, red rectangular daymark.	
9156 *K 1754.1*	--Rear, 969 meters 072°05′ from front.	29° 15.8′ S 114° 56.0′ E	**F.Bu.**	131 **40**	10	Beacon, red rectangular daymark.	
9156.2 *K 1754.5*	-Harbor Range, front.	29° 16.6′ S 114° 54.9′ E	**F.Bu.**	33 **10**		White stone beacon.	
9156.3 *K 1754.51*	--Rear, 50 meters 175°54′ from front.	29° 16.6′ S 114° 54.9′ E	**F.Bu.**	46 **14**			
9156.6 *K 1754.7*	-W. breakwater.	29° 16.3′ S 114° 54.9′ E	**Fl.G.** period 3s				
9156.7 *K 1754.6*	-E. breakwater.	29° 16.4′ S 114° 54.9′ E	**Fl.R.** period 3s				
9157 *K 1754.9*	**Freshwater Point.**	29° 36.3′ S 114° 58.5′ E	**Fl.W.** period 5s	118 **36**	**17**		
9158 *K 1755*	Leeman Range, front.	29° 56.6′ S 114° 58.7′ E	**Q.W.**	52 **16**	9		
9158.1 *K 1755.1*	-Rear, 742 meters 116°09′ from front.	29° 56.7′ S 114° 59.0′ E	**Fl.W.** period 2s	85 **26**	**15**		
9160 *K 1753.6*	**Pelsaert Island.**	28° 59.1′ S 113° 57.7′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	70 **21**	**18**	Steel column; 66.	
	RACON		**X(– • • –)**		14		(3 & 10cm).
	CHAMPION BAY-GERALDTON:						
9164 *K 1740*	**-Point Moore.**	28° 47.0′ S 114° 34.8′ E	**Fl.(2)W.** period 10s fl. 0s, ec. 2.5s fl. 0s, ec. 7.5s	112 **34**	**19**	White conical metal tower, red bands; 115.	Visible shore-235°.
9168 *K 1741*	-AVIATION LIGHT.	28° 47.3′ S 114° 41.3′ E	**Fl.W.** period 10s	130 **40**	**26**	Control tower.	

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			AUSTRALIA-WEST COAST				
9169 *K 1742.1*	-Bluff Point Range, common rear.	28° 44.6′ S 114° 37.1′ E	**F.Bu.**	56 **17**	8	White pole.	Range 4M by day.
			Dir.W.R.G.	56 **17**	8		F.G. 127°06′-127°48′, F.W.-128°12′, F.R.-128°54′.
9169.1 *K 1742*	--Approach Range, front, 1250 meters 071°24' from common rear.	28° 44.8′ S 114° 36.5′ E	**Dir.W.R.G.** period 3s	36 **11**	5	White pole on metal framework tower.	F.G. 070°12′-070°36′, Iso.G.-071°, F.W.-071°48′, Iso.R.-072°12′, F.R.-072°36′.
9169.2 *K 1742.3*	--Bluff Point Range, front, sea beacon, 2250 meters 127°54′ from common rear.	28° 43.8′ S 114° 36.0′ E	**Iso.Bu.** period 3s				
			F.Bu.		5		
9169.5	*-Fairway buoy.*	28° 46.2′ S 114° 31.7′ E	**L.Fl.W.** period 10s			SAFE WATER RW, pillar, topmark.	
	-RACON		**G(– – •)**				(3 & 10cm).
9180 *K 1744*	-Harbor Range, front.	28° 46.6′ S 114° 36.0′ E	**F.Bu.**	56 **17**		Metal column, orange triangular daymark point down.	
9184 *K 1744.1*	--Rear, 140 meters 180°04′ from front.	28° 46.6′ S 114° 36.0′ E	**2 F.Bu.** (vert.)	82 **25**		Framework tower, orange triangular daymark point down.	
9186 *K 1753*	-Fishing Boat Harbor.	28° 46.4′ S 114° 35.6′ E	**Dir.W.R.G.**			Gray pile, orange triangular daymark point up.	Visible on bearing 194°54′.
9188 *K 1753.2*	-Batavia Coast Marina, breakwater, head.	28° 45.9′ S 114° 36.7′ E	**L.Fl.G.** period 6s	26 **8**	3		
9190 *K 1753.21*	--Port groin.	28° 45.9′ S 114° 36.6′ E	**L.Fl.R.** period 6s fl. 2s, ec. 4s		3	Red metal tube.	
9198 *K 1753.4*	Hummock Island.	28° 48.0′ S 114° 02.5′ E	**Fl.(2)W.** period 6s	49 **15**	10		
9199 *K 1739.9*	-Leo Island.	28° 41.3′ S 113° 51.6′ E	**Fl.W.** period 5s		10		
9200 *K 1739.4*	**North Island.**	28° 17.9′ S 113° 35.4′ E	**Fl.(3)W.** period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	52 **16**	**18**	White fiberglass hut; 7.	
	RACON		**N(– •)**		11		(3 & 10cm).
9201 *K 1739.6*	-East Wallabi Island.	28° 25.6′ S 113° 44.7′ E	**Fl.R.** period 3s	16 **5**	5		
9202 *K 1739.7*	-Eastern Island.	28° 27.8′ S 113° 48.9′ E	**Fl.W.** period 5s	23 **7**	10		
9203 *K 1739.8*	-Dick Island.	28° 29.8′ S 113° 46.1′ E	**Q.(3)W.** period 10s	20 **6**	5	E. CARDINAL BYB, pole, topmark.	
9204 *K 1739*	**Shoal Point.**	28° 03.5′ S 114° 12.4′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	386 **118**	**19**	White square brick tower, lantern; 20.	Visible 003°-150°.
	RACON		**O(– – –)**		**27**		(3 & 10cm).
9208 *K 1728*	Steep Point.	26° 09.0′ S 113° 09.7′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	230 **70**	10	White fiberglass hut; 13.	Visible 358°-253° except where obscured by Dirk Hartog's Island.
9212 *K 1724*	Cape Inscription.	25° 28.9′ S 112° 58.3′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	128 **39**	12	Gray concrete tower, white cupola; 49.	Visible 040°-303°.

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			AUSTRALIA-WEST COAST				
9216 *K 1723*	Cape St. Cricq.	25° 16.2′ S 113° 04.6′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	144 **44**	10	White fiberglass hut; 7.	Visible 202°-171°.
	DENHAM SOUND:						
9220 *K 1730*	-Denham Channel, NW. end, No 1.	25° 53.3′ S 113° 14.9′ E	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	16 **5**	4	STARBOARD (A) G, beacon, topmark.	Channel marked by lighted beacons.
9224 *K 1732*	--SE. end, No 12.	25° 58.2′ S 113° 23.4′ E	**Q.(9)W.** period 15s		6	W. CARDINAL YBY, beacon, topmark.	
9225 *K 1735*	-Slope Island, jetty.	26° 05.3′ S 113° 25.1′ E	**Q.R.**	65 **20**	3		F.G. and F.R. mark N. and S. ends.
9226	-Salt Works, AVIATION LIGHT.	26° 08.5′ S 113° 25.4′ E	**F.R.**	72 **22**	4	Water tower.	
9228 *K 1726*	**Cape Peron.**	25° 31.0′ S 113° 30.9′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	187 **57**	**17**		
9232 *K 1733*	-Denham, outer.	25° 56.2′ S 113° 30.8′ E	**Fl.R.** period 3s	26 **8**	3	PORT (A) R, beacon, topmark.	
9236 *K 1733.4*	--Inner.	25° 56.0′ S 113° 31.8′ E	**Fl.(2)R.** period 6s	26 **8**	5	PORT (A) R, beacon, topmark.	
9240 *K 1726.2*	-Red Cliff Bay.	25° 45.8′ S 113° 42.7′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s		1	PORT (A) R, beacon, topmark.	
9242 *K 1727*	-Eastern Bluff.	25° 47.0′ S 113° 42.7′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
	SHARK BAY:						
9248 *K 1722*	**-Carnarvon** AVIATION LIGHT.	24° 53.0′ S 113° 39.8′ E	**Fl.W.** period 10s	90 **27**	**15**		Occasional.
9252 *K 1718*	**-Babbage Island.**	24° 52.6′ S 113° 37.9′ E	**Fl.W.R.** period 5s	98 **30**	W. **16** R. 5	White square wooden framework tower; 59.	R. 343°-029°, W.-137°, R.-163°.
9254 *K 1720*	-Teggs Channel No 1.	24° 54.4′ S 113° 37.7′ E	**Q.(6)+L.Fl.W.** period 15s		6	S. CARDINAL YB, beacon, topmark.	
9255 *K 1721.4*	--Range, front.	24° 54.2′ S 113° 38.3′ E	**Q.W.**	20 **6**	4	White pile.	Channel marked by Q.G. and Q.R. lights.
9255.1 *K 1721.41*	---Rear, 110 meters 079°22′ from front.	24° 54.2′ S 113° 38.4′ E	**Iso.W.** period 4s	23 **7**	4	White pile.	
9256 *K 1719*	-Island, jetty, head.	24° 52.9′ S 113° 37.0′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	26 **8**	3	Wooden platform; 16.	
9260 *K 1719.4*	-Island, jetty, head.	24° 53.0′ S 113° 37.8′ E	**F.G.**		2		
9264 *K 1717*	-Cape Ronsard.	24° 45.5′ S 113° 09.3′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	66 **20**	10	White fiberglass hut; 7.	
9268 *K 1716*	**-Point Quobba.**	24° 28.8′ S 113° 25.1′ E	**Fl.(4)W.** period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 10s	210 **64**	**16**	White round concrete tower, cupola dome; 59.	
9270 *K 1715.3*	**Cape Cuvier.**	24° 13.2′ S 113° 23.8′ E	**F.W.**		**16**		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-WEST COAST				
9272 *K 1714*	**Point Cloates.**	22° 42.6′ S 113° 40.8′ E	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	128 **39**	**17**	White fiberglass hut; 7.	
9276 *K 1710*	**North West Cape.**	21° 48.4′ S 114° 09.6′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	423 **129**	**24**	Metal framework tower; 997.	F.R. on tower 5.1 miles SSW.
9280 *K 1712*	Y Islet.	21° 57.1′ S 114° 25.3′ E	**Fl.(2)W.** period 5s	39 **12**	10		
9284 *K 1702*	Bessiers Island, (Anchor Island).	21° 31.6′ S 114° 45.7′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	89 **27**	9	White fiberglass hut; 13.	
			AUSTRALIA-NORTH COAST				
	BEADON BAY:						
9296 *K 1704.1*	**-Onslow.**	21° 38.6′ S 115° 07.0′ E	**Fl.W.** period 2s fl. 0.5s, ec. 1.5s	83 **25**	**15**	White steel tower; 59.	
9298 *K 1704.2*	-Jetty, head.	21° 37.6′ S 115° 05.8′ E	**Mo.(U)W.** period 15s	69 **21**			
9302 *K 1707.4*	-Groin, head.	21° 38.3′ S 115° 08.0′ E	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	23 **7**	7		
	MARY ANNE PASSAGE:						
9304 *K 1698*	**-Airlie Island.**	21° 19.4′ S 115° 10.1′ E	**Fl.(4)W.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	85 **26**	**17**	Steel framework tower, white lantern; 79.	
9308 *K 1696*	-Mary Anne Reef.	21° 15.7′ S 115° 27.8′ E	**Fl.W.** period 5s	26 **8**	10		
	BARROW ISLAND:						
9312 *K 1695*	-Great Sandy Island.	21° 11.9′ S 115° 38.3′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	56 **17**	10	White fiberglass hut; 7.	
9316 *K 1694*	-North Sandy Island.	21° 06.2′ S 115° 39.2′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	85 **26**	10	Steel framework tower, white lantern; 66.	
9320 *K 1692.4*	-Double Island.	20° 44.1′ S 115° 29.8′ E	**Fl.W.** period 6s fl. 0.6s, ec. 5.4s	56 **17**	5	Metal post; 7.	
9326 *K 1693.5*	Bambra caisson.	20° 32.8′ S 115° 36.3′ E	**Mo.(U)Y.** period 15s	59 **18**	10	Platform.	
9328 *K 1691.98*	**North West Island.**	20° 21.6′ S 115° 31.5′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	55 **17**	**18**	White fiberglass hut; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9332 *K 1691.99*	Trimouille Island.	20° 24.5′ S 115° 34.5′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	128 **39**	11	White fiberglass hut; 7.	
9334 *K 1687.85*	*CALM Wanaea.*	19° 35.4′ S 116° 26.8′ E	**Mo.(U)W.** period 15s			Storage tanker.	
9336 *K 1690.4*	Rosemary Island, N. end.	20° 28.6′ S 116° 36.0′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	154 **47**	10	White fiberglass hut; 7.	
9340 *K 1690.6*	Courtenay Head, Malus Island.	20° 30.4′ S 116° 41.4′ E	**Fl.(6)W.** period 15s	250 **76**	10	Hut; 8.	
	PORT OF DAMPIER:						
9340.2	-*Sea Buoy.*	20° 25.4′ S 116° 43.0′ E	**Fl.(4)Y.** period 10s			SPECIAL Y, conical.	
	-RACON		**M(– –)**				(3 & 10cm).
9340.5 *K 1691*	-Fairway beacon.	20° 32.0′ S 116° 42.2′ E	**Fl.G.** period 3s		8	STARBOARD (A) G, pile, topmark.	Channel marked by lights.
9340.7 *K 1691.205*	-Parker Point Wharf, off W. end.	20° 38.2′ S 116° 43.0′ E	**F.R.**				
9340.72 *K 1691.207*	--Off elbow.	20° 38.2′ S 116° 43.2′ E	**F.R.**				F.R. and 2 F.Y. mark service wharf close E.
9340.8 *K 1691.4*	-King Bay, Fairway No 1.	20° 37.7′ S 116° 44.1′ E	**L.Fl.W.** period 10s	26 **8**	5	SAFE WATER RW, beacon, topmark.	Channel marked by lights.
9340.82 *K 1691.41*	-King Bay Range 7, front.	20° 37.7′ S 116° 44.8′ E	**Q.G.**	23 **7**	3	Green beacon, white triangular daymark point up.	
9340.83 *K 1691.411*	--Rear A, 250 meters 095° from front.	20° 37.8′ S 116° 44.9′ E	**Iso.W.** period 4s	33 **10**	4	Black beacon, white triangular daymark point down.	
9340.9 *K 1691.55*	-Roe Point.	20° 37.9′ S 116° 39.9′ E	**Fl.(3)G.** period 5s		3	STARBOARD (A) G, beacon, topmark.	
9340.92 *K 1691.65*	-Channel Reef.	20° 38.3′ S 116° 39.2′ E	**Q.G.**			STARBOARD (A) G, beacon, topmark.	
9340.94 *K 1691.66*	-South Reef.	20° 39.0′ S 116° 39.0′ E	**Fl.(3)R.** period 10s			PORT (A) R, beacon, topmark.	
9340.96 *K 1691.62*	-Mistaken Island Wharf, E. end.	20° 39.1′ S 116° 39.6′ E	**Iso.R.** period 6s		7		Iso.R. 6s 7M marks W. end.
9340.97 *K 1691.57*	-E. Intercourse Island Layby Berth Range, front.	20° 39.1′ S 116° 40.1′ E	**Q.Bu.**	36 **11**	2	Metal pile, platform, yellow triangular daymark point up.	
9340.98 *K 1691.58*	--Rear, 242°31′ from front.	20° 39.1′ S 116° 40.1′ E	**Iso.Bu.** period 4s	36 **11**	2	Metal pile, platform, yellow triangular daymark point down.	
9341 *K 1691.78*	-E. Intercourse Island.	20° 39.2′ S 116° 41.0′ E	**F.R.**	203 **62**	3		
9341.2 *K 1691.7*	--Hamersly Wharf, off E. end.	20° 38.9′ S 116° 40.6′ E	**F.R.**		4		F.R. 4M marks W. end.
9341.5 *K 1691.77*	-Port Control Tower.	20° 39.3′ S 116° 40.8′ E	**F.R.**		6	Control tower.	
9341.7 *K 1691.8*	-Hampton Harbor.	20° 40.1′ S 116° 41.4′ E	**Dir.F.W.R.G.**		3		Channel marked by lights.
9341.75 *K 1691.82*	--227°.	20° 39.8′ S 116° 41.1′ E	**Dir.F.W.R.G.**		2		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9342 *K 1691.85*	-Mermaid Sound Range, common front, No 9.	20° 32.8′ S 116° 43.2′ E	**Q.Bu.**	19 **6**	6	Yellow and green pile structure, double cone daymark points up.	Synchronized with rear lights. **Radar reflector.**
9342.1 *K 1691.84*	--Rear, 577 meters 189° from front, No 9S.	20° 33.1′ S 116° 43.1′ E	**Iso.Bu.** period 4s	59 **18**	6	Yellow and green pile structure, triangular daymark point down.	**Radar reflector.**
9342.2 *K 1691.86*	--Rear about 286 meters 312° from front, No 9W.	20° 32.7′ S 116° 43.0′ E	**Iso.Bu.** period 4s	49 **15**	6	Yellow and green pile structure, triangular daymark point down.	**Radar reflector.**
9343.2 *K 1691.88*	-Range, front, No 16.	20° 35.2′ S 116° 46.0′ E	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	19 **6**	8	Black pile, white triangular daymark point up.	
9343.4 *K 1691.881*	--Rear A, 480 meters 132° from front.	20° 35.4′ S 116° 46.2′ E	**Oc.G.** period 5s	46 **14**	8	Orange pile structure, triangular daymark point down.	
9343.5 *K 1691.92*	-Withnell Bay Terminal.	20° 35.1′ S 116° 45.7′ E	**Fl.R.** period 3s	20 **6**	3	Gray post.	
9343.6 *K 1691.969*	-Dampier Cargo Wharf.	20° 37.1′ S 116° 45.1′ E	**F.Bu.**	194 **59**	6		
9344 *K 1690*	Legendre Island.	20° 21.5′ S 116° 50.6′ E	**Fl.(2)W.** period 10s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 6.6s	108 **33**	14	White fiberglass hut; 13.	
9346 *K 1690.2*	Nickol Bay.	20° 43.5′ S 116° 53.7′ E	**2 Fl.G.** period 2s				
	PORT OF WALCOTT:						
9348 *K 1685.4*	-Cape Lambert, oreloading jetty, head.	20° 34.5′ S 117° 12.3′ E	**F.R.**	69 **21**	2	Neon rectangular daymark.	2 F.R. neon daymarks on each head dolphin. Ore Wharf (conveyor) marked by 5 F.W. and 1 F.Bu.
9353 *K 1685.8*	Sams Creek Reef.	20° 35.5′ S 117° 12.3′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
9357 *K 1685.9*	Point Samson Reef.	20° 37.6′ S 117° 12.2′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, beacon, topmark.	
9362	*Buoy C1.*	20° 23.5′ S 117° 25.3′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, pillar, topmark.	
	RACON		**K(– • –)** period 48s		10		(3 & 10cm).
9364 *K 1683.85*	AVIATION LIGHT.	20° 23.0′ S 118° 37.7′ E	**Al.Fl.W.G.** period 7.5s	98 **30**	**27**	Control tower.	Occasional.
	PORT HEDLAND:						
9374 *K 1676*	-C1.	19° 59.5′ S 118° 26.2′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	26 **8**	10	Gray metal pile, green triangular daymark point up.	Approach and channel to Port Hedland marked by lighted beacons C3 through No 51.
	-RACON		**G(– – •)**		11		(3 & 10cm).
9375 *K 1676.2*	-C2.	19° 59.6′ S 118° 26.4′ E	**Fl.R.** period 2s fl. 0.5s, ec. 1.5s	26 **8**	6	Gray metal pile, red square daymark; 20.	
9375.5 *K 1675.8*	-No 2E.	20° 03.1′ S 118° 32.8′ E	**Q.(9)W.** period 15s	36 **11**	6	W. CARDINAL YBY, buoyant beacon, topmark.	
9376 *K 1679.2*	-Newman Range, front.	20° 15.7′ S 118° 35.2′ E	**Q.W.**	63 **19**	9		
9380 *K 1679.21*	--Rear, 760 meters 137°53′ from front.	20° 16.0′ S 118° 35.5′ E	**Iso.W.** period 4s	91 **28**	10		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9384 *K 1680*	-Goldsworthy and Spoil Ground Range, common front.	20° 17.5′ S 118° 35.5′ E	**Q.W.**	30 **9**	10		
			Q.Bu.		2		Visible 042°-052°.
9388 *K 1679.99*	--Goldsworthy, middle, 400 meters 156° from common front.	20° 17.7′ S 118° 35.6′ E	**Iso.W.** period 4s	49 **15**	10		
9392 *K 1679.98*	--Goldsworthy, rear, 1.11 miles 156° from common front.	20° 18.6′ S 118° 36.0′ E	**F.Bu.**	88 **27**	12	Red framework tower; 89.	F.R. by day.
9393 *K 1680.01*	--Spoil ground, rear, 613 meters 046°48′ from common front.	20° 17.3′ S 118° 35.8′ E	**Fl.Bu.** period 2s				Visible 042°-052°.
9396 *K 1681.9*	-Utah and Airey Range, common front.	20° 18.9′ S 118° 34.0′ E	**F.R.**	131 **40**			
			F.Bu.	26 **8**	4		Visible 212°-232°.
9398 *K 1681.91*	--Utah, rear, 297°48′ from common front.	20° 18.9′ S 118° 34.0′ E	**F.R.**	59 **18**			
9400 *K 1682*	-Airey Range, rear, 221°48′ from common front.	20° 19.0′ S 118° 34.0′ E	**F.Bu.**	33 **10**	4		Visible 180°-000°.
	-Leslie Range, rear.		**F.R.**	144 **44**			
9404 *K 1681.99*	-Leslie Range, front, 143 meters 107°42′ from rear.	20° 19.1′ S 118° 34.0′ E	**F.R.**	121 **37**			
9408 *K 1683.835*	-Anderson Range, front.	20° 19.5′ S 118° 34.4′ E	**Q.R.**	30 **9**	2	Beacon, triangular daymark point up.	
9412 *K 1683.836*	--Rear, 230 meters 155°32′ from front.	20° 19.6′ S 118° 34.6′ E	**Fl.R.** period 2s	47 **14**	2	Beacon, triangular daymark point down.	
9413 *K 1683.7*	-Shelf Range, front.	20° 19.1′ S 118° 33.9′ E	**F.R.**			Beacon, triangular daymark point up.	
9413.1 *K 1683.71*	--Rear, 105 meters 279°19′ from front.	20° 19.1′ S 118° 33.8′ E	**F.R.**			Beacon, triangular daymark point down.	
9414 *K 1683.811*	-Nelson Range, front.	20° 19.6′ S 118° 34.9′ E	**F.R.**	26 **8**		Beacon, red triangular daymark point up.	
9414.5 *K 1683.812*	--Rear, 125 meters 116°54′ from front.	20° 19.5′ S 118° 35.0′ E	**F.R.**	39 **12**		Beacon, red triangular daymark point down.	
9416 *K 1675*	Bedout Island.	19° 35.3′ S 119° 06.1′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	79 **24**	12	Steel framework tower, white lantern; 66.	
	RACON		**O(– – –)** period 120s		**15**		(3 & 10cm).
	ROWLEY SHOALS:						
9424 *K 1674*	**-Imperieuse Reef.**	17° 31.1′ S 118° 56.9′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	100 **30**	**16**	Steel column; 98.	
	-RACON		**Q(– – • –)** period 120s		**16**		(3 & 10cm).
	ROEBUCK BAY:						
9428 *K 1660*	**-Gantheaume Point.**	17° 58.4′ S 122° 10.6′ E	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	108 **33**	**18**	Steel framework tower, white lantern; 79.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9432 *K 1662*	-Entrance Point.	18° 00.3′ S 122° 12.4′ E	**Fl.W.R.** period 5s	106 **32**	W. 10 R. 8	Framework tower; 16.	R. 139°-319°, W.-139°.
9436 *K 1663*	-AVIATION LIGHT.	17° 57.1′ S 122° 14.0′ E	**Fl.W.** period 10s	65 **20**	**26**		Occasional. **Aero Radiobeacon** 0.8 mile NNW.
9438 *K 1662.5*	-Broome, Deep Water Approach Range, front.	18° 00.1′ S 122° 13.1′ E	**F.Bu.**	52 **16**	6	Tapered metal tower, orange triangular daymark point up; 39.	
9438.1 *K 1662.51*	--Rear, 140 meters 022° from front.	18° 00.0′ S 122° 13.1′ E	**F.Bu.**	72 **22**	6	Tapered metal tower, orange triangular daymark point down; 56.	
9445 *K 1669.3*	-Channel Rock.	18° 00.6′ S 122° 12.9′ E	**Fl.(2)W.** period 5s	23 **7**	3	ISOLATED DANGER BRB, beacon, topmark.	
9445.4 *K 1669*	-Jetty, head.	18° 00.0′ S 122° 13.1′ E	**F.R.**		1		
9445.6 *K 1669.4*	-Mooring Buoy Range, front.	18° 00.2′ S 122° 12.7′ E	**F.Bu.**		2		
9445.61 *K 1669.41*	--Rear, 37 meters 234° from front.	18° 00.2′ S 122° 12.7′ E	**F.Bu.**		2		
9447 *K 1659*	**Red Bluff.**	17° 03.3′ S 122° 19.1′ E	**Fl.(2)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	157 **48**	**15**	White fiberglass hut; 13.	
9448 *K 1658*	**East Island.**	16° 54.0′ S 122° 11.9′ E	**Fl.W.** period 2s fl. 0.1s, ec. 1.9s	82 **25**	**15**	Steel framework tower; 56.	
9452 *K 1650*	**Cape Leveque.**	16° 23.8′ S 122° 55.7′ E	**Fl.W.** period 12s fl. 0.2s, ec. 11.8s	142 **43**	**21**	White metal tower, lantern; 43.	
	KING SOUND:						
9456 *K 1654*	-Black Rocks.	17° 05.2′ S 123° 35.4′ E	**L.Fl.W.** period 12s fl. 2s, ec. 10s	39 **12**	12		
9460 *K 1656*	-Derby Range, front.	17° 17.5′ S 123° 36.7′ E	**Q.W.**	46 **14**	6	Orange triangular daymark point up.	
9464 *K 1656.1*	--Rear, 400 meters 138°44′ from front.	17° 17.7′ S 123° 36.8′ E	**Iso.W.** period 4s	79 **24**	6	Orange triangular daymark point down.	
	BUCCANEER ARCHIPELAGO:						
9468 *K 1646*	-Caffarelli Island.	16° 02.5′ S 123° 16.9′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	222 **68**	12	White metal tower, white lantern; 20.	
9472 *K 1643*	-Tanner Islet, summit.	16° 05.7′ S 123° 31.8′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	77 **23**	12	White concrete tower, lantern; 20.	
9500 *K 1640*	**-Adele Island.**	15° 30.6′ S 123° 09.4′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	102 **31**	**15**	Red metal framework tower; 98.	
	-RACON		**C(– • – •)**		**16**		(3 & 10cm).
9504 *K 1642*	Browse Island.	14° 06.5′ S 123° 32.9′ E	**Fl.(2)W.** period 6s fl. 1s, ec. 5s	56 **17**	11	White five-sided fiberglass tower; 36.	
	RACON		**O(– – –)**		13		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9508 *K 1641*	Degerando Island.	15° 20.2′ S 124° 11.6′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	120 **37**	12	White round metal house; 20.	
	SAHUL BANKS:						
9511 *K 1639.3*	*-SPM Skua.*	12° 40.3′ S 124° 32.4′ E	**Mo.(U)W.** period 15s			Turret mooring.	
9512 *K 1638*	Lesueur Island.	13° 49.1′ S 127° 16.0′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	67 **20**	11	Steel framework tower, fiberglass hut; 56.	
	CAMBRIDGE GULF:						
9516 *K 1636*	**-Lacrosse Island.**	14° 44.3′ S 128° 17.8′ E	**Fl.W.** period 7.5s fl. 0.1s, ec. 7.4s	370 **113**	**17**	White round metal hut; 20.	
	-RACON		**M(– –)**		**27**		(3 & 10cm).
9518 *K 1636.3*	-Adolphus Island, Nicholls Point.	15° 02.5′ S 128° 07.6′ E	**Fl.W.** period 5s fl. 1s, ec. 4s		10	White structure.	
9520 *K 3318*	Cape Fourcroy.	11° 47.8′ S 130° 01.5′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	98 **30**	12	White metal framework tower; 49.	Visible 316°-200°.
	CLARENCE STRAIT:						
	-Port Darwin:						
9524 *K 3321*	**--Charles Point.**	12° 23.4′ S 130° 37.9′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	128 **39**	**17**	White framework tower, red bands, central column, white lantern; 105.	
9528 *K 3324*	**--Emery Point.**	12° 27.2′ S 130° 48.9′ E	**Fl.(3)W.R.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	60 **18**	W. **19** R. 14	White metal framework tower; 30.	W. 335°-139°, R.-181°. 2 F.R. 8M on water tank 1 mile E. **Aero Radiobeacon** 9.2 miles E.
9529 *K 3325*	--Fannie Bay Sandspit.	12° 27.1′ S 130° 48.9′ E	**Q.(2)Bu.** period 5s	13 **4**	4	Black metal pole; 13.	
9532 *K 3323*	--AVIATION LIGHT, 8.7 km 055° from Emery Point Light.	12° 24.6′ S 130° 52.9′ E	**Al.Fl.W.G.** period 10s	236 **72**	**26**	Tower.	2 F.R. on radio masts 0.1 mile SW., F.R. and Fl.R. on sign 0.4 mile ENE.
9533 *K 3328*	--Naval Base Range, front.	12° 27.6′ S 130° 49.3′ E	**F.G.**	33 **10**	3	Mast, white square daymark, green stripe.	
9533.1 *K 3328.1*	---Rear, 82 meters 305°55′ from front.	12° 27.6′ S 130° 49.3′ E	**F.R.G.**	46 **14**	3	Mast, white square daymark, green stripe.	
9534 *K 3328.3*	---W. breakwater, head.	12° 27.7′ S 130° 49.4′ E	**Fl.(2)R.** period 5s	20 **6**	4	White fiberglass hut.	Visible 295°-088°. F.R. marks end of jetty 400 yards NW.
9535 *K 3328.4*	---E. breakwater, head.	12° 27.7′ S 130° 49.6′ E	**Fl.(2)G.** period 5s	16 **5**	6	Mast, square concrete base.	
9535.4 *K 3328.402*	--Frances Bay.	12° 27.3′ S 130° 50.9′ E	**2 F.R.**				Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
	-East Arm Port:						
9535.5 *K 3328.6*	--East Arm Port Range, front.	12° 29.7′ S 130° 53.1′ E	**F.Bu.**	19 **6**	6	White beacon.	
9535.51 *K 3328.61*	---Rear, 200 meters 121°55′ from front.	12° 29.8′ S 130° 53.2′ E	**F.Bu.**	36 **11**	6	White beacon.	
			Q.Bu.		3		Visible 212°-032°.
9535.53 *K 3328.48*	--B01.	12° 29.2′ S 130° 51.8′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by beacons.
9535.55 *K 3328.5*	--NW End.	12° 29.2′ S 130° 52.6′ E	**Oc.R.** period 3s				
9535.6 *K 3329*	--South Shell Island.	12° 29.8′ S 130° 53.1′ E	**Fl.(2)R.** period 4s			PORT (A) R, beacon, topmark.	
9535.65 *K 3329.2*	--Old Man Rock.	12° 29.9′ S 130° 54.2′ E	**Q.(3)R.** period 6s	7 **2**		PORT (A) R, beacon, topmark.	
9535.66 *K 3329.61*	--L01A, front.	12° 30.6′ S 130° 53.7′ E	**F.Bu.**			Beacon, triangular daymark point up.	
			Fl.Y. period 2s				
9535.661 *K 3329.62*	---Rear, 128°42′ from front.	12° 30.7′ S 130° 53.8′ E	**F.Bu.**			Beacon, triangular daymark point down.	
			Fl.Y. period 2s				
9535.67 *K 3329.541*	--L02A, front.	12° 30.5′ S 130° 55.3′ E	**F.Bu.**			Beacon, triangular daymark point up.	
			Fl.Y. period 2s				
9535.671 *K 3329.542*	---Rear, 094°18′ from front.	12° 30.5′ S 130° 55.4′ E	**F.Bu.**			Beacon, triangular daymark point down.	
			Fl.Y. period 2s				
9535.7 *K 3329.7*	-Wickham Point LNG Jetty Range, front.	12° 31.6′ S 130° 51.7′ E	**F.Bu.**			Beacon.	
9535.71 *K 3329.8*	--Rear, 1800 meters 072°12′ from front.	12° 31.5′ S 130° 51.8′ E	**F.Bu.**			Beacon.	
9535.9 *K 3330*	-Fish Reef.	12° 25.9′ S 130° 26.6′ E	**L.Fl.W.R.** period 10s fl. 2s, ec. 8s	33 **10**	W. 10 R. 8	Concrete tower.	W. 056°-257°, R.-056°.
9536 *K 3317*	-Southwest Vernon Island.	12° 05.9′ S 131° 01.9′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	26 **8**	10	White fiberglass hut, concrete column; 16.	**Radar reflector.**
9538 *K 3317.5*	-Northwest Vernon Island.	12° 02.9′ S 130° 59.8′ E	**Fl.(2)W.R.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 **9**	W. 10 R. 8	White fiberglass hut, pile structure; 30.	W. 305°-020°, R.-061°, W.-244°.
9540 *K 3316*	-East Vernon Island, S. side.	12° 04.6′ S 131° 05.7′ E	**Fl.W.R.G.** period 5s fl. 1s, ec. 4s	39 **12**	W. 11 R. 8 G. 8	White fiberglass hut, metal framework tower, concrete pile; 36.	W. 250°-042°, R.-088°, W.-094°, G.-105°.
9544 *K 3315*	-Cape Hotham.	12° 02.8′ S 131° 17.4′ E	**Fl.(3)W.R.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	56 **17**	W. 12 R. 9	White metal framework tower; 52.	R. 025°-070°, W.-025°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9548 *K 3314*	**Cape Don.**	11° 18.5′ S 131° 45.9′ E	**Fl.W.** period 12s fl. 0.1s, ec. 11.9s	163 **50**	**20**	Gray concrete tower, white lantern; 118.	
9552 *K 3313*	**New Year Island.**	10° 54.4′ S 133° 02.1′ E	**Fl.(3)W.** period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	104 **32**	**16**	White metal framework tower; 98.	
9552.2 *K 3313.4*	Cape Croker.	10° 58.8′ S 132° 35.5′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	105 **32**	10	White fiberglass hut; 13.	Visible 075°-347°.
9552.5 *K 3312.8*	Haul Round Island.	11° 53.5′ S 134° 12.7′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 **12**	10	White fiberglass tower; 23.	
9553 *K 3312.5*	Stevens Island.	11° 32.7′ S 136° 07.3′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 **14**	10	White fiberglass tower; 20.	Visible 083°-006°.
9556 *K 3312*	**Cape Wessel.**	11° 00.3′ S 136° 45.6′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	177 **54**	**17**	White fiberglass hut, stainless steel framework tower; 98.	
	RACON		**Y(– • – –)**		**20**		(3 & 10cm).
9560 *K 3311*	**Truant Island.**	11° 40.2′ S 136° 50.0′ E	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	128 **39**	**17**	Round metal tower; 49.	
9564 *K 3310.5*	Veronica Islet.	12° 02.6′ S 136° 47.1′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	66 **20**	10	White fiberglass hut; 7.	
	GOVE HARBOR:						
9565 *K 3309*	-Five Fathoms.	12° 12.7′ S 136° 40.4′ E	**Q.R.**			Red pile.	
9566 *K 3310*	-Half Tide Rock.	12° 12.7′ S 136° 41.4′ E	**Fl.(2)W.** period 10s			Black beacon, red band.	
9567 *K 3310.2*	-General Cargo Wharf.	12° 12.3′ S 136° 40.8′ E	**Fl.R.** period 4s			Dolphin.	
9568 *K 3305*	**North East Islet.**	13° 38.0′ S 136° 57.1′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	205 **62**	**17**	White fiberglass hut; 7.	
9572 *K 3306*	Bickerton Island.	13° 47.2′ S 136° 16.9′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	78 **24**	9	White fiberglass hut; 7.	Visible 200°-027°.
9576 *K 3307*	Connexion Island.	13° 50.2′ S 136° 20.0′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	43 **13**	7	White fiberglass tower; 36.	Visible 344°-219°.
9578 *K 3307.4*	Milner Bay, jetty, N. end.	13° 51.6′ S 136° 24.9′ E	**F.R.**				
9580 *K 3308*	Brady Rock.	13° 40.9′ S 136° 27.0′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	50 **15**	10	White hut; 7.	
9580.8 *K 3304.9*	**Bing Bong.**	15° 37.7′ S 136° 23.3′ E	**Dir.W.R.G.**	20 **6**	W. **17** R. 14 G. 14		F.G. 195°19′-196°38′, Al.W.G.-196°50′, F.W.-197°17′, Al.W.R.-197°29′, F.R.-198°49′.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9582 *K 3304.8*	Albert River.	17° 34.5′ S 139° 46.0′ E	**Fl.W.** period 6s	29 **9**	10	Framework tower; 30.	
9592	*Carpentaria Shoal.*	10° 44.5′ S 141° 03.2′ E	**Fl.(2)W.** period 8s			ISOLATED DANGER BRB, pillar, topmark.	
	RACON		**G(– – •)**		9		(3 & 10cm).
9596 *K 3297*	**Duyfken Point.**	12° 34.2′ S 141° 35.9′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	161 **49**	**17**	White fiberglass hut, stainless steel framework tower; 98.	Visible 290°-175°, partially obscured 175°-190°.
	RACON		**K(– • –)**		**19**		(3 & 10cm).
	ALBATROSS BAY:						
	-Port of Weipa:						
9600 *K 3297.4*	--S. Channel Fairway Beacon.	12° 42.1′ S 141° 40.0′ E	**L.Fl.W.** period 10s				
9604 *K 3297.74*	--Entrance, No 2.	12° 42.0′ S 141° 42.0′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
9608 *K 3297.72*	--Entrance, No 1.	12° 42.0′ S 141° 42.0′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
9612 *K 3298*	--Range, front.	12° 40.1′ S 141° 50.4′ E	**F.G.**	46 **14**		White metal tower.	F.W. by day.
9616 *K 3298.1*	---Rear, 1.7 miles 078° from front.	12° 39.8′ S 141° 52.0′ E	**F.G.**	144 **44**		White metal tower.	F.W. by day.
	TORRES STRAIT AND APPROACH:						
9620 *K 3274*	**-Booby Island.**	10° 36.3′ S 141° 54.7′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	121 **37**	**20**	White round tower, red dome; 59.	
9624 *K 3270*	-Goods Island Range, front.	10° 33.6′ S 142° 09.2′ E	**Fl.W.R.** period 2.5s fl. 0.5s, ec. 2s	26 **8**	W. 10 R. 7	White fiberglass hut; 7.	R. 085°-180°, W.-085°. Obscured by Hammond and Goods Islands.
9628 *K 3270.1*	--Western Hill, rear, 505 meters 199° from front.	10° 33.9′ S 142° 09.1′ E	**Fl.W.** period 2.5s	345 **105**	14	White round tower, red dome; 16.	Visible 064°-238° and 290°-295°. Synchronized with front. **AIS** (MMSI No 995031023).
9636 *K 3268*	-Thursday Island Range, front.	10° 34.7′ S 142° 12.4′ E	**F.Bu.**				F.W. by day.
9640 *K 3268.1*	--Rear, 65 meters 094°12′ from front.	10° 34.7′ S 142° 12.5′ E	**Dir.W.R.G.**				F.G. 091.7°-093.8°, F.W.-094.7°, F.R.-096.8°.
9648 *K 3268.5*	-Vivien Point.	10° 35.3′ S 142° 12.6′ E	**Q.R.**			PORT (A) R, beacon, topmark.	
9652 *K 3266*	-Hammond Rock.	10° 30.9′ S 142° 12.8′ E	**Fl.(2)W.R.G.** period 10s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 5.5s	43 **13**	W. 10 R. 7 G. 7	White structure; 6.	G. 039°-063°, W.-262°, R.-307°.
9654 *K 3266.5*	-North West Reef.	10° 29.0′ S 142° 14.8′ E	**Iso.W.** period 5s	23 **7**	11	White fiberglass hut, white column; 19.	**Radar reflector.**
9656 *K 3267*	-Hammond Island, N. extremity, Turtle Head.	10° 31.3′ S 142° 13.2′ E	**Dir.Fl.W.R.G.** period 2.5s	62 **19**	W. 10 R. 7 G. 7	White fiberglass hut; 7.	G. 237°-246°, W.-251°, R.-259°.
9658 *K 3265.2*	-Prince of Wales Channel. Nardana Patches.	10° 30.3′ S 142° 14.6′ E	**Fl.(4)R.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 **9**	9	White hut, white pile; 26.	Visible 235°-122°. Helicopter pad.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9660 *K 3262*	-Wednesday Island, Ince Point.	10° 30.4′ S 142° 18.8′ E	**Fl.(3)W.R.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	131 **40**	W. 10 R. 7	White hut; 20.	W. 050°-092°, R.-102°, W.-300°, R.-345°.
9662 *K 3263*	-Tuesday Islets, No 4.	10° 33.2′ S 142° 19.8′ E	**Fl.W.R.G.** period 2.5s	39 **12**	W. 10 R. 7 G. 7	White hut; 13.	W. 269°-075°, G.-086°, W.-094°, R.-101°, W.-195°, R.-210°, W.-245°. **Radar reflector.**
9662.1 *K 3262.9*	--Beacon.	10° 33.1′ S 142° 19.6′ E	**Fl.Y.** period 2s			SPECIAL Y, beacon, topmark.	
9664 *K 3265*	-Normanby Sound Range, front.	10° 35.7′ S 142° 13.2′ E	**Q.Y.**			Beacon, white triangular daymark point up, black stripe.	
			Fl.G. period 2.5s				
9668 *K 3265.1*	--Rear, 1.2 miles 112°18′ from front.	10° 36.2′ S 142° 14.4′ E	**Iso.W.** period 2s			Beacon, white rectangular daymark, black stripe.	
9672 *K 3264*	-Horn Island AVIATION LIGHT.	10° 35.7′ S 142° 19.1′ E	**Oc.R.** period 1.5s lt. 1s, ec. 0.5s	376 **115**	11		Obstruction light. Occasional.
9676 *K 3260*	-Twin Island.	10° 27.8′ S 142° 26.9′ E	**Fl.W.R.** period 5s fl. 1s, ec. 4s	226 **69**	W. 10 R. 7	White fiberglass hut; 20.	R. 088°-100°, W.-088°.
9680 *K 3258*	-East Strait Island Range, front.	10° 29.8′ S 142° 26.8′ E	**Q.W.**	19 **6**	14	White hut, concrete column; 22.	Visible 085°-095°.
9684 *K 3258.1*	--Rear, 545 meters 090° from front.	10° 29.8′ S 142° 27.1′ E	**Fl.W.** period 10s fl. 2s, ec. 8s	82 **25**	**15**	White and red checkered hexagonal fiberglass tower; 49.	
9688 *K 3278*	-Harvey Rocks.	10° 18.7′ S 142° 41.1′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	49 **15**	11	White fiberglass hut, red framework tower; 26.	
9689 *K 3278.7*	-Ackers Shoal.	10° 18.6′ S 142° 48.7′ E	**Q.(6)+L.Fl.W.** period 15s	23 **7**	6	Pile, platform; 20.	**Radar reflector.**
9690 *K 3278.5*	-Kirkcaldie Reef.	10° 20.0′ S 142° 50.0′ E	**Fl.W.R.** period 2.5s fl. 0.5s, ec. 2s	29 **9**	W. 10 R. 8	Red fiberglass hut, white concrete column; 26.	W. 214°-205°, R-214°.
	-RACON		**K(– • –)**		11		(3 & 10cm).
9692 *K 3279*	-Sue Islet.	10° 12.0′ S 142° 49.2′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 **7**	10	White fiberglass hut, concrete column; 16.	Visible 005°-288°.
9696 *K 3280*	-Bet Reef.	10° 10.3′ S 142° 55.8′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	27 **8**	10	White fiberglass hut, red framework tower; 23.	Visible 070°-054°. Partially obscured 054°-070°.
9698 *K 3282*	-Caldbeck Reef.	10° 06.3′ S 143° 10.0′ E	**Fl.(4)W.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	23 **7**	10	Rectangular daymark, white pile; 20.	**Radar reflector.**
9700 *K 3284*	-Dove Islet.	10° 00.0′ S 143° 02.4′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	33 **10**	10	White fiberglass hut, framework tower; 26.	
9702 *K 3286*	-Sugar Ran Reef.	9° 53.8′ S 143° 13.1′ E	**Fl.R.** period 2.5s fl. 0.5s, ec. 2s	33 **10**	6	Red pile, red square daymark, red hut; 23.	**Radar reflector.**
9704 *K 3285*	-Arden Islet.	9° 52.1′ S 143° 10.1′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	53 **16**	10	White metal framework tower; 42.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-NORTH COAST				
9706 *K 3287*	Smith Cay.	9° 45.9′ S 143° 19.2′ E	**Q.(9)W.** period 15s	30 **9**	11	W. CARDINAL YBY, pile, topmark; 23.	**Radar reflector.**
	RACON		**B(– • • •)**		11		(3 & 10cm).
9708 *K 3288*	-Dalrymple Islet, W. end.	9° 36.9′ S 143° 17.9′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	79 **24**	10	White fiberglass hut, stainless steel framework tower; 75.	
	-RACON		**M(– –)**		**15**		(3 & 10cm).
9712 *K 3292*	**-Bramble Cay.**	9° 08.5′ S 143° 52.6′ E	**Fl.(4)W.** period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	62 **19**	**16**	Steel framework tower, white fiberglass hut; 56.	
	-RACON		**K(– • –)**		14		(3 & 10cm).
9714 *K 3290*	-East Cay.	9° 24.1′ S 144° 14.3′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	105 **32**	14	Red fiberglass tower, metal framework four-piled structure; 102. Helicopter platform.	
	-RACON		**G(– – •)**		**16**		(3 & 10cm).
9721 *K 3257*	Red Island Range, front.	10° 50.3′ S 142° 22.8′ E	**Q.Y.**		6	Beacon, triangular topmark point up.	
9722 *K 3257.1*	-Rear, 85 meters 112°30′ from front.	10° 50.3′ S 142° 22.8′ E	**Iso.W.** period 2s		8	Beacon, triangular topmark point down.	

Section 10

Northeast Coast of Australia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
	ADOLPHUS CHANNEL:						
9724 *K 3256*	**-Eborac Island.**	10° 40.9′ S 142° 32.0′ E	**Fl.(2)W.** period 10s	118 **36**	**16**	White square concrete house, white lantern; 20.	
9728 *K 3254*	-Albany Rock.	10° 43.1′ S 142° 37.8′ E	**Fl.W.R.G.** period 5s	85 **26**	W. 11 R. 8 G. 8	White square concrete house, white lantern; 20.	W. 293°-302°, G.-145°, W.-160°, R.-293°.
9732 *K 3252*	-Wyborn Reef.	10° 49.2′ S 142° 46.5′ E	**Fl.(4)W.R.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	70 **21**	W. 11 R. 8	Steel framework tower, white lantern, concrete piles; 69.	R. 133°-143°, W.-133°. R. sector should not be relied upon as an aid to navigation between Mid Rock and Quetta Rock.
9736 *K 3250*	Cairncross Islets.	11° 14.4′ S 142° 55.2′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	89 **27**	10	Red metal framework tower, white fiberglass hut; 85.	
9740 *K 3248*	**Hannibal Islands.**	11° 35.6′ S 142° 56.7′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	92 **28**	**15**	Red framework tower, white fiberglass hut; 79.	
9744 *K 3244*	Clerke Island.	11° 58.4′ S 143° 17.4′ E	**Fl.W.R.** period 2.5s fl. 0.5s, ec. 2s	69 **21**	W. 10 R. 7	Red and white fiberglass tower; 52.	R. 137°-142°, W.-034°, R.-117°.
9748 *K 3243*	Moody Reef.	12° 05.0′ S 143° 15.5′ E	**Fl.(2)W.R.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	26 **8**	W. 10 R. 8	White concrete column, white fiberglass hut; 23.	R. 208°-251°, W.-208°.
9752 *K 3242.5*	Inset Reef.	12° 14.8′ S 143° 16.2′ E	**Fl.W.** period 7.5s fl. 1s, ec. 6.5s	26 **8**	10	Concrete column, white fiberglass hut; 23.	
9756 *K 3242*	Piper Reef.	12° 15.1′ S 143° 14.9′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	39 **12**	10	Steel framework tower, white lantern, concrete piles; 39.	
	RACON		**G(– – •)**		13		(3 & 10cm).
9760 *K 3241*	Weymouth Bay, Eel Reef.	12° 24.5′ S 143° 22.3′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	30 **9**	10	Metal framework tower, red fiberglass hut; 26.	**Radar reflector.**
9764 *K 3240.4*	-Middle Reef.	12° 31.5′ S 143° 23.7′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	26 **8**	11	White concrete column, white fiberglass hut; 23.	
9768 *K 3240*	Restoration Rock.	12° 37.3′ S 143° 27.8′ E	**Fl.(2)W.** period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	125 **38**	10	White fiberglass hut; 16.	
9769 *K 3239*	Quintal Beach Range, front.	12° 47.7′ S 143° 21.5′ E	**Q.Y.**	13 **4**		White post, white triangular daymark point up, black stripes.	
9770 *K 3239.1*	-Rear, 63 meters 305° from front.	12° 47.7′ S 143° 21.6′ E	**Iso.W.** period 2s	26 **8**		White post, white triangular daymark point down, black stripes.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
9772 *K 3238*	Wye Reef.	12° 48.4′ S 143° 36.5′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	23 **7**	10	White concrete column, white fiberglass hut; 20.	**Radar reflector.**
9773 *K 3233.15*	Sunk Reef.	12° 51.2′ S 143° 38.5′ E	**Iso.W.** period 3s	39 **12**	10	White hut, white pile.	**Radar reflector.**
9773.1 *K 3233.32*	Frederick Patches.	12° 52.3′ S 143° 38.2′ E	**Fl.G.** period 2.5s fl. 0.5s, ec. 2s	39 **12**	8	White hut, white pile.	**Radar reflector.**
9774 *K 3235.575*	Robin Reef.	12° 52.7′ S 143° 41.8′ E	**Fl.(2)W.R.** period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	69 **21**	W. 14 R. 11	White fiberglass tower, white pile; 66.	R. 112°-150°, W.-327°, R.-340°, W.-112°.
9776 *K 3236*	Chapman Island.	12° 53.1′ S 143° 35.8′ E	**Fl.W.R.** period 5s fl. 1s, ec. 4s	59 **18**	W. 11 R. 7	Steel framework tower, white lantern, concrete piles; 62.	R.134°-157°, W.-134°.
9779 *K 3235.57*	Osborne Reef.	12° 59.7′ S 143° 43.5′ E	**Fl.W.R.** period 7.5s fl. 1s, ec. 6.5s	39 **12**	W. 10 R. 8	White hut, white pile; 36.	W. 150°-342°, R.-150°. **Radar reflector.**
9779.1 *K 3233.53*	Colclough Reef.	13° 05.3′ S 143° 45.0′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 **12**	6	White hut, white pile; 36.	**Radar reflector.**
9780 *K 3234*	Waterwitch Reef.	13° 09.0′ S 143° 37.0′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	59 **18**	11	Steel framework tower, white lantern, concrete piles; 62.	
9781 *K 3235.05*	Diamond Reign Reefs.	13° 11.6′ S 143° 47.6′ E	**Fl.(2)W.R.G.** period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	72 **22**	W. 14 R. 11 G. 11	White fiberglass tower, white piles; 66.	R. 166°-173.18′, W.-309°, G.-329°, W.-331°30′, R.-350°, W.-166°.
	RACON		**K(– • –)**		14		(3 & 10cm).
9786 *K 3233.4*	First Three Mile.	13° 26.2′ S 143° 58.2′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	46 **14**	10	White fiberglass hut, white pile; 43.	W. 320°-160°. **Radar reflector.**
9788 *K 3232*	Heath Reef, near center.	13° 28.5′ S 143° 40.8′ E	**Fl.(3)W.R.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	36 **11**	W. 10 R. 8	Framework tower, white fiberglass hut, piles; 36.	R. 182°-217°, W.-182°.
9794 *K 3233.325*	South Creech Reef.	13° 39.7′ S 144° 06.0′ E	**Fl.(3)W.** period 15s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 7.5s	46 **14**	10	White hut, white pile.	**Radar reflector.**
9796 *K 3229*	Magpie Reef, W. end.	13° 48.4′ S 143° 44.9′ E	**Fl.W.R.** period 7.5s fl. 1s, ec. 6.5s	26 **8**	W. 11 R. 8	Concrete column, white fiberglass hut; 23.	R. 320°-337°, W.-320°.
9801 *K 3223.2*	Corbett Reef.	13° 54.1′ S 144° 14.3′ E	**Fl.W.** period 7.5s fl. 1s, ec. 6.5s	69 **21**	14	White fiberglass on deck, four white piles.	
	RACON		**B(– • • •)**		14		(3 & 10cm).
9802 *K 3227.5*	Iris Reef.	13° 58.1′ S 143° 50.2′ E	**Fl.W.R.G.** period 10s fl. 1s, ec. 9s	43 **13**	W. 14 R. 11 G. 10	Steel platform, red fiberglass tower, three pile structure; 36.	G. 129°-144°, W.-148°, R.-155°, W.-129°.

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			AUSTRALIA-EAST COAST				
9808 *K 3226.6*	Eden Reef.	14° 04.6′ S 143° 55.0′ E	**Fl.(4)W.R.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 **7**	W. 10 R. 7	White concrete column, white fiberglass hut; 20.	R. 121°-133°, W.-121°.
9812 *K 3226*	Wharton Reef.	14° 07.5′ S 144° 00.5′ E	**Fl.W.R.G.** period 5s fl. 1s, ec. 4s	46 **14**	W. 10 R. 7 G. 7	White fiberglass tower, concrete piles; 39.	G. 084°-097°, W.-126°, R.-229°, W.-084°.
9820 *K 3224*	Pipon Islands.	14° 07.7′ S 144° 30.9′ E	**Fl.(3)W.R.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	85 **26**	W. 10 R. 7	White fiberglass hut, steel framework tower; 82.	R. 059°-082°, W.-287°, R.-301°, W.-059°.
9824 *K 3222*	South Barrow Islet.	14° 20.8′ S 144° 39.2′ E	**Fl.W.R.G.** period 5s fl. 1s, ec. 4s	86 **26**	W. 10 R. 7 G. 7	White square concrete tower; 10.	G. 275°-290°, W.-305°, R.-315°, W.-275°.
9828 *K 3221.4*	Watson Island.	14° 27.5′ S 144° 53.6′ E	**Fl.(4)W.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	20 **6**	10	White hut, concrete column, platform; 33.	
9830 *K 3219.5*	Miles Reef.	14° 32.2′ S 144° 55.1′ E	**Fl.(2)W.** period 8s	43 **13**	10	Beacon.	
9832.1 *K 3221.1*	Megaera Reef.	14° 28.7′ S 144° 57.0′ E	**Fl.W.R.G.** period 2.5s fl. 0.5s, ec. 2s	30 **9**	W. 9 R. 7 G. 7	Pile structure with white fiberglass cabinet, piled steel platform, helicopter platform, walkway; 33.	R. 121°-131°, W.-270°, G.-280°, W.-121°.
9836 *K 3220*	Howick Island.	14° 29.5′ S 144° 58.7′ E	**Fl.(3)W.G.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	23 **7**	W. 11 G. 8	Concrete column, white fiberglass hut; 20.	G. 090°-100°, W.-090°.
9840 *K 3219*	Coquet Island.	14° 32.4′ S 144° 59.2′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	102 **31**	14	White hut, red metal framework tower; 89.	
9844 *K 3217*	Pethebridge Islet.	14° 43.9′ S 145° 06.1′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	20 **6**	10	White fiberglass hut; 10.	Visible 106°-067°.
9848 *K 3216*	Palfrey Islet.	14° 41.5′ S 145° 26.6′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	261 **80**	14	White square concrete tower; 16.	Visible 356°-190°.
9850 *K 3215.5*	Maxwell Reef.	14° 47.1′ S 145° 18.9′ E	**Fl.W.R.** period 10s fl. 1s, ec. 9s	30 **9**	W. 11 R. 8	Pile structure with white fiberglass cabinet, steel platform, helicopter platform, walkway; 26. Helicopter platform.	R. 140°-152°, W.-140°.
9852 *K 3215*	Decapolis Reef.	14° 51.1′ S 145° 16.4′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	20 **6**	10	Concrete column, white hut; 16.	**Radar reflector.**
9862 *K 3214.3*	-Cape Flattery.	14° 59.0′ S 145° 21.3′ E	**Mo.(U)W.** period 10s	26 **8**		Red beacon.	In line 215° with unlit beacon on elbow of Cape Flattery Wharf. Rear daymark 167m from front.
9862.2 *K 3214.25*	--Wharf, N. end.	14° 59.1′ S 145° 21.2′ E	**Mo.(U)W.** period 10s	26 **8**			
9862.4 *K 3214.2*	---Off S. end.	14° 59.2′ S 145° 21.3′ E	**Mo.(U)W.** period 10s	26 **8**			

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			AUSTRALIA-EAST COAST				
9864 *K 3214*	**Three Isles.**	15° 06.6′ S 145° 25.1′ E	**Fl.(3)W.** period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	88 **27**	**15**	Red metal framework tower, white fiberglass hut; 85.	**DGPS Station.**
	ENDEAVOUR RIVER:						
9868 *K 3208*	-Grassy Hill.	15° 27.6′ S 145° 15.3′ E	**Fl.(2)W.** period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	531 **162**	9	White round tower, red cupola; 20.	Visible 192°-315°. **Aero Radiobeacon** 1.5 miles S.
9872 *K 3210.1*	-Port of Cooktown Entrance, E. side.	15° 27.7′ S 145° 14.8′ E	**Fl.(2)W.** period 6s		4	Beacon.	Channel marked by beacons 1 thru 6, port and starboard marks, Fl.R. 2.5s and Fl.G. 2.5s, respectively.
9876 *K 3210.1*	--W. side.	15° 27.9′ S 145° 14.6′ E	**Fl.(2)W.** period 6s		4	Beacon.	
9880 *K 3207*	Egret Reef.	15° 28.6′ S 145° 24.3′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	26 **8**	10	White concrete column, white fiberglass hut; 23.	**Radar reflector.**
9884 *K 3206*	Bougainville Reef.	15° 29.3′ S 147° 07.1′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	49 **15**	10	Steel framework tower, white fiberglass hut, concrete piles; 46.	
9886 *K 3206.55*	Willis Islets.	16° 17.3′ S 149° 57.9′ E	**2 F.G.**				
9886.5 *K 3206.6*	**Lihou Reef.**	17° 07.8′ S 152° 08.5′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	108 **33**	**19**	Steel framework tower, red fiberglass hut, four piles; 112.	
	RACON		**K(– • –)**		**17**		(3 & 10cm).
9887 *K 3206.7*	**East Diamond Islet.**	17° 26.4′ S 151° 04.5′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	95 **29**	**17**	Framework tower, white fiberglass hut; 75.	
	RACON		**M(– –)**		**16**		(3 & 10cm).
9888 *K 3200*	**Archer Point.**	15° 35.6′ S 145° 19.7′ E	**Fl.(4)W.R.G.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	213 **65**	W. **17** R. 13 G. 13	White square concrete tower, white lantern; 20.	W. 153°-276°, G.-305°, W.-313°, R.-320°, G.-334°, W.-338°, R.-358°. **AIS** (MMSI No 005030078).
9892 *K 3196*	Gubbins Reef.	15° 42.6′ S 145° 23.8′ E	**Fl.(3)W.** period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	23 **7**	10	White concrete column, white fiberglass hut; 23.	
	RACON		**C(– • – •)**		10		(3 & 10cm).
9893 *K 3195.9*	Pickersgill Reef.	15° 51.4′ S 145° 33.3′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	26 **8**	11	White concrete tower, white fiberglass hut; 23.	
9893.3 *K 3195.95*	Bloomfield River.	15° 55.2′ S 145° 21.8′ E	**Fl.W.** period 3s			White beacon.	
9896 *K 3194*	**Low Islets.**	16° 23.0′ S 145° 33.6′ E	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	65 **20**	**17**	White round tower, red cupola; 69.	**AIS** (MMSI No 995031046).
9898 *K 3189*	Mossman River.	16° 25.9′ S 145° 24.4′ E	**Fl.W.** period 2.5s				

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			AUSTRALIA-EAST COAST				
	PORT DOUGLAS:						
9900 *K 3186*	-Island Point.	16° 28.9′ S 145° 28.0′ E	**Fl.(4)W.R.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	295 **90**	W. 14 R. 11	Metal framework tower; 131.	W. 162°-285°, R.-325°.
9903.5 *K 3185*	Palm Beach, jetty, head.	16° 44.4′ S 145° 40.4′ E	**F.G.**				
9903.6 *K 3184.5*	Half Moon Bay Marina, Range, front.	16° 48.0′ S 145° 43.0′ E	**Q.Bu.**			Beacon, triangular daymark point up.	
9903.61 *K 3184.51*	-Rear, 222° from front.	16° 48.1′ S 145° 42.9′ E	**Iso.Bu.** period 2s			Beacon, triangular daymark point down.	
9903.7 *K 3184.3*	-Beacon No 2.	16° 47.8′ S 145° 43.2′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
9903.75 *K 3184.35*	--No 1.	16° 47.8′ S 145° 43.2′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	Fl.G. 2.5s marks W. breakwater. Fl.R. 2.5s marks N. breakwater.
	CAIRNS HARBOR:						
9906 *K 3172.3*	-Channel Range, front, T1.	16° 54.7′ S 145° 47.1′ E	**Q.W.**			Beacon, rectangular daymark.	F.W. by day (occasional).
			Fl.Y. period 4s				
9908 *K 3172.31*	--Rear, 930 meters 209°12′ from front.	16° 55.2′ S 145° 46.8′ E	**Al.F.W.R.G.** period 4s	59 **18**	11		F.G. 208°51′-209°03′, Al.W.G.-209°12′, F.W.-209°18′, Al.W.R.-209°27′, F.R.-209°39′.
9910 *K 3173*	--C1.	16° 50.0′ S 145° 49.8′ E	**V.Q.(3)W.** period 5s			Beacon, two triangular daymarks bases together.	
9912 *K 3173.2*	--C2.	16° 50.0′ S 145° 49.9′ E	**Fl.R.** period 4s			Beacon.	
9916 *K 3180*	-Inner Cutting Range, front.	16° 54.3′ S 145° 47.3′ E	**Q.R.**				
			Fl.G. period 3s				
9920 *K 3180.1*	--Rear, 700 meters 013°03′ from front.	16° 53.9′ S 145° 47.3′ E	**Iso.R.** period 2s				
			Fl.G. period 3s				
9928 *K 3183*	-Admiralty Island.	16° 56.6′ S 145° 46.6′ E	**Fl.R.** period 2.5s		3	Beacon.	
9932 *K 3184*	-Cairns AVIATION LIGHT.	16° 52.5′ S 145° 45.3′ E	**Al.Fl.W.G.** period 7.5s	161 **49**	10		Occasional.
9948 *K 3166*	Euston Reef, W. side.	16° 41.1′ S 146° 14.9′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	56 **17**	10	Metal framework tower, white fiberglass tower; 52.	
	RACON		**K(– • –)**		13		(3 & 10cm).
9950 *K 3167*	Arlington Reef.	16° 43.4′ S 146° 06.7′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	26 **8**	10	White fiberglass hut, concrete column; 23.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
9952 *K 3170.2*	Green Island, outer channel.	16° 45.5′ S 145° 58.1′ E	**Fl.G.** period 4s				
9956 *K 3168*	**Little Fitzroy Island.**	16° 55.4′ S 146° 00.4′ E	**Fl.(3)W.R.G.** period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	108 **33**	W. **15** R. 12 G. 12	White fiberglass hut; 13.	W. 083°-197°, G.-214°, W.-223°, R.-240°, W.-020°.
9962	*Stagg Patches Buoy.*	17° 01.4′ S 146° 07.9′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, pillar, topmark.	
	RACON		**O(– – –)**				(3 & 10cm).
9964 *K 3162*	Russell Island.	17° 13.7′ S 146° 05.7′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	249 **76**	11	White metal framework tower, white hut; 56.	
9965 *K 3163*	Russell Heads.	17° 13.3′ S 145° 58.1′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s			Pipe beacon.	
9967 *K 3157*	Rocky Point.	17° 21.4′ S 146° 02.1′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
9968 *K 3150*	-Flying Fish Point.	17° 30.4′ S 146° 04.7′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	10 **3**	5	White tower, rectangular daymark.	
9972 *K 3140*	Mourilyan Harbor, approach.	17° 35.6′ S 146° 08.3′ E	**Fl.Y.** period 2.5s			SPECIAL Y, beacon, "X" topmark.	
9974 *K 3140.5*	-Entrance.	17° 36.0′ S 146° 08.0′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
9976 *K 3142*	-Entrance Range, front.	17° 36.1′ S 146° 07.2′ E	**F.W.** (neon)		4	Red triangular daymark point up, orange border.	Visible 262°-284°. F.W. by day (occasional).
9980 *K 3142.1*	--Rear, 287 meters 269°53′ from front.	17° 36.1′ S 146° 07.0′ E	**F.W.** (neon)		4	Red triangular daymark point down, orange border.	Visible 262°-284°. F.W. by day (occasional).
9984 *K 3141*	-Entrance on Hall Rock.	17° 36.1′ S 146° 08.0′ E	**Q.W.**		6	N. CARDINAL BY, beacon, topmark.	
9985 *K 3144*	-Goodman Point, N. entrance.	17° 36.0′ S 146° 07.7′ E	**Fl.G.** period 2s			Green beacon, triangular daymark point up.	
9986 *K 3145*	-S. entrance.	17° 36.1′ S 146° 07.7′ E	**Fl.W.** period 3s			Beacon, triangular daymark point up.	Rear unlit triangular daymark point down on beacon.
9988 *K 3138*	Kent Island.	17° 40.6′ S 146° 10.8′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	298 **91**	11	Square concrete tower, white fiberglass tower; 36.	Visible 137°-100°, faintly visible elsewhere.
9993 *K 3137.2*	-Clump Point.	17° 51.2′ S 146° 07.0′ E	**Fl.W.** period 2.5s			Pile.	
9998 *K 3133*	Rockingham Bay.	17° 59.4′ S 146° 04.6′ E	**Fl.W.** period 2.5s			White beacon, square daymark.	
9999 *K 3121.5*	Meunga Creek Entrance.	18° 13.9′ S 146° 01.1′ E	**Q.Y.**			SPECIAL Y, beacon, "X" topmark.	
10000 *K 3132*	Brook Islands, summit of South Island.	18° 09.4′ S 146° 18.3′ E	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	171 **52**	11	White framework tower; 59.	Obscured beyond North Brook Island 122°-132°.
10004 *K 3120.5*	Pith Reef.	18° 13.3′ S 147° 01.3′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	92 **28**	11	Steel framework tower, concrete piles; 92.	
	RACON		**G(– – •)**		**16**		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
10008 *K 3120.7*	-Rib Reef.	18° 28.7′ S 146° 52.8′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 **9**	10	White fiberglass hut, concrete column; 30.	
	-RACON		**C(– • – •)**				
	HINCHINBROOK CHANNEL:						
10012 *K 3124*	-Lucinda Point, Range, front.	18° 31.4′ S 146° 20.5′ E	**F.R.**	26 **8**		Conveyor gallery, facing N, triangular daymark point up.	F.W. by day.
10016 *K 3124.1*	--Rear, 775 meters 247°30′ from front.	18° 31.5′ S 146° 20.1′ E	**F.R.**	59 **18**		Tower, triangular daymark point down; 69.	F.W. by day.
10020 *K 3126*	-New jetty, E. end.	18° 31.2′ S 146° 23.2′ E	**Fl.G.** period 5s		6		
10024 *K 3128*	-Lucinda pier.	18° 31.0′ S 146° 20.0′ E	**F.G.**	39 **12**			Tide signal.
10026 *K 3119*	-Halifax Bay, Allingham.	18° 42.6′ S 146° 17.8′ E	**Fl.W.** period 2.5s			Water tower; 108.	
10027 *K 3119.5*	Great Palm Island.	18° 44.1′ S 146° 34.7′ E	**2F.Bu.**			Beacon.	Directional light 092°54′.
10028 *K 3120*	Albino Rock.	18° 46.3′ S 146° 43.1′ E	**Fl.(3)W.** period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 13.1s	85 **26**	14	White square concrete tower; 16.	
10029 *K 3118*	Halifax Bay, pipeline.	19° 09.2′ S 146° 38.2′ E	**Q.(2)W.** period 4s	15 **5**			Marks seaward end of pipeline. Shore end marked by 2 beacons, Fl.R. 3s.
10030 *K 3117*	Bay Rock.	19° 07.0′ S 146° 45.2′ E	**Fl.(2)W.** period 8s				
	MAGNETIC ISLAND:						
10034 *K 3115*	-Arcadia Range, front.	19° 09.1′ S 146° 52.0′ E	**Q.W.**				
10034.1 *K 3115.1*	--Rear, 430 meters 326.5° from front.	19° 09.0′ S 146° 52.0′ E	**F.R.**				
10040 *K 3112*	-NW. of Middle Reef.	19° 11.6′ S 146° 48.3′ E	**Q.(9)W.** period 15s	14 **4**	3	W. CARDINAL YBY, beacon, topmark.	
10044 *K 3111*	-Middle Reef, E. end.	19° 12.1′ S 146° 49.3′ E	**Q.(3)W.** period 10s	13 **4**	3	E. CARDINAL BYB, beacon, topmark.	
10048 *K 3110*	-Picnic Bay.	19° 11.1′ S 146° 50.6′ E	**Fl.R.** period 2.5s	10 **3**		Red square daymark, pile.	
10052 *K 3096*	**Townsville** AVIATION LIGHT.	19° 15.3′ S 146° 46.4′ E	**Al.Fl.W.R.** period 7.5s W. fl. 0.2s, ec. 3.6s R. fl. 0.2s, ec. 3.5s	36 **11**	W. **28** R. **24**		Occasional. **Aero Radiobeacon** 1260 meters NW.
10053 *K 3096.4*	-Approach.	19° 07.6′ S 146° 54.6′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
10056 *K 3097*	-Sea Channel Range, front, P4.	19° 11.8′ S 146° 51.9′ E	**Q.W.**			PORT (A) R, beacon, topmark.	F.W. by day (occasional).
			Fl.R. period 4s				

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			AUSTRALIA-EAST COAST				
10060 *K 3097.01*	--Rear, 0.5 mile 201°30′ from front.	19° 12.2′ S 146° 51.7′ E	**Iso.W.** period 2s			ISOLATED DANGER BRB, beacon, topmark.	F.W. by day (occasional).
			Fl.(2)W. period 6s				
10061 *K 3096.5*	-Sea Channel S2.	19° 08.5′ S 146° 53.4′ E	**Q.R.**			PORT (A) R, beacon, topmark.	Sea Channel marked by beacons S4 to S12.
10062 *K 3100*	-Platypus Channel Range, front.	19° 14.9′ S 146° 49.8′ E	**F.Bu.**			SAFE WATER RW, beacon, topmark.	
			Q.R.				
			Iso.W. period 4s				F.W. by day.
10062.1 *K 3100.1*	--Rear, 0.74 mile 211°30′ from front.	19° 15.6′ S 146° 49.4′ E	**F.Bu.**				
			Iso.R. period 2s				F.W. by day.
10063 *K 3097.4*	-Platypus Channel P1.	19° 11.5′ S 146° 52.0′ E	**Q.G.**			STARBOARD (A) G, beacon, topmark.	Platypus Channel marked by lighted port and starboard beacons P2 to P14.
10063.2 *K 3106.2*	-Outer Range, front.	19° 13.8′ S 146° 50.5′ E	**Q.W.**				Visible 017°54′-022°54′. Occasional.
			Fl.G. period 4s				Visible 017°54′-022°54′. F.W. by day (occasional).
10063.21 *K 3106.21*	--Rear, 115 meters 020°21′ from front.	19° 13.7′ S 146° 50.5′ E	**Fl.(2)W.** period 6s				Visible 017°54′-022°54′. F.W. by day (occasional).
			Iso.W. period 2s				Visible 017°54′-022°54′.
10063.4 *K 3106*	-Outer Harbor Range, front.	19° 14.8′ S 146° 50.3′ E	**Q.Bu.**				Visible 181°42′-186°42′. F.W. by day (occasional.).
10063.41 *K 3106.01*	--Rear, 40 meters 184°14′ from front.	19° 14.8′ S 146° 50.3′ E	**Iso.Bu.** period 2s				Visible 181°42′-186°42′. F.W. by day (occasional).
10063.6 *K 3101.8*	-P13, Inner departure range, front.	19° 14.0′ S 146° 50.3′ E	**Q.W.**				Visible 002°24′-006°24′. F.W. by day (occasional).
			Fl.G. period 4s			Beacon.	
10063.61 *K 3101.81*	--Rear, 004°24′ from front.	19° 14.0′ S 146° 50.4′ E	**Iso. W.** period 2s				Visible 001°54′-006°54′. F.W. by day (occasional).
			Fl.(2)W. period 4s				
10063.8 *K 3106.1*	-Transit Range, front.	19° 14.3′ S 146° 50.5′ E	**Fl.Y.** period 2.5s				
10063.81 *K 3106.11*	--Rear, 20 meters 092° from front.	19° 14.3′ S 146° 50.5′ E	**Fl.Y.** period 2.5s				
	-Townsville Harbor:						
10064 *K 3103*	--E. breakwater, P16.	19° 14.6′ S 146° 50.1′ E	**Q.R.**			PORT (A) R, beacon, topmark.	
10065 *K 3112.65*	--Western breakwater, S.E. end.	19° 14.6′ S 146° 49.9′ E	**Fl.(4)Y.** period 12s		2		Visible 307°-127°.
10065.1 *K 3112.64*	---Center.	19° 14.5′ S 146° 49.8′ E	**Fl.(4)Y.** period 12s		2		Visible 307°-127°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
10065.2 *K 3112.63*	---N.W. end.	19° 14.5′ S 146° 49.7′ E	**Fl.(4)Y.** period 12s		2		Visible 307°-127°.
10068 *K 3104*	--W. breakwater, P15.	19° 14.6′ S 146° 50.0′ E	**Q.G.**			STARBOARD (A) G, beacon, topmark.	
10070 *K 3109.22*	-Reclamation area, N. elbow.	19° 15.4′ S 146° 50.7′ E	**Q.W.**				
10082 *K 3112.4*	--Casino Marina Range front.	19° 15.1′ S 146° 49.3′ E	**F.Bu.**				F.W. by day.
10082.1 *K 3112.41*	---Rear, 90 meters 206°20′ from front.	19° 15.1′ S 146° 49.3′ E	**F.Bu.**				F.W. by day.
10092 *K 3109.2*	--Ross River Channel, No 2.	19° 15.2′ S 146° 51.0′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	Channel marked by beacons.
10096 *K 3092.1*	**-Cape Cleveland.**	19° 11.0′ S 147° 00.9′ E	**Fl.W.R.** period 7.5s fl. 0.1s, ec. 7.4s	210 **64**	W. **15** R. 12	White round tower, red cupola; 36.	W. 342°-259°, R.-286° (over Four Foot Rock), W.-321°.
10104 *K 3091*	Cape Ferguson.	19° 17.0′ S 147° 03.0′ E	**Fl.W.** period 4s fl. 0.4s, ec. 3.6s	23 **7**	12	White rectangular daymark; 13.	
10108 *K 3090*	Cape Bowling Green.	19° 19.6′ S 147° 25.6′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	66 **20**	11	Red and white hexagonal fiberglass tower; 43.	
	RACON		**O(– – –)**		**17**		(3 & 10cm).
10120 *K 3085*	Cape Upstart.	19° 45.3′ S 147° 44.8′ E	**Fl.W.** period 4s		3		
10124 *K 3088*	Upstart Bay.	19° 44.4′ S 147° 35.7′ E	**Iso.W.** period 2s	23 **7**			Visible 265°30′-268°30′.
10124.2 *K 3086*	-Molongle Creek.	19° 49.9′ S 147° 42.3′ E	**Fl.W.** period 2.5s				Visible 167°-173°.
10125 *K 3083.1*	Abbot Point, W. approach Range, front.	19° 52.8′ S 148° 04.7′ E	**F.Bu.**	73 **22**	5		F.W. by day.
10125.2 *K 3083*	-Rear, 300 meters 164° from front.	19° 52.9′ S 148° 04.8′ E	**F.Bu.**	139 **42**	5		F.W. by day. This light is also the front range light for following rear light.
10125.4 *K 3082.9*	--E. approach, rear 575 meters 225° from front.	19° 53.1′ S 148° 04.6′ E	**Fl.W.** period 4s	180 **55**	12		F.W. by day.
10126 *K 3083.4*	-Wharf approach Range, common front.	19° 51.4′ S 148° 05.1′ E	**F.G.**				F.W. by day.
10126.2 *K 3083.39*	--Rear, 200 meters 273°08′ from front.	19° 51.5′ S 148° 05.0′ E	**F.G.**				F.W. by day.
10126.4 *K 3083.41*	--Rear, 200 meters 124°08′ from front.	19° 51.6′ S 148° 05.1′ E	**F.G.**				F.W. by day.
10128 *K 3069*	Holbourne Island.	19° 43.6′ S 148° 21.6′ E	**Fl.(3)W.** period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	377 **115**	10	White hut; 7.	
10128.5 *K 3069.2*	Nares Rock.	19° 46.2′ S 148° 21.6′ E	**Fl.(2)W.** period 5s			ISOLATED DANGER BRB, beacon, topmark.	
10130 *K 3082*	North Rock.	19° 58.2′ S 148° 15.8′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, beacon, topmark.	

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			AUSTRALIA-EAST COAST				
	PORT DENISON:						
10133 *K 3070*	-Sinclair Head, Stone Island.	20° 01.9′ S 148° 17.6′ E	**Fl.W.** period 4s	87 **27**	10	White beacon.	
10134 *K 3070.5*	-N. Entrance, N2.	20° 01.3′ S 148° 17.0′ E	**Iso.W.** period 2s			SAFE WATER RW, beacon, topmark.	
10136 *K 3078*	-Bowen Range, front.	20° 01.4′ S 148° 15.1′ E	**F.G.**	20 **6**	4		F.W. by day.
10140 *K 3078.1*	--Rear, inshore end of pier 785 meters 329° from front.	20° 01.3′ S 148° 15.1′ E	**F.G.**	38 **12**	4		F.W. by day.
10144 *K 3076*	-Bowen, S. Entrance Range, front.	20° 01.3′ S 148° 14.6′ E	**F.Bu.** (neon)	13 **4**	5	Beacon, white triangular daymark point up.	F.W. by day (occasional).
10148 *K 3076.1*	--Rear, 982 meters 315°28′ from front.	20° 00.9′ S 148° 14.2′ E	**F.Bu.** (neon)	115 **35**	12	Beacon, white triangular daymark point down, black stripe.	F.W. by day (occasional).
10150 *K 3074*	-Mount Bramstron.	20° 04.0′ S 148° 15.5′ E	**Q.W.**	26 **8**	7	Orange triangular daymark point up.	
10156	Cape Gloucester.	20° 04.9′ S 148° 29.8′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
10160 *K 3066.8*	Bird Island.	20° 05.4′ S 148° 52.3′ E	**Q.(9)W.** period 15s	46 **14**	5		
10161 *K 3066.81*	Langford Island, reef, S. side.	20° 05.8′ S 148° 52.7′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	E. side of reef marked by Fl.G. 2.5s.
10164 *K 3067.4*	Pinnacle Point, on Hook Island.	20° 03.7′ S 148° 57.8′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	70 **21**	10	White fiberglass hut; 7.	Visible 113°-326°.
10165 *K 3064.7*	Macona Inlet.	20° 10.1′ S 148° 55.2′ E	**Fl.G.** period 2.5s			White beacon, triangular daymark point up.	
10166 *K 3068*	Eshelby Island.	20° 01.0′ S 148° 37.6′ E	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	183 **56**	10	White hut; 13.	
10170 *K 3066.57*	Pioneer Bay.	20° 16.0′ S 148° 41.4′ E	**Fl.Y.** period 2.5s			SPECIAL Y, beacon, "X" topmark.	Marks outer end of pipeline.
10172 *K 3066.5*	Pioneer Rocks.	20° 13.6′ S 148° 45.5′ E	**Fl.(2)W.** period 6s	16 **5**	4	ISOLATED DANGER BRB, beacon, topmark.	
10176 *K 3066.4*	West Molle Island Range, front.	20° 15.1′ S 148° 48.9′ E	**F.Bu.**		5	Orange triangular daymark point up.	F.W. by day.
10180 *K 3066.41*	-Rear, 242°18′ from front.	20° 15.1′ S 148° 48.9′ E	**F.Bu.**		5	Orange triangular daymark point down.	F.W. by day.
10182 *K 3066.35*	Shute Harbor Range, front.	20° 17.6′ S 148° 47.2′ E	**F.Bu.**				F.W. by day.
10182.1 *K 3066.36*	-Rear, 261° from front.	20° 17.7′ S 148° 47.1′ E	**F.Bu.**				F.W. by day.
10184 *K 3064.5*	Cid Island.	20° 16.5′ S 148° 54.5′ E	**Fl.W.** period 6s	40 **12**	3		
10188 *K 3065.8*	The Beak.	20° 16.8′ S 148° 48.1′ E	**Fl.W.R.** period 4s	62 **19**	5	Red and yellow tower.	W. 154°-198°, R.-225°, W.-334°, R.-154°. F.W. on radio mast 2.2 miles NE.
10192 *K 3066*	Low Rock, N. side.	20° 17.0′ S 148° 48.0′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	

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			AUSTRALIA-EAST COAST				
10192.2 *K 3066.03*	-E. side.	20° 17.3′ S 148° 48.1′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, beacon, topmark.	
10192.4 *K 3066.05*	-S. side.	20° 17.3′ S 148° 48.1′ E	**Q.(6)+L.Fl.W.** period 15s			S. CARDINAL YB, beacon, topmark.	
10192.6 *K 3066.07*	-W. side.	20° 17.3′ S 148° 48.0′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
10195 *K 3066.38*	Shute Harbor.	20° 17.6′ S 148° 47.2′ E	**Fl.Y.** period 3s			SPECIAL Y, beacon, "X" topmark.	
10196 *K 3066.24*	Repair Island, No 4.	20° 17.7′ S 148° 47.4′ E	**V.Q.W.**			N. CARDINAL BY, beacon, topmark.	
10200 *K 3066.6*	Edward Island.	20° 15.0′ S 149° 10.4′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	358 **109**	10	White hut; 7.	
10202 *K 3064.2*	Hamilton Island, AVIATION LIGHT.	20° 22.4′ S 148° 57.2′ E	**Oc.R.** period 1.5s				Occasional.
10204 *K 3064*	Dent Island, Whitsunday Passage.	20° 22.1′ S 148° 55.8′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	121 **37**	11	White round metal tower, red cupola; 33.	Visible 335°-167°. F.W. on Molle Island 8.5 miles NW.
10208 *K 3063*	Lindeman Island.	20° 27.6′ S 149° 02.1′ E	**Fl.W.R.** period 4s	116 **35**	3		W. 260°-316°, R.-025°, W.-110°, R.-125°. W.-139°, obsc.-260°. Fl.R. and Fl.G. beacons mark entrance channel 0.5 mile E.
10208.5 *K 3062.8*	Spitfire Rock.	20° 28.6′ S 149° 01.8′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
10209 *K 3062.7*	Platypus Rock.	20° 31.3′ S 149° 02.3′ E	**V.Q.(9)W.** period 10s			W. CARDINAL YBY, beacon, topmark.	
10210 *K 3062.6*	Repulse Bay Marina.	20° 30.7′ S 148° 44.0′ E	**Fl.G.** period 3s			STARBOARD (A) G, beacon, topmark.	F.Bu. (F.W. by day) range lights 249°24′ mark entrance.
10212 *K 3062*	Coppersmith Rock.	20° 36.0′ S 149° 07.0′ E	**Fl.(2)W.** period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	49 **15**	10	White fiberglass hut.	W 162°30′-140°30′.
10212.5 *K 3061.7*	Io Reef.	20° 41.6′ S 149° 07.7′ E	**Q.(9)W.** period 15s			W. CARDINAL YBY, beacon, topmark.	
10213 *K 3061*	Mausoleum Island.	20° 51.6′ S 148° 56.3′ E	**Fl.W.** period 4s	59 **18**	7		
10214 *K 3061.3*	-W. side.	20° 51.8′ S 148° 56.1′ E	**Fl.R.** period 3s			Red beacon.	6 Fl.R. 3s beacons mark channel to Victor Creek.
10216 *K 3060*	Brampton Island.	20° 48.7′ S 149° 14.8′ E	**Fl.W.** period 6s	33 **10**	3		
10220 *K 3016*	Frederick Reefs, N. Cay.	20° 56.1′ S 154° 24.0′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	108 **33**	10	Round steel tower, two galleries, concrete base.	
	RACON		**C(– • – •)**		**16**		(3 & 10cm).
10222 *K 3043*	Saint Bees Island.	20° 56.4′ S 149° 25.5′ E	**Fl.W.** period 2.5s				
10224 *K 3048*	**Bailey Island.**	21° 01.8′ S 149° 33.0′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	118 **36**	**15**	White square tower; 16.	
10228 *K 3049*	**Penrith Island.**	21° 00.5′ S 149° 54.3′ E	**Fl.(3)W.** period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	492 **150**	**16**	White square masonry tower; 13.	

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			AUSTRALIA-EAST COAST				
	HYDROGRAPHERS PASSAGE:						
10229 *K 3052*	**-Creal Reef.**	20° 31.9′ S 150° 22.7′ E	**Fl.W.** period 7.5s fl. 1s, ec. 6.5s	105 **32**	**20**	Metal framework tower, orange square daymark on N. and W. facings, concrete pile structure; 112.	
	-RACON		**M(– –)**		**16**		(3 & 10cm).
10229.5 *K 3056*	-Bugatti Reef.	20° 06.3′ S 150° 17.4′ E	**Fl.(2)W.** period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	30 **9**	10	Concrete column, white fiberglass hut; 23.	
10230 *K 3053*	**-Little Bugatti Reef.**	20° 01.2′ S 150° 15.4′ E	**Fl.W.R.G.** period 5s fl. 1s, ec. 4s	75 **23**	W. **17** R. 13 G. 13	Metal framework tower, orange square daymark, concrete pile structure; 79.	G. 190°-200°, W.-204°, R.-215°, W.-190°. **Radar reflector.**
10231 *K 3054*	-White Tip Reef Range, front.	19° 54.5′ S 150° 16.8′ E	**Iso.W.R.** period 5s	33 **10**	W. 13 R. 9	Concrete pile structure, orange square daymark; 39.	W. 170°-222°, R.-231°, W.-005°, R.-019°, partially obscured-170°.
10231.1 *K 3054.1*	--Rear, 2.04 km. 218° from front.	19° 55.5′ S 150° 16.1′ E	**Fl.W.** period 10s fl. 0.2s, ec. 9.9s	121 **37**	**20**	Tower, orange square daymark on N face.	
			Fl.W. period 2s fl. 0.5s, ec. 1.5s	118 **36**	**15**		Visible 214°-222°.
	--RACON		**K(– • –)**		**17**		(3 & 10cm).
	PIONEER RIVER:						
10240 *K 3031*	-E. Point.	21° 08.9′ S 149° 13.3′ E	**Fl.G.** period 2.5s fl. 0.5s, ec. 2.5s			STARBOARD (A) G, beacon, topmark.	
	MACKAY:						
10244 *K 3032*	-Outer harbor approach Range, front.	21° 05.9′ S 149° 13.4′ E	**F.R.**	45 **14**	12	Yellow triangular daymark point up, black stripe.	F.W. by day (occasional).
10248 *K 3032.1*	--Rear, 270 meters 288° from front.	21° 05.9′ S 149° 13.3′ E	**F.R.**	62 **19**	12	Yellow triangular daymark point down, black stripe.	F.W. by day (occasional).
10252 *K 3033*	-Outer harbor entrance range, front, root of S. breakwater.	21° 06.5′ S 149° 13.4′ E	**F.R.**	36 **11**	5	Yellow triangular daymark point up, black stripe; 39.	F.W. by day (occasional).
10256 *K 3033.1*	--Rear, 405 meters 248°20′ from front.	21° 06.6′ S 149° 13.2′ E	**F.R.**	63 **19**	5	Yellow triangular daymark point down, black stripe; 49.	F.W. by day (occasional).
10257 *K 3034*	--Range, front.	21° 06.4′ S 149° 13.5′ E	**F.Bu.**				F.W. by day.
10257.1 *K 3034.1*	---Rear, 156 meters 261°36′ from front.	21° 06.4′ S 149° 13.4′ E	**F.Bu.**	69 **21**			F.W. by day.
10260 *K 3036*	-Forgan Smith Point.	21° 06.3′ S 149° 13.9′ E	**Iso.G.** period 2s	29 **9**	5	Concrete tower; 16.	
10268 *K 3035*	-Main Breakwater, Bagley Point.	21° 06.4′ S 149° 14.0′ E	**Iso.R.** period 2s	25 **8**	5	Concrete tower; 16.	
10272	-Main Breakwater, E. extremity.	21° 06.4′ S 149° 14.1′ E	**Q.R.**				
10276 *K 3026*	-AVIATION LIGHT.	21° 10.2′ S 149° 10.5′ E	**Al.Fl.W.G.** period 7s	55 **17**	12	Metal tower; 52.	F.R. lights on tower 3.1 miles NNW.
10282 *K 3024*	**Hay Point.**	21° 17.2′ S 149° 16.6′ E	**Fl.(2)W.** period 10s	255 **78**	**20**		Visible 165°-319°.
10284 *K 3024.4*	Highwater Island, Range, front.	21° 17.6′ S 149° 18.2′ E	**F.Bu.**			Beacon, triangular daymark point up.	F.W. by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
10285 *K 3024.41*	-Rear, 30 meters 208°26′ from front.	21° 17.6′ S 149° 18.2′ E	**F.Bu.**			Beacon, triangular daymark point down.	F.W. by day.
10288 *K 3023*	Vernon Rocks.	21° 28.1′ S 150° 18.6′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	59 **18**	9	White fiberglass hut; 7.	
10292 *K 3022*	**Pine Peak Island.**	21° 31.1′ S 150° 15.1′ E	**Fl.(2)W.** period 6s fl., ec. 2s fl., ec. 4s	151 **46**	**15**	White structure, white rock; 10.	
10300 *K 3015*	Saumarez Reef, NE. Cay.	21° 39.6′ S 153° 46.0′ E	**Fl.(4)W.** period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	69 **21**	10	Steel framework tower, fiberglass hut.	
	RACON		**O(– – –)**		13		(3 & 10cm).
10304 *K 3020*	Percy Isles.	21° 39.4′ S 150° 13.0′ E	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	220 **67**	10	White fiberglass tower; 20.	Visible 318°-218°.
10308 *K 3018*	**High Peak Island.**	21° 57.1′ S 150° 42.1′ E	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	230 **70**	**15**	White square concrete tower; 10.	Visible 110°-037°, obscured 010°-012° by Cheviot Island.
10309 *K 3017.5*	Mount Westfall AVIATION LIGHT.	22° 21.7′ S 150° 34.7′ E	**Q.W.**	1847 **563**		Tower; 49.	
10310 *K 3017*	Clara Group.	22° 20.4′ S 150° 43.1′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	213 **65**	11	White fiberglass hut; 7.	
10311 *K 3014.5*	**Swain Reefs, Hixson Cay.**	22° 20.0′ S 152° 43.7′ E	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	56 **17**	**18**	White fiberglass tower, metal piles; 56.	
	RACON		**T(–)**		11		(3 & 10cm).
10312 *K 3014*	**North Reef.**	23° 11.1′ S 151° 54.2′ E	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	75 **23**	**17**	White round metal tower, red cupola; 79.	
	RACON		**Q(– – • –)**		14		(3 & 10cm).
10314 *K 2998*	Double Head, Rosslyn Bay, jetty, head.	23° 09.5′ S 150° 47.3′ E	**Fl.R.** period 2s				
10315 *K 2998.75*	-Pier, head.	23° 09.8′ S 150° 47.3′ E	**Fl.G.** period 3s				
10316 *K 2997*	Great Keppel Island, E. extremity.	23° 10.8′ S 150° 59.5′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	171 **52**	11	White fiberglass hut; 7.	Visible 150°-070°.
10317 *K 2997.3*	-Half Tide Rock.	23° 09.2′ S 150° 56.3′ E	**Fl.(2)W.** period 6s			ISOLATED DANGER BRB, beacon, topmark.	
10318 *K 2997.5*	Middle Island East Passage, E. side.	23° 10.1′ S 150° 55.7′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
10318.1 *K 2997.6*	-W. side.	23° 10.2′ S 150° 55.5′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
	KEPPEL BAY:						
10319 *K 2991.7*	-Emu Point.	23° 15.3′ S 150° 49.7′ E	**2 F.Bu.**				R. Lts. on radio tower 5.3 miles SSW.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
10319.5 *K 2991.8*	--Leading Lights.	23° 15.0′ S 150° 49.4′ E	**Q.Y.**				
			Iso.Y. period 2s				
10320 *K 3000*	-Sea Hill Point.	23° 29.5′ S 150° 58.8′ E	**Fl.(2)W.** period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	109 **33**	7	39.	Visible 338°-214°.
10321 *K 3001*	-Division Point.	23° 33.9′ S 151° 00.9′ E	**Fl.Y.** period 3s			SPECIAL Y, beacon, "X" topmark.	
	FITZROY RIVER:						
10323 *K 3002.5*	-Curlew Spit.	23° 32.0′ S 150° 56.4′ E	**Fl.Y.** period 3s			SPECIAL Y, beacon, “X” topmark.	
10323.5 *K 3004.1*	-Haynes Spit.	23° 32.6′ S 150° 54.0′ E	**Fl.R.** period 3s			PORT (A) R, beacon, topmark.	
10324 *K 3002*	-Balaclava Island, Sea Reach Range, front.	23° 33.1′ S 150° 55.6′ E	**Q.W.**	56 **17**	10	White beacon, white triangular daymark point up.	
10328 *K 3002.1*	--Rear 1,600 meters 205°03′ from front.	23° 33.9′ S 150° 55.2′ E	**Iso.W.** period 2s	92 **28**	6	White beacon, white triangular daymark point down.	
10329 *K 3010*	-Kazatch Point Range, front.	23° 34.4′ S 150° 52.9′ E	**Q.W.**	20 **6**	8	Beacon, white triangular daymark point up; 23.	
10330 *K 3010.1*	--Rear, 940 meters 230°39′ from front.	23° 34.7′ S 150° 52.5′ E	**Iso.W.** period 4s	43 **13**	10	Beacon, white triangular daymark point down; 49.	
10331 *K 3011*	-Eupatoria Point Range, front.	23° 34.6′ S 150° 51.9′ E	**Q.Bu.**	23 **7**	5	Beacon, white square daymark.	
10332 *K 3011.1*	--Rear, 295 meters 248°30′ from front.	23° 34.6′ S 150° 51.7′ E	**Iso.Bu.** period 4s	33 **10**	5	Beacon, white square daymark.	
10333 *K 3012*	-Shell Point Range, front.	23° 33.9′ S 150° 52.7′ E	**Q.W.**				
10334 *K 3012.1*	--Rear, 310 meters 038° from front.	23° 33.7′ S 150° 52.8′ E	**Iso.W.** period 2s				
10336 *K 2992.1*	**Cape Capricorn.**	23° 29.2′ S 151° 14.2′ E	**Fl.W.R.** period 5s fl. 0.4s, ec. 4.6s	305 **93**	W. **17** R. 14	White concrete tower; 23.	W. 005°-307°, R.-005°.
	PORT OF GLADSTONE (PORT CURTIS):						
10348 *K 2990*	-Facing Island, N. point.	23° 45.3′ S 151° 20.0′ E	**Fl.(4)W.R.** period 15s	56 **17**	7		R. 313°-359°, W.-313°.
10349 *K 2991*	-N. Channel Range, front.	23° 46.1′ S 151° 19.5′ E	**Q.W.**			Yellow beacon, triangular topmark point up.	Intensified 166°36′-170°36′.
10349.1 *K 2991.1*	--Rear, 440 meters 168°38′ from front	23° 46.4′ S 151° 19.6′ E	**Iso.W.** period 2s		10	Yellow beacon, triangular topmark point down.	Intensified 166°36′-170°36′.
10349.5 *K 2991.12*	--Beacon.	23° 45.8′ S 151° 19.5′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
10350 *K 2991.14*	--Farmers Reef Range, front.	23° 46.3′ S 151° 19.2′ E	**Q.Bu.**			White tripod, triangular topmark point up.	
10350.1 *K 2991.15*	---Rear, 125 meters 219°22′ from front.	23° 46.4′ S 151° 19.1′ E	**Iso.Bu.** period 2s			White tripod, triangular topmark point down.	
10350.5 *K 2991.22*	--Southend Channel, SE1.	23° 45.9′ S 151° 18.9′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	Southend Channel marked by beacons SE2 to SE4.
10351 *K 2991.3*	--Beacon N1.	23° 46.3′ S 151° 19.2′ E	**Fl.Y.** period 2.5s			SPECIAL Y, beacon, “X” topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
10351.2 *K 2991.31*	---N2.	23° 46.4′ S 151° 19.3′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	North Channel marked by beacons N3 to N11.
10352 *K 2972*	**-East Point.**	23° 51.9′ S 151° 23.4′ E	**Fl.W.** period 10s fl. 0.1s, ec. 9.9s	154 **47**	**18**	Metal framework tower; 33.	The Narrows leading West of Curtis Island to Keppel Bay is marked by lights.
10356 *K 2973*	-Wild Cattle Island, S. Channel Range, front.	23° 58.9′ S 151° 25.2′ E	**Q.W.**	62 **19**		Tower, white triangular daymark point up.	F.W. by day (occasional).
10360 *K 2973.1*	--Rear, 2.67 miles 224°15′ from front.	24° 00.8′ S 151° 23.2′ E	**Iso.W.** period 2s	145 **44**		Tower, white triangular daymark point down.	F.W. by day (occasional). **DGPS Station** about 2 miles SW.
10364 *K 2973.2*	--Beacon S1.	23° 53.9′ S 151° 30.4′ E	**Fl.G.** period 2s			STARBOARD (A) G, beacon, topmark.	Synchronized with beacon S2.
	--RACON		**G(– – •)**				(3 & 10cm).
10368 *K 2973.3*	---S2.	23° 54.1′ S 151° 30.5′ E	**Fl.R.** period 2s			PORT (A) R, beacon, topmark.	South Channel marked by synchronized beacons S3 to S31.
10372 *K 2974*	-Boyne Island Cutting Range, front.	23° 56.4′ S 151° 22.0′ E	**F.Bu.**	66 **20**	12	Framework tower, white triangular topmark point up; 30.	F.Y. by day.
10376 *K 2974.1*	--Rear, 1,760 meters 263°49′ from front.	23° 56.5′ S 151° 20.9′ E	**F.Bu.**	121 **37**	14	Structure, white triangular daymark point down.	F.Y. by day.
10380 *K 2976*	-Goldings Cutting Range, front.	23° 51.9′ S 151° 19.8′ E	**Q.W.**	23 **7**		Beacon, red square daymark.	
			Fl.R. period 4s				
10384 *K 2976.1*	--Rear, 1.14 miles 302°24′ from front.	23° 51.3′ S 151° 18.7′ E	**F.Bu.**	57 **17**		Metal tower.	F.W. by day.
10388 *K 2976.4*	--Range, front, No 29.	23° 56.3′ S 151° 27.3′ E	**Q.W.**	20 **6**		Beacon.	Visible 119°-125°. F.W. by day (occasional).
			Fl.(2)W. period 4s				Visible 125°-119°.
10392 *K 2976.41*	---Rear, No. 30, 1.17 miles 122°24′ from front.	23° 56.9′ S 151° 28.4′ E	**Iso.W.** period 2s	59 **18**		Beacon.	Visible 119°-125°. F.W. by day (occasional).
			Fl.(2)W. period 6s				Visible 125°-119°.
10393 *K 2979*	-East Channel, beacon E2.	23° 51.9′ S 151° 24.2′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
10394 *K 2979.2*	--E1.	23° 52.8′ S 151° 23.5′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
10395 *K 2979.4*	--E3.	23° 53.1′ S 151° 22.3′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
10396 *K 2978*	-Gatcombe Channel Range, front, on Datum Point.	23° 49.1′ S 151° 17.2′ E	**Q.W.**	20 **6**		White round tower; 7.	F.W. by day (on request). Forms range 313°33′ with beacon Q2.
10400 *K 2978.1*	--Rear, 1.56 miles 312°04′ from front.	23° 48.0′ S 151° 15.9′ E	**Iso.W.** period 2s	52 **16**		White round tower; 7.	F.W. by day (occasional).
10404 *K 2979.8*	--G2.	23° 53.3′ S 151° 22.0′ E	**Q.W.**			SPECIAL Y, beacon, "X" topmark.	Synchronized. Southern limit of channel marked by synchronized special beacons.
			Fl.Y. period 4s				
10405 *K 2981*	-Auckland Channel.	23° 49.2′ S 151° 14.1′ E	**F.Bu.**				F.Y. by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
10406 *K 2987.81*	--Beacon A1.	23° 50.7′ S 151° 18.4′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	Synchronized.
10407 *K 2987.82*	---A2.	23° 50.9′ S 151° 18.4′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	Synchronized. Auckland Channel marked by synchronized beacons A3 to A7.
10408 *K 2982*	--Range, front.	23° 52.2′ S 151° 22.0′ E	**Q.W.**	20 **6**		White round tower; 7.	F.W. by day (on request).
10412 *K 2982.1*	--Rear, 1,019 meters 113°13′ from front.	23° 52.5′ S 151° 22.6′ E	**Iso.W.** period 4s	127 **39**		White round tower; 7.	F.W. by day (on request).
10420 *K 2982.6*	-Manning Reef.	23° 51.4′ S 151° 21.2′ E	**Fl.W.** period 2.5s				
10424 *K 2983*	-Bushy Islet.	23° 50.4′ S 151° 20.2′ E	**Fl.W.** period 4s				
10426 *K 2984*	-Boyne Wharf.	23° 51.3′ S 151° 19.4′ E	**F.R.**			Dolphin.	
10428 *K 2987*	-Quoyne Channel, beacon Q1.	23° 50.4′ S 151° 19.5′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
10432 *K 2987.2*	--Beacon Q2.	23° 50.5′ S 151° 18.8′ E	**Fl.Y.** period 2.5s			SPECIAL Y, beacon, "X" topmark.	Quoyne Channel marked by beacons Q3 to Q6.
10433 *K 2988.3*	-Barney Point Range, front.	23° 50.2′ S 151° 16.1′ E	**F.Bu.**			Black pile.	F.Y. by day.
10434 *K 2988.31*	--Rear, 320 meters 126°42′ from front.	23° 50.3′ S 151° 16.3′ E	**F.Bu.**			Yellow framework tower.	F.Y. by day.
10435 *K 2988.5*	--Coal Wharf.	23° 50.1′ S 151° 16.4′ E	**F.R.**				
10436 *K 2988.6*	-Auckland Point Wharves, E. end.	23° 50.0′ S 151° 15.8′ E	**F.R.**				F.R. close WNW.
10436.3 *K 2989.1*	-Aukland Inlet, boat harbor, N. side of entrance.	23° 50.0′ S 151° 15.1′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
10436.5 *K 2989.15*	---S. side of entrance.	23° 50.2′ S 151° 15.0′ E	**Fl.R.** period 2.5s			PORT (A) R, beacon, topmark.	
10437 *K 2989.2*	--Service jetty.	23° 50.0′ S 151° 14.9′ E	**F.R.**				F.R. marks charter jetty.
10438 *K 2989.652*	-Clinton Channel Range, front, beacon CB2.	23° 49.3′ S 151° 14.9′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
10439 *K 2989.63*	--Rear, beacon C3, 835 meters 302°42′ from front.	23° 49.0′ S 151° 14.6′ E	**V.Q.(9)W.** period 10s			W. CARDINAL YBY, beacon, topmark.	
10440 *K 2989.651*	--Beacon CB1.	23° 49.4′ S 151° 14.5′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
10441 *K 2989.654*	---CB4.	23° 49.1′ S 151° 14.8′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
10442 *K 2989.68*	--Range, front, beacon C5.	23° 48.4′ S 151° 14.2′ E	**Q.Bu.**			Black and green beacon, orange triangular daymark point up.	F.W. by day (occasional).
			Fl.G. period 4s fl. 0.5s, ec. 3.5s				
10442.5 *K 2989.681*	---Rear, Tide Island, 870 meters 128°12′ from front.	23° 48.0′ S 151° 13.8′ E	**Iso.Bu.** period 2s			Black beacon, orange triangular topmark point down.	F.W. by day.
			Fl.(2)W. period 6s fl. 0.4s, ec. 1s fl. 0.4s, ec. 4.2s			ISOLATED DANGER BRB, beacon, topmark.	
10443.5 *K 2989.8*	--Beacon C1.	23° 49.2′ S 151° 14.8′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
10444.2 *K 2989.986*	-Fishermans Landing Wharf Range, front.	23° 47.3′ S 151° 10.6′ E	**F.G.**				F.Y. by day.
10444.3 *K 2989.9861*	--Rear, 284°48′ from front.	23° 47.3′ S 151° 10.5′ E	**F.G.**				F.Y. by day.
10445 *K 2989.9*	-Targinie Channel Range, front.	23° 48.8′ S 151° 14.8′ E	**Q.W.**			Black pile, white triangular daymark point up.	F.W. by day (occasional). Targinie Channel marked by synchronized beacons T1 to T6.
			Fl.Y. period 2.5s				
10445.5 *K 2989.91*	--Rear, 0.8 mile 113°36′ from front.	23° 49.2′ S 151° 15.6′ E	**Iso.W.** period 2s			Black pile, white triangular daymark point down.	F.W. by day (occasional).
			Fl.Y. period 2.5s				
10446 *K 2989.6*	-Gladstone AVIATION LIGHT.	23° 52.2′ S 151° 13.4′ E	**Fl.W.G.** period 10s	108 **33**			
10448 *K 2963*	**Lady Musgrave Islet.**	23° 54.5′ S 152° 23.5′ E	**Fl.W.** period 2s fl. 0.1s, ec. 1.9s	68 **21**	**16**	Steel framework tower; 56.	
10449.2 *K 2970.4*	-Blackney Point, No. 1.	24° 03.5′ S 151° 38.1′ E	**Fl.G.** period 2.5s			STARBOARD (A) G, beacon, topmark.	
10449.4 *K 2970.7*	-Turkey Beach, No 3.	24° 04.3′ S 151° 38.9′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
10452 *K 2964*	**Bustard Head.**	24° 01.3′ S 151° 45.9′ E	**Fl.(2)W.** period 10s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 6.9s	336 **102**	**19**	White round metal tower, red dome; 56.	Visible 112°-348°, obscured beyond Round Hill Head 318°-348°.
10456 *K 2963.5*	Round Hill, head.	24° 08.9′ S 151° 53.2′ E	**Fl.W.** period 4s	105 **32**	5		
10460 *K 2968*	Clews Point.	24° 00.2′ S 151° 44.4′ E	**Fl.W.R.** period 1.5s fl. 0.3s, ec. 1.2s	126 **38**	W. 8 R. 5	White metal framework tower, red lantern; 20.	R. 105°-110°, W.-212°, R.-242°, W.-304°.
10464 *K 2962*	**Lady Elliott Island.**	24° 06.9′ S 152° 42.7′ E	**Fl.W.** period 7.5s fl. 0.1s, ec. 7.4s	125 **38**	**20**	White fiberglass hut, framework tower; 105.	
	RACON		**B(– • • •)**		**17**		(3 & 10cm).
	PORT BUNDABERG:						
10469 *K 2956.11*	-Channel Entrance No 1.	24° 45.2′ S 152° 28.1′ E	**Q.(3)W.** period 10s			E. CARDINAL BYB, beacon, topmark.	Channel marked by synchronized beacons, Fl.G. 4s and Fl.R.
10471 *K 2956.5*	-Sea Reach, N.	24° 45.3′ S 152° 23.5′ E	**F.W.G.**			Metal framework tower; 36.	Shown on request to Gladstone Harbor Control. Occasional.
10471.1 *K 2956.501*	--S.	24° 45.3′ S 152° 23.5′ E	**F.W.R.**			Metal framework tower; 36.	Shown on request to Gladstone Harbor Control. Occasional.
10474 *K 2956.29*	-Middle Reach Range, front.	24° 45.6′ S 152° 23.0′ E	**Q.Bu.**				F.W. by day.
			Fl.G. period 4s				
10474.1 *K 2956.291*	--Rear, 140 meters 252°12′ from front.	24° 45.7′ S 152° 22.9′ E	**Iso.Bu.** period 2s				F.W. by day.
10476 *K 2956*	**South Head.**	24° 45.5′ S 152° 24.8′ E	**Fl.(4)W.** period 20s	65 **20**	**18**	White concrete tower, red band; 59.	Visible 120°-320°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			AUSTRALIA-EAST COAST				
10480 *K 2955*	**Bundaberg** AVIATION LIGHT.	24° 54.2′ S 152° 19.5′ E	**Al.Fl.W.G.** period 7.4s W. fl. 0.2s, ec. 3.5s G. fl. 0.2s, ec. 3.5s	161 **49**	W. **28** G. **24**		
10484	*Breaksea Spit.*	24° 20.1′ S 153° 09.1′ E	**Q.W.**			N. CARDINAL BY, pillar, topmark	
	RACON		**G(– – •)**		12		(3 & 10cm).
10488 *K 2932*	**Sandy Cape.**	24° 43.8′ S 153° 12.5′ E	**Fl.W.** period 10s fl. 0.2s, ec. 9.9s	421 **128**	**21**	White round metal tower, red cupola; 108.	Visible 353°-332°.
10490 *K 2949*	-Burrum River Entrance.	25° 10.2′ S 152° 39.0′ E	**Fl.R.** period 2.5s			Beacon, red square daymark.	
	GREAT SANDY STRAIT:						
10491 *K 2938.6*	-Fairway.	25° 08.7′ S 152° 49.9′ E	**L.Fl.W.** period 10s			SAFE WATER RW, beacon, topmark.	
10491.1 *K 2938.7*	-S1.	25° 10.6′ S 152° 52.4′ E	**Fl.(4)Y.** period 10s			SPECIAL Y, beacon, "X" topmark.	
10491.2 *K 2938.8*	-MBN.	25° 12.3′ S 152° 53.3′ E	**Q.W.**			N. CARDINAL BY, beacon, topmark.	
10492 *K 2939*	-Datum Rock, EU.	25° 15.7′ S 152° 56.3′ E	**V.Q.W.**		1	N. CARDINAL BY, beacon, topmark.	
10560 *K 2916*	-Hook Point.	25° 47.0′ S 153° 04.7′ E	**Fl.W.R.G.** period 3s				G. 205°54′-280°24′, W.-281°36′, R.-102°06′. F.W. by day.
10562 *K 2916.5*	-Inskip Point Range, front.	25° 48.6′ S 153° 04.0′ E	**Q.Bu.**				
10562.1 *K 2916.51*	--Rear, 243° from front.	25° 48.7′ S 153° 03.8′ E	**Iso.Bu.** period 2s				Lights are shown in the strait.

Section 11

North Pacific Islands and Melanesia
Including Solomon Islands and Bismarck Archipelago

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			SOLOMON ISLANDS				
	SAN CRISTOBAL:						
10568 *K 4948.2*	-Kira Kira Range, front.	10° 27.0′ S 161° 55.0′ E	**F.R.** (neon)	13 **4**	2	On street light post.	Indicates anchorage for small vessels.
10572 *K 4948.21*	--Rear, 56 meters 143° from front.	10° 27.0′ S 161° 55.0′ E	**F.R.** (neon)	16 **5**	2	On street light post.	
10576 *K 4947.6*	-Wangalaha Point.	10° 17.9′ S 161° 35.1′ E	**Fl.W.** period 5s	99 **30**	8	White metal framework tower.	
10580 *K 4948*	-Kira Kira (No 340).	10° 26.7′ S 161° 55.5′ E	**L.Fl.W.** period 20s fl. 2s, ec. 18s	33 **10**	10	White column.	
	GUADALCANAL:						
10584 *K 4947*	-Square Island.	9° 49.5′ S 160° 54.4′ E	**Fl.W.** period 10s	33 **10**	10	White column.	Visible 041°-057°, 131°-349° and 352°-030°.
10588 *K 4947.2*	-Marau South Range, front.	9° 51.2′ S 160° 51.2′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	10 **3**	2	White metal tripod; 10.	
10592 *K 4947.21*	--Rear, 800 meters 006°36′ from front.	9° 50.8′ S 160° 51.3′ E	**Q.(2)W.** period 10s	40 **12**	5	Orange metal framework tower; 39.	
10596 *K 4947.3*	-NE. Entrance Range, front.	9° 48.0′ S 160° 50.0′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	10 **3**	2	White metal tripod; 10.	
10600 *K 4947.31*	--Rear, 700 meters 203° from front.	9° 48.9′ S 160° 49.6′ E	**Fl.(2)W.** period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 11.5s	20 **6**	4	White metal tripod; 20.	
10604 *K 4947.4*	-Marau Harbor Reef.	9° 50.0′ S 160° 50.0′ E	**Fl.G.** period 3s	7 **2**	2	White metal tripod.	
10608 *K 4946*	-Rere Point.	9° 34.7′ S 160° 36.8′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	33 **10**	5	White column.	
10612 *K 4945*	-Northwest Reef.	9° 29.2′ S 160° 35.4′ E	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	33 **10**	5	White column.	
10616 *K 4944*	-Taivu Point.	9° 24.7′ S 160° 21.0′ E	**L.Fl.(2)W.** period 20s fl. 2s, ec. 2s fl. 2s, ec. 14s	33 **10**	5	White column.	
10620 *K 4943*	-Sealark Reef.	9° 19.5′ S 160° 19.9′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	10	White column.	
10624 *K 4942*	-Koli Point.	9° 24.5′ S 160° 09.6′ E	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	33 **10**	5	White column.	

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			SOLOMON ISLANDS				
10628 *K 4940*	-Lungga Point.	9° 24.6′ S 160° 01.3′ E	**Fl.(3)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	33 **10**	5	White column.	Visible 045°-233°. **Aero Radiobeacon** 2.3 miles SSE.
10632 *K 4935*	-Point Cruz, on point.	9° 25.6′ S 159° 57.5′ E	**Fl.(3)R.** period 10s		4	Power pylon.	
10636 *K 4934*	-Honiara Anchorage Range, front, 640 meters from common rear.	9° 25.9′ S 159° 57.6′ E	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	43 **13**	4	Red and white fiberglass tower.	Forms range 234°30′.
10640 *K 4934.1*	Vavaya Ridge, common rear.	9° 26.1′ S 159° 57.3′ E	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s		4	White fiberglass tower.	
10644 *K 4934.2*	-Point Cruz West Anchorage, front, 500 meters from common rear.	9° 25.8′ S 159° 57.3′ E	**Fl.G.** period 5s fl. 1s, ec. 4s		2	Mast; 39.	Forms range 185°45′.
10650 *K 4938*	-Jetty, head.	9° 25.7′ S 159° 57.3′ E	**F.G.**				
10652 *K 4932*	-Cape Esperance.	9° 15.6′ S 159° 43.4′ E	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	33 **10**	10	White column.	
	-Ngella Sule:						
10660 *K 4908*	--Tulaghi Harbor Range, front.	9° 06.1′ S 160° 10.1′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	26 **8**	5	White column, red and yellow daymark.	
10664 *K 4908.1*	---Rear, 1143 meters 009°19′ from front.	9° 05.5′ S 160° 10.2′ E	**Fl.(2)W.** period 10s	33 **10**	5	White column, red and yellow daymark.	
10665 *K 4909*	--Soghonangola.	9° 07.5′ S 160° 09.4′ E	**Fl.(2)R.** period 10s	33 **10**	3	White column.	
10668 *K 4907*	--Lyons Point.	9° 08.7′ S 160° 13.9′ E	**Fl.(3)W.** period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	33 **10**	10	White column.	
10672 *K 4912*	--Utuha Passage.	9° 03.7′ S 160° 18.1′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	33 **10**	8	White column.	
10680 *K 4906*	--Indalilau Islet.	9° 11.6′ S 160° 21.7′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	33 **10**	10	White column.	
	SANTA ISABEL:						
10684 *K 4924*	-Rua Dika.	8° 44.6′ S 159° 53.5′ E	**Fl.W.** period 10s	54 **16**	9	Orange structure.	
10688 *K 4898.7*	-Tasia Island.	8° 09.0′ S 159° 37.9′ E	**Fl.W.** period 20s fl. 1s, ec. 19s	33 **10**	10	White column.	
	MALAITA:						
10692 *K 4899*	-Manaoba Island.	8° 17.3′ S 160° 48.2′ E	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	30 **9**	11	Orange metal framework tower; 39.	Visible 090°-335°.
10696 *K 4899.4*	--Mbta'ama Harbor.	8° 24.1′ S 160° 35.2′ E	**Fl.R.** period 10s fl. 0.5s, ec. 9.5s	27 **8**	3	Orange metal framework tower.	

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			SOLOMON ISLANDS				
10700 *K 4901*	**-Auki Harbor.**	8° 46.2′ S 160° 42.1′ E	**L.Fl.W.R.** period 5s	317 **97**	W. **15** R. 12	White framework tower; 16.	W. 349°-022°30′, R.-048°, W.-159°.
10704 *K 4902*	--Range, front.	8° 46.5′ S 160° 42.1′ E	**Fl.R.** period 2.5s	26 **8**	5	White column, red and yellow daymark.	
10708 *K 4902.1*	---Rear 115 meters 051°45′ from front.	8° 46.4′ S 160° 42.1′ E	**Fl.R.** period 1.5s fl. 0.3s, ec. 1.2s	33 **10**	5	White column, red and yellow daymark.	
10712 *K 4903*	-Outer reef.	8° 46.9′ S 160° 41.6′ E	**Q.(2)W.** period 10s	33 **10**	5	White column.	
10716 *K 4904*	-Maramasiki Passage, Maka.	9° 35.9′ S 161° 23.0′ E	**Fl.R.** period 5s fl. 1s, ec. 4s	33 **10**	5	White column.	
10720 *K 4900*	-Alite Reef, S. end.	8° 54.6′ S 160° 38.1′ E	**V.Q.(6)+L.Fl.W.** period 10s	33 **10**	4	White column, two triangular daymarks point down.	
10724 *K 4920*	Russell Islands.	8° 58.8′ S 159° 14.4′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	36 **11**	10	White column.	
	NEW GEORGIA:						
10728 *K 4898*	-South Island.	8° 49.1′ S 157° 45.4′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	36 **11**	10	White column.	Visible 274°-170°.
10732 *K 4896*	-Kunda Kunda Reef.	8° 23.0′ S 157° 13.6′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	33 **10**	10	White column.	
10736 *K 4896.4*	-Munda Range, front.	8° 20.2′ S 157° 13.8′ E	**Fl.W.** period 5s fl. 1s, ec. 9s	30 **9**	5	White column.	Visible 042°-062°.
10740 *K 4896.41*	--Rear, 700 meters 054° from front.	8° 19.8′ S 157° 14.3′ E	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	36 **11**	5	White column.	Visible 044°-064°.
10742 *K 4894.8*	-Hathorn Sound Range, front.	8° 15.3′ S 157° 11.4′ E	**Fl.G.** period 2.5s fl. 0.3s, ec. 2.2s	30 **9**	4	White column.	
10742.1 *K 4894.81*	--Rear, 170 meters 190° from front.	8° 15.4′ S 157° 11.4′ E	**Fl.G.** period 1.5s fl. 0.3s, ec. 1.2s	36 **11**	4	White column.	
10743 *K 4894.7*	-Tunguivili Point.	8° 11.4′ S 157° 12.9′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	36 **11**	5	White column.	
10744 *K 4894.6*	-Sosomboeke Islet.	8° 08.3′ S 157° 09.6′ E	**Fl.(2)W.** period 15s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 13.5s	33 **10**	10	White column.	
	-Gizo Island:						
10748 *K 4893*	--Gizo Harbor, NW. entrance range, front.	8° 04.1′ S 156° 50.2′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	16 **5**	3	White tripod, concrete base.	
10752 *K 4893.1*	---Rear, 740 meters 201° from front.	8° 04.4′ S 156° 50.1′ E	**Fl.W.** period 5s fl. 0.4s, ec. 4.6s	36 **11**	5	White metal tripod.	
10756 *K 4893.4*	--E. entrance Range, front, 1040 meters 269° from common rear.	8° 05.5′ S 156° 52.4′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	30 **9**	5	White column.	

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			SOLOMON ISLANDS				
10760 *K 4893.41*	---Common rear.	8° 05.6′ S 156° 51.8′ E	**Fl.(3)R.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	36 **11**	5	White column.	
10762 *K 4893.42*	--SW. entrance, 550 meters 032°32′ from common rear.	8° 05.8′ S 156° 51.7′ E	**Fl.(2)G.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	30 **9**	3	White column.	
10764 *K 4895*	-Visu Visu Point.	7° 57.6′ S 157° 30.1′ E	**Fl.(2)W.** period 15s fl. 0.7s, ec. 1s fl. 0.7s, ec. 12.6s	33 **10**	10	White column.	Visible 133°-282°. **Radar reflector.**
10768 *K 4892.4*	-Nakaza Island.	7° 52.6′ S 156° 29.2′ E	**Fl.W.** period 10s fl. 0.5s, ec. 9.5s	33 **10**	7	White column.	
	CHOISEUL:						
10772 *K 4892*	-Papara Voghoe Point.	7° 10.2′ S 156° 52.0′ E	**Fl.W.R.G.** period 10s fl. 0.5s, ec. 9.5s	167 **51**	W. 8 R. 5 G. 5	White metal framework tower; 39.	W. 310°-327°, R.-346°, W.-050°, G.-065°, W.-087°, R.-120°, W.-140°.
	BOUGAINVILLE:						
10776 *K 4888*	-East Point.	6° 48.1′ S 155° 54.8′ E	**Fl.W.** period 2.5s fl. 0.5s, ec. 2s	19 **6**	9	White column; 16.	Visible 233°-118°.
10780 *K 4887*	-Rantan Island.	6° 40.9′ S 155° 59.0′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	87 **27**	14	White framework tower; 30.	Visible 134°-022°.
10783 *K 4885.7*	-Banaru Reef.	6° 08.3′ S 155° 39.0′ E	**Fl.(2)G.** period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	26 **8**	4	White and orange pile.	**Radar reflector.**
10784 *K 4885.8*	-Moto Reef.	6° 08.8′ S 155° 39.5′ E	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	26 **8**	7	White framework tower; 26.	**Radar reflector.**
10788 *K 4886*	-Otua Islet.	6° 27.4′ S 155° 58.4′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	85 **26**	14	White framework tower; 75.	Visible 143°-359°.
10792 *K 4889*	-Onua Island.	7° 05.0′ S 155° 55.9′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	33 **10**	5	White column.	
10796 *K 4884.4*	-Takanupe.	6° 08.9′ S 155° 34.3′ E	**Fl.(2)W.R.** period 5s		5		W. 192°-012°, R.-192°.
10804 *K 4885.5*	-Kieta Harbor.	6° 12.5′ S 155° 38.3′ E	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	30 **9**	7	Green pole, green triangular daymark point up, concrete base; 20.	
10808 *K 4885.6*	--Wogoromodo Reef.	6° 10.1′ S 155° 39.0′ E	**Fl.(2)R.** period 12s fl. 0.3s, ec. 1s fl. 0.3s, ec. 10.4s	26 **8**	7	Framework tower, red square daymark, white base.	
10824 *K 4884*	**-Cape L'Averdy.**	5° 32.5′ S 155° 03.9′ E	**Fl.W.** period 6s fl. 0.6s, ec. 5.4s	82 **25**	**15**	White framework tower; 66.	
10828 *K 4883*	**-Madehas Island.**	5° 27.6′ S 154° 38.1′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	450 **137**	**16**	White framework tower; 49.	

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			SOLOMON ISLANDS				
10830 *K 4883.5*	-Buka Passage.	5° 24.4′ S 154° 42.7′ E	**Fl.W.** period 2.5s	23 **7**	10	Beacon.	
	Many lights of the Solomon Islands have been reported extinguished (1991).						
			BISMARCK ARCHIPELAGO				
	NEW BRITAIN:						
10832 *K 3504*	-Cape Gazelle.	4° 19.4′ S 152° 23.8′ E	**Fl.(2)W.** period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	17 **5**	10	White fiberglass hut; 7.	
10836 *K 3505*	-Cape Wunita.	4° 20.2′ S 152° 24.3′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	26 **8**	10	White fiberglass hut; 7.	Visible 180°-015°.
10838 *K 3500*	-Mackenzie Shoal.	4° 15.4′ S 152° 13.5′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	26 **8**	9	White pile, orange bands; 26.	
	-Simpson Harbor:						
10844 *K 3498*	--Rabaul Entrance Range, front.	4° 12.0′ S 152° 10.1′ E	**Fl.W.** period 2s fl. 0.4s, ec. 1.6s	92 **28**	10	White framework tower.	F.R. 0.64 mile NW.
10848 *K 3498.1*	---Rear, 430 meters 349°24′ from front.	4° 11.7′ S 152° 10.1′ E	**Fl.W.** period 5s	125 **38**	7		
10852 *K 3494*	**-Cape Tawui.**	4° 08.2′ S 152° 10.2′ E	**Fl.W.** period 7.5s	154 **47**	**18**	White fiberglass hut; 7.	Visible 050°-300°.
10864 *K 3492*	-Cape Lambert.	4° 04.5′ S 151° 31.2′ E	**Fl.(3)W.** period 15s fl. 0.4s, ec. 1s fl. 0.4s, ec. 1s fl. 0.4s, ec. 11.8s	66 **20**	10	White pile; 66.	
10868 *K 3491.2*	-Tavanatangir Harbor, No 2.	4° 48.6′ S 151° 40.5′ E	**Fl.(2)R.** period 8s fl. 0.4s, ec. 1s fl. 0.4s, ec. 6.2s	13 **4**	4	White pile; 13.	
	-Kimbe Bay:						
10869 *K 3490.1*	--No 1.	5° 18.2′ S 150° 58.6′ E	**Fl.(3)G.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	16 **5**	6	Pile; 16.	
10869.2 *K 3490.12*	--No 2.	5° 17.9′ S 150° 58.6′ E	**Fl.(3)R.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	20 **6**	6	Pile; 16.	
10869.5 *K 3490.14*	--No 3.	5° 18.6′ S 150° 59.4′ E	**Fl.G.** period 5s fl. 0.2s, ec. 4.8s	16 **5**	3	Pile; 16.	
10869.7 *K 3490.16*	--No 4.	5° 18.3′ S 150° 59.6′ E	**Fl.R.** period 5s fl. 0.2s, ec. 4.8s	16 **5**	3	Pile; 16.	
10870 *K 3490.18*	--No 5.	5° 18.8′ S 150° 59.9′ E	**Fl.(4)G.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	16 **5**	3	Pile; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BISMARCK ARCHIPELAGO				
10870.2 *K 3490.2*	--No 6.	5° 18.2′ S 150° 58.8′ E	**Fl.(4)R.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	20 **6**	3	Pile; 20.	
10870.5 *K 3490.22*	--No 7.	5° 18.6′ S 151° 00.4′ E	**Q.(2)G.** period 4s	20 **6**	3	Pile; 20.	
10870.7 *K 3490.24*	--No 8.	5° 17.9′ S 151° 00.4′ E	**Q.(2)R.** period 4s	16 **5**	3	Pile; 16.	
10871 *K 3490.26*	--No 9.	5° 17.4′ S 150° 59.9′ E	**Q.G.**	20 **6**	3	Pile; 20.	
10871.2 *K 3490.28*	--No 10.	5° 16.6′ S 150° 59.3′ E	**Fl.(2)R.** period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	16 **5**	3	Pile; 16.	
10871.7 *K 3490.32*	--No 12.	5° 16.5′ S 150° 57.9′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	43 **13**	10	White three-pile; 43.	
10872 *K 3486*	-Kimbe Island.	5° 12.3′ S 150° 22.6′ E	**Fl.(3)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	361 **110**	8	White fiberglass hut; 13.	
10874 *K 3489.5*	-Buluma, E. side.	5° 31.3′ S 150° 18.1′ E	**Fl.R.** period 3s fl. 0.3s, ec. 2.7s	20 **6**	4	Pile structure; 20.	
10874.1 *K 3489.55*	--W. side.	5° 31.4′ S 150° 17.4′ E	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	23 **7**	4	Pile structure; 23.	
10876 *K 3488*	-Grabo Reef, No 1.	5° 28.7′ S 150° 12.7′ E	**Fl.(3)W.** period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	20 **6**	10	Pile ;20.	Kimbe channel is marked by lights.
10880 *K 3484*	-Cape Hollman.	4° 59.5′ S 150° 07.3′ E	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	26 **8**	10	Concrete platform, pile; 26.	
10884 *K 3480*	-Unea Island.	4° 55.8′ S 149° 08.1′ E	**Fl.(2)W.** period 8s fl. 0.4s, ec. 1s fl. 0.4s, ec. 6.2s	23 **7**	10	Concrete platform, pile; 23.	Visible 232°18′-141°42′. **Radar reflector.**
10888 *K 3478*	-Kiau Point, on Long Island.	5° 12.3′ S 147° 05.2′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	92 **28**	10	White framework tower; 92.	Visible 064°-272°.
10890 *K 3506.5*	**-Abligini Island.**	6° 18.7′ S 150° 04.6′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	339 **103**	10	White fiberglass hut; 7.	Visible 290°-086°.
10892 *K 3506*	-Cape Orford.	5° 26.7′ S 152° 05.1′ E	**Fl.(3)W.** period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	308 **94**	10	White fiberglass hut; 7.	Visible 222°-060°.
	DUKE OF YORK ISLAND:						
10894 *K 3495*	-Nakukuru Point.	4° 09.8′ S 152° 24.6′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	23 **7**	10	White pile; 23.	
10894.5 *K 3495.5*	-Kabiletad Point.	4° 07.0′ S 152° 26.7′ E	**Fl.W.** period 5s fl. 0.2s, ec. 4.8s	62 **19**	3	White fiberglass hut; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BISMARCK ARCHIPELAGO				
	NEW IRELAND:						
10896 *K 3514*	-Cape St. George.	4° 50.9′ S 152° 52.6′ E	**Fl.W.** period 5s fl. 0.2s, ec. 4.8s	331 **101**	10	White framework tower; 43.	Visible 230°-136°, obscured beyond several islands.
10900 *K 3512*	-Mait Island.	3° 00.1′ S 150° 43.6′ E	**Fl.W.** period 10s fl. 1s, ec. 9s	260 **79**	10	White framework tower; 52.	Visible 265°-205°.
10904 *K 3511*	-Steffan Strait.	2° 42.5′ S 150° 36.9′ E	**Fl.(2)W.** period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	43 **13**	10	White three-pile; 43.	**Radar reflector.**
10904.1 *K 3510.8*	-Vutte Island, W. side.	2° 39.5′ S 150° 37.7′ E	**Fl.(2)G.** period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	16 **5**	4	White pile; 16.	Visible 358°-195°.
10904.2 *K 3510.7*	-Lemus Island, S. end.	2° 38.2′ S 150° 37.5′ E	**Fl.W.** period 3s fl. 0.3s, ec. 2.7s	23 **7**	4	White mast; 23.	Visible 313°-170°.
10904.3 *K 3510.6*	-Nusaum Island.	2° 38.3′ S 150° 38.5′ E	**Q.R.**	23 **7**	4	White mast; 23.	Visible 239°-075°.
10905 *K 3510.5*	-Cape Siwusat.	2° 37.0′ S 150° 46.6′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	30 **9**	10	White mast; 30.	
10912 *K 3510*	-Kavieng Harbor.	2° 35.5′ S 150° 47.1′ E	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	13 **4**	8	White fiberglass hut, concrete base; 13.	
	MANUS ISLAND:						
10916 *K 3507*	-Seeadler Harbor, Ndrilo Island.	1° 57.6′ S 147° 19.1′ E	**Fl.(4)W.** period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	87 **27**	10	White framework tower; 82.	
10917 *K 3507.35*	--Southward.	1° 59.3′ S 147° 19.7′ E	**Fl.G.** period 5s fl. 1s, ec. 4s	13 **4**	2	Pile; 13.	
10918 *K 3507.1*	--Beacon No 1.	1° 59.9′ S 147° 17.1′ E	**Fl.G.** period 3s fl. 0.3s, ec. 2.7s	13 **4**	4	White pile structure; 13.	
10918.2 *K 3507.2*	---No 2.	1° 59.6′ S 147° 13.8′ E	**Q.(2)W.** period 5s	16 **5**	4	White pile; 16.	
10918.4 *K 3507.3*	---No 3.	2° 01.4′ S 147° 16.5′ E	**Q.(3)G.** period 6s	16 **5**	4	Pile structure; 16.	
10919 *K 3507.5*	--Lobrum Point, northward.	2° 01.5′ S 147° 22.7′ E	**Fl.(2)G.** period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	13 **4**	2	Pile; 13.	
10920 *K 3508*	--Lombrum Bay, jetty.	2° 02.5′ S 147° 22.5′ E	**Q.G.**	16 **5**	4	White post; 7.	
10924 *K 3507.6*	--Papitalai Harbor, Nahuchie Point.	2° 02.4′ S 147° 24.2′ E	**Fl.W.** period 2.5s	22 **7**	10	White fiberglass hut; 20.	
10925 *K 3509.3*	-Hyane Harbor.	2° 02.7′ S 147° 25.2′ E	**Q.W.**	23 **7**	10	Beacon.	
10926 *K 3509.5*	Nauna Island.	2° 13.2′ S 148° 11.8′ E	**Fl.W.** period 5s fl. 1s, ec. 4s	177 **54**	14	White fiberglass hut, concrete base; 10.	Visible 308°-190°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BISMARCK ARCHIPELAGO				
10928 *K 3476*	Alim Island.	2° 53.3′ S 147° 03.7′ E	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	105 **32**	10	White framework tower; 102.	
			NORTH PACIFIC ISLANDS				
	PALAU ISLANDS:						
10932 *F 2111.9*	**-Kepulauan Mapia.**	0° 48.3′ N 134° 18.1′ E	**Fl.(3+1)W.** period 30s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 11s fl. 1s, ec. 11s	138 **42**	**15**	White metal framework tower; 98.	
10933 *F 2112*	-Asia Group, Fani Island.	1° 04.5′ N 131° 16.0′ E	**Fl.(2)W.** period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	49 **15**	11	White beacon.	
10934 *M 8410*	-Angaur Island.	6° 53.9′ N 134° 07.6′ E	**Fl.W.** period 5s		10		
10936 *M 8408*	-Malakal Pass.	7° 16.9′ N 134° 27.9′ E	**Fl.W.** period 6s	24 **7**	7	White round concrete tower.	**Aero Radiobeacon** 4.2 miles NNE.
	CAROLINE ISLANDS:						
	-Yap:						
10942 *M 8425*	--Tamil Harbor S., No 2.	9° 29.4′ N 138° 07.9′ E	**Fl.R.** period 2.5s	20 **6**	4	Pile, red square daymark.	
10943 *M 8425.1*	---No 1.	9° 29.4′ N 138° 07.9′ E	**Fl.G.** period 2.5s	20 **6**	4	Pile, green and red square daymark.	
10943.5 *M 8430*	-Woleai Atoll, Pial Island.	7° 20.8′ N 143° 49.6′ E	**Fl.W.** period 2.5s		6		
	-Truk:						
10944 *M 8447*	--Northeast Pass, S. side of reef.	7° 30.1′ N 151° 58.4′ E	**Fl.W.** period 6s	29 **9**	6	White round concrete tower; 29.	
10944.25 *M 8448.2*	---No 4.	7° 30.0′ N 151° 55.9′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
10944.3 *M 8448.4*	---No 6.	7° 29.8′ N 151° 54.4′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
10944.4 *M 8448.5*	---No 8.	7° 29.8′ N 151° 52.7′ E	**Fl.R.** period 2.5s	13 **4**	4	PORT (A) R, pile, topmark.	
10944.6 *M 8448.7*	---No 10.	7° 29.3′ N 151° 51.8′ E	**Fl.R.** period 4s			PORT (A) R, beacon, topmark.	
10944.7 *M 8449*	---No 11.	7° 29.0′ N 151° 49.7′ E	**Fl.G.** period 4s			STARBOARD (A) G, beacon, topmark.	
	-Pohnpei:						
10946 *M 8453.2*	--Light 2.	6° 59.9′ N 158° 10.8′ E	**Fl.R.** period 4s	20 **6**	4	PORT (A) R, beacon, topmark.	Channel marked by Fl.W. 4s and unlit beacons.
10947 *M 8453.7*	--AVIATION LIGHT, Peipalap Mountain.	6° 58.7′ N 158° 11.4′ E	**F.R.**	622 **190**			Obstruction light.
10948 *M 8453*	--Jokaj Passage Range, front.	6° 59.2′ N 158° 11.3′ E	**Q.W.**	22 **7**		Pile, black and white rectangular daymark.	
10948.1 *M 8453.1*	---Rear, 366 meters 145° from front.	6° 59.0′ N 158° 11.4′ E	**Iso.W.** period 6s	47 **14**		Pile, black and white rectangular daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NORTH PACIFIC ISLANDS				
10950 *M 8455*	--W. side, on reef.	6° 51.9′ N 158° 06.5′ E	**Fl.W.** period 60s	9 **3**	2	Concrete base; 16.	Solar-powered battery-operated. Irregular flashes during continuous inclement weather.
10952 *M 8453.4*	--AVIATION LIGHT on Takatik.	6° 58.9′ N 158° 12.2′ E	**Al.Fl.W.G.**				Occasional.
	-Kusaie:						
10952.2 *M 8457*	--Lele Harbor Range, front.	5° 19.6′ N 163° 01.4′ E	**Q.R.**	10 **3**		Pile, red rectangular daymark, white stripe.	
10952.4 *M 8457.1*	---Rear, 427 meters 277° from front.	5° 19.6′ N 163° 01.2′ E	**Iso.R.** period 6s	19 **6**		Pile, red rectangular daymark, black stripe.	
10952.6 *M 8459*	--Okat Harbor Range, front.	5° 20.8′ N 162° 57.5′ E	**Iso.W.** period 3s	36 **11**	5	Black metal pile with platform, white triangular daymark point up.	
10952.7 *M 8459.1*	---Rear, 300 meters 094°54′ from front.	5° 20.8′ N 162° 57.6′ E	**F.W.**	52 **16**	5	Black metal pile with platform, white triangular daymark point down.	
	MARIANA ISLANDS:						
	-Saipan:						
10955 *M 8364*	--Maniagassa (Managaha) Island.	15° 14.4′ N 145° 42.7′ E	**Fl.W.R.G.** period 6s fl. 0.6s, ec. 5.4s	75 **23**	5	Post, black and white checkered diamond daymark.	G. 030°-040°, W.-047°, R.-057°.
10956 *M 8366*	--Puetton Tanapag (Tanapag Harbor) Range, front.	15° 13.7′ N 145° 44.4′ E	**Q.G.**	52 **16**		Framework tower, red rectangular daymark, white stripe.	Visible 084°6′-092°6′. F.R. on radio masts 1.2 miles SW.
10960 *M 8366.1*	---Rear, 922 meters 088°6′ from front.	15° 13.8′ N 145° 45.0′ E	**Iso.G.** period 6s	125 **38**		Framework tower, red rectangular daymark, white stripe.	Visible 084°6′-092°6′.
	-Tinian:						
10961 *M 8371*	--Ushi Point.	15° 05.9′ N 145° 38.5′ E	**Fl.W.** period 2.5s	18 **5**	6	Pile, black and white checkered diamond daymark.	
10962 *M 8370*	--Sunharon Roads Channel Light No 5, corner of pier.	14° 57.9′ N 145° 37.5′ E	**Fl.G.** period 4s	20 **6**	4	Post, green triangular daymark point up; 13.	
	-Rota:						
10976 *M 8374*	--West Harbor Range, front.	14° 08.1′ N 145° 07.9′ E	**Q.G.**	36 **11**		Post, rectangular red daymark, white stripe.	Visible 113°12′-121°12′.
10980 *M 8374.1*	---Rear, 27 meters 117°12′ from front.	14° 08.1′ N 145° 08.0′ E	**Iso.G.** period 6s	49 **15**		Post, rectangular red daymark, white stripe; 36.	Visible 113°12′-121°12′.
	-Guam:						
10981 *M 8382*	--Ritidian Point (U.S.).	13° 39.0′ N 144° 51.7′ E	**Fl.W.** period 6s	573 **175**	9	Column, black and white checkered diamond daymark; 20.	Visible 053°-291°.
10982 *M 8384*	--Orote Point (U.S.).	13° 26.8′ N 144° 37.2′ E	**Fl.W.** period 5s	226 **69**	14	Concrete tower, black and white checkered diamond daymark; 20.	Visible 358°-227°.
	--Apra Outer Harbor:						
10983 *M 8386*	---Entrance Range, front (U.S.).	13° 27.4′ N 144° 40.0′ E	**Q.G.**	39 **12**		Metal post, red rectangular daymark, white stripe.	Visible 079°42′-087°42′.
10983.1 *M 8386.1*	----Rear (U.S.), 610 meters 083°42′ from front.	13° 27.4′ N 144° 40.3′ E	**Iso.G.** period 6s	82 **25**		Framework tower, red rectangular daymark, white stripe; 59.	Visible 079°42′-087°42′.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NORTH PACIFIC ISLANDS				
10984 *M 8386.2*	---Glass Breakwater (U.S.).	13° 27.3′ N 144° 37.5′ E	**Fl.W.** period 4s	59 **18**	6	Post, black and white checkered diamond daymark; 16.	
	--Apra Inner Harbor:						
10985 *M 8387.4*	---Approach Range, front (U.S.).	13° 26.5′ N 144° 40.0′ E	**Q.R.**	15 **5**	11	Post, red rectangular daymark, white stripe.	Visible 137°-145°.
10985.1 *M 8387.41*	----Rear (U.S.), 128 meters 141° from front.	13° 26.5′ N 144° 40.1′ E	**Iso.R.** period 6s	30 **9**		Post, red rectangular daymark, white stripe.	Visible 137°-145°.
10986 *M 8388*	---Range, front (U.S.).	13° 25.1′ N 144° 40.0′ E	**Q.G.**	43 **13**		Post, red rectangular daymark, white stripe.	Visible 172°30′-180°30′.
10986.1 *M 8388.1*	----Rear (U.S.), 172 meters 176° from front.	13° 25.0′ N 144° 40.0′ E	**Iso.G.** period 6s	59 **18**		Post, red rectangular daymark, white stripe.	Visible 172°30′-180°30′.
	MARSHALL ISLANDS:						
	-Kwajalein:						
10988 *M 8467*	--Kwajalein AVIATION LIGHT.	8° 43.8′ N 167° 44.4′ E	**Al.Fl.W.G.**	124 **38**		Water tower.	F.R. on water tower close N. Fl.W. on telephone tower on Ebeye Is. (2.6 miles N). **Aero Radiobeacon** 0.9 mile SW.
11010 *M 8467.4*	--Bigej Channel No 7 (U.S.).	8° 47.0′ N 167° 42.5′ E	**Fl.G.** period 4s	13 **4**	5	Post, green square daymark; 13.	
11014 *M 8467.5*	--Bigej Junction N (U.S.).	8° 44.3′ N 167° 43.7′ E	**Fl.(2+1)G.** period 6s	12 **4**	5	Green and red bands.	
11040 *M 8468*	--AVIATION LIGHT, on Roi Namur.	9° 23.8′ N 167° 28.5′ E	**Al.Fl.W.G.**			Red and white water tower.	
	-Bikini Atoll:						
11050 *M 8471*	--Enyu.	11° 31.2′ N 165° 33.7′ E	**Fl.G.**				
	-Majuro Atoll:						
11060 *M 8465*	--Eroj Island.	7° 09.8′ N 171° 09.9′ E	**Fl.W.** period 6s	90 **27**	7	White framework tower, diamond daymark, 85.	
11060.2 *M 8466.2*	--Calalin Channel No 1.	7° 09.7′ N 171° 10.4′ E	**Fl.G.** period 2.5s	21 **6**	4	Pile, green triangular daymark point up; 13.	
11060.25 *M 8466.25*	--Light No 2.	7° 09.8′ N 171° 10.8′ E	**Fl.R.** period 2.5s	21 **6**	4	Pile, red square daymark; 13.	
11060.3 *M 8466.3*	--Light No 3.	7° 09.2′ N 171° 10.7′ E	**Fl.G.** period 4s	21 **6**	4	Pile, green triangular daymark point up; 13.	
11060.35 *M 8466.35*	--Light No 4.	7° 09.3′ N 171° 10.9′ E	**Fl.R.** period 4s	21 **6**	4	Pile, red square daymark; 13.	
11060.55 *M 8466.55*	--Light No 8.	7° 08.1′ N 171° 14.8′ E	**Fl.R.** period 4s	21 **6**	4	Pile, red square daymark; 13.	
11060.75 *M 8466.75*	--Light No 11.	7° 06.4′ N 171° 17.4′ E	**Fl.G.** period 2.5s	21 **6**	4	Pile, green triangular daymark point up; 13.	
11061	--AVIATION LIGHT.	7° 04.1′ N 171° 16.9′ E	**Fl.W.G.**				**Radiobeacon** close E.
	GILBERT ISLANDS:						
11072	-Beru, Government Wharf.	1° 22.0′ N 175° 57.0′ E	**F.W.**				Shown only when a ship is present at night.
11076 *M 8508*	--Tarawa, NW. point.	1° 38.0′ N 172° 57.0′ E	**L.Fl.W.** period 20s fl. 4s, ec. 16s			Metal framework tower; 70.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			NORTH PACIFIC ISLANDS				
11080 *M 8512*	**--Betio.**	1° 21.3′ N 172° 55.2′ E	**Fl.W.** period 8s fl. 0.3s, ec. 7.7s	105 **32**	**18**	Radio tower; 108.	
	-Tarawa Atoll:						
11084 *M 8515*	---Boat harbor, E. jetty.	1° 22.0′ N 172° 56.0′ E	**F.R.**	53 **16**	4		
11092 *M 8516*	--Bairiki, boat harbor, Beacon F.	1° 20.1′ N 172° 58.5′ E	**Q.R.**	8 **2**		White framework tower, white triangular daymark point up.	Occasional.
11094 *K 4771*	Nauru Island, AVIATION LIGHT.	0° 32.8′ S 166° 54.6′ E	**Fl.W.G.** period 10s				
11096 *M 8482*	**Wake Island,** AVIATION LIGHT.	19° 17.0′ N 166° 39.0′ E	**Al.Fl.W.G.** period 10s	61 **19**	W. **28** G. **23**	White framework tower, orange bands; 52.	
11100 *M 8536*	**Christmas Island,** AVIATION LIGHT.	1° 59.1′ N 157° 28.9′ W	**F.R.**	128 **39**	**17**	Framework tower.	Obstruction.
11108 *M 8528*	Fanning Island, Weston Point.	3° 51.2′ N 159° 22.0′ W	**F.W.**	30 **9**	12	Stone Monument.	Shown on request.
	MIDWAY ISLANDS:						
11112 *G 7580*	-Sand Island, AVIATION LIGHT.	28° 12.7′ N 177° 22.6′ W	**Al.Fl.W.W.G.** period 10s	158 **48**		Red and white checkered tank.	F.R. lights on tower 325 yards WNW. **Aero Radiobeacon** 1000 yards S.

Section 12

British Columbia
Dixon Entrance to Queen Charlotte Strait

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ALASKA-CANADA				
	DIXON ENTRANCE (U.S.):						
11132 *G 5924*	-Cape Muzon, W. side of entrance to Cordova Bay.	54° 39.8′ N 132° 41.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	80 **24**	7	Column, red and white diamond daymark.	Visible 297°-089°.
11136 *G 5916*	-Round Island, Cordova Bay, SW. side of W. island.	54° 46.7′ N 132° 30.4′ W	**Fl.W.R.** period 2.5s	56 **17**	W. 6 R. 4	Skeleton tower, red and white diamond daymark.	R. 327°-346°, W.-149°30′.
11140 *G 5914*	-Point Marsh, on small islet SE. of point.	54° 42.7′ N 132° 17.7′ W	**Fl.W.** period 4s	74 **23**	6	Skeleton tower, red and white diamond daymark.	Visible 265°-127°.
11144 *G 5910*	-Cape Chacon.	54° 41.4′ N 132° 01.0′ W	**Fl.W.** period 2.5s	50 **15**	6	Framework tower, red and white diamond daymark.	Visible 226°30′-112°.
11148 *G 5988*	-Barren Island.	54° 44.7′ N 131° 20.9′ W	**Fl.W.** period 4s	85 **26**	7	Post, red and white diamond daymark.	
11152 *G 5818*	-Jacinto Point. (Can.)	54° 34.7′ N 131° 04.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	35 **11**	5	White square skeleton tower.	
11156 *G 5984*	-Tree Point, E. end of S. entrance to Revillagigedo Channel.	54° 48.2′ N 130° 55.9′ W	**Fl.W.** period 6s	86 **26**	9	White square tower, building.	Visible 318°-158°.
11160 *G 5972*	-Lord Rock.	54° 43.6′ N 130° 49.1′ W	**Fl.W.** period 4s fl. 0.4s, ec. 3.6s	38 **12**	7	Skeleton tower, red and white diamond daymark.	
11164 *G 5863.8*	Pearse Canal Island. (Can.)	54° 47.1′ N 130° 36.5′ W	**Fl.W.** period 4s	12 **4**	5	Orange square skeleton tower.	
	PORTLAND INLET:						
11168 *G 5864*	-Lizard Point. (Can.)	54° 50.0′ N 130° 16.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	28 **9**	5	Red cylindrical tower.	
11172 *G 5866*	-Ramsden Point. (Can.)	54° 59.0′ N 130° 06.3′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	5	Orange square skeleton tower.	
11172.2 *G 5866.6*	-Double Islets. (Can.)	54° 57.7′ N 129° 56.8′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	26 **8**	5	Square skeleton tower, orange rectangular daymark.	
11172.4 *G 5866.8*	-Fort Point. (Can.)	54° 59.1′ N 129° 54.9′ W	**Fl.W.** period 4s	20 **6**	5	Square skeleton tower, orange rectangular daymark.	
11172.6 *G 5867*	-Mill Bay. (Can.)	54° 59.7′ N 129° 53.3′ W	**Q.W.**	19 **6**	4	Square skeleton tower, orange rectangular daymark.	
11172.8 *G 5867.4*	-Leading Point. (Can.)	54° 58.8′ N 129° 50.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	18 **6**	5	Square skeleton tower, orange rectangular daymark.	

For lights in Alaska and the Aleutian Islands, see C.G. Light List Pacific Coast, Vol. VI.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			ALASKA-CANADA				
	PORTLAND CANAL:						
11176 *G 5882*	-Reef Island. (U.S.)	55° 04.8′ N 130° 12.1′ W	**Fl.W.** period 4s fl. 0.4s, ec. 3.6s	19 **6**	6	Column, red and white diamond daymark.	Visible 197°30′-020°30′. Higher intensity beam up Portland Canal, higher intensity beam down Pearse Canal.
11180 *G 5884*	-Hattie Island. (Can.)	55° 17.2′ N 129° 58.4′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	21 **6**	6	Orange square skeleton tower.	
11188 *G 5888*	-Stewart Point. (Can.)	55° 54.7′ N 129° 59.5′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	8 **2**	5	Orange square skeleton tower.	
	For lights in Alaska and the Aleutian Islands, see C.G. Light List Pacific Coast, Vol. VI.						
			CANADA				
	PORTLAND INLET:						
11192 *G 5889*	-Stewart Dolphin, W.	55° 54.8′ N 130° 00.3′ W	**Fl.G.** period 4s	10 **3**	4	Mast, three-pile dolphin, black, white and green trapezoidal daymark.	
11193 *G 5890*	-Stewart Bulk Terminal.	55° 54.9′ N 130° 00.3′ W	**F.R.**				Private light.
11193.1	--SE.	55° 54.9′ N 130° 00.2′ W	**F.R.**				Private light.
11193.2	--NW.	55° 55.0′ N 130° 00.4′ W	**F.R.**				Private light.
	OBSERVATORY INLET:						
11196 *G 5869*	-Observatory Inlet.	55° 09.9′ N 129° 54.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	6	Orange square skeleton tower.	
11200 *G 5870*	-Richards Point.	55° 17.3′ N 129° 48.8′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	20 **6**	5	Square skeleton tower, orange rectangular daymark.	
11204 *G 5872*	--Brooke Shoal.	55° 22.9′ N 129° 42.9′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	18 **5**	5	Square skeleton tower, orange rectangular daymark.	
11208 *G 5874*	-Hyde Rock.	55° 23.7′ N 129° 41.1′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	16 **5**	6	Orange square skeleton tower.	
11212 *G 5876*	-Alice Arm, S. of Hans Point.	55° 25.6′ N 129° 40.1′ W	**Fl.R.** period 4s fl. 0.5s, ec. 3.5s	19 **6**	4	Orange square skeleton tower.	
11214 *G 5877*	-Pearson Point.	55° 27.4′ N 129° 30.1′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	17 **5**	6	Orange square skeleton tower.	
11216 *G 5878*	-Alice Arm, wharf.	55° 28.2′ N 129° 29.7′ W	**Fl.G.** period 4s fl. 0.5s, ec. 3.5s	15 **5**	4	Square skeleton tower, black, white and green square daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11232 *G 5837.4*	--Lawn Point Sector.	53° 25.5′ N 131° 54.8′ W	**Dir.W.R.G.**	42 **13**	7	Square skeleton tower, white rectangular daymark.	F.R. 230°-235°, F.W.-241°, F.G.-245°.
	--RACON		**K(– • –)**		**15**		(3 & 10cm).
11244 *G 5838.4*	-Flowery Islet, highest point.	53° 13.3′ N 132° 00.3′ W	**Q.W.**	24 **7**	5	Square skeleton tower.	
11248 *G 5840*	-South Bay, small island, W. end.	53° 09.9′ N 132° 03.9′ W	**Fl.W.** period 4s	12 **4**	5	Square skeleton tower.	
11252 *G 5838.6*	--Kwuna Point, Government wharf, end.	53° 12.9′ N 131° 59.5′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	12 **4**	6	Square skeleton tower.	
11256 *G 5838.8*	--Alliford Bay, SW. of Kwuna Point.	53° 12.8′ N 131° 59.6′ W	**Fl.W.** period 4s	12 **4**	5	White cylindrical tower.	
11260 *G 5838*	-Gillatt Island, W. side.	53° 14.7′ N 131° 53.9′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	7	White cylindrical tower.	
11264 *G 5837*	-Sandspit AVIATION LIGHT.	53° 15.2′ N 131° 48.8′ W	**Fl.W.** period 2s				Operates in restricted visibility or upon request. Private light.
11268 *G 5835*	-Kingui Island.	53° 01.5′ N 131° 37.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	26 **8**	5	Square skeleton tower.	
11272 *G 5836.2*	-McCoy Cove.	53° 02.1′ N 131° 39.2′ W	**F.W.R.G.**	15 **5**	5	Square skeleton tower, orange rectangular daymark, black stripe.	G. 082°-090°, W.-092°, R.-101°.
11276 *G 5836*	-Haans Islet.	53° 02.3′ N 131° 41.2′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	14 **4**	6	Square skeleton tower.	
11280 *G 5834*	-Low Island.	52° 54.8′ N 131° 32.3′ W	**Fl.W.** period 4s	59 **18**	5	White cylindrical tower.	
	-Selwyn Inlet:						
11284 *G 5834.2*	--Haswell Island, S. side.	52° 51.7′ N 131° 41.1′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	27 **8**	3	Mast.	
11288 *G 5834.6*	--Selwyn Point.	52° 51.7′ N 131° 50.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	17 **5**	6	Square skeleton tower.	
11292 *G 5833.4*	-Darwin Point, NW. of point.	52° 34.5′ N 131° 37.7′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	42 **13**	5	White cylindrical tower.	
11296 *G 5833*	-Scudder Point.	52° 26.8′ N 131° 14.3′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	18 **6**	5	Square skeleton tower.	
	-Skincuttle Inlet:						
11300 *G 5831*	--East Copper Island.	52° 21.4′ N 131° 10.4′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	50 **15**	5	White cylindrical tower.	
11304 *G 5832*	--Bush Rock.	52° 18.3′ N 131° 16.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	30 **9**	6	Square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11308 *G 5830*	-Garcin Rocks, middle rock.	52° 12.5′ N 130° 58.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	64 **20**	5	Square skeleton tower.	
11312 *G 5829*	Hornby Point.	52° 10.6′ N 131° 21.5′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	18 **6**	5	White square skeleton tower.	
11316 *G 5826*	-Cape St. James.	51° 56.1′ N 131° 01.0′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	315 **96**	13	White mast.	
11320 *G 5828*	Flatrock Island.	52° 06.4′ N 131° 10.1′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	81 **25**	5	Square skeleton tower.	
11328 *G 5863.7*	-Gowgaia Point.	52° 24.0′ N 131° 35.3′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	98 **30**	5	White square skeleton tower.	
11332 *G 5861*	-Davidson Point.	52° 44.5′ N 132° 06.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	122 **37**	7	White cylindrical tower.	
11336 *G 5861.4*	-Tasu Narrows.	52° 44.7′ N 132° 06.4′ W	**Fl.G.** period 4s	47 **14**	4	Square skeleton tower.	
11340 *G 5862*	-Tasu Sound.	52° 45.0′ N 132° 05.7′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	29 **9**	5	White square skeleton tower.	
11344 *G 5863*	--Horn Island.	52° 46.2′ N 132° 03.4′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	5	Square skeleton tower.	
11348 *G 5860*	-Tcenakun Point, Chaatl Island.	53° 09.1′ N 132° 35.0′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	91 **28**	6	Square skeleton tower.	
11352 *G 5859*	-Marble Island, W. extremity.	53° 12.1′ N 132° 40.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	113 **34**	6	Square skeleton tower.	
11356 *G 5858.6*	-Kindakun Point.	53° 18.9′ N 132° 46.3′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	67 **20**	6	Square skeleton tower.	
11360 *G 5858.4*	-Kunakun Point.	53° 28.1′ N 132° 53.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	70 **21**	6	Square skeleton tower.	
11364 *G 5858*	-Hippa Island.	53° 32.8′ N 133° 00.6′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	103 **32**	6	Square skeleton tower.	
11368 *G 5857*	-Frederick Island, on Hope Point.	53° 56.3′ N 133° 11.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	55 **17**	5	Square skeleton tower.	
11372 *G 5854*	-Iphigenia Point.	54° 11.4′ N 133° 00.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	31 **10**	5	White square skeleton tower.	
11376 *G 5856*	--Langara Point.	54° 15.4′ N 133° 03.6′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	160 **49**	8	White octagonal tower.	Emergency light.
11380 *G 5852*	-Parry Passage.	54° 10.9′ N 132° 58.4′ W	**Fl.W.** period 4s	24 **7**	5	White square skeleton tower.	
11384 *G 5851*	-Shag Rock.	54° 09.4′ N 132° 39.1′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 **7**	5	Mast.	
11392 *G 5850*	-George Point.	54° 02.5′ N 132° 34.1′ W	**Q.G.**	9 **3**	3	White square skeleton tower, black, white and green square daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11408 *G 5848*	-Wiah Point.	54° 07.0′ N 132° 18.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	17 **5**	5	Cylindrical tower.	
11412 *G 5847.8*	Refuge Island Boat Harbor.	54° 07.0′ N 132° 19.0′ W	**F.W.R.G.**	16 **5**	7	White square skeleton tower, orange rectangular daymark, black stripe.	R. 206°-213°, W.-216°, G.-223°.
11416 *G 5843*	-Striae Islands, E. islet.	54° 05.2′ N 132° 14.9′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 **6**	5	White square skeleton tower.	
	-Masset Inlet:						
11420 *G 5842*	--Harbor entrance Range, front.	54° 02.0′ N 132° 11.9′ W	**F.Y.**	22 **7**	11	Square skeleton tower, orange rectangular slatwork daymark, black stripe.	
11424 *G 5842.1*	---Rear, 1535.9 meters 165°43′ from front.	54° 01.2′ N 132° 11.6′ W	**F.Y.**	46 **14**	11	Square skeleton tower, orange rectangular slatwork daymark, black stripe.	
11428 *G 5843.2*	--Rooney Point.	54° 01.0′ N 132° 10.0′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	24 **7**	4	Three-pile dolphin, red and white triangular daymark point up.	
11432 *G 5844*	--Cook Point.	53° 48.4′ N 132° 12.1′ W	**Fl.W.** period 4s	13 **4**	5	White square skeleton tower.	
11436 *G 5845*	--Sloop Islet.	53° 45.5′ N 132° 14.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	17 **5**	5	White square skeleton tower.	
11440 *G 5846*	-Dawson Islands, on easternmost island.	53° 43.0′ N 132° 20.2′ W	**Fl.W.** period 4s	31 **10**	3	White square skeleton tower.	
11444 *G 5847*	-Learmonth Island.	53° 40.7′ N 132° 27.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	21 **6**	5	White square skeleton tower.	
11448	*-Stenhouse Shoal Buoy D59.*	54° 20.0′ N 130° 56.0′ W	**Fl.G.** period 4s			Green buoy	**Whistle.**
	-RACON		**C(– • – •)**		**15**		(3 & 10cm).
11454 *G 5812.3*	-Hanmer Rocks.	54° 19.4′ N 130° 49.3′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	36 **11**	7	White octagonal tower.	
	-RACON		**M(– –)**		**15**		(3 & 10cm).
11460 *G 5812*	**-Triple Islands.**	54° 17.7′ N 130° 52.8′ W	**Fl.(2)W.** period 9s fl. 0.3s, ec. 2.4s fl. 0.3s, ec. 6s	92 **28**	**16**	White octagonal tower.	
11464 *G 5811.5*	-Osborne Island.	54° 17.2′ N 130° 51.2′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	33 **10**	5	White cylindrical tower.	
11468 *G 5811*	-Butterworth Rocks.	54° 14.1′ N 130° 58.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	59 **18**	7	Square skeleton tower.	
	-RACON		**X(– • • –)**		**15**		(3 & 10cm).
11472 *G 5810*	-Archibald Islands.	54° 12.9′ N 130° 50.0′ W	**Fl.W.** period 4s	22 **7**	5	Square skeleton tower.	
11476 *G 5809*	-Harris Rock.	54° 13.0′ N 130° 45.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	19 **6**	6	White square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11480 *G 5757*	-Chearnley Passage.	54° 01.5′ N 130° 41.2′ W	**Q.W.**	19 **6**	5	Square skeleton tower.	
11484 *G 5756*	--Seal Rocks.	54° 00.0′ N 130° 47.5′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	44 **13**	7	Square skeleton tower.	
	--RACON		**Y(– • – –)**		**15**		(3 & 10cm).
	-Masset Inlet:						
11488 *G 5754*	--Freeman Passage.	53° 49.8′ N 130° 37.8′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19 **6**	5	White square skeleton tower.	
	-Beaver Passage:						
11492 *G 5751*	--Hankin Rock.	53° 42.5′ N 130° 24.7′ W	**Fl.W.** period 4s	32 **10**	5	White cylindrical tower.	
11496 *G 5752*	--Connis Islet.	53° 45.4′ N 130° 19.1′ W	**Q.W.**	15 **5**	4	White cylindrical tower.	
11500 *G 5753*	--Bully Island.	53° 47.9′ N 130° 19.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	22 **7**	5	White cylindrical tower.	
11504 *G 5753.6*	-Moore Island, NE. corner.	53° 47.4′ N 130° 31.3′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	18 **6**	5	White square skeleton tower.	
	PRINCIPE CHANNEL:						
11508 *G 5747.8*	-Keswar point.	53° 37.6′ N 130° 21.1′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	27 **8**	7	White square skeleton tower.	Visible 315°-126°.
11512 *G 5747.6*	-Wheeler Island, SW. corner.	53° 33.0′ N 130° 08.7′ W	**Fl.W.** period 4s	27 **8**	7	White square skeleton tower.	
11516 *G 5747.4*	-Principe Channel.	53° 23.6′ N 129° 54.4′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	20 **6**	5	White square skeleton tower.	
	HECATE STRAIT:						
11520 *G 5749*	-Browning Entrance.	53° 38.1′ N 130° 33.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	41 **12**	5	White square skeleton tower.	
11524 *G 5748.5*	-Northwest Rocks.	53° 33.0′ N 130° 38.0′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	53 **16**	5	White cylindrical tower.	
11526 *G 5749.5*	-Larsen Harbor, W. end of Banks Island.	53° 37.7′ N 130° 32.4′ W	**Q.R.**	18 **5**	3	White square skeleton tower.	
11528 *G 5748*	**-Bonilla Island** Sector, W. side of island.	53° 29.6′ N 130° 38.2′ W	**Fl.W.R.** period 5s fl. 0.3s, ec. 4.7s	120 **37**	**21**	White cylindrical tower, red top.	R. 334°-000°, W.-168°, R.-198°.
	-Otter Passage:						
11532 *G 5747*	--Man Island.	53° 07.7′ N 129° 46.5′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	44 **13**	5	White mast.	
11536 *G 5747.2*	-Block Islands.	53° 09.0′ N 129° 43.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	24 **7**	5	White square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
	CHATHAM SOUND:						
11540 *G 5816*	-Holliday Island.	54° 37.4′ N 130° 45.5′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	21 **6**	5	White square skeleton tower.	
11544 *G 5822*	-Pointer Rocks.	54° 36.3′ N 130° 32.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	26 **8**	5	White cylindrical tower.	
11548 *G 5820*	-Birnie Island.	54° 35.4′ N 130° 27.7′ W	**Fl.W.** period 4s	28 **9**	5	White square skeleton tower.	
11552 *G 5819.4*	-One Tree Islet.	54° 33.8′ N 130° 26.3′ W	**Fl.R.** period 4s	17 **5**	4	Square skeleton tower.	
11556 *G 5814*	**-Green Island.**	54° 34.1′ N 130° 42.5′ W	**Fl.W.** period 5s	63 **19**	**17**	White octagonal tower.	
11560 *G 5813*	-Whitesand Island.	54° 30.8′ N 130° 44.8′ W	**Fl.W.** period 4s	22 **7**	5	White square skeleton tower.	
11564 *G 5812.6*	-Dundas Island.	54° 27.6′ N 130° 56.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	34 **11**	5	White square skeleton tower.	
11572 *G 5819*	-Port Simpson, breakwater.	54° 33.7′ N 130° 25.7′ W	**Q.R.**	13 **4**	3	White mast.	
11576 *G 5808.4*	-Slippery Rock.	54° 24.0′ N 130° 30.0′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	22 **7**	5	White cylindrical tower.	
11584 *G 5808.2*	-Ryan Point Reef.	54° 21.5′ N 130° 30.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	24 **7**	3	White cylindrical tower, four-pile dolphin.	
11588 *G 5808*	-Shrub Island.	54° 19.8′ N 130° 27.7′ W	**Q.R.**	25 **8**	3	White cylindrical tower, red top, four-pile dolphin.	
11592 *G 5807.4*	-Devastation Island, N. side of island.	54° 19.3′ N 130° 29.3′ W	**Fl.R.** period 4s	17 **5**	4	White cylindrical tower, red top.	
11604 *G 5807*	Lucy Islands.	54° 17.7′ N 130° 36.5′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	71 **22**	14	White octagonal tower.	
11608 *G 5807.2*	Lucy Islands N.	54° 18.1′ N 130° 37.4′ W	**Q.W.**	18 **5**	4	White cylindrical tower.	
11616 *G 5783*	-East Kinahan Island.	54° 12.8′ N 130° 23.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	24 **7**	5	White cylindrical tower.	
	PRINCE RUPERT HARBOR:						
11624 *G 5794*	-Barrett Rock.	54° 14.6′ N 130° 20.6′ W	**Fl.R.** period 6s fl. 1s, ec. 5s	22 **7**	7	White square skeleton tower, red top.	
11632 *G 5794.4*	-Frederick Point.	54° 15.5′ N 130° 21.6′ W	**Fl.G.** period 4s	33 **10**	4	White round tower, green top.	
11636 *G 5795*	-Casey Point, on edge of shoal, off point.	54° 16.4′ N 130° 21.7′ W	**Q.R.**	26 **8**	6	Square skeleton tower, red top.	
11637 *G 5795.3*	-Fairview Terminal, SE.	54° 17.0′ N 130° 21.7′ W	**Fl.R.**				Private light.
11638 *G 5795.5*	--SW.	54° 17.0′ N 130° 21.7′ W	**F.Fl.Y.**				Private light.
11639 *G 5795.6*	--N.	54° 17.2′ N 130° 21.6′ W	**F.Fl.Y.**				Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11640 *G 5796*	-Parizeau Point.	54° 17.2′ N 130° 22.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	8	Three-pile dolphin.	
11644 *G 5797.8*	-Oldfield Terminal, on barge.	54° 17.4′ N 130° 21.5′ W	**F.R.**	18 **5**		Mast.	Private light.
11648 *G 5797.3*	-Dodge Cove Range, front.	54° 17.4′ N 130° 22.9′ W	**F.Y.**	10 **3**	9	Three-pile dolphin, orange trapezoidal daymark, black stripe.	
11652 *G 5797.31*	--Rear, 114.7 meters 253°31′ from front.	54° 17.4′ N 130° 23.0′ W	**F.Y.**	23 **7**	9	Three-pile dolphin, orange trapezoidal daymark, black stripe.	
11654 *G 5805.5*	-Seal Cove.	54° 20.2′ N 130° 16.6′ W	**Q.W.**	16 **5**	4	White cylindrical tower.	
11656 *G 5797.6*	-Oldfield breakwater, on floating breakwater.	54° 17.7′ N 130° 21.4′ W	**Fl.R.** period 4s	4 **1**	5	Mast, red and white triangular daymark point up.	
11659 *G 5800.3*	-McIntosh Rock.	54° 18.2′ N 130° 22.7′ W	**Q.W.**	23 **7**	5	Mast, red and white triangular daymark point up.	
11660 *G 5801*	-Grindstone point.	54° 18.6′ N 130° 23.2′ W	**Fl.R.** period 4s	20 **6**	4	White cylindrical tower, red upper portion.	
11664 *G 5802*	-Venn Passage.	54° 18.7′ N 130° 23.6′ W	**Q.G.**	15 **5**	4	White cylindrical tower, green upper portion.	
11668 *G 5803*	-Du Vernet Point.	54° 18.8′ N 130° 24.1′ W	**Q.R.**	11 **3**	3	White cylindrical tower, red upper portion.	
11672 *G 5803.2*	-Shkgeaum Bay Range, front.	54° 18.6′ N 130° 24.5′ W	**F.Y.**	13 **4**	9	Mast, orange trapezoidal daymark, black stripe.	
11674 *G 5803.21*	--Rear, 229 meters 172° from front.	54° 18.5′ N 130° 24.4′ W	**F.Y.**	28 **8**	9	Mast, orange trapezoidal daymark, black stripe.	
11676 *G 5803.4*	-Roberson Point.	54° 19.4′ N 130° 24.6′ W	**Dir.W.R.G.**	9 **3**	7	White square skeleton tower, orange rectangular daymark, black stripe.	F.R. 110°30′-114°, F.W.-118°, F.G.-124°.
11684 *G 5803.6*	-Dundas Point.	54° 19.4′ N 130° 25.0′ W	**Dir.W.R.G.**	16 **5**	8	White square skeleton tower, orange rectangular daymark, black stripe.	F.R. 138°-142°, F.W.-146°, F.G.-151°.
11688 *G 5803.8*	-Metlakatla Passage.	54° 20.2′ N 130° 25.4′ W	**Dir.W.R.G.**	9 **3**	8	Square skeleton tower, orange rectangular daymark, black stripe.	F.R. 073°-077°, F.W.-080°, F.G.-085°.
11692 *G 5806*	-North Rachael Island.	54° 12.8′ N 130° 33.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	32 **10**	5	White cylindrical tower.	
11696 *G 5805.8*	-South Rachel Island.	54° 11.8′ N 130° 33.4′ W	**Fl.R.** period 4s	26 **8**	4	White cylindrical tower, red top.	
11700 *G 5772.5*	Greentop Islet.	54° 10.6′ N 130° 24.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	43 **13**	7	White cylindrical tower.	
	CHATHAM SOUND:						
11704 *G 5772*	-Holland Rock.	54° 10.3′ N 130° 21.7′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	30 **9**	5	Square skeleton tower.	
11712 *G 5774*	-Porpoise Harbor.	54° 11.9′ N 130° 19.0′ W	**Fl.G.** period 4s	23 **7**	4	White cylindrical tower, green top.	
11716 *G 5776*	--Range, front, on Flora Bank, W. side of Lelu Island.	54° 12.0′ N 130° 18.0′ W	**F.Y.**	13 **4**	10	Mast, orange trapezoidal daymark, black stripe.	
11720 *G 5776.1*	---Rear, 81.2 meters 072°54′ from front.	54° 12.0′ N 130° 18.0′ W	**F.Y.**	26 **8**	10	Mast, orange trapezoidal daymark, black stripe.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11724 *G 5778*	--Porpoise Channel.	54° 12.1′ N 130° 18.3′ W	**Fl.R.** period 4s	24 **7**	4	White cylindrical tower, red top.	
11728 *G 5780*	---W.	54° 12.5′ N 130° 18.0′ W	**Q.G.**	15 **5**	3	Mast, green, white and black square daymark.	
11732 *G 5782*	---E.	54° 12.7′ N 130° 17.5′ W	**Q.R.**	23 **7**	3	Square skeleton tower, orange trapezoidal daymark, black stripe.	
11736 *G 5758.7*	-Gull Rocks.	54° 08.0′ N 130° 31.3′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	26 **8**	4	White square skeleton tower.	
11740 *G 5758.4*	Havelock Rock.	54° 05.9′ N 130° 29.0′ W	**Fl.W.** period 4s	24 **7**	6	White cylindrical tower.	
11744 *G 5758*	-Useless Point, Edye Passage.	54° 02.4′ N 130° 33.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	19 **6**	5	White cylindrical tower.	
	MALACCA PASSAGE:						
11747 *G 5771*	-Lawyer Islands N., on Cruice Rock.	54° 07.0′ N 130° 20.8′ W	**Q.W.**	25 **8**	3	White cylindrical tower, red top.	
11747.5 *G 5771.5*	--S.	54° 06.1′ N 130° 20.0′ W	**Fl.W.** period 4s	29 **9**	3	White cylindrical tower, red top.	
11752 *G 5768*	-Genn Island.	54° 05.9′ N 130° 17.6′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	30 **9**	4	White cylindrical tower, red top.	
11756 *G 5763*	De Horsey Island.	54° 17.4′ N 130° 26.6′ W	**Fl.W.** period 4s	19 **6**	5	White square skeleton tower, white rectangular slatwork daymark.	
11760 *G 5773*	Inverness Passage.	54° 11.9′ N 130° 15.8′ W	**Fl.W.** period 4s	12 **4**	3	Square skeleton tower.	
11764 *G 5764*	-Ecstall Island.	54° 09.7′ N 129° 57.5′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	17 **5**	5	White square skelton tower, white rectangular slatwork daymark.	
	ARTHUR PASSAGE:						
11768 *G 5762*	-Marked Tee Bluff.	54° 04.1′ N 130° 09.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	28 **8**	5	White square skeleton tower.	
11772 *G 5760*	-Herbert Reefs.	54° 01.4′ N 130° 14.3′ W	**Fl.(3)G.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	4	White cylindrical tower, green top.	
11773 *G 5761.6*	-Cecil Patch.	54° 03.8′ N 130° 16.7′ W	**Q.G.**	24 **7**	3	White cylindrical tower, green top, four-pile dolphin.	
11774 *G 5761.4*	North Hanmer Island.	54° 03.8′ N 130° 14.7′ W	**Q.W.**	19 **6**	4	White square skeleton tower.	
11776 *G 5761*	Hanmer Island.	54° 03.3′ N 130° 15.2′ W	**Fl.R.** period 4s	19 **6**	4	White cylindrical tower, red top.	
	GRENVILLE CHANNEL:						
11780 *G 5746*	-Watson Rock.	53° 55.4′ N 130° 10.4′ W	**Fl.W.** period 4s	12 **4**	5	White cylindrical tower.	
11784 *G 5745*	-Pitt Point.	53° 53.0′ N 130° 06.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	5	White square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11788 *G 5744.4*	-Baker Inlet.	53° 48.7′ N 129° 57.2′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	15 **5**	4	Square skeleton tower.	
11792 *G 5744*	-Pitt Island.	53° 42.3′ N 129° 49.1′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	12 **4**	5	White square skeleton tower.	
11796 *G 5743*	-Klewnuggit, Morning Reef, NW. rock.	53° 40.7′ N 129° 46.1′ W	**Q.W.**	16 **5**	4	White cylindrical tower.	
11800 *G 5742*	-Saunders Creek.	53° 36.2′ N 129° 41.6′ W	**Fl.W.** period 4s	16 **5**	5	White square skeleton tower.	
11804 *G 5741*	-Ormiston Point, on E. shore of Pitt Island, Grenville Channel.	53° 34.2′ N 129° 39.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	15 **5**	5	White cylindrical tower.	
11808 *G 5740.8*	Tom Island.	53° 32.6′ N 129° 36.3′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	11 **4**	5	White square skeleton tower.	
11812 *G 5740.5*	Harbour Rock, Stewart Narrows.	53° 23.3′ N 129° 16.6′ W	**Fl.G.** period 4s	11 **3**	4	Mast, green, black and white square daymark.	
11816 *G 5740.6*	-Sainty Point.	53° 22.3′ N 129° 18.8′ W	**Fl.W.** period 4s	15 **5**	7	White cylindrical tower.	
11818 *G 5747.38*	Plover Point.	53° 16.7′ N 129° 18.3′ W	**Fl.W.** period 4s	12 **4**	7	White square skeleton tower.	
11820 *G 5747.34*	Block Head, Farrant Island.	53° 18.1′ N 129° 20.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	20 **6**	5	White square skeleton tower.	
11822 *G 5747.39*	Fin Rock.	53° 14.0′ N 129° 21.6′ W	**Fl.(3)G.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 **6**	4	White square skeleton tower, green top.	
11824 *G 5747.3*	McCreigh Point, Pitt Island.	53° 12.5′ N 129° 30.1′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	25 **8**	5	White square skeleton tower.	
11825 *G 5747.32*	Blackrock Point.	53° 12.5′ N 129° 30.1′ W	**Fl.(3)R.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	22 **7**	4	White square skeleton tower, red top.	
11826 *G 5739.3*	Cape Farewell.	53° 21.5′ N 129° 13.6′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	7	White square skeleton tower.	
11828 *G 5739.4*	-Money Point.	53° 22.9′ N 129° 09.9′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 **6**	5	White square skeleton tower.	
11830 *G 5739.5*	Hartley Bay, breakwater.	53° 25.4′ N 129° 15.1′ W	**Q.R.**	24 **7**	3	White square skeleton tower, red and white triangular daymark point up.	
11832 *G 5739.6*	-Gertrude Point.	53° 38.0′ N 129° 14.0′ W	**Fl.W.** period 4s	16 **5**	4	White square skeleton tower.	
11836 *G 5739.66*	-Hawkesbury Island.	53° 37.1′ N 129° 10.8′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	16 **5**	5	White square skeleton tower.	
11840 *G 5739.7*	-Maitland Island.	53° 42.2′ N 129° 04.5′ W	**Fl.W.** period 4s	26 **8**	5	Square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11844 *G 5739.8*	-Emilia Island.	53° 45.5′ N 128° 58.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	16 **5**	5	Square skeleton tower.	Visible 231°-064°.
11848 *G 5740*	-Kersey Point.	53° 46.6′ N 128° 51.6′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19 **6**	5	White square skeleton tower.	
11852 *G 5740.1*	-Hilton Point.	53° 48.9′ N 128° 52.2′ W	**Fl.W.** period 4s	16 **5**	5	White square skeleton tower.	
11856 *G 5740.2*	-Clio Point.	53° 54.4′ N 128° 42.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	22 **7**	5	White square skeleton tower.	
	DEVASTATION CHANNEL:						
11860 *G 5739.2*	-Dorothy Island.	53° 40.0′ N 128° 51.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	5	White square skeleton tower.	
11864 *G 5738*	-Staniforth Point.	53° 34.2′ N 128° 48.9′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 **6**	5	White square skeleton tower, three white trapezoidal daymarks.	
	GARDNER CANAL:						
11868 *G 5738.2*	-Rix Island.	53° 31.5′ N 128° 44.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	15 **4**	5	White square skeleton tower.	
11872 *G 5738.4*	-Europa Point.	53° 25.8′ N 128° 32.6′ W	**Fl.W.** period 4s	12 **4**	5	Square skeleton tower.	
11876 *G 5738.6*	-Allen Point.	53° 27.0′ N 128° 24.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	15 **5**	5	White square skeleton tower.	
11880 *G 5739*	-Cornwall Point.	53° 30.0′ N 128° 22.0′ W	**Q.W.**	16 **5**	4	White cylindrical tower.	
11884 *G 5737.4*	Mary Point, Verney Passage.	53° 33.0′ N 128° 58.0′ W	**Q.W.**	20 **6**	5	White square skeleton tower, three white trapezoidal daymarks.	
11888 *G 5737.2*	Tomkinson Point.	53° 25.8′ N 128° 54.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	13 **4**	5	White square skeleton tower.	
11892 *G 5734*	Kingcome Point.	53° 17.9′ N 128° 54.5′ W	**Q.W.**	20 **6**	5	Square skeleton tower.	
11896 *G 5737*	Trivett Point.	53° 18.5′ N 129° 02.2′ W	**Fl.W.** period 4s	21 **6**	5	Square skeleton tower.	
11900 *G 5736.8*	Point Cumming.	53° 18.7′ N 129° 07.4′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	20 **6**	5	White square skeleton tower.	
	WHALE CHANNEL:						
11904 *G 5736.6*	-Borde Island, N. point.	53° 05.1′ N 129° 07.2′ W	**Fl.W.** period 4s	23 **7**	5	Square skeleton tower.	
11908 *G 5736.4*	-York Point, S. extremity of peninsula.	53° 05.5′ N 129° 10.4′ W	**Q.W.**	34 **10**	4	White square skeleton tower.	
11912 *G 5736.2*	-Levy Point.	53° 04.7′ N 129° 12.1′ W	**Fl.R.** period 6s	15 **5**	4	White square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
11916 *G 5736*	-Ashdown Island.	53° 03.7′ N 129° 13.7′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	28 **9**	5	White cylindrical tower.	
11918 *G 5735.8*	Logan Rock.	53° 02.2′ N 129° 28.6′ W	**Fl.W.** period 4s	42 **13**	5	White square skeleton tower.	
	CAAMANO SOUND:						
11920 *G 5735.2*	-Duckers Islands, S.	52° 55.6′ N 129° 11.6′ W	**Fl.W.** period 4s	27 **8**	5	White square skeleton tower.	
11924 *G 5735.4*	-Dupont Island.	52° 56.4′ N 129° 26.5′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	45 **14**	7	Square skeleton tower.	
11925 *G 5735.5*	--S.	52° 56.3′ N 129° 26.4′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	44 **13**	9	Square skeleton tower.	
11926 *G 5735.7*	-Alexander Island.	52° 57.3′ N 129° 18.5′ W	**Fl.W.** period 4s	37 **11**	9	Square skeleton tower.	
11928 *G 5735.6*	-Jacinto Island.	52° 56.5′ N 129° 36.9′ W	**Fl.W.** period 4s	92 **28**	7	White cylindrical tower.	
	-RACON		**Q(– – • –)**		**15**		(3 & 10cm).
	LAREDO CHANNEL:						
11932 *G 5735*	-Baker Point.	52° 48.2′ N 129° 12.8′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	19 **6**	5	White square skeleton tower.	
11940 *G 5734.8*	-Ramsbotham Island.	52° 41.9′ N 129° 02.1′ W	**Fl.W.** period 4s	21 **6**	5	White square skeleton tower.	
11944 *G 5734.7*	-Walsh Rock.	52° 38.2′ N 128° 57.2′ W	**Q.W.**	23 **7**	5	White cylindrical tower.	
11948 *G 5734.6*	-Haig Rock.	52° 36.4′ N 128° 55.3′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	25 **8**	5	White square skeleton tower.	
11952 *G 5734.4*	-Abrams Island.	52° 32.2′ N 128° 49.8′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	27 **8**	6	Square skeleton tower.	
11956 *G 5734.2*	-Lombard Point.	52° 28.8′ N 128° 56.6′ W	**Fl.W.** period 4s	47 **14**	5	White cylindrical tower.	
	GRAHAM REACH:						
11968 *G 5732*	-Work Island.	53° 10.7′ N 128° 41.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	15 **5**	5	White square skeleton tower.	
11972 *G 5730*	-Redcliffe Point.	53° 09.4′ N 128° 38.3′ W	**Fl.W.** period 4s	16 **5**	5	White square skeleton tower.	
11976 *G 5728*	-Griffin Point.	53° 03.9′ N 128° 33.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	20 **6**	5	White cylindrical tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
	TOLMIE CHANNEL:						
11980 *G 5727*	-Quarry Point.	52° 54.0′ N 128° 31.0′ W	**Fl.G.** period 6s fl. 0.5s, ec. 5.5s	23 **7**	4	Square skeleton tower.	
11984 *G 5724*	-Sarah Island, N. extremity of island.	52° 53.0′ N 128° 31.0′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 **7**	5	White square skeleton tower.	
11988 *G 5726*	-Hewitt Island.	52° 52.4′ N 128° 29.8′ W	**Fl.W.** period 4s	19 **6**	5	Square skeleton tower.	
11992 *G 5723*	-Tenas Island.	52° 42.5′ N 128° 33.1′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	27 **8**	5	Square skeleton tower.	
11996 *G 5722*	-Split Head, S. side of channel.	52° 40.6′ N 128° 32.8′ W	**Fl.W.** period 4s	28 **9**	5	Square skeleton tower.	
12000 *G 5720*	-Boat Bluff Sector.	52° 38.6′ N 128° 31.4′ W	**Oc.W.R.** period 5s lt. 4s, ec. 1s	38 **12**	7	Skeleton tower.	W. 291°-336°, R.-093°, W.-134°.
	MILBANKE SOUND:						
12004 *G 5725*	-Hiekish Narrows.	52° 50.0′ N 128° 27.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	10 **3**	5	Square skeleton tower.	
12008 *G 5719*	Legge Point, NW. end of Cone Island.	52° 36.0′ N 128° 31.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	11 **4**	5	Post.	
12012 *G 5718*	Freeman Point, S. end of Cone Island.	52° 33.2′ N 128° 29.3′ W	**Fl.W.** period 4s	19 **6**	5	White cylindrical tower.	
12016 *G 5716.4*	-Legace Point.	52° 27.8′ N 128° 25.2′ W	**Fl.W.** period 4s	30 **9**	5	Post.	
12020 *G 5716*	-Jorkins Point, Swindle Island.	52° 26.4′ N 128° 29.1′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	26 **8**	5	White square skeleton tower.	
12028 *G 5714*	-Susan Rock.	52° 17.2′ N 128° 30.3′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	55 **17**	5	White square skeleton tower.	
12032 *G 5713.7*	-Carne Rock, Reid Passage.	52° 18.1′ N 128° 21.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	13 **4**	5	Square skeleton tower.	
12036 *G 5712*	-Cape Mark.	52° 09.0′ N 128° 32.4′ W	**Fl.W.** period 4s	50 **15**	5	White square skeleton tower.	
12040 *G 5715*	-**McInnes Island.**	52° 15.7′ N 128° 43.3′ W	**Fl.W.** period 5s	97 **30**	**22**	White rectangular tower.	
12044 *G 5711*	Gosling Rocks, Currie Islet.	51° 51.1′ N 128° 27.4′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	56 **17**	5	White cylindrical tower.	
12048 *G 5709*	Spider Channel, N. end of Spider Island.	51° 51.8′ N 128° 15.5′ W	**Fl.W.** period 4s	57 **17**	5	Square skeleton tower.	
	SEAFORTH CHANNEL:						
12052 *G 5713*	**-Ivory Island.**	52° 16.2′ N 128° 24.4′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	67 **20**	**16**	Red skeleton tower.	
12056 *G 5713.4*	-Perrin Anchorage, E. of Ivory Island.	52° 16.5′ N 128° 23.5′ W	**Fl.W.** period 4s	13 **4**	5	Square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
12060 *G 5708*	-Idol Point.	52° 14.3′ N 128° 16.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	18 **6**	5	White cylindrical tower.	
12068 *G 5701*	Regatta Rocks.	52° 13.1′ N 128° 08.5′ W	**Fl.R.** period 4s	18 **6**	4	White cylindrical tower, red top.	
12072 *G 5700*	-Dryad Point Sector.	52° 11.1′ N 128° 06.7′ W	**Oc.W.R.** period 5s lt. 4s, ec. 1s	38 **12**	7	White square tower.	W. 142°30′-206°30′, R.-339°, W.-039°30′.
12076 *G 5699.6*	Blow Reef, near entrance, Gunboat Passage and Bella Bella.	52° 10.9′ N 128° 03.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	11 **4**	5	White square skeleton tower.	
12080 *G 5699.4*	Bark Island (Gunboat Passage).	52° 10.0′ N 128° 03.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	20 **6**	5	White square skeleton tower.	
	LAMA PASSAGE:						
12088 *G 5698.4*	-Story Point.	52° 08.9′ N 128° 08.1′ W	**Fl.W.** period 4s	16 **5**	5	White square skeleton tower.	
12092 *G 5698*	-Napier Point.	52° 07.9′ N 128° 08.0′ W	**Q.W.**	18 **5**	4	White square skeleton tower.	
12096 *G 5696*	-Walker Island.	52° 06.0′ N 128° 07.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	26 **8**	5	White cylindrical tower.	
12100 *G 5695*	Harbormaster Point.	52° 03.9′ N 128° 03.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	5	White square skeleton tower.	
12104 *G 5693*	-White Point.	52° 04.5′ N 127° 58.0′ W	**Fl.R.** period 6s fl. 0.5s, ec. 5.5s	28 **9**	4	White square skeleton tower, red top.	
12108 *G 5694*	-Serpent Point.	52° 04.6′ N 127° 59.7′ W	**Q.W.**	19 **6**	4	White square skeleton tower.	
	RETURN CHANNEL:						
12112 *G 5707*	-Hyndman Reefs, on reef.	52° 15.7′ N 128° 14.6′ W	**Fl.G.** period 4s	15 **4**	4	Post, green, white and black square daymarks.	
12116 *G 5706*	-Glaholm Island, off NW. end of Dearth Island.	52° 15.8′ N 128° 12.7′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	5	White square skeleton tower.	
12120 *G 5704*	-Law Island, N. end.	52° 16.1′ N 128° 10.3′ W	**Fl.W.** period 4s	16 **5**	5	White square skeleton tower.	
12124 *G 5702*	-Donald Point.	52° 17.6′ N 128° 05.9′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	17 **5**	5	White square skeleton tower.	
	JOHNSON CHANNEL:						
12128 *G 5690*	-Beaumont Island.	52° 17.7′ N 127° 56.6′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	21 **6**	6	Square skeleton tower.	
	COUSINS INLET:						
12132 *G 5684*	-Wearing Point.	52° 18.0′ N 127° 45.7′ W	**Fl.W.** period 4s	14 **4**	5	Square skeleton tower.	
12136 *G 5685*	-Cousins Inlet.	52° 19.6′ N 127° 45.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	5	Square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
12140 *G 5686*	-Coolidge Point, Cousins Inlet.	52° 21.0′ N 127° 43.0′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	17 **5**	5	White cylindrical tower.	
	BURKE CHANNEL:						
12144 *G 5689.5*	-Deas Point.	52° 23.1′ N 127° 13.0′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	19 **6**	5	Square skeleton tower.	
12148 *G 5688*	-Edward Point.	52° 26.4′ N 127° 16.4′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	26 **8**	5	Square skeleton tower.	
12152 *G 5689*	-Sutlej Point.	52° 22.6′ N 126° 48.3′ W	**Fl.W.** period 4s	19 **6**	5	White square skeleton tower.	
12156 *G 5688.5*	-Flagpole Point.	52° 20.9′ N 126° 55.7′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19 **6**	5	Square skeleton tower.	
12158 *G 5677*	Haaksvold Point.	51° 57.9′ N 127° 42.7′ W	**Q.W.**	17 **5**	4	Square skeleton tower.	
	FISHER CHANNEL:						
12160 *G 5682*	-Sunny Island, on rock, S. of island.	52° 11.3′ N 127° 52.2′ W	**Fl.W.** period 4s	23 **7**	5	White square skeleton tower.	
12164 *G 5681*	-Farewell Point.	52° 07.6′ N 127° 53.4′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	14 **4**	5	White square skeleton tower.	
12168 *G 5680*	-Pointer Island.	52° 03.6′ N 127° 56.9′ W	**Oc.W.** period 6s lt. 4s, ec. 2s	42 **13**	8	White cylindrical tower.	
12172 *G 5678*	-Fog Rocks.	51° 58.3′ N 127° 55.1′ W	**Fl.W.** period 4s	24 **7**	9	White square skeleton tower.	
	FITZ HUGH SOUND:						
12176 *G 5676*	-Kiwash Island.	51° 51.6′ N 127° 53.6′ W	**Fl.W.** period 4s	19 **6**	5	Square skeleton tower.	
12180 *G 5675*	-Odlum Point, Hakai Passage, W. side.	51° 41.6′ N 128° 07.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	71 **22**	5	White square skeleton tower.	
12184 *G 5674*	-Kelpie Point.	51° 44.0′ N 127° 59.8′ W	**Fl.W.** period 4s	26 **8**	5	Square skeleton tower.	
12188 *G 5673*	-Kwakume Point.	51° 41.6′ N 127° 53.4′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	5	White square skeleton tower.	
12192 *G 5672*	**-Addenbroke Island.**	51° 36.2′ N 127° 51.8′ W	**Fl.W.** period 5s	79 **24**	**15**	White cylindrical tower.	
12196 *G 5670*	-Penrose Island.	51° 30.6′ N 127° 44.0′ W	**Fl.W.** period 6s	24 **7**	5	Square skeleton tower.	
12200 *G 5669*	-Clark Point, on point, Calvert Island.	51° 25.8′ N 127° 53.2′ W	**Q.W.**	36 **11**	4	White cylindrical tower.	
12204 *G 5668*	-Major Brown Rock, entrance to Rivers Inlet.	51° 25.5′ N 127° 42.0′ W	**Fl.W.** period 6s	44 **13**	5	Square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			CANADA				
	QUEEN CHARLOTTE SOUND:						
12208 *G 5664*	-Dugout Rocks.	51° 22.0′ N 127° 48.5′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	68 **21**	6	Square skeleton tower.	
12212 *G 5662*	-Watcher Island, W. point.	51° 16.3′ N 127° 43.1′ W	**Fl.W.** period 4s	38 **12**	5	Square skeleton tower.	
12216 *G 5658*	**-Egg Island.**	51° 14.9′ N 127° 50.0′ W	**Fl.W.** period 5s fl. 1s, ec. 4s	290 **88**	**16**	Skeleton tower; 85.	Emergency light.
12220 *G 5656*	-Cape Caution.	51° 09.8′ N 127° 47.2′ W	**Fl.W.** period 6s fl. 0.5s, ec. 5.5s	70 **21**	6	Square skeleton tower.	
	QUEEN CHARLOTTE STRAIT:						
	-Goletas Channel:						
12228 *G 5642*	--Nahwitti Point.	50° 54.3′ N 127° 59.1′ W	**Fl.W.** period 4s	46 **14**	9	White cylindrical tower.	**Radar reflector.**
12232 *G 5641*	--Godkin Point.	50° 53.7′ N 127° 55.8′ W	**Fl.R.** period 4s	46 **14**	9	White square skeleton tower, red top.	
12236 *G 5641.2*	--Bull Harbor entrance.	50° 54.7′ N 127° 55.8′ W	**Fl.W.** period 4s	13 **4**	5	Nine-pile dolphin.	
12244 *G 5640*	-Dillon Rock.	50° 51.4′ N 127° 51.5′ W	**Q.G.**	21 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
12248 *G 5636*	--Noble Islets.	50° 49.3′ N 127° 35.6′ W	**Q.R.**	34 **10**	4	White cylindrical tower, red top.	**Radar reflector.**
12252 *G 5649*	**-Pine Island.**	50° 58.5′ N 127° 43.7′ W	**Fl.R.** period 10s fl. 0.2s, ec. 9.8s	93 **28**	**16**	White cylindrical tower.	
	-RACON		**M(– –)**		**15**		(3 & 10cm).
12256 *G 5655*	-McEwan Rock.	51° 03.5′ N 127° 37.9′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	41 **13**	6	Mast.	
12260 *G 5654*	-Harris Island.	51° 00.0′ N 127° 33.8′ W	**Fl.W.** period 4s	45 **14**	6	White mast.	
12264 *G 5650*	-Cholberg Point.	50° 55.0′ N 127° 44.2′ W	**Q.W.**	34 **10**	6	White square skeleton tower, white rectangular daymark.	
12268 *G 5648*	**-Scarlett Point.**	50° 51.6′ N 127° 36.7′ W	**Fl.W.** period 5s fl. 0.2s, ec. 4.8s	78 **24**	**15**	White cylindrical tower.	
12272 *G 5652*	-Jeannette Islands.	50° 55.3′ N 127° 24.8′ W	**Fl.W.** period 4s	31 **10**	7	White cylindrical tower, red top.	**Radar reflector.**
12276 *G 5647.4*	-Tribune Rock.	50° 51.5′ N 127° 34.0′ W	**Fl.G.** period 4s	22 **7**		White cylindrical tower, green top.	**Radar reflector.**

Section 13

British Columbia
Queen Charlotte Strait to Washington

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12280 *G 5647*	-Crane Islands.	50° 50.5′ N 127° 31.4′ W	**Fl.W.** period 4s	47 **14**	7	White cylindrical tower, green top.	
12284 *G 5633*	-Doyle Island.	50° 48.3′ N 127° 27.6′ W	**Fl.W.** period 4s	46 **14**	9	White cylindrical tower, green top.	**Radar reflector.**
12288 *G 5632*	-Masterman Islands.	50° 45.5′ N 127° 25.4′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	33 **10**	7	White cylindrical tower, green top.	**Radar reflector.**
12292 *G 5634*	-Hardy Bay.	50° 43.8′ N 127° 29.0′ W	**Fl.R.** period 4s	27 **8**	8	White cylindrical tower, red top.	
12296 *G 5635*	--Hardy Bay Inner, SE. of wharf.	50° 43.1′ N 127° 29.0′ W	**Q.R.**	18 **6**	3	White cylindrical tower, red top.	
12296.5 *G 5635.2*	--Hardy Bay Inner No 2.	50° 43.0′ N 127° 28.9′ W	**Q.G.**	16 **5**	3	White cylindrical tower, green top.	
12297 *G 5635.4*	--Boat Basin, N.	50° 42.9′ N 127° 29.3′ W	**Fl.R.** period 4s	11 **3**	4	White mast.	
12297.5 *G 5635.41*	---S.	50° 42.8′ N 127° 29.3′ W	**Fl.G.** period 4s	15 **5**	4	White mast.	
12298	--Aviation Light.	50° 42.8′ N 127° 29.3′ W	**Fl.W.** period 2.5s				Activated by the Flight Services Station for aircraft landings and take-offs. Occasional. Private light.
12300 *G 5631*	-Round Island.	50° 43.6′ N 127° 21.9′ W	**Fl.W.** period 4s	39 **12**	6	White cylindrical tower.	**Radar reflector.**
12302 *G 5629.6*	Numas Island.	50° 45.9′ N 127° 04.3′ W	**Fl.W.** period 4s	21 **6**	8	White cylindrical tower.	
12304 *G 5629.2*	James Point.	50° 50.3′ N 126° 58.7′ W	**Fl.W.** period 4s	30 **9**	6	White cylindrical tower.	**Radar reflector.**
12308 *G 5629.4*	Surgeon Islets.	50° 53.5′ N 126° 52.3′ W	**Fl.R.** period 4s	21 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
12312 *G 5629*	Duff Islet.	50° 45.4′ N 126° 43.4′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	29 **9**	5	White cylindrical tower.	**Radar reflector.**
12316 *G 5628.7*	Lizard Point.	50° 40.3′ N 126° 53.7′ W	**Fl.W.** period 4s	18 **6**	7	White cylindrical tower, green top.	**Radar reflector.**
12320 *G 5628.6*	Wedge Island.	50° 38.1′ N 126° 43.3′ W	**Q.W.**	34 **10**	6	White cylindrical tower.	**Radar reflector.**
12324 *G 5628.8*	-Bamber Point, Viscount Island.	50° 41.7′ N 126° 14.1′ W	**Fl.W.** period 4s	22 **7**	6	White cylindrical tower, red top.	**Radar reflector.**
	BROUGHTON STRAIT:						
12328 *G 5628*	-Pulteney Point.	50° 37.8′ N 127° 09.3′ W	**Fl.R.** period 10s fl. 0.2s, ec. 9.8s	40 **12**	14	White square tower.	**Horn (2):** 3 bl. ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 48s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12334 *G 5625.7*	-Port McNeill, breakwater.	50° 35.6′ N 127° 05.3′ W	**Fl.W.** period 4s	16 **5**	5	Mast.	
12340 *G 5625*	Haddington Island.	50° 36.3′ N 127° 01.3′ W	**Q.G.**	26 **8**	5	White cylindrical tower, green top.	
12344 *G 5624.6*	-S. side.	50° 35.9′ N 127° 01.5′ W	**Q.W.**	15 **5**	6	White cylindrical tower.	
12348 *G 5624*	Haddington Reefs Pier.	50° 36.5′ N 127° 00.6′ W	**Iso.R.** period 2s	30 **9**	5	White cylindrical tower, red top.	**Radar reflector.**
12356 *G 5625.4*	Broad Point, W.	50° 35.0′ N 127° 01.4′ W	**Dir.W.R.G.**	21 **6**	9	White cylindrical tower.	F.G. 155°-158°30′, F.W.-163°, F.R.-166°30′. **Radar reflector.**
12360 *G 5622*	-Nimpkish Bank.	50° 34.7′ N 126° 56.9′ W	**Q.W.**	21 **6**	6	White mast, black, white, and green square daymark, six-pile dolphin.	
12364 *G 5623*	-Yellow Bluff.	50° 35.2′ N 126° 57.1′ W	**Fl.W.R.** period 4s	28 **8**	5	White cylindrical tower, red top.	R. 289°-302°, W.-289°. **Radar reflector.**
12368 *G 5615*	-Lewis Point.	50° 33.1′ N 126° 51.3′ W	**Fl.G.** period 4s	27 **8**	4	White cylindrical tower, green top.	**Radar reflector.**
	JOHNSTONE STRAIT:						
12372 *G 5614*	-Blinkhorn Peninsula.	50° 32.6′ N 126° 47.0′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	31 **10**	7	White cylindrical tower, green top.	**Radar reflector.**
12376 *G 5613.5*	-Hanson Island, E. side.	50° 34.0′ N 126° 41.6′ W	**Q.W.R.**	18 **6**	4	White mast.	R. 127°-160°, W.-345°.
12380 *G 5613.6*	-Parson Island.	50° 34.5′ N 126° 41.0′ W	**Fl.W.** period 4s	20 **6**	7	White cylindrical tower.	**Radar reflector.**
12384 *G 5613.4*	-Cracroft Point.	50° 33.0′ N 126° 40.7′ W	**Fl.R.** period 4s	23 **7**	4	White cylindrical tower.	**Radar reflector.**
12388 *G 5613*	-Boat Bay.	50° 31.2′ N 126° 34.7′ W	**Q.W.**	35 **11**		White cylindrical tower, red top.	**Radar reflector.**
12392 *G 5612*	-Broken Islands.	50° 30.7′ N 126° 17.9′ W	**Fl.W.** period 4s	23 **7**	7	White cylindrical tower.	**Radar reflector.**
12396 *G 5615.4*	-Havannah Islets.	50° 32.2′ N 126° 15.0′ W	**Q.G.**	23 **7**	4	White cylindrical tower, green top.	**Radar reflector.**
12400 *G 5616*	-Ray Point Range, front.	50° 34.8′ N 126° 12.0′ W	**F.Y.**	26 **8**	5	Square skeleton tower, red trapezoidal daymark, white stripe.	
12404 *G 5616.1*	--Rear, 23 meters 087°48′ from front.	50° 34.8′ N 126° 12.0′ W	**F.Y.**	39 **12**	6	Square skeleton tower, red trapezoidal daymark, white stripe.	
12408 *G 5617*	-East Cracroft Island Range, front.	50° 34.8′ N 126° 14.5′ W	**F.Y.**	20 **6**	5	Square skeleton tower, red trapezoidal daymark, white stripe.	
12412 *G 5617.1*	--Rear, 27 meters 270°55′ from front.	50° 34.8′ N 126° 14.5′ W	**F.Y.**	46 **14**	6	Square skeleton tower, red trapezoidal daymark, white stripe.	
12420 *G 5610*	-Hickey Point.	50° 27.0′ N 126° 05.2′ W	**Fl.W.** period 4s	29 **9**	8	Square skeleton tower.	
12424 *G 5608*	-Tuna Point.	50° 28.5′ N 126° 00.1′ W	**Fl.R.** period 4s	31 **9**	4	White cylindrical tower, red top.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12428 *G 5606.6*	-Fanny Island.	50° 27.2′ N 125° 59.6′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 **6**	9	Triangular skeleton tower.	
12432 *G 5605*	-Earl Ledge.	50° 24.7′ N 125° 55.2′ W	**Fl.R.** period 4s	17 **5**	5	Square skeleton tower, red and white rectangular daymark.	
12436 *G 5604*	-Peterson Islet.	50° 23.4′ N 125° 54.8′ W	**Fl.G.** period 4s	20 **6**	5	White cylindrical tower, green upper portion.	
12440 *G 5603*	-Helmcken Island, S. side.	50° 23.7′ N 125° 52.3′ W	**Q.W.R.**	36 **11**	5	White cylindrical tower, red top.	R. 274°-281°20′, W.-114°10′, R.-122°20′.
12444 *G 5574.4*	-Pryce Channel.	50° 18.4′ N 124° 49.8′ W	**Fl.G.** period 4s	23 **7**	5	White cylindrical tower, green top.	**Radar reflector.**
12448 *G 5573.8*	-Waddington Channel.	50° 08.4′ N 124° 53.7′ W	**Fl.G.** period 4s	23 **7**	4	White cylindrical tower, green top.	**Radar reflector.**
12452 *G 5574.2*	-Dean Point.	50° 17.1′ N 124° 47.2′ W	**Q.G.**	20 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
12456 *G 5601*	-Helmcken Island.	50° 23.9′ N 125° 51.4′ W	**F.W.R.G.**	15 **5**	6	White cylindrical tower.	R. 284°-293°, W.-296°30′, G.-302°.
12460 *G 5603.4*	---N. side.	50° 24.4′ N 125° 52.6′ W	**Q.G.**	23 **7**	4	White cylindrical tower, green top.	**Radar reflector.**
12464 *G 5600*	-Camp Point.	50° 23.1′ N 125° 49.6′ W	**Q.G.**	18 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
12468 *G 5599*	-Race Passage, E.	50° 22.9′ N 125° 48.8′ W	**Fl.G.** period 4s	17 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
	-Sunderland Channel:						
12472 *G 5606.4*	--Seymour Island, S. side.	50° 28.7′ N 125° 52.1′ W	**Fl.W.** period 4s	18 **6**	5	White mast.	
12476 *G 5606*	-Carterer Point.	50° 27.5′ N 125° 45.8′ W	**Q.W.**	18 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
12480 *G 5600.4*	Current Passage.	50° 24.6′ N 125° 48.6′ W	**Dir.W.R.G.**	16 **5**	6	White cylindrical tower.	F.R. 326°-330°, F.W.-336°, F.G.- 340°.
12484 *G 5598.4*	Tyee Point.	50° 23.1′ N 125° 47.0′ W	**Q.R.**	26 **8**	4	White cylindrical tower, red top.	**Radar reflector.**
12488 *G 5598*	-Vansittart Point.	50° 22.6′ N 125° 44.6′ W	**Fl.R.** period 4s	32 **10**	4	White cylindrical tower, red top.	**Radar reflector.**
12490 *G 5595.5*	Bear Point.	50° 21.9′ N 125° 40.3′ W	**Fl.W.** period 4s	19 **6**	8	White cylindrical tower.	**Radar reflector.**
12492 *G 5596*	-Ripple Point.	50° 22.1′ N 125° 34.8′ W	**Fl.W.** period 4s	20 **6**	6	White cylindrical tower, green top.	**Radar reflector.**
12496 *G 5595*	-Walkem Island.	50° 21.5′ N 125° 31.5′ W	**Fl.R.** period 4s	18 **6**		White cylindrical tower, red top.	**Radar reflector.**
12500 *G 5594*	-Rock Point.	50° 20.5′ N 125° 30.1′ W	**Q.G.**	19 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
12504 *G 5593*	Turn Island.	50° 20.7′ N 125° 27.9′ W	**Q.R.**	39 **12**	4	Mast, red and white triangular daymark point up.	
	DISCOVERY PASSAGE:						
12508 *G 5590*	-Chatham Point.	50° 20.0′ N 125° 26.4′ W	**Fl.G.** period 5s fl. 1.5s, ec. 3.5s	21 **6**	8	White cylindrical tower, green top.	**Horn:** 1 bl. ev. 20s (bl. 2s, si. 18s).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12512 *G 5589*	-Cinque Island.	50° 17.7′ N 125° 24.1′ W	**Fl.R.** period 4s	20 **6**	5	White mast, red and white triangular daymark point up.	
12516 *G 5588*	-McMullen Point.	50° 14.7′ N 125° 23.8′ W	**Fl.W.** period 4s	30 **9**	7	White cylindrical tower, green top.	**Radar reflector.**
12518 *G 5587.5*	-Separation Head.	50° 10.7′ N 125° 21.3′ W	**Fl.R.** period 4s	21 **7**	4	White cylindrical tower, red top.	**Radar reflector.**
12520 *G 5586*	-Maud Island.	50° 07.8′ N 125° 20.9′ W	**Q.R.**	28 **9**		White cylindrical tower, red top.	**Radar reflector.**
12522 *G 5586.2*	-Maud Island South.	50° 07.7′ N 125° 20.5′ W	**Fl.R.** period 4s	22 **7**	5	White cylindrical tower, red top.	**Radar reflector.**
12524 *G 5587*	-Wilfred Point.	50° 07.8′ N 125° 21.5′ W	**Q.G.**	22 **7**	4	White cylindrical tower, green top.	**Radar reflector.**
12526 *G 5587.3*	Brown Bay.	50° 10.0′ N 125° 22.1′ W	**Fl.G.** period 4s	24 **7**	5	White cylindrical tower, green top.	**Radar reflector.**
12528 *G 5584*	-Race Point.	50° 06.8′ N 125° 19.5′ W	**Q.G.**	77 **24**	4	White cylindrical tower, green top.	
12536 *G 5583.5*	-Steep Island.	50° 04.7′ N 125° 15.2′ W	**Q.W.**	22 **7**	6	White cylindrical tower, red top.	**Radar reflector.**
12540 *G 5582.6*	-Quathiaski Cove.	50° 02.7′ N 125° 13.3′ W	**Fl.G.** period 4s	20 **6**	5	White cylindrical tower, green top.	
12544 *G 5582.8*	-Tyee Spit Range, front.	50° 02.9′ N 125° 15.6′ W	**Q.Y.**	15 **5**	9	Three-pile dolphin, white trapezoidal daymark, red stripe.	
12548 *G 5582.81*	--Rear, 50.9 meters 205°42′ from front.	50° 02.8′ N 125° 15.7′ W	**Q.Y.**	23 **7**	9	Three-pile dolphin, white trapezoidal daymark, red stripe.	
12551 *G 5583*	--S. breakwater.	50° 02.1′ N 125° 14.6′ W	**Q.G.**	23 **7**	4	Mast, black, white and green square daymark.	
12552 *G 5582*	-Campbell River, breakwater.	50° 01.5′ N 125° 14.3′ W	**Fl.G.** period 4s	17 **5**	4	Mast.	
12556 *G 5582.2*	--N. breakwater.	50° 01.7′ N 125° 14.4′ W	**Fl.W.** period 4s	18 **6**	4	Three-pile dolphin, black, white and green square daymark.	
12558 *G 5582.4*	-Campbell River, Ferry Terminal, Dolphin No 2.	50° 01.7′ N 125° 14.3′ W	**Q.Y.**	19 **6**	5	Square mast, red triangular daymark point up, four-pile dolphin.	
	CORDERO CHANNEL:						
12560 *G 5580*	-Cape Mudge.	49° 59.9′ N 125° 11.7′ W	**Fl.W.R.** period 5s	58 **18**	13	White octagonal tower.	W. 316°-134°, R.-149°, W.-151°. **Horn:** 1 bl. ev. 30s (bl. 3s, si. 27s).
12564 *G 5578.4*	-Lyall Island.	50° 26.7′ N 125° 35.7′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	22 **7**	5	White cylindrical tower.	**Radar reflector.**
12568 *G 5578*	-Griffiths Islet.	50° 26.5′ N 125° 30.4′ W	**Q.R.**	22 **7**	3	White cylindrical tower, red top.	**Radar reflector.**
12572 *G 5577.4*	-Lorte Island.	50° 26.7′ N 125° 27.3′ W	**Fl.W.** period 4s	17 **5**	5	White cylindrical tower, red top.	**Radar reflector.**
12576 *G 5577*	-Little Dent Island, W. extremity.	50° 24.5′ N 125° 12.6′ W	**Q.R.**	24 **7**	4	White cylindrical tower, red top.	
12580 *G 5576*	-Gillard Island.	50° 23.5′ N 125° 09.3′ W	**Q.G.**	20 **6**	4	White cylindrical tower, green top.	
12584 *G 5575*	Harbott Point.	50° 21.7′ N 125° 08.2′ W	**Fl.R.** period 4s		4	White cylindrical tower, red top.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12588 *G 5574.8*	Maurelle Island, Hole in the Wall, W. entrance.	50° 18.0′ N 125° 12.5′ W	**Q.R.**	23 **7**	3	White cylindrical tower, red top.	
	LEWIS CHANNEL:						
12592 *G 5574*	-Redonda Island.	50° 14.6′ N 124° 58.7′ W	**Fl.W.** period 4s	22 **7**	6	White cylindrical tower, red top.	**Radar reflector.**
12596 *G 5572.8*	-Junction Point.	50° 13.9′ N 124° 49.3′ W	**Fl.G.** period 4s	29 **9**	5	White cylindrical tower, green top.	**Radar reflector.**
12600 *G 5573*	-Refuge Cove.	50° 06.9′ N 124° 51.0′ W	**Fl.R.** period 4s	21 **6**	4	White cylindrical tower, red top.	
12604 *G 5568.6*	Thulin Passage.	50° 01.8′ N 124° 49.6′ W	**Fl.G.** period 4s	30 **9**	4	White cylindrical tower, green top.	**Radar reflector.**
12608 *G 5569*	Spilsbury Point.	50° 00.2′ N 124° 56.7′ W	**Q.W.**	20 **6**	6	White cylindrical tower.	**Radar reflector.**
12612 *G 5568*	Lund.	49° 59.7′ N 124° 47.7′ W	**Fl.W.** period 4s	21 **6**	6	White cylindrical tower.	**Radar reflector.**
12616 *G 5568.4*	Major Islet.	49° 59.3′ N 124° 49.0′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	102 **31**	6	White cylindrical tower, red top.	**Radar reflector.**
12620 *G 5567*	Savary Island wharf.	49° 56.8′ N 124° 46.8′ W	**Fl.W.** period 4s	21 **6**	5	Building.	
	SUTIL CHANNEL:						
12632 *G 5570*	-Channel Rock.	50° 05.6′ N 125° 02.3′ W	**Q.R.**	19 **6**	3	White cylindrical tower, red top.	**Radar reflector.**
12636 *G 5572*	-Whaletown Bay.	50° 06.4′ N 125° 03.5′ W	**Fl.G.** period 4s	17 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
12640 *G 5579*	-Drew Harbor.	50° 06.5′ N 125° 11.7′ W	**Fl.G.** period 4s	18 **6**	5	White cylindrical tower, green top.	**Radar reflector.**
12644 *G 5574.6*	-Whiterock Passage.	50° 14.6′ N 125° 06.7′ W	**Q.W.**	17 **5**	4	White cylindrical tower.	
12652 *G 5571*	Cortes Bay.	50° 03.8′ N 124° 55.5′ W	**Q.R.**	20 **6**	3	White cylindrical tower, red top.	
12660 *G 5566*	Kuhushan Point.	49° 53.3′ N 125° 07.4′ W	**Fl.(2)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	58 **18**	12	White square skeleton tower.	
12664 *G 5549*	AVIATION LIGHT.	49° 42.7′ N 124° 53.6′ W	**Fl.W.** period 10s				
12672 *G 5554*	Rebecca Rock.	49° 48.8′ N 124° 39.5′ W	**Iso.W.** period 2s	30 **9**	10	White cylindrical tower.	**Radar reflector.**
12676 *G 5552*	Cyril Rock.	49° 48.4′ N 124° 36.4′ W	**Q.G.**	24 **7**	4	White cylindrical tower, green top.	
12678 *G 5562*	Powell River Range, front.	49° 52.3′ N 124° 33.5′ W	**F.Y.**				
12678.1 *G 5562.1*	-Rear, 510 feet 032°30′ from front.	49° 52.3′ N 124° 33.5′ W	**F.Y.**				
12680 *G 5564.2*	-Powell River floating breakwater entrance, N.	49° 51.7′ N 124° 33.2′ W	**Fl.G.** period 4s			Floating breakwater.	Private light.
12684 *G 5564*	--Floating breakwater, entrance, S.	49° 51.6′ N 124° 33.2′ W	**Fl.R.** period 4s	23 **7**		Floating breakwater.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12692 *G 5551.4*	-North Rock.	49° 50.4′ N 124° 31.9′ W	**Fl.W.** period 4s	20 **6**	5	Mast.	Private light.
12696 *G 5550*	Grief Point.	49° 48.3′ N 124° 31.5′ W	**Fl.(2)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	35 **11**	8	White cylindrical tower, red top.	**Radar reflector.**
12700 *G 5551*	-E.	49° 48.0′ N 124° 31.1′ W	**Fl.R.** period 4s	14 **4**	4	White mast.	
12704 *G 5521*	Northeast Point.	49° 42.5′ N 124° 21.4′ W	**Fl.W.** period 4s	31 **9**	8	White cylindrical tower, green top.	
	JERVIS INLET:						
12708 *G 5522.5*	-Ahlstrom Point.	49° 46.8′ N 124° 08.6′ W	**Fl.G.** period 4s	21 **6**	5	White cylindrical tower, green top.	**Radar reflector.**
12712 *G 5523*	-Captain Island.	49° 47.4′ N 123° 59.7′ W	**Fl.W.** period 4s	27 **8**	5	White cylindrical tower.	**Radar reflector.**
12716 *G 5523.8*	Malibu Rapids.	50° 09.7′ N 123° 51.2′ W	**Q.G.**	18 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
12720 *G 5524*	-Skookumchuck Narrows.	49° 45.6′ N 123° 56.1′ W	**Fl.G.** period 4s	20 **6**	4	White cylindrical tower, green top.	
12724 *G 5524.6*	-Skookum Island.	49° 43.5′ N 123° 52.8′ W	**Fl.W.** period 4s	23 **7**	6	White cylindrical tower.	
12728 *G 5524.3*	-Sechelt Islets.	49° 44.4′ N 123° 53.9′ W	**Q.G.**	23 **7**	3	White cylindrical tower, green top.	**Radar reflector.**
12732 *G 5525*	-Kunechin Islets.	49° 37.2′ N 123° 48.3′ W	**Fl.(2)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 **6**	5	White mast.	
12736 *G 5523.5*	-Agnew Passage.	49° 46.5′ N 123° 59.4′ W	**Q.G.**	25 **8**	4	White cylindrical tower, green top.	**Radar reflector.**
12738 *G 5523.6*	-Earls Cove.	49° 45.2′ N 124° 00.6′ W	**F.G.**			Ferry terminal on gantry.	**Horn:** 1 bl. ev. 30s (bl. 2s, si. 28s). Operates for ferry movements only. **Radar reflector.**
12740 *G 5519*	Cape Cockburn.	49° 40.2′ N 124° 12.2′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	50 **15**	7	White cylindrical tower, red top.	**Radar reflector.**
12742 *G 5522*	-Saltery Bay.	49° 46.8′ N 124° 10.6′ W	**F.G.**			Dolphin.	**Horn:** 1 bl. ev. 20s (bl. 3s, si. 17s).
12744 *G 5517*	Nelson Rock.	49° 38.6′ N 124° 07.2′ W	**Fl.W.** period 4s	23 **7**	6	White cylindrical tower.	**Radar reflector.**
12748 *G 5516*	Pender Harbor.	49° 37.8′ N 124° 03.6′ W	**Q.R.**	15 **5**	3	White cylindrical tower, red top.	**Radar reflector.**
12752 *G 5514*	Francis Point.	49° 36.2′ N 124° 03.5′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	34 **10**	6	White cylindrical tower.	
12756 *G 5513.5*	Secret Cove Entrance.	49° 31.7′ N 123° 58.0′ W	**Q.R.**	18 **6**	3	Mast, red and white triangular daymark point up.	
12760 *G 5513*	Espom Point.	49° 30.2′ N 124° 01.2′ W	**Fl.W.** period 4s	23 **7**	7	Mast, three-pile dolphin.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
	WELCOME PASSAGE:						
12768 *G 5512*	-Wilbraham Point.	49° 30.7′ N 123° 58.2′ W	**Fl.R.** period 4s	35 **11**	5	White cylindrical tower, red top.	**Radar reflector.**
12772 *G 5511*	-Reception Point.	49° 28.3′ N 123° 53.3′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 **7**	7	White cylindrical tower, red top.	**Radar reflector.**
12776 *G 5510*	**-Merry Island.**	49° 28.1′ N 123° 54.7′ W	**Fl.W.** period 15s fl. 0.4s, ec. 14.6s	60 **18**	**17**	White square tower.	
12780 *G 5526*	Point Upwood.	49° 29.3′ N 124° 08.5′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	36 **11**	7	White cylindrical tower, red top.	**Radar reflector.**
12784 *G 5526.4*	Texada Island.	49° 31.7′ N 124° 13.6′ W	**Fl.R.** period 4s	33 **10**	5	White cylindrical tower, red top.	**Radar reflector.**
	BAYNES SOUND:						
12792 *G 5544*	-Goose Spit, W. end.	49° 39.6′ N 124° 55.5′ W	**Q.R.**	20 **6**	4	White cylindrical tower, red top.	2 F.G. 2M shown in Courtney River. **Radar reflector.**
12796 *G 5546.5*	-Courtenay River.	49° 40.0′ N 124° 57.0′ W	**Fl.W.** period 4s	16 **5**	5	Black, white and green square daymark, seven-pile dolphin.	
12798 *G 5547*	-Courtenay River Range, front, on river bank.	49° 40.6′ N 124° 57.5′ W	**Q.Y.**	13 **4**	9	Pile dolphin, red trapezoidal daymark, white stripe.	
12799 *G 5547.1*	--Rear, 66.2 meters 320°04′ from front.	49° 40.7′ N 124° 57.6′ W	**Q.Y.**	25 **8**	9	Three-pile dolphin, red trapezoidal daymark, white stripe.	
12800 *G 5545*	-Comox Harbor, breakwater, head.	49° 40.2′ N 124° 55.8′ W	**Fl.R.** period 4s	12 **4**	4	Mast.	
12802 *G 5545.3*	-Comox Harbor, E. breakwater.	49° 40.1′ N 124° 55.5′ W	**Fl.G.** period 4s	11 **3**	4	Mast.	
12804 *G 5542*	**-Comox Bar** Range, front.	49° 37.4′ N 124° 54.5′ W	**Iso.Y.** period 1.5s	37 **11**	**15**	Square skeleton tower, white trapezoidal daymark, red stripe.	
12808 *G 5542.1*	--Rear, 284 meters 222°10′ from front.	49° 37.2′ N 124° 54.7′ W	**Iso.Y.** period 2s	76 **23**	**15**	Square skeleton tower, white trapezoidal daymark, red stripe.	
12812 *G 5538*	-Denman Island.	49° 32.3′ N 124° 49.8′ W	**Fl.W.** period 4s	20 **6**	5	White cylindrical tower, red top.	**Radar reflector.**
12816 *G 5537*	--W. Ferry Landing.	49° 32.1′ N 124° 49.4′ W	**F.Y.**	25 **8**		Dolphin.	Private light.
12820 *G 5535*	-Buckley Bay Ferry Landing.	49° 31.6′ N 124° 50.8′ W	**F.Y.**	25 **8**		Dolphin.	Private light.
12824 *G 5534*	-Mapleguard Point (Deep Bay).	49° 27.9′ N 124° 44.1′ W	**Fl.W.** period 4s	30 **9**	7	White cylindrical tower, green top.	**Radar reflector.**
12828 *G 5532*	-Chrome Island Range, front.	49° 28.3′ N 124° 41.1′ W	**F.Y.**	46 **14**	12	Cylindrical tower, red trapezoidal daymark, white stripe.	Visible on range line only.
12832 *G 5532.1*	--Rear, 93.3 meters 097°45′ from front.	49° 28.3′ N 124° 41.0′ W	**Fl.Y.** period 5s fl. 0.2s, ec. 4.8s	72 **22**	14	White cylindrical tower.	Visible on range line only.
			Fl.W. period 5s fl. 0.2s, ec. 4.8s				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12836 *G 5540*	-Denman Island.	49° 29.6′ N 124° 42.5′ W	**F.Y.**	25 **8**		Dolphin.	Private light.
12840 *G 5531*	-Hornby Island Ferry Landing.	49° 30.6′ N 124° 42.3′ W	**F.Y.**	25 **8**		Dolphin.	Private light.
12844 *G 5530*	Flora Islet.	49° 31.0′ N 124° 34.6′ W	**Fl.W.** period 4s	50 **15**	5	Square skeleton tower.	
12848 *G 5527*	Fegan Islets.	49° 31.9′ N 124° 23.0′ W	**Fl.W.** period 4s	26 **8**	5	White cylindrical tower.	**Radar reflector.**
12852 *G 5529*	**Sisters Islets.**	49° 29.2′ N 124° 26.1′ W	**Fl.(2)W.** period 15s fl. 0.4s, ec. 3s fl. 0.4s, ec. 11.2s	80 **24**	**16**	White cylindrical tower.	
12856 *G 5528*	False Bay.	49° 29.2′ N 124° 21.7′ W	**Fl.W.** period 4s	18 **6**	5	White cylindrical tower.	
12860 *G 5509*	French Creek, head.	49° 21.1′ N 124° 21.3′ W	**Q.R.**	19 **6**	5	White mast.	
12864 *G 5508.5*	Sangster Island.	49° 25.4′ N 124° 11.6′ W	**Q.R.**	56 **17**	5	White cylindrical tower, red top.	**Radar reflector.**
12868 *G 5508*	**Ballenas Island.**	49° 21.0′ N 124° 09.6′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	70 **21**	**17**	White octagonal tower, red top.	
12872 *G 5507.4*	Schooner Cove, breakwater.	49° 17.3′ N 124° 08.0′ W	**Fl.G.** period 4s	10 **3**	4	Mast, black, white and green square daymark.	
12876 *G 5507*	Schooner Reefs.	49° 17.6′ N 124° 07.8′ W	**Fl.R.** period 4s	23 **7**	4	White cylindrical tower, red top.	
12877	Winchelsea Islands, S. side of N. island.	49° 17.6′ N 124° 05.2′ W	**Fl.W.**				
	NANOOSE HARBOR:						
12880 *G 5504*	-Maude Island.	49° 16.2′ N 124° 04.7′ W	**Fl.W.** period 4s	32 **10**	6	White cylindrical tower, red top.	**Radar reflector.**
12884 *G 5506*	-Richard Point.	49° 15.9′ N 124° 07.5′ W	**Fl.R.** period 4s	26 **8**	4	White cylindrical tower, red top.	**Radar reflector.**
12885	-Breakwater.	49° 15.9′ N 124° 08.2′ W	**Q.Y.**				
12886	-Ranch Point Pier.	49° 15.9′ N 124° 08.9′ W	**Fl.Y.**				
12886.5	--W. end.	49° 16.0′ N 124° 09.0′ W	**Fl.Y.**				
12888 *G 5502*	White Islets.	49° 25.1′ N 123° 42.7′ W	**Fl.W.** period 4s	35 **11**	6	White cylindrical tower.	**Radar reflector.**
12892 *G 5502.4*	Selma Park, breakwater, head.	49° 28.0′ N 123° 44.7′ W	**Fl.R.** period 4s	27 **8**		White cylindrical tower, red top.	**Radar reflector.**
	HOWE SOUND:						
12896 *G 5420*	-Popham Island.	49° 21.8′ N 123° 29.5′ W	**Fl.R.** period 4s	37 **11**	4	White cylindrical tower, red top.	**Radar reflector.**
12900 *G 5419.4*	-Cape Roger Curtis.	49° 20.4′ N 123° 26.0′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	31 **10**	5	White cylindrical tower.	**Radar reflector.**
12904 *G 5420.4*	-Gibsons Landing Rock.	49° 23.9′ N 123° 29.9′ W	**Fl.G.** period 4s	23 **7**	4	White cylindrical tower, green top.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12908 *G 5420.5*	-Gibsons Landing, breakwater head.	49° 24.0′ N 123° 30.2′ W	**Fl.R.** period 4s	16 **5**	6	Building.	
12910 *G 5420.6*	-Gibsons landing, S. breakwater.	49° 24.0′ N 123° 30.3′ W	**Fl.G.** period 4s	20 **6**	3	White mast, black, white and green square daymark.	
12912 *G 5423.3*	-Grace Islands.	49° 25.8′ N 123° 26.9′ W	**Fl.W.** period 4s	20 **6**	5	White cylindrical tower.	
12916 *G 5423.6*	-Ekins Point.	49° 32.1′ N 123° 22.8′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	21 **6**	5	White cylindrical tower.	**Radar reflector.**
12918 *G 5423.82*	Squamish Terminal No 1.	49° 41.0′ N 123° 10.6′ W	**Fl.G.** period 4s	14 **4**	4	Mast, pile dolphin.	
12919 *G 5423.83*	-No 2.	49° 40.9′ N 123° 10.4′ W	**Fl.W.** period 4s	14 **4**	5	Mast, pile dolphin.	
12920 *G 5423.7*	Squamish Approach.	49° 40.8′ N 123° 09.9′ W	**Fl.R.** period 4s	20 **6**	3	Three-pile dolphin, red and white triangular daymark point up.	
12932 *G 5423.5*	-Brunswick Point.	49° 31.6′ N 123° 15.7′ W	**Fl.R.** period 4s	33 **10**	4	White cylindrical tower, red top.	**Radar reflector.**
12936 *G 5423.4*	-Pam Rock.	49° 29.3′ N 123° 18.0′ W	**Fl.W.** period 4s	38 **12**	5	White cylindrical tower.	**Radar reflector.**
12940 *G 5423.1*	-Hope Point.	49° 25.8′ N 123° 22.1′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	5	White cylindrical tower.	
12944 *G 5423*	-Finisterre Island.	49° 25.1′ N 123° 18.5′ W	**Q.W.**	33 **10**	4	White cylindrical tower.	**Radar reflector.**
12948 *G 5422*	-Tyee Point.	49° 22.8′ N 123° 16.4′ W	**Q.W.**	17 **5**	6	White round tower.	**Radar reflector.**
12952 *G 5421.5*	-Lookout Point.	49° 22.6′ N 123° 17.4′ W	**Q.R.**	23 **7**	5	White cylindrical tower, red top.	**Radar reflector.**
12956 *G 5422.5*	-Snug Cove.	49° 22.8′ N 123° 19.3′ W	**Fl.G.** period 4s	20 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
12960 *G 5422.6*	--N.	49° 22.9′ N 123° 19.6′ W	**Fl.R.** period 4s	20 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
12964 *G 5421.3*	-Fishermans Cove, (Robson).	49° 21.3′ N 123° 16.6′ W	**Fl.R.** period 4s	19 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
12966 *G 5421.35*	-Grebe Islets.	49° 20.5′ N 123° 16.6′ W	**Fl.(3)R.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	4	White cylindrical tower, red top.	**Radar reflector.**
12967 *G 5421.4*	-Bird Islet.	49° 21.8′ N 123° 17.5′ W	**Fl.R.** period 4s	16 **5**	4	White cylindrical tower, red top.	**Radar reflector.**
12968 *G 5419*	-Point Cowan.	49° 20.1′ N 123° 21.6′ W	**Q.W.**	67 **20**	7	White cylindrical tower.	**Radar reflector.**
12972 *G 5426*	**-Point Atkinson.**	49° 19.8′ N 123° 15.9′ W	**Fl.(2)W.** period 5s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 3.8s	108 **33**	**15**	White hexagonal tower, six buttresses, red top.	
	-First Narrows:						
12984 *G 5435*	--Beacon, N. side.	49° 19.2′ N 123° 08.8′ W	**Iso.G.** period 2s	25 **8**	7	White cylindrical tower, green top, four-pile dolphin.	**Radar reflector.**
12988 *G 5434*	--Prospect Point.	49° 18.8′ N 123° 08.5′ W	**Iso.R.** period 2s	38 **12**	10	White tower, red top.	Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
12992 *G 5437*	-Lions Gate Bridge, S.	49° 18.9′ N 123° 08.3′ W	**Dir.W.R.G.**	208 **63**	14	On bridge.	F.G. 303°-304°, F.W.-306°, F.R.-307°. Shown 24 hours.
12996 *G 5438*	--N.	49° 19.0′ N 123° 08.3′ W	**Dir.W.R.G.**	208 **63**	14	On bridge.	F.G. 303°-304°, F.W.-306°, F.R.-307°. Shown 24 hours.
13000 *G 5442*	-Calamity Point.	49° 18.8′ N 123° 07.7′ W	**Fl.W.** period 4s	17 **5**	9	White cylindrical tower, green top, 16-pile dolphin.	**Radar reflector.**
13008 *G 5448*	-Burnaby Shoal.	49° 17.9′ N 123° 06.6′ W	**Q.R.**	30 **9**	10	White cylindrical tower, red top.	
13012 *G 5455*	-Deadman Island.	49° 17.6′ N 123° 07.4′ W	**Q.R.**	22 **7**	4	White cylindrical tower, red top, three-pile dolphin.	**Radar reflector.**
13014 *G 5456*	-Coal Harbor.	49° 17.6′ N 123° 07.5′ W	**Fl.R.** period 4s	23 **7**	4	White cylindrical tower, red top, nine-pile dolphin.	**Radar reflector.**
13016 *G 5465*	-Terminal Dock, E.	49° 17.6′ N 123° 03.0′ W	**Fl.R.** period 4s	8 **2**	7	Mast, pilings.	
13019 *G 5465.5*	-Second Narrows West Directional.	49° 17.6′ N 123° 02.8′ W	**F.R.**	26 **8**	10	White square skeleton tower, three-pile dolphin.	Visible on a bearing of 266°.
13020 *G 5468*	-Second Narrows Highway Bridge.	49° 17.7′ N 123° 01.6′ W	**F.W.**	148 **45**		On bridge. Floodlit.	Visible from W. approach. Center light located on bottom of span.
13028 *G 5468.3*	--(lower).	49° 17.7′ N 123° 01.6′ W	**F.W.**	197 **60**		On bridge.	Visible from E. approach.
13032 *G 5468.2*	--(upper).	49° 17.7′ N 123° 01.5′ W	**F.W.**	197 **60**		On bridge.	Visible from W. approach.
13033 *G 5473*	-Second Narrows, E. of railway bridge.	49° 17.8′ N 123° 00.6′ W	**Q.G.**	27 **8**	6	White square skeleton tower, green top, three-pile dolphin.	
13034 *G 5471.3*	-Riverside East.	49° 17.8′ N 123° 01.1′ W	**Fl.G.** period 4s	27 **8**	7	White square skeleton tower, green top, six-pile dolphin.	
13035 *G 5469.9*	-CN Railway Bridge.	49° 17.7′ N 123° 01.5′ W	**Dir.W.R.G.**		10	On bridge.	F.G. 263°-264°, Al.W.G.-265°, F.W.-267°, Al.W.R.-268°, F.R.-270°.
13040 *G 5473.4*	--E.	49° 17.9′ N 122° 59.8′ W	**Fl.G.** period 4s	11 **3**	7	19-pile dolphin.	**Radar reflector.**
13044 *G 5474*	-Berry Point.	49° 17.7′ N 122° 59.2′ W	**Fl.R.** period 4s	30 **9**	8	Triangular skeleton tower, nine-pile dolphin.	
	-INDIAN ARM:						
13046 *G 5481*	--Woodlands.	49° 20.5′ N 122° 55.2′ W	**Fl.G.** period 4s	14 **4**	4	White cylindrical tower, green top.	**Radar reflector.**
13047 *G 5481.2*	-Twin Islands.	49° 21.1′ N 122° 53.4′ W	**Fl.R.** period 4s	30 **9**	5	White tower, red top.	**Radar reflector.**
13048 *G 5477*	Gosse Point.	49° 17.5′ N 122° 55.5′ W	**Fl.R.** period 4s	30 **9**	5	White cylindrical tower, red top, seven-pile dolphin.	**Radar reflector.**
13049 *G 5481.4*	-Best Point.	49° 22.8′ N 122° 52.8′ W	**Fl.W.** period 4s	19 **6**	5	White cylindrical tower.	**Radar reflector.**
13052 *G 5476*	-Roche Point.	49° 18.0′ N 122° 57.4′ W	**Fl.W.** period 4s	25 **8**	4	White cylindrical tower, three-pile dolphin.	
13056 *G 5478*	-Burns Point.	49° 17.6′ N 122° 55.1′ W	**Fl.W.** period 4s	15 **5**	7	White cylindrical tower, green top.	**Radar reflector.**
13060 *G 5479*	-Carraholly Point.	49° 17.6′ N 122° 54.5′ W	**Fl.G.** period 4s	16 **5**	5	White cylindrical tower, green top.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
13061 *G 5479.2*	-Carraholly Range, front.	49° 17.7′ N 122° 53.9′ W	**F.Y.**	24 **7**	10	Square skeleton tower, white trapezoidal daymark, red stripe, four-pile dolphin.	
13062 *G 5479.21*	--Rear, 218 meters 277°05′ from front.	49° 17.7′ N 122° 54.1′ W	**F.Y.**	49 **15**	10	Square skeleton tower, white trapezoidal daymark, red stripe, four-pile dolphin.	
13064 *G 5480*	-Reed Point.	49° 17.5′ N 122° 52.4′ W	**Q.R.**	32 **10**	3	Square skeleton tower, red top, white rectangular daymark, three-pile dolphin.	
13065 *G 5482*	Croker Island South.	49° 25.8′ N 122° 51.8′ W	**Fl.(2)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	18 **6**	5	White cylindrical tower.	**Radar reflector.**
13080 *G 5430*	-Burrard Bridge, N. pier.	49° 16.5′ N 123° 08.2′ W	**Dir.W.R.G.**	21 **6**	11	Mast.	F.R. 128°-131°, F.W.-132°, F.G.-135°.
13086 *G 5426.8*	-Spanish Banks No 2.	49° 17.4′ N 123° 14.9′ W	**Fl.(2)R.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	24 **7**	5	White cylindrical tower, red top, nine-pile dolphin.	**Radar reflector.**
13087 *G 5426.6*	-Spanish Bank.	49° 17.2′ N 123° 13.6′ W	**Fl.W.** period 4s	23 **7**	6	White cylindrical tower, red top, nine-pile dolphin.	**Radar reflector.**
13088 *G 5427.2*	-English Bay Anchorage, E.	49° 16.5′ N 123° 11.3′ W	**Q.Y.**	16 **5**	8	Mast.	Private light.
13090 *G 5398.8*	Westshore Terminals Jetty, W. Head.	49° 00.7′ N 123° 10.0′ W	**Fl.Y.**				Private light.
13091 *G 5398.85*	-Elbow.	49° 00.7′ N 123° 09.8′ W	**Fl.Y.**				Private light.
13100	*Roberts Bank Buoy TA.*	49° 04.4′ N 123° 22.8′ W	**Fl.Y.** period 4s			Yellow buoy.	**Radar reflector.**
	RACON		**O(– – –)**		**15**		(3 & 10cm).
13112 *G 5400*	-Roberts Bank.	49° 05.3′ N 123° 18.6′ W	**Fl.W.** period 4s	30 **9**	9	White cylindrical tower, red top.	
	-RACON		**N(– •)**		**15**		(3 & 10cm).
13113 *G 5399*	--Entrance Range, front.	49° 01.6′ N 123° 08.5′ W	**Q.Y.**	41 **12**	14	Square skeleton tower, red trapezoidal daymark, white stripe.	
13113.1 *G 5399.1*	---Rear, 250 meters 032° from front.	49° 01.7′ N 123° 08.4′ W	**Q.Y.**	63 **19**	14	Square skeleton tower, red trapezoidal daymark, white stripe.	
13116 *G 5401*	**-Sand Heads.**	49° 06.4′ N 123° 18.2′ W	**Fl.G.** period 5s fl. 0.1s, ec. 4.9s	44 **13**	**16**	White cylindrical tower.	
13122 *G 5402.5*	-Northside Jetty 1A.	49° 06.5′ N 123° 17.7′ W	**Fl.(3)G.** period 12s	20 **6**	4	White square skeleton tower, green top.	
13128 *G 5403*	-Beacon No 3.	49° 06.7′ N 123° 17.3′ W	**Fl.G.** period 4s	19 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
13130 *G 5403.5*	-Beacon 3A.	49° 06.9′ N 123° 16.8′ W	**Fl.(3)G.** period 12s	21 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
13136 *G 5404*	-Northside Jetty 5.	49° 07.2′ N 123° 16.2′ W	**Fl.(3)G.** period 12s	24 **7**	5	White square skeleton tower, green top, three-pile dolphin.	
13138 *G 5404.5*	-Beacon 5A.	49° 07.4′ N 123° 15.5′ W	**Fl.(3)G.** period 12s	19 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
13144 *G 5405*	-Northside Jetty 7.	49° 07.7′ N 123° 14.9′ W	**Fl.G.** period 4s	17 **5**	5	White square skeleton tower, green top.	
13148 *G 5406*	-Beacon No 7A.	49° 07.9′ N 123° 14.5′ W	**Q.G.**	18 **6**	5	White cylindrical tower, green top.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
13152 *G 5410*	**-Wing Dam Range,** front.	49° 08.0′ N 123° 14.1′ W	**F.Y.**	31 **9**	**15**	Cylindrical mast, red trapezoidal daymark, white stripe.	Shown 24 hours.
			F.G.	30 **9**	4		Visible upstream.
13156 *G 5410.1*	--Rear, 715 meters 057°25′ from front.	49° 08.2′ N 123° 13.6′ W	**F.Y.**	72 **22**	**15**	Square skeleton tower, red trapezoidal daymark, white stripe.	Shown 24 hours.
13160 *G 5408*	-Beacon No 11, on jetty.	49° 07.9′ N 123° 13.6′ W	**Fl.G.** period 4s	16 **5**	4	White square skeleton tower, green top.	
13164 *G 5413*	-Northside Jetty 13, on N. side.	49° 07.8′ N 123° 12.8′ W	**Fl.(3)G.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	17 **5**	4	White square skeleton tower, green top, nine-pile dolphin.	
13168 *G 5413.1*	-Garry Point West.	49° 07.5′ N 123° 12.0′ W	**Fl.G.** period 4s	23 **7**	6	White square skeleton tower, green top, three-pile dolphin.	
	NORTH ARM ENTRANCE:						
13176 *G 5416.2*	-Westerly.	49° 15.4′ N 123° 16.8′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 **7**	9	White cylindrical tower.	**Radar reflector.**
13180 *G 5416.4*	--North Arm breakwater.	49° 15.2′ N 123° 16.0′ W	**Fl.G.** period 4s	11 **3**	4	Mast, green, black and white square daymark.	
13188 *G 5417*	--North Arm Third.	49° 14.4′ N 123° 14.9′ W	**Fl.W.** period 4s	23 **7**	3	Three-pile dolphin, red and white triangular daymark point up.	
13192 *G 5418*	--Inner (Easterly).	49° 13.6′ N 123° 13.7′ W	**Q.R.**	20 **6**	3	Long pile of three-pile dolphin.	
13196	*Canoe Pass Buoy T14.*	49° 02.3′ N 123° 15.4′ W	**Fl.R.** period 4s			Red buoy.	
	RACON		**K(– • –)**		**15**		(3 & 10cm).
13214 *G 5161*	International Boundary, B.	49° 00.1′ N 123° 05.6′ W	**Fl.Y.** period 4s	15 **5**	3	Pile dolphin, yellow diamond daymark.	
13216 *G 5160.1*	-C.	49° 00.1′ N 123° 02.0′ W	**Fl.Y.** period 4s	25 **8**	3	Concrete structure.	
13220 *G 5160*	-D.	49° 00.1′ N 123° 01.2′ W	**Fl.Y.** period 4s	36 **11**	3	Concrete structure, yellow diamond daymark.	
13220.1 *G 5160.2*	-E.	49° 00.1′ N 122° 58.4′ W	**Fl.Y.** period 4s	15 **5**	3	Pile dolphin, yellow diamond daymark.	
13220.2 *G 5160.3*	- F.	49° 00.1′ N 122° 55.5′ W	**Fl.Y.** period 4s	15 **5**	3	Pile structure, yellow diamond daymark.	
13220.3 *G 5160.9*	- G.	49° 00.1′ N 122° 52.6′ W	**Fl.Y.** period 4s	15 **5**	3	Pile structure, yellow diamond daymark.	
13220.4 *G 5160.95*	- H.	49° 00.1′ N 122° 49.8′ W	**Fl.Y.** period 4s	15 **5**	3	Pile structure, yellow diamond daymark.	
13220.5 *G 5413.21*	-Kirkland Island West, N. side of island.	49° 06.7′ N 123° 06.1′ W	**Fl.(3)R.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	16 **5**	5	White square skeleton tower, red top.	
13221 *G 5413.24*	-Kirkland Island, breakwater.	49° 06.9′ N 123° 05.1′ W	**Q.R.**	30 **9**	4	Mast, red and white triangular daymark point up.	
13222 *G 5413.22*	-Kirkland Island Range, front.	49° 06.8′ N 123° 05.1′ W	**F.Y.**	28 **8**	10	Square skeleton tower, white trapezoidal daymark, red stripe, nine-pile dolphin.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
13223 *G 5413.23*	--Rear, about 270 meters 221°10′ from front.	49° 06.8′ N 123° 05.2′ W	**F.Y.**	48 **15**	10	Square skeleton tower, white trapezoidal daymark, red stripe, six-pile dolphin.	
13223.1 *G 5413.3*	Tilbury Range 2, front.	49° 09.0′ N 123° 02.3′ W	**Q.Y.**	36 **11**	13	Pile dolphin, white trapezoidal daymark, red stripe.	Shown 24 hours.
13223.2 *G 5413.31*	-Rear, 297 meters 041°10′ from front.	49° 09.1′ N 123° 02.2′ W	**Iso.Y.** period 2s	62 **19**	**15**	Cylindrical tower, white trapezoidal daymark, red stripe.	Shown 24 hours.
13223.5 *G 5413.47*	Shoal Point, E. end of trifurcation wall.	49° 11.7′ N 122° 54.9′ W	**Q.G.**	10 **3**	4	Mast, three-pile dolphin.	
13224 *G 5160.96*	International Boundary l.	49° 00.1′ N 122° 46.9′ W	**Fl.Y.** period 4s	42 **13**	3	Concrete structure, yellow diamond daymark.	
13232 *G 5150*	Crescent Beach.	49° 00.7′ N 122° 56.4′ W	**Fl.R.** period 4s	22 **7**	5	Mast, red and white triangular daymark point up, pile dolphin.	
13236 *G 5150.5*	Crescent Channel.	49° 03.2′ N 122° 53.8′ W	**Q.R.**	14 **4**	3	Three-pile dolphin, red and white triangular daymark point up.	
13238 *G 5149.5*	White Rock Breakwater.	49° 01.0′ N 122° 48.5′ W	**Fl.W.** period 4s	15 **5**	5	Three-pile dolphin.	
13240 *G 5396*	Tsawwassen Ferry, breakwater.	49° 00.1′ N 123° 07.7′ W	**Q.R.**	26 **8**	4	White cylindrical tower, red top.	**Radar reflector.**
13244 *G 5397*	-S., off south breakwater.	49° 00.2′ N 123° 08.0′ W	**V.Q.Y.**			Dolphin.	**Horn:** 1 bl. ev. 20s (bl. 1s, si. 19s). Operated for ferry movements only. Private light. **Radar reflector.**
13244.5 *G 5398.6*	Tsawwassen.	49° 00.5′ N 123° 08.6′ W	**Fl.Y.** period 4s	30 **9**			Private light. **Radar reflector.**
13248 *G 5499*	Clarke Rock.	49° 13.5′ N 123° 56.5′ W	**Fl.G.** period 4s	16 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
13252 *G 5498*	Hudson Rocks.	49° 13.4′ N 123° 55.7′ W	**Fl.W.** period 4s	30 **9**	7	White cylindrical tower, red top.	**Radar reflector.**
13256 *G 5489*	Snake Island.	49° 13.0′ N 123° 53.4′ W	**Fl.W.** period 4s	32 **10**	7	White cylindrical tower, green top.	**Radar reflector.**
13260 *G 5496*	Jesse Island.	49° 12.5′ N 123° 56.6′ W	**Q.R.**	24 **7**	4	White cylindrical tower, red top.	**Radar reflector.**
13264 *G 5490*	Descanso Bay.	49° 10.6′ N 123° 52.2′ W	**Fl.W.** period 4s	18 **5**	6	White cylindrical tower.	**Radar reflector.**
	NANAIMO HARBOR:						
13268 *G 5492*	-Gallows Point.	49° 10.2′ N 123° 55.1′ W	**Iso.W.** period 2s	24 **7**	12	White cylindrical tower, red top.	Shown 24 hours. **Radar reflector.**
13272 *G 5491*	-Jack Point.	49° 10.0′ N 123° 53.6′ W	**Fl.G.** period 4s	15 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
13276 *G 5493*	-S. side of entrance to harbor.	49° 09.9′ N 123° 55.0′ W	**Q.G.**	26 **8**	4	White cylindrical tower, green top, three-pile dolphin.	**Radar reflector.**
13284 *G 5493.5*	**-Colliery** Range, front.	49° 09.9′ N 123° 55.8′ W	**Iso.G.** period 1.5s	48 **14**	**16**	Mast, red trapezoidal daymark, white stripe.	Shown 24 hours.
13288 *G 5493.51*	--Rear, 106.7 meters 254°45′ from front.	49° 09.9′ N 123° 55.9′ W	**Iso.G.** period 2s	77 **23**	**17**	Mast, red trapezoidal daymark, white stripe.	Shown 24 hours.
13289 *G 5494.44*	-Gabriola Ferry Landing, off W. head.	49° 10.0′ N 123° 55.8′ W	**F.Y.**				
13290 *G 5494.5*	-Ferry terminal.	49° 10.0′ N 123° 55.8′ W	**Q.W.R.G.**	20 **6**			R. 250°-257°, W.-270°30′, G.-278°. Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
13300 *G 5488*	**Entrance Island.**	49° 12.6′ N 123° 48.5′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	62 **19**	**15**	White cylindrical tower.	
13304 *G 5485*	Thrasher Rock.	49° 09.0′ N 123° 38.5′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	36 **11**	7	White cylindrical tower, green top.	**Radar reflector.**
	RACON		**X(– • • –)**				(3 & 10cm).
13308 *G 5486.2*	Silva Bay.	49° 09.2′ N 123° 41.5′ W	**Fl.G.** period 4s	15 **5**	4	Mast, black, white and green square daymark.	
13312 *G 5486*	Tugboat Island.	49° 08.9′ N 123° 41.1′ W	**Fl.W.** period 4s	20 **6**	5	White cylindrical tower.	**Radar reflector.**
13316 *G 5486.4*	Breakwater Island.	49° 07.8′ N 123° 41.0′ W	**Fl.R.** period 4s	20 **6**	4	Mast.	
13320 *G 5486.5*	Rogers Reef.	49° 07.9′ N 123° 41.4′ W	**Q.W.**	20 **6**	5	White cylindrical tower.	**Radar reflector.**
13324 *G 5486.44*	Gabriola Passage, E.	49° 07.5′ N 123° 41.3′ W	**Fl.G.** period 4s	17 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
13328 *G 5486.8*	Dibuxante Point.	49° 07.6′ N 123° 43.0′ W	**Q.R.**	21 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
13332 *G 5390*	Joan Point, W. side of Dodd Narrows.	49° 08.1′ N 123° 49.1′ W	**Q.W.**	29 **9**	5	White cylindrical tower, green top.	**Radar reflector.**
13336 *G 5388*	Danger Reefs.	49° 03.2′ N 123° 42.9′ W	**Q.W.**	22 **7**	5	White cylindrical tower.	0.5 mile berth should be given when passing southward. **Radar reflector.**
13340 *G 5386*	Coffin Island.	48° 59.1′ N 123° 45.2′ W	**Fl.W.** period 4s	19 **6**	6	White cylindrical tower, green top.	**Radar reflector.**
13344 *G 5382*	Preedy Harbor.	48° 58.1′ N 123° 41.0′ W	**Q.R.**	17 **5**	4	White cylindrical tower, red top.	**Radar reflector.**
13348 *G 5382.2*	Hudson Island.	48° 58.0′ N 123° 40.5′ W	**Fl.R.** period 4s	16 **5**	4	White cylindrical tower, red top.	**Radar reflector.**
13352 *G 5383*	Alarm Rock.	48° 57.5′ N 123° 40.5′ W	**Fl.(2)W.** period 6s	17 **5**	5	White cylindrical tower.	**Radar reflector.**
	BARE POINT:						
13356 *G 5384*	Bare Point, Chemainus Bay.	48° 55.8′ N 123° 42.4′ W	**Fl.G.** period 4s	31 **9**	5	White cylindrical tower, green top.	**Radar reflector.**
13360 *G 5385*	-Chemainus Bay Range, front, N. end of wharf.	48° 55.5′ N 123° 42.8′ W	**F.G.**	27 **8**	13	Square skeleton tower, red trapezoidal daymark, white stripe.	
13364 *G 5385.1*	--Rear, 226 meters 198°50′ from front.	48° 55.3′ N 123° 42.9′ W	**F.G.**	45 **14**	13	Tripod skeleton tower, red trapezoidal daymark, white stripe.	
13368 *G 5378*	North Reef, E. side of Stuart Channel.	48° 54.9′ N 123° 37.6′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	22 **7**	7	White cylindrical tower.	**Radar reflector.**
13372 *G 5374*	Crofton, on SE. Shoal Island.	48° 52.8′ N 123° 37.8′ W	**Fl.W.** period 4s	19 **6**	6	White cylindrical tower.	**Radar reflector.**
13380 *G 5376.5*	Grave Point.	48° 50.9′ N 123° 35.6′ W	**Fl.G.** period 4s	17 **5**	4	Mast.	
13384 *G 5376.6*	Octopus Point.	48° 47.9′ N 123° 33.8′ W	**Fl.G.** period 4s	20 **6**	4	White mast.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
13388 *G 5348*	Burial Island.	48° 46.2′ N 123° 33.8′ W	**Q.R.**	30 **9**	3	White cylindrical tower, red top.	**Radar reflector.**
13392 *G 5346.4*	Separation Point.	48° 44.6′ N 123° 34.2′ W	**Fl.W.** period 4s	20 **6**	7	White cylindrical tower.	**Radar reflector.**
13396 *G 5346*	Patey Rock, entrance to Saanich Inlet.	48° 42.0′ N 123° 31.3′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	5	White cylindrical tower, green top.	**Radar reflector.**
13398 *G 5349*	Wain Rock.	48° 41.2′ N 123° 29.4′ W	**Fl.G.** period 4s	23 **7**	4	White cylindrical tower, green top.	**Radar reflector.**
13399 *G 5349.5*	Patricia Bay Breakwater.	48° 39.2′ N 123° 27.0′ W	**Fl.R.** period 4s	17 **5**	4	Mast, red and white triangular daymark point up.	
13400 *G 5350*	Senanus Island.	48° 35.6′ N 123° 29.2′ W	**Fl.W.** period 4s	28 **8**	6	White cylindrical tower.	**Radar reflector.**
13408 *G 5394*	-Race Point, Galiano Island Range, front.	49° 00.8′ N 123° 35.2′ W	**F.Y.**	23 **7**	10	White cylindrical tower.	
13412 *G 5394.1*	--Virago Point, rear, 445.2 meters 196°07′ from front.	49° 00.5′ N 123° 35.3′ W	**F.Y.**	34 **10**	10	White square tower.	
13416 *G 5394.4*	-Virago Rock.	49° 00.8′ N 123° 35.6′ W	**Q.W.R.**	22 **7**	4	White cylindrical tower, green top.	R. 024°-229°, W.-024°. **Radar reflector.**
13420 *G 5379.4*	Norway Island.	48° 58.9′ N 123° 37.6′ W	**Fl.Y.** period 4s	10 **3**		Mast.	Maintained Apr. 30 to Oct. 1. Private light.
13424 *G 5379.2*	Jackscrew Island.	48° 57.0′ N 123° 35.2′ W	**Fl.W.** period 4s	19 **6**	6	White cylindrical tower, red top.	**Radar reflector.**
13428 *G 5379*	Southey Point, N. extremity of Saltspring Island.	48° 56.7′ N 123° 35.8′ W	**Q.W.**	20 **6**	6	White cylindrical tower.	**Radar reflector.**
13432 *G 5378.6*	Grappler Rock.	48° 56.3′ N 123° 36.2′ W	**Fl.R.** period 4s	20 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
13436 *G 5380*	Walker Rock.	48° 55.4′ N 123° 29.7′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 **7**	7	White cylindrical tower.	**Radar reflector.**
			F.W.R.G.	23 **7**	7		G. 082°-088°, W.-092°, R.-099°.
13440 *G 5381*	Saltspring Island.	48° 55.4′ N 123° 33.2′ W	**Dir.W.R.G.**	21 **6**	8	White cylindrical tower.	F.R. 264°-268°, F.W.-272°, F.G.-276°. **Radar reflector.**
13448 *G 5366*	Philimore Point.	48° 52.3′ N 123° 23.5′ W	**Q.R.**	24 **7**	3	White cylindrical tower, red top.	**Radar reflector.**
13456 *G 5369*	Peile Point.	48° 51.0′ N 123° 24.3′ W	**Fl.W.** period 4s	25 **8**	7	White cylindrical tower.	**Radar reflector.**
13460 *G 5370*	Nose Point.	48° 50.5′ N 123° 25.2′ W	**Q.W.**	28 **8**	6	White cylindrical tower.	**Radar reflector.**
13464 *G 5370.4*	Long Harbor, on rock.	48° 51.1′ N 123° 26.5′ W	**Q.R.**	19 **6**	2	White cylindrical tower, red top.	**Radar reflector.**
13472 *G 5371*	Ganges Harbor.	48° 50.2′ N 123° 27.2′ W	**Fl.R.** period 4s	27 **8**	4	White cylindrical tower, red top.	**Radar reflector.**
13476 *G 5372*	-Grace Islet.	48° 51.1′ N 123° 29.6′ W	**Fl.G.** period 4s	28 **8**	4	White cylindrical tower, green top.	**Radar reflector.**
	ACTIVE PASS:						
13480 *G 5360*	**-Georgina Point.**	48° 52.4′ N 123° 17.5′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	57 **17**	**17**	White cylindrical tower.	**Radiobeacon.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
13488 *G 5362*	-Mary Anne Point.	48° 51.7′ N 123° 18.8′ W	**Q.W.**	25 **8**	6	White cylindrical tower, green top.	**Radar reflector.**
13492 *G 5365*	-Galiano Island.	48° 51.7′ N 123° 20.9′ W	**Q.G.**	21 **6**	4	White square skeleton tower, green top.	
13496 *G 5364*	-Helen Point.	48° 51.5′ N 123° 20.7′ W	**Q.W.**	23 **7**	6	White cylindrical tower, red top.	**Radar reflector.**
13500 *G 5367*	Enterprise Reef.	48° 50.7′ N 123° 20.9′ W	**Q.R.**	19 **6**	4	White cylindrical tower, red top, four-pile dolphin.	**Radar reflector.**
			F.W.R.	11 **3**	4		W. 107°30′-110°, R.-121°, W.-123°30′.
13504 *G 5368*	Portlock Point, E. extremity of Prevost Island.	48° 49.7′ N 123° 21.1′ W	**Q.W.**	51 **16**	7	White tower.	
13508 *G 5373*	Conconi Reef.	48° 49.4′ N 123° 17.5′ W	**Q.W.**	20 **6**	5	White cylindrical tower, red top.	**Radar reflector.**
13509 *G 5368.5*	Port Washington, Boat Island.	48° 48.7′ N 123° 19.4′ W	**Fl.(2)R.** period 6s	23 **7**	3	White cylindrical tower, red top.	**Radar reflector.**
13510 *G 5359.5*	Fane Island.	48° 48.4′ N 123° 16.1′ W	**Fl.G.** period 4s	26 **8**	3	White cylindrical tower, green top.	**Radar reflector.**
13512 *G 5356*	Channel Islands.	48° 48.1′ N 123° 22.9′ W	**Fl.W.** period 4s	29 **9**	7	White cylindrical tower.	**Radar reflector.**
13520 *G 5355.4*	Mouat Point.	48° 46.2′ N 123° 18.8′ W	**Fl.R.** period 4s	22 **7**	6	White cylindrical tower, red top.	**Radar reflector.**
13524 *G 5354*	Canoe Rock.	48° 44.0′ N 123° 20.4′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19 **6**	6	White cylindrical tower, red top.	**Radar reflector.**
			BRITISH COLUMBIA-WASHINGTON				
13528 *G 5353*	Kanaka Bluff.	48° 43.6′ N 123° 23.2′ W	**Fl.W.** period 4s	25 **8**	6	White cylindrical tower, red top.	**Radar reflector.**
13532 *G 5352*	Fulford Harbor.	48° 46.2′ N 123° 27.1′ W	**Fl.W.** period 4s				Private light.
13536 *G 5351.6*	-Jackson Rock.	48° 45.3′ N 123° 26.1′ W	**Q.R.**	19 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
13540 *G 5351*	Isabella Island.	48° 43.7′ N 123° 25.8′ W	**Q.W.**	28 **8**	5	White cylindrical tower, green top.	**Radar reflector.**
13544 *G 5345.9*	Shute Reef.	48° 42.6′ N 123° 25.9′ W	**Q.R.**	23 **7**	4	White cylindrical tower.	**Radar reflector.**
13548 *G 5345.8*	Colburne Passage South.	48° 41.8′ N 123° 25.5′ W	**Fl.G.** period 4s	15 **4**	3	White cylindrical tower, green top, four-pile dolphin.	
13556 *G 5345.2*	Coal Island, on Fir Cone Point.	48° 41.5′ N 123° 23.3′ W	**Fl.G.** period 4s	24 **7**	4	White cylindrical tower, green top.	
13560 *G 5343.5*	Fernie Island.	48° 40.7′ N 123° 23.5′ W	**Fl.G.** period 4s	22 **7**	4	White cylindrical tower, green top.	**Radar reflector.**
13564 *G 5344.6*	Tsehum Harbor.	48° 40.3′ N 123° 24.2′ W	**Fl.R.** period 4s	16 **5**	3	Platform, three-pile dolphin, red and white triangular daymark point up.	
13565 *G 5344.62*	-Entrance.	48° 40.3′ N 123° 24.3′ W	**Q.R.**	12 **4**	3	Pile, red and white triangular daymark point up.	

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			BRITISH COLUMBIA-WASHINGTON				
13566 *G 5344.61*	-Breakwater.	48° 40.3′ N 123° 24.2′ W	**Fl.G.**				Private light.
13568 *G 5344.7*	Blue Heron Basin Entrance.	48° 40.4′ N 123° 24.7′ W	**Fl.W.** period 4s	15 **5**	3	Three-pile dolphin, black, white and green square daymark.	
13572 *G 5344.74*	Blue Heron Basin.	48° 40.4′ N 123° 25.1′ W	**Q.G.**	12 **4**	2	Three-pile dolphin, black, white and green square daymark.	
13576 *G 5345.3*	Goudge Island.	48° 41.3′ N 123° 23.8′ W	**Fl.W.** period 4s	19 **6**	5	White cylindrical tower.	**Radar reflector.**
13580 *G 5345.7*	Clive Island, on rock SE. of Piers Island.	48° 42.1′ N 123° 24.3′ W	**Q.G.**	17 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
13584 *G 5152*	**Point Roberts.**	48° 58.3′ N 123° 05.0′ W	**Fl.(2)W.** period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	30 **9**	**15**	Skeleton tower, red and white diamond daymark; 25.	
13588 *G 5142*	Patos Island (U.S.), NW. end of larger island, N. entrance to Haro Strait.	48° 47.3′ N 122° 58.3′ W	**Fl.W.R.** period 6s	52 **16**	W. 8 R. 6	White square tower, building.	R. 011°30′-059°30′ covers six-fathom shoal. R. 097°-114° covers Rosenfield Rock.
13592 *G 5359*	Croker Point.	48° 46.5′ N 123° 12.1′ W	**Fl.R.** period 4s fl. 0.5s, ec. 3.5s	15 **5**	4	Mast, red and white triangular daymark point up.	
13596 *G 5358*	**Saturna Island.**	48° 47.0′ N 123° 02.7′ W	**Fl.W.** period 15s fl. 0.1s, ec. 14.9s	121 **37**	**17**	Red square skeleton tower.	
			F.R.	102 **31**	8		Visible 156°-211°30′.
13600 *G 5140*	Skipjack Island (U.S.), NW. end.	48° 44.0′ N 123° 02.3′ W	**Fl.W.** period 4s	59 **18**	6	Skeleton tower, white and black diamond daymark.	Visible 347°-261°.
13604 *G 5357.4*	Gowlland Point.	48° 44.1′ N 123° 11.0′ W	**Fl.W.** period 4s	35 **11**	7	White cylindrical tower, green top.	**Radar reflector.**

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			BRITISH COLUMBIA-CANADA				
13608 *G 5357*	Hay Point, Bedwell Harbor.	48° 44.7′ N 123° 13.8′ W	**Q.R.**	21 **6**	4	White cylindrical tower, red upper portion.	**Radar reflector.**
	HARO STRAIT:						
13612 *G 5340*	-Turn Point (U.S.), NW. end of Stuart Island.	48° 41.0′ N 123° 14.0′ W	**Fl.W.** period 2.5s	44 **13**	8	White concrete tower.	Visible 357°-260°30′.
13616 *G 5339*	-Tom Point.	48° 39.7′ N 123° 16.4′ W	**Fl.W.G.** period 4s	21 **6**	7	White cylindrical tower, green top.	G.171°-181°, W.-171°. **Radar reflector.**
13617 *G 5339.4*	-Mandarte Island North.	48° 38.3′ N 123° 17.9′ W	**Fl.G.** period 4s	18 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
13617.3 *G 5341*	-Forrest Island.	48° 39.3′ N 123° 19.4′ W	**Fl.R.** period 4s	27 **8**	4	White cylindrical tower, red top.	**Radar reflector.**
13620 *G 5340.4*	-Arachne Reef.	48° 41.1′ N 123° 17.6′ W	**Fl.(2+1)G.** period 6s	19 **6**	6	White cylindrical tower, green top.	**Radar reflector.**
13624 *G 5338*	-Kellett Bluff (U.S.), SW. side of Henry Island.	48° 35.3′ N 123° 12.1′ W	**Fl.W.** period 4s	80 **24**	7	Skeleton tower, white and black diamond daymark.	

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			BRITISH COLUMBIA-CANADA				
13628 *G 5337*	Kelp Reefs.	48° 32.9′ N 123° 14.2′ W	**Q.W.**	35 **11**	10	White cylindrical tower.	
13632 *G 5336*	-Zero Rock.	48° 31.4′ N 123° 17.5′ W	**Fl.W.** period 4s	28 **8**	7	White cylindrical tower, green top.	**Radar reflector.**
13636 *G 5335*	**-Lime Kiln.**	48° 31.0′ N 123° 09.2′ W	**Fl.W.** period 10s	55 **17**	**17**	Octagonal tower, building; 38.	
13640 *G 5340.6*	Point Fairfax.	48° 42.0′ N 123° 17.9′ W	**Fl.(3)W.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	29 **9**	7	White cylindrical tower.	**Radar reflector.**
13644 *G 5342.4*	Little Group Rock.	48° 40.6′ N 123° 22.1′ W	**Fl.W.** period 4s	16 **5**	6	White cylindrical tower.	**Radar reflector.**
13647 *G 5344.56*	Roberts Bay.	48° 40.0′ N 123° 23.5′ W	**Fl.G.** period 4s	29 **9**	4	Square skeleton tower, black, white and green square daymarks.	
	-Sidney channel:						
13648 *G 5342*	--Dock Island.	48° 40.3′ N 123° 21.4′ W	**Q.G.**	37 **11**	4	White cylindrical tower, green top.	**Radar reflector.**
13652 *G 5341.4*	--Sidney Spit.	48° 39.2′ N 123° 20.8′ W	**Fl.(3)R.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 **7**	4	White cylindrical tower, red top.	**Radar reflector.**
13654 *G 5341.6*	--Sidney Breakwater.	48° 39.2′ N 123° 23.5′ W	**Fl.R.** period 4s	21 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
13664 *G 5345*	-James Island.	48° 37.0′ N 123° 22.8′ W	**Fl.W.** period 4s	16 **5**	4	Mast, three-pile dolphin.	
13672 *G 5337.5*	--D'Arcy Island.	48° 33.9′ N 123° 17.1′ W	**Fl.R.** period 4s	26 **8**	7	White cylindrical tower, red top.	**Radar reflector.**
13680 *G 5334.5*	-Baynes Channel.	48° 27.0′ N 123° 15.8′ W	**Q.G.**	21 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
13684 *G 5334*	**Discovery Island.**	48° 25.5′ N 123° 13.5′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	93 **28**	**15**	Cylindrical tower.	
13688 *G 5330*	Lewis Reef.	48° 25.5′ N 123° 16.8′ W	**Q.R.**	22 **7**	4	White cylindrical tower, red top.	**Radar reflector.**
13692 *G 5332*	Fiddle Reef.	48° 25.8′ N 123° 17.0′ W	**Q.W.R.**	23 **7**	7	White cylindrical tower.	R. 170°30′-216°, W.-013°20′, R.-062°, W.-170°30′. **Radar reflector.**
13696 *G 5333*	Mary Tod Island, breakwater.	48° 25.5′ N 123° 17.9′ W	**Fl.R.** period 4s	20 **6**	4	Mast.	
13700 *G 5328*	Trial Islands.	48° 23.7′ N 123° 18.3′ W	**Fl.G.** period 5s fl. 0.1s, ec. 4.9s	93 **28**	13	White cylindrical tower.	
13704 *G 5310*	-Brotchie Ledge.	48° 24.4′ N 123° 23.3′ W	**Fl.G.** period 4s	39 **12**	7	White cylindrical tower, green top.	
	VICTORIA:						
13708 *G 5312*	-Ogden Point, breakwater.	48° 24.8′ N 123° 23.6′ W	**Q.R.**	40 **12**	9	White tower, red top.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
13712 *G 5312.4*	-Berens Island.	48° 25.4′ N 123° 23.6′ W	**Q.G.**	20 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
	-AVIATION LIGHT.		**Q.W.**				Operates for 60 seconds. Activated by the Flight Services Station for aircraft landings and take-offs.
13716 *G 5320*	-Shoal Point, W. of shoal.	48° 25.4′ N 123° 23.3′ W	**Q.R.**	19 **6**	3	White cylindrical tower, red top, 19-pile dolphin.	**Radar reflector.**
	-AVIATION LIGHT.		**Q.W.**				Operates for 60 seconds. Activated by the Flight Services Station for aircraft landings and take-offs.
13720 *G 5322*	-Pelly Island.	48° 25.5′ N 123° 23.1′ W	**Fl.G.** period 4s	19 **6**	3	White cylindrical tower, green top.	
	-AVIATION LIGHT.		**Q.W.**				Operates for 60 seconds. Activated by the Flight Services Station for aircraft landings and take-offs.
13724 *G 5324*	-Laurel Point.	48° 25.5′ N 123° 22.6′ W	**Q.R.**	18 **6**	3	White cylindrical tower, red top.	**Radar reflector.**
	-AVIATION LIGHT.		**Q.W.**				Operates for 60s. Activated by the Flight Services Station for aircraft landings and take-offs.
13728 *G 5325*	-Tuzo Rock.	48° 25.5′ N 123° 22.5′ W	**Q.G.**	19 **6**	3	White cylindrical tower, green top.	**Radar reflector.**
13730 *G 5326.5*	-Point Hope Maritime Shipyard.	48° 25.9′ N 123° 22.5′ W	**Fl.W.**				Private light.
13732	*Victoria Harbor Buoy* VH.	48° 22.5′ N 123° 23.6′ W	**Fl.Y.** period 4s			Yellow buoy.	
	RACON		**K(– • –)**				
	ESQUIMALT:						
13736 *G 5307*	-Scroggs Rocks.	48° 25.6′ N 123° 26.3′ W	**Fl.R.** period 4s	20 **6**	5	White cylindrical tower, red top.	**Radar reflector.**
13740 *G 5306*	-Fisgard Island.	48° 25.8′ N 123° 26.9′ W	**Iso.W.R.** period 2s	71 **22**		White cylindrical tower. Floodlit.	R. 195°-332°, W.-195°. Shown 24 hours.
13744 *G 5308*	-Inskip Islands Range, front.	48° 26.5′ N 123° 26.3′ W	**F.Y.**	19 **6**	10	White mast, white trapezoidal daymark, red stripe.	
13748 *G 5308.1*	--Rear, 91 meters 015° from front.	48° 26.6′ N 123° 26.3′ W	**F.Y.**	35 **11**	10	White tripod skeleton tower, white trapezoidal daymark, red stripe.	
			BRITISH COLUMBIA-WASHINGTON				
13760 *G 5300*	**Race Rocks.**	48° 17.9′ N 123° 31.9′ W	**Fl.W.** period 10s fl. 0.3s, ec. 9.7s	118 **36**	**19**	Cylindrical tower, black and white bands.	**Horn:** 3 bl. ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 48s). Horn points 155°.

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			BRITISH COLUMBIA-WASHINGTON				
13764 *G 4772*	**New Dungeness.**	48° 10.9′ N 123° 06.6′ W	**Fl.W.** period 5s	67 **20**	**18**	White conical tower, on dwelling; 67.	
13768 *G 4768*	**Ediz Hook.**	48° 08.4′ N 123° 24.1′ W	**Al.Fl.(2)W.G.** period 10s G. fl. 0.1s, ec. 2.4s W. fl. 0.1s, ec. 2.4s W. fl. 0.1s, ec. 4.9s	50 **15**	W. **18** G. **16**	Skeleton tower.	**Horn:** (about 600 yards E.) 1 bl. ev. 30s (bl. 3s, si. 27s). Horn operates for 30 minutes when microphone is keyed 5 consecutive times on VHF-FM channel 83A (157.175 MHz).
	SOOKE HARBOR						
13772 *G 5296*	Whiffin Spit.	48° 21.5′ N 123° 42.7′ W	**Q.W.**	22 **7**	7	White cylindrical tower, green top.	**Horn:** 1 bl. ev. 30s (bl. 3s, si. 27s). Operates on request only.
13776 *G 5296.2*	-Harbor Outer Range, front.	48° 21.6′ N 123° 42.4′ W	**F.Y.**	9 **3**	9	Pile dolphin, white trapezoidal daymark, red stripe.	
13780 *G 5296.21*	--Rear, 101 meters 049° 44′ from front.	48° 21.6′ N 123° 42.3′ W	**F.Y.**	19 **6**	9	Pile dolphin, white trapezoidal daymark, red stripe.	
13784 *G 5296.3*	-Harbor Inner Range, front.	48° 21.8′ N 123° 42.6′ W	**F.Y.**	9 **3**	9	Pile dolphin, white trapezoidal daymark, red stripe.	
13788 *G 5296.31*	--Rear, 45 meters 007° 38′ from front.	48° 21.8′ N 123° 42.6′ W	**F.Y.**	16 **5**	9	Pile dolphin, white trapezoidal daymark, red stripe.	
13800 *G 5292*	Sheringham Point.	48° 22.6′ N 123° 55.2′ W	**Fl.G.** period 15s	72 **22**	9	White hexagonal tower; 64.	
13816 *G 4756*	Cape Flattery.	48° 23.5′ N 124° 44.2′ W	**Fl.(2)W.** period 20s	112 **34**	14	Skeleton tower; 30.	
13820 *G 5288*	**Carmanah Point.**	48° 36.7′ N 124° 45.1′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	182 **56**	**19**	White octagonal tower.	
13824 *G 5287*	Clo-oose.	48° 39.6′ N 124° 49.7′ W	**Fl.(2)W.** period 5s		2	Mast.	Private light.
13828 *G 5280*	Pachena Point.	48° 43.3′ N 125° 05.8′ W	**Fl.(2)W.** period 7.5s fl. 0.4s, ec. 1.2s fl. 0.4s, ec. 5.5s	154 **47**	14	White cylindrical tower.	
	BARKLEY SOUND:						
13832 *G 5279*	-Seabird Rocks.	48° 45.1′ N 125° 09.3′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	66 **20**	6	White cylindrical tower, red top.	**Radar reflector.**
13836 *G 5256*	**-Cape Beale,** entrance to sound, SE. point.	48° 47.2′ N 125° 12.9′ W	**Fl.W.** period 5s fl. 0.2s, ec. 4.8s	167 **51**	**16**	Red skeleton tower, white rectangular daymarks on three sides.	
	-Trevor Channel:						
13840 *G 5257*	--Bordelais Islets, on largest islet.	48° 49.1′ N 125° 13.9′ W	**Fl.W.** period 4s	93 **28**	7	White cylindrical tower, green top.	**Radar reflector.**
13848 *G 5256.4*	--Trevor Channel Entrance.	48° 48.7′ N 125° 10.9′ W	**Dir.W.R.G.**	44 **13**	8	White cylindrical tower.	F.R. 064°30′-068°30′, F.W.-076°30′, F.G.-080°30′.
			Fl.R. period 4s	54 **17**	5		Visible 360°.
13852 *G 5258*	--Aguilar Point.	48° 50.4′ N 125° 08.5′ W	**Q.W.R.**	16 **5**	4	White cylindrical tower, red top.	W. 055°30′-058°.

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			BRITISH COLUMBIA-WASHINGTON				
13856 *G 5259*	--Wizard Islet.	48° 51.5′ N 125° 09.6′ W	**Fl.(2)W.** period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	16 **5**	6	White mast.	
13860 *G 5260*	--San Jose Islets, on westerly islet.	48° 54.1′ N 125° 03.5′ W	**Fl.W.** period 4s	25 **8**	7	White cylindrical tower, red top.	**Radar reflector.**
13864 *G 5261*	--Assits Island, W. extremity.	48° 56.3′ N 125° 01.9′ W	**Q.R.**	14 **4**	4	White cylindrical tower, red top.	**Radar reflector.**
	-Alberni Inlet:						
13868 *G 5262*	--Chup Point, E. side.	48° 57.3′ N 125° 01.7′ W	**Fl.G.** period 4s	14 **4**	4	White cylindrical tower, green top.	**Radar reflector.**
13872 *G 5262.6*	--Limestone Islet.	48° 58.9′ N 124° 58.4′ W	**Q.W.**	28 **8**	6	White cylindrical tower.	**Radar reflector.**
13876 *G 5263*	--Star Point, S. side, opposite Handy Creek.	48° 58.6′ N 124° 56.8′ W	**Fl.W.** period 4s	17 **5**	5	White cylindrical tower, red top.	**Radar reflector.**
	For other lights of the U.S., see the U.S. Coast Guard Light Lists.						
			BRITISH COLUMBIA-CANADA				
	BARKLEY SOUND:						
	-Alberni Inlet:						
13880 *G 5264*	--Pocahontas Point.	48° 59.0′ N 124° 55.1′ W	**Q.G.**	20 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
13884 *G 5264.4*	--Spencer Creek.	48° 59.3′ N 124° 53.5′ W	**Fl.R.** period 4s	17 **5**	4	Mast, red and white triangular daymark point up.	
13888 *G 5265*	--Bilton Point.	49° 00.7′ N 124° 52.3′ W	**Fl.W.** period 4s	22 **7**	5	White cylindrical tower, green top.	**Radar reflector.**
13892 *G 5266*	--Ten Mile Point.	49° 03.6′ N 124° 50.4′ W	**Fl.R.** period 4s	27 **8**	5	White cylindrical tower, red top.	**Radar reflector.**
13896 *G 5267*	--Hocking Point.	49° 05.3′ N 124° 49.9′ W	**Fl.G.** period 4s	29 **9**	4	White cylindrical mast, green top.	**Radar reflector.**
13900 *G 5268*	--Franklin River.	49° 06.2′ N 124° 49.3′ W	**Q.R.**	25 **8**	5	White cylindrical tower, red top, nine-pile dolphin.	**Radar reflector.**
13904 *G 5269*	--Macktush Creek.	49° 06.6′ N 124° 49.3′ W	**Q.G.**	26 **8**	4	White cylindrical tower, green top, nine-pile dolphin.	**Radar reflector.**
13908 *G 5270*	--Dunsmuir Point.	49° 09.2′ N 124° 48.5′ W	**Fl.W.** period 4s	22 **7**	5	White cylindrical tower, green top.	**Radar reflector.**
13912 *G 5271*	--Stamp Narrows.	49° 11.0′ N 124° 49.3′ W	**Q.G.**	28 **9**	4	White cylindrical tower, green top, three-pile dolphin.	**Radar reflector.**
13916 *G 5272*	--Lone Tree Point.	49° 11.0′ N 124° 49.0′ W	**Q.R.**	25 **8**	4	White cylindrical tower, red top.	**Radar reflector.**
13920 *G 5273*	--Polly Point.	49° 13.0′ N 124° 49.0′ W	**Fl.R.** period 4s	14 **4**	4	White cylindrical tower, red top.	**Radar reflector.**
13924 *G 5274*	--Hohm Island.	49° 13.7′ N 124° 49.5′ W	**Fl.W.** period 4s	27 **8**	5	White cylindrical tower.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
13928 *G 5276*	--Alberni.	49° 14.3′ N 124° 49.3′ W	**Fl.G.** period 4s	13 **4**	4	Green mast, two black and white square daymarks, three-pile dolphin.	
13932 *G 5277*	--Somass River.	49° 14.7′ N 124° 49.5′ W	**Q.G.**	24 **7**	3	White cylindrical tower, green top, five-pile dolphin.	**Radar reflector.**
13936 *G 5255*	-Pill Point.	48° 57.9′ N 125° 04.9′ W	**Fl.R.** period 4s	36 **11**	4	White cylindrical tower, red top.	**Radar reflector.**
13940 *G 5254.5*	-Baeria Rocks.	48° 57.0′ N 125° 09.3′ W	**Fl.W.** period 4s	40 **12**	5	White mast.	
13944 *G 5254.1*	-Prideaux Island, Sechart Channel.	48° 56.6′ N 125° 16.2′ W	**Fl.G.** period 4s	17 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
13948 *G 5254*	-Swale Rock, E. entrance to Sechart Channel, S. side.	48° 55.5′ N 125° 13.3′ W	**Fl.(3)W.** period 12s	30 **9**	5	White cylindrical tower.	**Radar reflector.**
13952 *G 5253.5*	-Folger Island.	48° 49.8′ N 125° 15.0′ W	**Fl.(3)R.** period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	132 **40**	5	White cylindrical tower.	**Radar reflector.**
13956 *G 5254.2*	-Hand Island.	48° 57.1′ N 125° 18.5′ W	**Fl.W.** period 4s	10 **3**	5	White mast.	
13960 *G 5252*	-Hand Island Passage.	48° 56.7′ N 125° 19.6′ W	**Q.W.**	30 **9**	4	White cylindrical tower, green top.	**Radar reflector.**
13964 *G 5254.3*	-Lyall Point.	48° 58.2′ N 125° 19.4′ W	**Q.R.**	29 **9**	4	White cylindrical tower, red top.	**Radar reflector.**
13968 *G 5252.2*	-Richard Rock.	48° 59.3′ N 125° 19.7′ W	**Fl.G.** period 4s fl. 0.5s, ec. 3.5s	23 **7**	4	White cylindrical tower, green top.	**Radar reflector.**
13972 *G 5252.4*	-Shears Island.	49° 00.0′ N 125° 19.5′ W	**Fl.R.** period 4s	22 **7**	4	White cylindrical tower, red top.	**Radar reflector.**
13976 *G 5252.6*	-Toquart Bay.	49° 00.7′ N 125° 20.4′ W	**Q.G.**	18 **6**	4	White cylindrical tower, green top.	**Radar reflector.**
13980 *G 5251*	-Forbes Island.	48° 56.9′ N 125° 24.6′ W	**Q.R.**	42 **13**	4	White cylindrical tower, red top.	**Radar reflector.**
13984 *G 5250*	-Benson Island.	48° 53.1′ N 125° 22.7′ W	**Q.G.**	26 **8**	3	White cylindrical tower, green top.	**Radar reflector.**
13988 *G 5253*	-Coaster Channel.	48° 53.0′ N 125° 19.2′ W	**Fl.W.** period 4s	19 **6**	5	White cylindrical tower.	**Radar reflector.**
13992 *G 5249*	-Chrow Islands, on N. island.	48° 54.6′ N 125° 28.3′ W	**Fl.W.** period 4s	31 **10**	7	Mast.	
13996 *G 5247*	-Francis Island.	48° 55.3′ N 125° 31.4′ W	**Fl.(3)W.** period 12s	26 **8**	7	White mast.	
14000 *G 5246*	**-Amphitrite Point.**	48° 55.3′ N 125° 32.5′ W	**Fl.W.** period 12s fl. 0.2s, ec. 11.8s	50 **15**	**15**	White rectangular tower, red top.	Shown 24 hours. **Horn:** 1 bl. ev. 20s (bl. 2s, si. 18s).
	CLAYOQUOT SOUND:						
14004 *G 5242*	**-Lennard Island.**	49° 06.6′ N 125° 55.4′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	115 **35**	**17**	White cylindrical tower, red top.	Shown 24 hours.
14011 *G 5241.75*	-Wickaninnish Island.	49° 08.5′ N 125° 56.0′ W	**Fl.W.** period 4s		4	White mast, green, white and black square daymark.	
14014 *G 5241.7*	-Tofino, breakwater.	49° 09.3′ N 125° 54.0′ W	**Fl.W.** period 4s	19 **6**	5	Mast, red and white triangular daymark point up.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
14020 *G 5241*	-Deadman Islands.	49° 09.7′ N 125° 54.5′ W	**Fl.R.** period 4s	16 **5**	4	Mast.	
14024 *G 5240.4*	-Stockham Island.	49° 10.3′ N 125° 54.5′ W	**Fl.R.** period 4s	17 **5**	4	White cylindrical tower, red top.	**Radar reflector.**
14028 *G 5240*	-Maurus Channel, on rock E. side of channel.	49° 12.2′ N 125° 55.8′ W	**Fl.R.** period 4s	19 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
14032 *G 5238*	-Morfee Island.	49° 13.1′ N 125° 57.3′ W	**Q.W.**	27 **8**	6	White cylindrical tower, green top.	**Radar reflector.**
14036 *G 5234*	-Monks Islet, W. entrance to Calmus Passage, N. side.	49° 13.9′ N 126° 01.0′ W	**Fl.(3)W.** period 12s	47 **14**	7	Mast.	
14040 *G 5231*	-Tibbs Islet.	49° 13.8′ N 126° 06.6′ W	**Fl.W.** period 4s	36 **11**	7	White mast.	
14044 *G 5233*	-Marktosis.	49° 16.7′ N 126° 03.7′ W	**Fl.W.** period 4s	15 **5**	5	White cylindrical tower.	**Radar reflector.**
14048 *G 5232*	-Matilda Inlet, outer edge of reef, W. side of entrance.	49° 18.2′ N 126° 04.4′ W	**Fl.W.** period 4s	17 **5**	5	White cylindrical tower, red top.	**Radar reflector.**
14052 *G 5231.4*	-McKay Island.	49° 18.7′ N 126° 03.5′ W	**Fl.R.** period 4s	33 **10**	4	White cylindrical tower, red top.	**Radar reflector.**
14056 *G 5230*	-Hayden Passage, on rock in middle of pass.	49° 23.7′ N 126° 06.4′ W	**Fl.R.** period 4s	18 **6**	5	White cylindrical tower, red top.	**Radar reflector.**
14060 *G 5229.4*	-Clio Island.	49° 23.6′ N 126° 11.0′ W	**Fl.W.** period 4s	58 **18**	5	Mast, red and white triangular daymark point up.	
14064 *G 5226.4*	-Starling Point.	49° 23.6′ N 126° 13.8′ W	**Q.W.**	20 **6**	4	White cylindrical tower.	**Radar reflector.**
14068 *G 5226.2*	-Sharp Point.	49° 20.9′ N 126° 15.6′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	93 **28**	10	White cylindrical tower.	**Horn:** 1 bl. ev. 30s (bl. 3s, si. 27s).
14070 *G 5226*	-Mate Island.	49° 21.0′ N 126° 16.1′ W	**Q.W.**	31 **10**	6	White cylindrical tower, green top.	**Radar reflector.**
14072 *G 5226.6*	-Driver Point, entrance to Stewardson Inlet.	49° 26.7′ N 126° 16.1′ W	**Q.W.**	22 **7**	6	White cylindrical tower.	**Radar reflector.**
14084 *G 5224*	**Estevan Point.**	49° 23.0′ N 126° 32.7′ W	**Fl.(2)W.** period 15s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 9.8s	123 **38**	**17**	White octagonal tower.	Shown 24 hours.
	NOOTKA SOUND:						
14088 *G 5219*	**-Nootka.**	49° 35.5′ N 126° 36.9′ W	**Fl.W.** period 12s fl. 0.2s, ec. 11.8s	101 **31**	**19**	Red square skeleton tower.	Shown 24 hours.
14092 *G 5217.4*	-Vernaci Island.	49° 38.2′ N 126° 35.6′ W	**Fl.(3)W.** period 12s	26 **8**	5	White mast.	
14096 *G 5217*	-Boston Point.	49° 39.7′ N 126° 36.8′ W	**Fl.G.** period 4s	25 **8**	4	White cylindrical tower, green top.	
14100 *G 5216.4*	-Salter Point.	49° 40.9′ N 126° 35.2′ W	**Q.G.**	21 **6**	4	White cylindrical tower, green top.	
14104 *G 5215.6*	-Jewitt Cove.	49° 41.9′ N 126° 36.1′ W	**Fl.W.** period 4s	21 **6**	5	White mast.	
14108 *G 5216*	-Canal Island.	49° 41.3′ N 126° 35.1′ W	**Fl.R.** period 4s	18 **6**	4	White cylindrical tower, red top.	
14112 *G 5218.3*	-San Carlos Point.	49° 41.1′ N 126° 31.3′ W	**Q.W.**	20 **6**	6	White cylindrical tower.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
14116 *G 5220*	-Zuciarte Channel, E. side of Bligh Island.	49° 39.1′ N 126° 29.0′ W	**Fl.(3)W.** period 12s	21 **6**	5	White cylindrical tower, green top.	**Radar reflector.**
14120 *G 5219.6*	-Zuciarte Channel South.	49° 35.7′ N 126° 31.3′ W	**Fl.R.** period 4s	31 **9**	4	White cylindrical tower, red top.	**Radar reflector.**
14124 *G 5220.2*	-Atrevida Point.	49° 39.2′ N 126° 26.5′ W	**Q.G.**	21 **6**	3	White cylindrical tower, green top.	**Radar reflector.**
14128 *G 5220.4*	-Gore Island West.	49° 38.9′ N 126° 26.0′ W	**Q.R.**	24 **7**	4	White cylindrical tower, red top.	**Radar reflector.**
14132 *G 5220.6*	-Gore Island.	49° 39.3′ N 126° 23.6′ W	**Fl.R.** period 4s	21 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
14136 *G 5221*	-Muchalat Inlet.	49° 38.7′ N 126° 20.9′ W	**Q.G.**	18 **6**	3	White cylindrical tower, green top.	**Radar reflector.**
14140 *G 5221.2*	--E.	49° 39.1′ N 126° 15.8′ W	**Fl.G.** period 4s	18 **5**	3	White cylindrical tower, green top.	**Radar reflector.**
14144 *G 5221.4*	--S. shore.	49° 39.2′ N 126° 12.9′ W	**Fl.R.** period 4s	23 **7**	4	White cylindrical tower, red top.	**Radar reflector.**
14148 *G 5219.4*	-Clerke Peninsula.	49° 36.1′ N 126° 32.3′ W	**Fl.W.** period 4s	40 **12**	5	White mast.	
	ESPERANZA INLET:						
14160 *G 5204*	-Nuchatlitz.	49° 49.2′ N 126° 58.9′ W	**Fl.W.** period 4s	37 **11**	5	White cylindrical tower.	**Radar reflector.**
14164 *G 5206*	-Double Island.	49° 50.6′ N 126° 59.9′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	33 **10**	7	White cylindrical tower, green top.	
14168 *G 5206.4*	-Centre Island.	49° 50.9′ N 126° 56.1′ W	**Fl.R.** period 4s	22 **7**	5	White cylindrical tower, red top.	**Radar reflector.**
14172 *G 5206.6*	-Ehatisaht, on point.	49° 52.8′ N 126° 49.5′ W	**Fl.W.** period 4s	22 **7**	5	Mast; 7.	
14176 *G 5207*	-Steamer Point.	49° 53.2′ N 126° 47.9′ W	**Q.W.**	18 **6**	6	White cylindrical tower.	**Radar reflector.**
14180 *G 5207.6*	Zeballos Inlet, S.	49° 54.4′ N 126° 48.0′ W	**Fl.G.** period 4s	24 **7**	5	White cylindrical tower, green top.	**Radar reflector.**
14184 *G 5209*	-N. side.	49° 57.6′ N 126° 50.8′ W	**Q.R.**	21 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
14188 *G 5208*	-W. side of inlet, on islet.	49° 56.8′ N 126° 49.0′ W	**Q.W.**	43 **13**	6	White cylindrical tower, green top.	**Radar reflector.**
14192 *G 5210*	Tahsis North Narrows, NE. side.	49° 51.9′ N 126° 42.5′ W	**Q.W.**	20 **6**	4	White cylindrical tower, red top.	**Radar reflector.**
14196 *G 5210.4*	-Narrows, S. side.	49° 51.6′ N 126° 41.5′ W	**Fl.(2)W.** period 6s	19 **6**	5	White cylindrical tower, green top.	**Radar reflector.**
14200 *G 5211*	-Narrows, E. entrance.	49° 51.6′ N 126° 40.4′ W	**Fl.W.** period 4s	20 **6**	5	White cylindrical tower.	**Radar reflector.**
14208 *G 5213*	-Santiago.	49° 47.3′ N 126° 39.3′ W	**Fl.W.** period 4s	19 **6**	5	White mast, white, black and green square daymark.	
14212 *G 5214*	-Tsowwin Narrows, E. side, on spit.	49° 46.6′ N 126° 38.6′ W	**Q.R.**	13 **4**	3	Mast, red and white triangular daymark point up, nine-pile dolphin.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
14216 *G 5214.2*	-Tsowwin Narrows West.	49° 46.4′ N 126° 38.7′ W	**Q.G.**	19 **6**	4	White cylindrical tower, green top.	
14220 *G 5214.6*	-Bodega Island.	49° 44.2′ N 126° 37.4′ W	**Fl.R.** period 4s	16 **5**	4	White mast.	
14224 *G 5215*	-Princesa Channel, at E. entrance.	49° 43.4′ N 126° 37.6′ W	**Fl.G.** period 4s	16 **5**	4	White cylindrical tower, green top.	
14228 *G 5215.4*	-Kendrick Inlet.	49° 43.1′ N 126° 38.5′ W	**Fl.W.** period 4s	13 **4**	5	Mast.	
14236 *G 5202.6*	Rugged Point.	49° 58.2′ N 127° 15.1′ W	**Fl.W.** period 4s	46 **14**	7	Mast, red and white triangular daymark point up.	
	TAHSISH INLET:						
14240 *G 5203*	-Karouk Island, W. side of island.	50° 04.6′ N 127° 09.7′ W	**Fl.W.** period 4s	24 **7**	5	White cylindrical tower.	**Radar reflector.**
14244 *G 5203.2*	-Fair Harbor Approach.	50° 04.5′ N 127° 09.4′ W	**Fl.G.** period 4s	17 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
14248 *G 5203.4*	-Fair Harbor.	50° 04.1′ N 127° 08.6′ W	**Fl.W.** period 4s	29 **9**	5	White cylindrical tower.	**Radar reflector.**
14252 *G 5202*	Amos Island.	50° 00.8′ N 127° 21.2′ W	**Fl.W.** period 4s	23 **7**	3	White cylindrical tower.	**Radar reflector.**
14254 *G 5201*	Rolston Island.	50° 01.3′ N 127° 22.0′ W	**Fl.R.** period 4s	16 **5**	3	Mast, red and white triangular daymark point up.	
14256 *G 5200*	Gayward Rock.	50° 01.3′ N 127° 23.5′ W	**Q.W.**	27 **8**	6	White cylindrical tower.	**Radar reflector.**
14260 *G 5198*	Lookout Island.	49° 59.9′ N 127° 27.0′ W	**Fl.G.** period 4s	52 **16**	8	White cylindrical tower, green top.	
14264 *G 5194*	Solander Island.	50° 06.6′ N 127° 56.4′ W	**Fl.W.** period 10s fl. 1s, ec. 9s	309 **94**	11	White cylindrical tower.	
14268 *G 5192*	Donald Islets, Brooks Bay.	50° 13.9′ N 127° 48.5′ W	**Fl.(2)W.** period 6s	90 **27**	5	Mast.	
14272 *G 5191*	Rugged Islands, N. point of N. island.	50° 19.2′ N 127° 55.1′ W	**Fl.W.** period 4s	33 **10**	5	White mast.	
	QUATSINO SOUND:						
14276 *G 5178*	**-Kains Island.**	50° 26.5′ N 128° 02.0′ W	**Fl.W.** period 5s fl. 0.1s, ec. 4.9s	93 **28**	**18**	White cylindrical tower.	Visible 224°-104°. Shown 24 hours.
14280 *G 5190.4*	-Greenwood Point.	50° 30.6′ N 128° 01.6′ W	**Q.G.**	22 **7**	4	White cylindrical tower, green top.	**Radar reflector.**
14284 *G 5179*	-Cliffe Point.	50° 27.9′ N 127° 56.3′ W	**Fl.W.** period 4s	36 **11**	7	White cylindrical tower, red top.	**Radar reflector.**
14288 *G 5180*	-Bedwell Island, S. end of islet.	50° 28.6′ N 127° 53.7′ E	**Fl.G.** period 4s	29 **9**	5	White cylindrical tower, green top.	**Radar reflector.**
14292 *G 5180.4*	-Koskimo Island.	50° 28.6′ N 127° 51.3′ W	**Q.R.**	14 **4**	4	White cylindrical tower, red top.	**Radar reflector.**
14296 *G 5181*	-Brockton Island.	50° 29.3′ N 127° 46.3′ W	**Fl.R.** period 4s	18 **6**	4	White cylindrical tower, red top.	**Radar reflector.**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			BRITISH COLUMBIA-CANADA				
14300 *G 5182*	-Ildstad Islands.	50° 30.9′ N 127° 41.8′ W	**Fl.W.** period 4s	19 **6**	5	White mast.	
14304 *G 5184*	-Leeson Point.	50° 32.1′ N 127° 37.6′ W	**Q.G.**	16 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
14308 *G 5189.4*	-McNiffe Rock.	50° 31.3′ N 127° 36.7′ W	**Fl.W.** period 4s	15 **5**	5	White cylindrical tower, green top.	**Radar reflector.**
14312 *G 5186*	-Ohlsen Point.	50° 32.1′ N 127° 34.2′ W	**Q.G.**	15 **5**	3	White cylindrical tower, green top.	**Radar reflector.**
14316 *G 5188*	-Makwazniht Island.	50° 33.4′ N 127° 33.3′ W	**Q.W.**	10 **3**	4	White mast.	
14320 *G 5189*	-Straggling Islands.	50° 35.7′ N 127° 42.1′ W	**Fl.W.** period 4s	18 **6**	5	White cylindrical tower, red top.	**Radar reflector.**
14324 *G 5190.2*	-Mist Rock.	50° 25.8′ N 127° 30.1′ W	**Fl.(2+1)G.** period 6s	18 **5**	4	White cylindrical tower, green top.	**Radar reflector.**
14328 *G 5190*	-Frigon Islets.	50° 25.1′ N 127° 29.6′ W	**Fl.W.** period 4s	17 **5**	5	White mast.	
14332 *G 5174*	Sea Otter Cove.	50° 40.3′ N 128° 21.1′ W	**Fl.W.** period 4s	18 **6**	5	Mast.	
14336 *G 5172*	**Cape Scott.**	50° 46.9′ N 128° 25.6′ W	**Fl.W.** period 10s fl. 0.2s, ec. 9.8s	229 **70**	**19**	Square skeleton tower.	Shown 24 hours.

Section 14

West Coast of Central America

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14338 *G 3635.5*	**Tijuana.**	32° 31.8′ N 117° 07.0′ W	**Fl.(3)W.** period 6s	131 **40**	**20**	White cylindrical concrete tower; 72.	
14340 *G 3636*	Mexican Boundary AVIATION LIGHT.	32° 30.3′ N 117° 00.4′ W	**Fl.W.**				Occasional.
14344 *G 3634*	Islas Los Coronados.	32° 25.0′ N 117° 14.9′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	387 **118**	10	White cylindrical concrete tower; 33.	Visible 263°-155°, partially obscured by islands.
	RACON		**C(– • – •)**		**20**		(3 & 10cm).
14348 *G 3635*	-Island, S. end.	32° 23.5′ N 117° 14.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	173 **53**	10	White octagonal concrete tower; 20.	
14348.25	Costa Azul LNG facility N. range, front.	31° 59.2′ N 116° 51.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	55 **17**	10	White round tower, red rectangular daymark, white stripe; 55.	
14348.26	-Rear.	31° 59.2′ N 116° 51.2′ W	**Iso.R.** period 2s	82 **25**	10	White round tower, red rectangular daymark, white stripe; 74.	
14348.27	-S. range, front.	31° 59.1′ N 116° 51.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	55 **17**	10	White round tower, red rectangular daymark, white stripe; 55.	
14348.28	--Rear.	31° 59.2′ N 116° 51.1′ W	**Iso.W.** period 2s	74 **22**	10	White round tower, red rectangular daymark, white stripe; 74.	
14348.5 *G 3630*	Punta San Miguel.	31° 54.4′ N 116° 45.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	167 **51**	10	White cylindrical concrete tower; 20.	
14349 *G 3629.4*	-El Sauzal Range, front.	31° 53.7′ N 116° 42.4′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	66 **20**	13	White truncated pyramidal metal tower, red bands; 36.	
14350 *G 3629.41*	--Rear.	31° 53.8′ N 116° 42.4′ W	**Iso.W.** period 2s	75 **23**	13	White truncated pyramidal metal tower, red bands; 52.	
14353 *G 3629.5*	-E. breakwater.	31° 53.6′ N 116° 42.1′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	7	Truncated pyramidal aluminum tower; 23.	
14355 *G 3629.7*	-W. breakwater.	31° 53.5′ N 116° 42.2′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	39 **12**	7	Round metal tower; 23.	
14360 *G 3629*	Punta Morro.	31° 51.7′ N 116° 40.1′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	52 **16**	10	White hexagonal concrete tower; 20.	
	ENSENADA:						
14360.5 *G 3626.05*	-Entrance range, front.	31° 51.2′ N 116° 37.3′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	43 **13**	9	Beacon, orange triangular daymark point up; 43.	
14360.6 *G 3626.06*	--Rear, 365 meters, 006° from front.	31° 51.4′ N 116° 37.3′ W	**Iso.W.** period 2s	66 **20**	9	Beacon; 66.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14361 *G 3629.1*	-E. breakwater.	31° 51.6′ N 116° 39.6′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	5	Round metal tower; 23.	
14362 *G 3629.2*	-W. breakwater.	31° 51.7′ N 116° 39.6′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	5	Round metal tower; 23.	
14364 *G 3620*	**Islas de Todos Santos.**	31° 48.7′ N 116° 48.5′ W	**Fl.W.** period 12s	157 **48**	**22**	White truncated conical tower, red bands; 82.	
	RACON		**X(– • • –)**		**20**		(3 & 10cm).
14368 *G 3621*	-S. island, S. end.	31° 47.5′ N 116° 47.2′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	102 **31**	10	White cylindrical concrete tower; 23.	
14372 *G 3626*	Puerto de Ensenada, W. breakwater, head.	31° 50.6′ N 116° 37.5′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	69 **21**	7	Green truncated pyramidal metal tower; 39.	
14373 *G 3626.2*	-E. breakwater, head.	31° 50.6′ N 116° 37.3′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	7	Red beacon; 20.	
14373.5 *G 3626.15*	--Extension.	31° 50.5′ N 116° 37.3′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	46 **14**	5	Red truncated pyramidal tower; 23.	
14376 *G 3622*	Punta Banda.	31° 44.9′ N 116° 44.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 **25**	10	White truncated pyramidal masonry tower; 20.	
14380 *G 3619.5*	Punta San Jose.	31° 27.8′ N 116° 35.8′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	98 **30**	10	White cylindrical concrete tower; 33.	
14384 *G 3619*	Cabo Colnet.	30° 57.7′ N 116° 19.8′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	223 **68**	10	Truncated pyramidal aluminum tower; 20.	
14388 *G 3618*	Isla de San Martin.	30° 29.1′ N 116° 07.3′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	161 **49**	10	White truncated pyramidal aluminum tower; 33.	
14392 *G 3617*	Punta Azufre.	30° 23.9′ N 115° 59.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 **12**	9	Truncated pyramidal aluminum tower; 33.	
14393 *G 3616.8*	Punta Entrada.	30° 21.9′ N 116° 00.3′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	46 **14**	10	Truncated pyramidal aluminum tower; 23.	
14394 *G 3616.4*	Punta Baja.	29° 56.8′ N 115° 48.7′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 **17**	10	Truncated pyramidal aluminum tower; 33.	
14396 *G 3616*	Isla San Jeronimo.	29° 47.4′ N 115° 47.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	161 **49**	11	White hexagonal concrete tower; 20.	
	RACON		**Z(– – • •)**		**20**		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14400 *G 3613.5*	Isla Guadalupe.	28° 59.1′ N 118° 18.8′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	217 **66**	10	Truncated pyramidal aluminum tower; 39.	
14401 *G 3613.6*	-N. side.	29° 10.3′ N 118° 16.2′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 **25**	9	Truncated pyramidal aluminum tower; 39.	
14402 *G 3613.7*	-S. side.	28° 53.3′ N 118° 17.2′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	233 **71**	10	Truncated pyramidal aluminum tower; 39.	
14404 *G 3615.5*	San Jose.	29° 17.0′ N 114° 51.8′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	66 **20**	10	White round concrete tower; 23.	
14405 *G 3615.4*	Punta Blanca.	29° 06.0′ N 114° 42.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 **25**	10	Truncated pyramidal aluminum tower; 23.	
14408 *G 3615.3*	Punta Negra.	28° 48.9′ N 114° 23.6′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	66 **20**	10	White cylindrical concrete tower; 33.	
14409 *G 3615*	Morro de Santo Domingo.	28° 15.5′ N 114° 07.4′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	148 **45**	10	White cylindrical concrete tower; 33.	
14412 *G 3613*	**Islas San Benito.**	28° 19.0′ N 115° 35.7′ W	**Fl.(3)W.** period 20s	689 **210**	**30**	White cylindrical concrete tower; 16.	Visible 060°-120°.
	RACON		**B(– • • •)**		**25**		(3 & 10cm).
14414 *G 3612.5*	**-SW.**	28° 18.3′ N 115° 35.7′ W	**Fl.(3)W.** period 20s	699 **213**	**20**		
14416 *G 3612*	-S.	28° 18.2′ N 115° 35.2′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	174 **53**	9	White cylindrical masonry tower; 13.	
	ESTERO DE SAN JOSE (LAGUNA DE GUERRERO NEGRO):						
14424 *G 3614*	-Range No 1, front.	28° 05.9′ N 114° 06.7′ W	**F.Y.**			Red triangular daymark point down.	S. side of channel is marked by range of black and white banded towers showing F.Bu.G. lights.
14428 *G 3614.1*	--Rear, 495 meters 124°05′ from front.	28° 05.7′ N 114° 06.4′ W	**F.Y.**			Red triangular daymark point up.	N. side of channel is marked by range of beacons with black triangular daymarks showing F.W. lights. When dredging, temporary F.W. range lights are shown to northward of above. Lights are moved as channel over bar changes.
14432 *G 3614.3*	-Range No 2, front.	28° 04.2′ N 114° 07.2′ W	**F.G.**			Wooden tower, black diamond daymark; 49.	
14436 *G 3614.31*	--Rear, 305 meters 187° from front.	28° 04.0′ N 114° 07.2′ W	**Q.W.**			Wooden tower, black rectangular daymark; 49.	
14440 *G 3614.5*	-Range No 3, front.	28° 02.0′ N 114° 07.0′ W	**F.G.**			Black beacon, black rectangular daymark.	
14444 *G 3614.51*	--Rear, 393 meters 164°07′ from front.	28° 02.2′ N 114° 06.0′ W	**Q.W.**			Black beacon, black diamond daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14448 *G 3611.8*	Isla Cedros.	28° 21.9′ N 115° 11.6′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	148 **45**	10	White truncated pyramidal masonry tower; 23.	
14449 *G 3611*	-Breakwater.	28° 22.0′ N 115° 12.0′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	5	Truncated pyramidal aluminum tower; 23.	
14450 *G 3611.2*	-Pier.	28° 22.0′ N 115° 12.0′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	16 **5**	8	Truncated pyramidal aluminum tower; 23.	
14452 *G 3609*	-Punta del Morro Redondo.	28° 02.6′ N 115° 11.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	72 **22**	10	Truncated pyramidal aluminum tower; 28.	
14456 *G 3606*	**Isla Natividad.**	27° 52.4′ N 115° 10.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	367 **112**	**20**	White cylindrical concrete tower; 52.	Visible 137°-122°.
14460 *G 3604*	Punta Eugenia.	27° 50.7′ N 115° 04.8′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	66 **20**	10	White truncated pyramidal masonry tower; 20.	Visible 113°-090°.
14464 *G 3602.4*	Punta Kelp.	27° 39.9′ N 114° 54.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 **18**	10	Truncated pyramidal metal tower; 23.	
14466 *G 3603*	Tortugas.	27° 41.6′ N 114° 53.3′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 **16**	10	Truncated pyramidal aluminum tower; 20.	
14472 *G 3602*	Roca Atand.	27° 39.3′ N 114° 52.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	82 **25**	10	Truncated pyramidal metal tower; 23.	
14476 *G 3601*	Isla San Roque.	27° 08.8′ N 114° 22.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	92 **28**	10	White round concrete tower; 23.	
14477 *G 3600.9*	Isla Asuncion.	27° 06.0′ N 114° 17.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	30 **9**	10	Truncated pyramidal aluminum tower; 26.	
14478 *G 3600.8*	San Hipolito.	26° 58.5′ N 113° 59.1′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 **14**	10	White cylindrical concrete tower, red bands; 33.	Visible 128°-297°.
14480 *G 3600*	Punta Abreojos.	26° 45.0′ N 113° 34.2′ W	**Fl.(3)W.** period 12s	82 **25**	10	White cylindrical concrete tower; 72.	Visible 117°-278°.
14484 *G 3599.9*	Bahia de Ballenas.	26° 43.5′ N 113° 32.8′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	10	Truncated pyramidal aluminum tower; 26.	
14488 *G 3599*	Punta Pequena.	26° 14.1′ N 112° 29.6′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	49 **15**	10	White round metal tower, red bands; 26.	
14492 *G 3598.7*	Boca de Pabellon.	25° 50.0′ N 112° 07.8′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 **13**	10	White cylindrical concrete tower, red bands; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14493 *G 3598.6*	Boca de Santo Domingo.	25° 36.4′ N 112° 05.7′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	43 **13**	10	White cylindrical concrete tower, red bands; 33.	
14496 *G 3598.55*	Boca de Soledad.	25° 17.2′ N 112° 07.3′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	10	White round concrete tower; 33.	
14496.5 *G 3598.5*	Puerto Lopez.	25° 11.9′ N 112° 08.8′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	43 **13**	10	White cylindrical concrete tower, red bands.	
14500 *G 3598*	Cabo San Lazaro.	24° 47.6′ N 112° 18.1′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	230 **70**	10	White four-sided masonry tower, dwelling; 23.	Visible 319°-202°.
	RACON		**Y(– • – –)**		**20**		(3 & 10cm).
14504 *G 3593*	-Punta Redonda.	24° 30.9′ N 112° 00.3′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	62 **19**	10	White truncated pyramidal tower; 30.	Visible 330°-242°.
	BAHIA MAGDALENA:						
14508 *G 3596*	-Puerto Magdalena.	24° 38.2′ N 112° 08.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 **17**	10	Truncated pyramidal aluminum tower; 26.	
14512 *G 3597*	-Puerto de San Carlos, Muelle Fiscal.	24° 47.2′ N 112° 07.3′ W	**Iso.W.** period 2s	39 **12**	10	Four-sided metal tower; 49.	
14516 *G 3594*	-Isla Mangrove Range, front.	24° 32.5′ N 111° 48.8′ W	**Fl.W.** period 3s fl. 0.5s, ec. 2.5s	36 **11**	10	White truncated pyramidal metal tower; 72.	
14520 *G 3594.1*	--Rear, 233 meters 088° from front.	24° 32.5′ N 111° 48.7′ W	**Iso.W.** period 2s	46 **14**	10	White truncated pyramidal steel tower; 89.	
14522 *G 3595.4*	-Puerto Cortes, W. pier.	24° 28.4′ N 111° 49.1′ W	**F.R.**	26 **8**	10	White concrete tower; 16.	
14524 *G 3595*	--Range, front.	24° 27.7′ N 111° 48.3′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	39 **12**	10	White truncated pyramidal tower; 30.	
14528 *G 3595.1*	---Rear, 843 meters 154° from front.	24° 27.4′ N 111° 48.1′ W	**Iso.W.** period 2s	56 **17**	10	White truncated pyramidal metal tower; 39.	
14532 *G 3592*	Punta Tosca.	24° 18.6′ N 111° 42.7′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	266 **81**	10	White four-sided concrete tower, masonry dwelling.	Visible 191°-118°.
14536 *G 3591.7*	Arroyo Conejo.	24° 04.6′ N 111° 00.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	10	Truncated pyramidal aluminum tower; 26.	
14538 *G 3591.6*	Punta Marquiz.	23° 57.6′ N 110° 52.4′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	39 **12**	10	Truncated pyramidal metal tower; 30.	
14540 *G 3591.5*	Los Inocentes.	23° 46.1′ N 110° 40.9′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	10	Truncated pyramidal aluminum tower; 26.	
14544 *G 3591*	Todos Santos.	23° 26.9′ N 110° 14.7′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	43 **13**	10	White cylindrical concrete tower, black bands; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14548 *G 3586*	**Cabo Falso.**	22° 52.7′ N 109° 57.6′ W	**Fl.W.** period 6s	623 **190**	**30**	Red hexagonal tower, white bands; 20.	Visible 270°-130°. Reserve light range 10M.
	RACON		**F(• • – •)**		**20**		Azimuth coverage 270°-130°. (3 & 10cm).
14549 *G 3589.1*	-N. breakwater.	22° 52.9′ N 109° 54.3′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	10	Red truncated pyramidal metal tower; 46.	
14550 *G 3589.2*	-S. breakwater.	22° 52.8′ N 109° 54.3′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	10	Green truncated pyramidal metal tower; 46.	
14553 *G 3590*	**-Cabo San Lucas** Range, front.	22° 52.8′ N 109° 54.7′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	85 **26**	**15**	Tower on roof of hotel.	
14554 *G 3590.1*	--Rear, 268 meters 268° from front.	22° 52.8′ N 109° 54.9′ W	**Iso.W.** period 2s	125 **38**	**15**	White truncated pyramidal metal tower; 26.	
14556 *G 3585*	Cabeza Ballena.	22° 54.2′ N 109° 50.6′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	131 **40**	10	White cylindrical concrete tower; 33.	
14560 *G 3584*	**San Jose del Cabo.**	23° 03.9′ N 109° 39.9′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	118 **36**	**15**	White cylindrical concrete tower, red bands; 33.	
14561 *G 3584.1*	-East breakwater.	23° 03.4′ N 109° 40.2′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	43 **13**	6	Red round iron tower; 13.	
14561.5 *G 3584.11*	-West breakwater.	23° 03.3′ N 109° 40.3′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	43 **13**	6	Green round iron tower; 13.	
14562 *G 3584.4*	-East jetty.	23° 03.5′ N 109° 40.3′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	26 **8**	4	Red round iron tower; 26.	
14562.5 *G 3584.41*	-West jetty.	23° 03.5′ N 109° 40.3′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	26 **8**	4	Green round iron tower; 26.	
14563 *G 3584.2*	-Entrance range, front.	23° 03.5′ N 109° 40.3′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	33 **10**	6	White round iron tower; 26.	
14563.1 *G 3584.21*	--Rear.	23° 03.6′ N 109° 40.3′ W	**Iso.W.** period 2s	36 **11**	6	White round iron tower; 26.	
14563.5 *G 3584.3*	-Inner range, front.	23° 03.8′ N 109° 40.5′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	23 **7**	6	White round iron tower; 16.	
14563.6 *G 3584.31*	--Rear.	23° 03.9′ N 109° 40.5′ W	**Iso.W.** period 2s	33 **10**	6	White round iron tower; 10.	
14564 *G 3582*	Boca del Tule.	23° 14.3′ N 109° 26.4′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	59 **18**	10	Red truncated pyramidal metal tower; 39.	
14568 *G 3580*	Punta Arena, Sur.	23° 33.3′ N 109° 28.4′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	66 **20**	10	White truncated conical concrete tower, black bands; 39.	Visible 150°-324°.
14572 *G 3578*	**Punta Arena de la Ventana.**	24° 03.3′ N 109° 49.8′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	49 **15**	**18**	White cylindrical concrete tower, red bands; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14576 *G 3576*	Piedras Gordas, on SW. point of Isla Cerralvo.	24° 09.2′ N 109° 51.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	69 **21**	10	Truncated pyramidal aluminum tower; 39.	
14577 *G 3576.3*	-S. point.	24° 08.2′ N 109° 47.5′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	164 **50**	10	Truncated pyramidal metal tower; 30.	
14578 *G 3575.8*	-N. point.	24° 22.5′ N 109° 55.4′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	56 **17**	10	Aluminum tower; 26.	
14580 *G 3577*	Bahia la Ventana, S. of Punta Gorda.	24° 06.9′ N 109° 59.9′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	59 **18**	10	White truncated pyramidal metal tower; 39.	
14584 *G 3576.6*	Islote de la Reina (Seal Rock).	24° 26.3′ N 109° 57.6′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	33 **10**	10	White round metal tower; 23.	
14588 *G 3570*	**Punta Prieta.**	24° 13.2′ N 110° 18.7′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	98 **30**	**15**	White four-sided masonry tower, dwelling; 66.	Visible 290°-148°.
14592 *G 3569*	Roca Lobos.	24° 17.9′ N 110° 20.7′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	43 **13**	10	White and red truncated pyramidal metal tower; 30.	
14595 *G 3568.6*	Punta Coyote.	24° 21.0′ N 110° 23.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 **12**	10	Truncated pyramidal metal tower; 30.	
14600 *G 3566*	Isla Partida.	24° 36.1′ N 110° 23.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 **40**	10	White truncated pyramidal metal tower; 39.	
14601 *G 3569.3*	Bahia Pichilingue, S. mole.	24° 16.5′ N 110° 19.9′ W	**Iso.R.** period 2s	33 **10**	3	Red round concrete tower; 23.	
14602 *G 3569.5*	-N. mole.	24° 16.6′ N 110° 19.9′ W	**Iso.R.** period 2s	33 **10**	3	Red round concrete tower; 23.	
14603 *G 3566.3*	San Juan de la Costa.	24° 23.7′ N 110° 41.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	8	Truncated pyramidal metal tower; 21.	
14603.1 *G 3566.5*	Isla Ballena.	24° 28.9′ N 110° 24.2′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	43 **13**	10	White truncated pyramidal metal tower; 30.	
14603.2 *G 3566.7*	La Bonanza.	24° 27.6′ N 110° 18.1′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	39 **12**	10	Truncated pyramidal metal tower; 26.	
	LA PAZ HARBOR:						
14604 *G 3572*	-First Range.	24° 12.5′ N 110° 18.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	49 **15**	10	White four-sided stone tower; 16.	
14605 *G 3572.1*	--Rear, about 90 meters 148° from front.	24° 12.5′ N 110° 18.0′ W	**Iso.W.** period 2s	62 **19**	10	White square concrete tower; 23.	
14612 *G 3573*	-Second Range, front.	24° 10.6′ N 110° 18.2′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	59 **18**	10	White rectangular stone tower; 16.	
14616 *G 3573.1*	--Rear, about 380 meters 181° from front.	24° 10.4′ N 110° 18.2′ W	**Iso.W.** period 2s	62 **19**	10	White rectangular stone tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14620 *G 3574*	-Third Range, front.	24° 11.4′ N 110° 18.1′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	105 **32**	13	White rectangular masonry tower; 7.	
14624 *G 3574.1*	--Rear, 80 meters 033° from front.	24° 11.4′ N 110° 18.1′ W	**Iso.W.** period 2s	125 **38**	**17**	White rectangular stone tower; 7.	
14628 *G 3575*	-T-wharf, E. head.	24° 09.7′ N 110° 19.2′ W	**Iso.R.** period 2s	26 **8**	3	White truncated conical masonry tower, red bands; 16.	
14632 *G 3575.2*	--W. head.	24° 09.7′ N 110° 19.2′ W	**Iso.R.** period 2s	26 **8**	3	White truncated conical masonry tower, red bands; 16.	
14634 *G 3575.3*	Don Lorenzo.	24° 09.1′ N 110° 20.3′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	13 **4**	3	White mast; 13.	Marks wreck Don Lorenzo.
14636 *G 3565.5*	San Evaristo.	24° 53.8′ N 110° 43.3′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	72 **22**	10	White truncated pyramidal metal tower; 30.	
14636.5 *G 3565.58*	Islote El Pardito.	24° 51.0′ N 110° 36.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	25 **8**	10	Truncated pyramidal aluminum tower; 16.	
14637 *G 3565.55*	Las Loberas.	24° 50.2′ N 110° 34.6′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	36 **11**	10	Truncated pyramidal metal tower; 29.	
14640 *G 3565*	Isla de San Jose, on Punta Colorado.	25° 01.4′ N 110° 35.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 **40**	10	Truncated pyramidal metal tower; 26.	
14641 *G 3565.08*	-SW. point.	24° 54.8′ N 110° 38.4′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	10	White truncated pyramidal metal tower; 26.	
14644 *G 3565.2*	Punta de los Ostion.	25° 02.0′ N 110° 43.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	39 **12**	10	Truncated pyramidal metal tower; 30.	
14648 *G 3564.4*	Isla Las Animas.	25° 06.4′ N 110° 31.5′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	161 **49**	10	Truncated pyramidal metal tower; 30.	
14652 *G 3564.3*	Isla San Diego.	25° 12.0′ N 110° 42.2′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	66 **20**	10	Truncated pyramidal metal tower; 30.	
14656 *G 3564.5*	San Marcial Rock.	25° 31.6′ N 111° 00.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	56 **17**	10	Truncated pyramidal metal tower; 30.	
14660 *G 3564.2*	Isla Santa Cruz.	25° 15.8′ N 110° 43.8′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 **12**	10	Truncated pyramidal metal tower; 30.	
14664 *G 3564*	Isla Santa Catalina.	25° 35.6′ N 110° 46.7′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	220 **67**	10	White truncated pyramidal metal tower; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14668 *G 3563.85*	Isla Monserrat.	25° 38.6′ N 111° 02.7′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	66 **20**	10	Truncated pyramidal metal tower; 39.	
14669 *G 3563.83*	Isla Las Galeras, N.	25° 44.3′ N 111° 02.7′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	56 **17**	10	Truncated pyramidal metal tower; 23.	
14670 *G 3563.81*	Punta Candeleros.	25° 43.6′ N 111° 13.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	26 **8**	10	White round concrete tower, red bands; 23.	
14672 *G 3563.75*	Isla Danzante, E.	25° 48.5′ N 111° 15.3′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	43 **13**	10	White round concrete tower; 23.	
14673 *G 3563.7*	-S.	25° 45.8′ N 111° 14.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 **9**	9	Truncated pyramidal metal tower; 25.	
14676 *G 3563.8*	-N.	25° 49.1′ N 111° 15.7′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 **13**	10	Truncated pyramidal metal tower; 23.	
14680 *G 3563.52*	Isla del Carmen.	25° 49.7′ N 111° 13.9′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 **12**	10	Truncated pyramidal metal tower; 46.	
14684 *G 3563.5*	Punta Coyote.	25° 48.7′ N 111° 17.9′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	26 **8**	10	White truncated pyramidal metal tower; 46.	
14685 *G 3563.58*	Punta Lobos.	26° 04.2′ N 111° 05.2′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	10	Truncated pyramidal aluminum tower; 23.	
14686 *G 3563.6*	Punta Cholla.	26° 00.1′ N 111° 10.4′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	39 **12**	10	Truncated pyramidal metal tower; 23.	
14688 *G 3563*	Port Loreto, E. of Loreto.	26° 00.9′ N 111° 20.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 **14**	10	Cylindrical concrete tower; 72.	
14691 *G 3562.55*	Islote Santa Elena.	26° 06.9′ N 111° 18.7′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	10	White cylindrical concrete tower; 26.	
14691.5 *G 3562.6*	Punta Santa Elena.	26° 06.2′ N 111° 19.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	23 **7**	10	White cylindrical concrete tower; 26.	
14692 *G 3562.7*	Isla Coronados.	26° 06.4′ N 111° 15.8′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	26 **8**	10	Truncated pyramidal metal tower; 43.	
14694 *G 3562.5*	Isla San Ildefonso.	26° 37.9′ N 111° 26.5′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 **17**	10	White and red truncated pyramidal metal tower; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14695 *G 3562.45*	Punta Santa Teresa.	26° 41.0′ N 111° 34.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	52 **16**	9	Truncated pyramidal metal tower; 25.	
14696 *G 3562*	Muleje, on El Sombrerito Point.	26° 53.9′ N 111° 58.1′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	138 **42**	10	White cylindrical concrete tower; 26.	Visible 181°-273°.
14697 *G 3562.2*	Punta Agujas.	26° 52.0′ N 111° 52.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 **17**	10	Truncated pyramidal metal tower; 49.	
14700 *G 3562.4*	Bahia Concepcion.	26° 44.8′ N 111° 52.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	92 **28**	10	White round structure, red bands.	
14701 *G 3561*	Punta St. Ines.	27° 03.8′ N 111° 57.8′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	52 **16**	10	Truncated pyramidal metal tower; 49.	
14702 *G 3561.4*	St. Ines Islands, N.	27° 02.6′ N 111° 55.3′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 **16**	10	Truncated pyramidal metal tower; 49.	
14703 *G 3561.8*	-S.	27° 01.6′ N 111° 55.6′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	52 **16**	10	Truncated pyramidal metal tower; 49.	
14704 *G 3558*	Isla San Marcos.	27° 12.1′ N 112° 06.3′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	26 **8**	10	Truncated pyramidal metal tower; 23.	
14705 *G 3560*	Punta Chivato.	27° 05.5′ N 111° 58.3′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 **18**	10	Truncated pyramidal metal tower; 49.	
14706 *G 3559*	Piedra Blanca.	27° 14.2′ N 112° 07.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 **16**	10	Truncated pyramidal metal tower; 49.	
14707 *G 3559.4*	La Lobera.	27° 16.0′ N 112° 06.9′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	56 **17**	10	Truncated pyramidal metal tower; 49.	
14708 *G 3553*	Isla Tortugas, N. side.	27° 27.3′ N 111° 53.9′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	105 **32**	10	Truncated pyramidal metal tower; 30.	
14712 *G 3553.5*	-S. side.	27° 26.0′ N 111° 54.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	79 **24**	10	Truncated pyramidal aluminum tower; 30.	
14713 *G 3553.81*	Caleta Santa Maria, La Cia Minera Copas mole.	27° 24.5′ N 112° 19.0′ W	**Iso.Y.** period 2s	26 **8**	10	Yellow round iron tower; 7.	
14715 *G 3553.8*	-SE. wharf.	27° 26.0′ N 112° 18.8′ W	**Iso.G.** period 2s	26 **8**	10	Green round iron tower; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14716 *G 3556*	Punta Santa Agueda.	27° 19.2′ N 112° 15.4′ W	**Fl.(4)W.R.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 **15**	10	Truncated pyramidal aluminum tower; 39.	R. 110°-155°, W.-110°.
14717 *G 3552*	Cabo Virgenes.	27° 32.0′ N 112° 21.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 **16**	10	Red concrete tower, white bands; 33.	
14718 *G 3550*	Bahia de San Francisquito.	28° 26.1′ N 112° 54.1′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	46 **14**	10	Cylindrical concrete tower; 33.	
14718.5 *G 3551*	Punta Espejo.	28° 26.0′ N 112° 50.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 **14**	10	White cylindrical concrete tower; 33.	
	SANTA ROSALIA:						
14720 *G 3554*	-E. outer breakwater, head.	27° 20.0′ N 112° 16.3′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	10	White cylindrical concrete tower; 20.	
14724 *G 3555*	-W. mole, head.	27° 19.9′ N 112° 16.4′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	10	White cylindrical concrete tower; 20.	
14724.6 *G 3555.5*	-Range, front.	27° 20.5′ N 112° 15.8′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	39 **12**	10	White round concrete tower; 28.	
14724.7 *G 3555.6*	--Rear, 30 yards 328° from front.	27° 20.5′ N 112° 15.9′ W	**Iso.W.** period 2s	56 **17**	10	White round concrete tower; 39.	
14725 *G 3547.5*	Cabeza de Caballo.	28° 58.0′ N 113° 29.0′ W	**Fl.R.** period 6s fl. 1s, ec. 5s	36 **11**	10	Truncated pyramidal aluminum tower; 26.	
14726 *G 3547.6*	Punta Arenas.	28° 57.3′ N 113° 32.5′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 **13**	10	White cylindrical concrete tower; 33.	
14728 *G 3547*	Isla Angel de la Guarda.	29° 00.0′ N 113° 09.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	128 **39**	10	Truncated pyramidal aluminum tower; 46.	
14732 *G 3547.4*	Islote Gemelo del Este.	28° 57.7′ N 113° 28.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 **11**	10	White truncated pyramidal aluminum tower, red bands; 26.	
14736 *G 3546*	Isla Angel de la Guarda, N. side of island.	29° 34.2′ N 113° 32.4′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	79 **24**	10	Truncated pyramidal aluminum tower; 33.	
14740 *G 3545*	Punta Willard.	29° 50.3′ N 114° 23.8′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	59 **18**	9	Truncated pyramidal steel tower; 39.	
14741 *G 3545.4*	Isla Willard.	29° 49.0′ N 114° 23.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	95 **29**	10	Truncated pyramidal aluminum tower; 23.	
14743 *G 3544.5*	Isla Miramar.	30° 05.0′ N 114° 33.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 **14**	10	White cylindrical concrete tower, red bands; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14744 *G 3544*	Punta San Fermin.	30° 26.0′ N 114° 37.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	72 **22**	10	Truncated pyramidal alunimum tower; 46.	
14748 *G 3543.5*	Bahia de Santa Maria.	30° 44.0′ N 114° 42.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	75 **23**	10	White cylindrical concrete tower; 33.	
14748.5 *G 3543*	Punta Estrella.	30° 55.0′ N 114° 43.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	105 **32**	10	White cylindrical concrete tower; 33.	
14750 *G 3542.5*	-N. mole.	31° 01.0′ N 114° 49.0′ W	**Iso.R.** period 2s	49 **15**	6	White cylindrical concrete tower; 30.	
14751 *G 3542.6*	-S. mole.	31° 01.0′ N 114° 49.0′ W	**Iso.G.** period 2s	49 **15**	6	White cylindrical concrete tower; 30.	
14753 *G 3542.3*	-N. breakwater.	31° 01.0′ N 114° 49.0′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	6	Cylindrical concrete tower; 16.	
14754 *G 3542.4*	-S. breakwater.	31° 01.0′ N 114° 49.0′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	6	Cylindrical concrete tower; 16.	
14756 *G 3542*	**San Felipe.**	31° 03.0′ N 114° 49.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	144 **44**	**18**	White cylindrical concrete tower; 72.	Aeromarine light.
14757 *G 3542.2*	-San Felipe Range, front.	31° 01.0′ N 114° 49.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	69 **21**	6	Truncated pyramidal steel tower; 49.	
14758 *G 3542.21*	--Rear.	31° 01.0′ N 114° 49.0′ W	**Iso.W.** period 2s	95 **29**	7	Truncated pyramidal steel tower; 62.	
14765 *G 3540.5*	Santa Clara.	31° 41.0′ N 114° 30.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	49 **15**	9	Radio antenna; 82.	
14772 *G 3540.3*	Punta Borrascosa.	31° 30.0′ N 114° 01.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 **13**	11	White round concrete tower, red bands; 36.	
14773 *G 3540.05*	-Range, front.	31° 18.2′ N 113° 32.6′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	33 **10**	8	Truncated pyramidal aluminum tower; 23.	
14774 *G 3540.06*	--Rear, about 146 meters 116° from front.	31° 18.2′ N 113° 32.5′ W	**Iso.W.** period 2s	66 **20**	8	Truncated pyramidal metal tower; 39.	
14775 *G 3540.08*	-Range, front.	31° 18.0′ N 113° 33.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	69 **21**	8	Truncated pyramidal metal tower, red stripes; 39.	
14776 *G 3540.09*	--Rear.	31° 18.0′ N 113° 33.0′ W	**Iso.W.** period 2s	98 **30**	8	Truncated pyramidal metal tower, red stripes; 39.	
14777 *G 3540.13*	-E. breakwater.	31° 18.4′ N 113° 32.9′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	9	Truncated pyramidal metal tower; 23.	
14778 *G 3540*	**Puerto Penasco.**	31° 17.1′ N 113° 34.7′ W	**Fl.W.** period 8s	318 **97**	**17**	White octagonal concrete tower; 30.	
14779 *G 3540.15*	-W. breakwater.	31° 18.3′ N 113° 33.1′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	9	Truncated pyramidal metal tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14780 *G 3539.7*	Isla San Jorge.	31° 01.0′ N 113° 15.3′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	272 **83**	11	Cylindrical concrete tower; 10.	
14784 *G 3539.6*	La Soledad.	30° 49.0′ N 113° 07.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	49 **15**	10	Truncated pyramidal aluminum tower; 33.	
14786 *G 3539.2*	**Cabo Tepoca.**	30° 16.3′ N 112° 51.1′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	128 **39**	**15**	White cylindrical concrete tower, red bands; 39.	
14787 *G 3539.5*	Rio de la Concepcion.	30° 33.2′ N 113° 00.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 **25**	10	White truncated pyramidal concrete tower, red bands; 38.	
14788 *G 3539*	Cabo Lobos.	29° 54.0′ N 112° 45.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 **12**	9	White round tower, red bands; 56.	
14789 *G 3538.8*	Puerto Libertad.	29° 54.0′ N 112° 45.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	43 **13**	9	White round metal tower; 33.	
14790 *G 3538.6*	Rio San Ignacio.	29° 29.7′ N 112° 25.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	52 **16**	11	White metal tower; 43.	
14792 *G 3538.5*	Isla Patos.	29° 16.4′ N 112° 27.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	233 **71**	8	Round aluminum tower; 23.	
14793 *G 3538.25*	Isla San Esteban.	28° 43.0′ N 112° 33.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	56 **17**	10	White truncated pyramidal aluminum tower; 39.	
14800 *G 3538.33*	-Punta Willard.	28° 53.3′ N 112° 35.8′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	46 **14**	9	Cylindrical concrete tower; 10.	
14805 *G 3538.2*	Isla Turners.	28° 42.0′ N 112° 19.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	256 **78**	9	White truncated pyramidal metal and concrete tower; 26.	
14806 *G 3538*	Isla Pelicano.	28° 48.0′ N 111° 59.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	39 **12**	9	Truncated pyramidal aluminum tower; 23.	
14807 *G 3537.8*	Isla San Pedro Martir.	28° 23.0′ N 112° 20.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	279 **85**	7	White truncated pyramidal metal tower; 23.	
14808 *G 3537.7*	Punta Lesna.	28° 13.0′ N 111° 24.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	154 **47**	11	Sillver metal tower; 43.	
14809 *G 3537.9*	Punta Baja.	28° 28.2′ N 111° 42.6′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 **12**	9	White truncated pyramidal metal tower; 25.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14813 *G 3537.67*	Isla San Pedro Nolasco.	27° 58.0′ N 111° 23.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	62 **19**	10	Truncated pyramidal aluminum tower; 39.	
14816 *G 3537.4*	Punta San Guillermo, Puerto San Carlos.	27° 56.0′ N 111° 03.7′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	56 **17**	9	Truncated pyramidal aluminum tower; 23.	
14820 *G 3537.45*	Bahia San Carlos.	27° 56.0′ N 111° 04.0′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	66 **20**	9	Truncated pyramidal metal tower; 30.	
14824 *G 3528*	**Cabo Haro.**	27° 50.4′ N 110° 53.1′ W	**Fl.(3)W.** period 20s	351 **107**	**22**	White four-sided concrete tower; 23.	Visible 216°-113°.
	GUAYMAS:						
14828 *G 3530*	-Isla Pajaros, SW. extremity.	27° 53.2′ N 110° 50.8′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	82 **25**	5	White truncated pyramidal hexagonal concrete tower; 33.	Visible 281°-212°.
14832 *G 3531*	-Punta Baja.	27° 54.0′ N 110° 51.4′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	7	White truncated pyramidal concrete tower; 16.	
14836 *G 3532*	-Range, front, Isla Morrito, W. side.	27° 54.8′ N 110° 51.2′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	33 **10**	8	Concrete wall, red pentagonal daymark, white center; 26.	
14840 *G 3532.1*	--Rear, about 1.38 miles 355° from front, on Isla Tio Ramon.	27° 56.1′ N 110° 51.3′ W	**Iso.W.** period 2s	56 **17**	10	Concrete wall, red pentagonal daymark, white center; 26.	
14841 *G 3537*	-Muelle de la Ardilla, W. end, head.	27° 54.9′ N 110° 52.4′ W	**Iso.R.** period 2s	26 **8**	8	Round tower; 16.	
14842 *G 3537.2*	--E. end.	27° 54.9′ N 110° 52.4′ W	**Iso.G.** period 2s	26 **8**	8	Round tower; 16.	
14844 *G 3533*	-Cape de Las Golondriuas Range, front.	27° 55.9′ N 110° 53.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	295 **90**	10	Truncated pyramidal metal tower, red pentagonal daymark, white center; 39.	
14848 *G 3533.1*	--Rear, about 500 meters, 316° from front.	27° 56.0′ N 110° 53.2′ W	**Iso.W.** period 2s	328 **100**	12	Truncated pyramidal metal tower, red pentagonal daymark, white center; 46.	
14850 *G 3537.35*	-Piedra Ahogada La Reyna.	27° 55.8′ N 110° 58.5′ W	**Iso.Y.** period 2s	13 **4**	4	White cylindrical concrete tower.	
14860 *G 3527*	Las Guasimas.	27° 49.0′ N 110° 36.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	5	Truncated pyramidal metal tower; 23.	
14864 *G 3526.8*	Rio Yaqui.	27° 40.3′ N 110° 35.3′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 **17**	10	Truncated pyramidal metal tower; 52.	
14868 *G 3526*	Isla Lobos, NW. point.	27° 19.5′ N 110° 34.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	82 **25**	10	White truncated pyramidal metal tower; 72.	
	RACON		**K(– • –)**		**20**		(3 & 10cm).
14870 *G 3526.6*	Bahia Lobos, N. mouth of bay.	27° 25.0′ N 110° 34.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 **11**	9	Truncated pyramidal metal tower; 23.	
14872 *G 3526.5*	Boca del Dren, bay, E. side.	27° 22.0′ N 110° 27.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	9	Truncated pyramidal metal tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14876 *G 3524*	Santo Domingo.	27° 10.6′ N 110° 18.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 **9**	9	Truncated pyramidal aluminum tower; 23.	
14880 *G 3523.2*	Boca del Cocoraquito, N. side.	27° 06.0′ N 109° 58.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 **14**	9	Truncated pyramidal metal tower; 25.	
14884 *G 3523*	-S. side.	26° 59.4′ N 109° 56.5′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	49 **15**	11	Truncated pyramidal metal tower; 39.	
14885 *G 3522.5*	Punta Arboleda.	26° 47.0′ N 109° 52.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 **15**	7	White truncated pyramidal metal tower; 39.	
14892 *G 3522*	-Santa Barbara.	26° 40.8′ N 109° 41.1′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	43 **13**	9	Truncated pyramidal metal tower; 25.	
14896 *G 3520*	Bahia de Yavaros.	26° 42.3′ N 109° 31.9′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	112 **34**	13	White cylindrical concrete tower, red bands; 39.	Visible 306°-067°.
14897 *G 3521*	-Puerto Yavaros Range, front.	26° 40.4′ N 109° 29.8′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	33 **10**	7	White truncated pyramidal metal tower; 26.	
14898 *G 3521.1*	--Rear, 0.5 mile 000° from front.	26° 40.9′ N 109° 29.8′ W	**Iso.W.** period 2s	46 **14**	11	White truncated pyramidal metal tower; 39.	
14901 *G 3521.4*	-No 3.	26° 41.8′ N 109° 30.4′ W	**Fl.W.** period 3s fl. 0.5s, ec. 2.5s	26 **8**	5	White truncated pyramidal metal tower; 16.	
14903 *G 3519.5*	Agiabampo.	26° 17.0′ N 109° 17.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 **13**	10	Truncated pyramidal aluminum tower; 39.	
14904 *G 3519*	San Ignacio Farallon.	25° 26.5′ N 109° 23.9′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	394 **120**	10	White truncated pyramidal metal tower; 39.	
	TOPOLOBAMPO:						
14909 *G 3518.2*	-**Las Animas** Range, front.	25° 35.0′ N 109° 07.0′ W	**Fl.W.** period 2s fl. 0.5s, ec. 1.5s	98 **30**	**20**	White truncated pyramidal metal tower; 39.	
14910 *G 3518.21*	--Rear, 051° from front.	25° 36.3′ N 109° 05.3′ W	**Iso.W.** period 2s	328 **100**	**20**	Truncated pyramidal metal tower; 39.	
14912 *G 3518.5*	-Punta Copas Range, front.	25° 32.6′ N 109° 06.9′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	43 **13**	12	White truncated pyramidal metal tower.	
14916 *G 3518.51*	--Rear, 420 meters 232°30′ from front.	25° 32.6′ N 109° 06.9′ W	**Iso.W.** period 2s	52 **16**	**20**	White truncated pyramidal metal tower; 46.	
14917 *G 3518.4*	-Punta Prieta Range, front.	25° 33.0′ N 109° 05.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	20 **6**	9	White cylindrical concrete tower; 10.	
14918 *G 3518.41*	--Rear, 1.5 miles 093° from front.	25° 33.0′ N 109° 04.0′ W	**Iso.W.** period 2s	49 **15**	12	White pyramidal concrete tower; 10.	
14920 *G 3518*	**Cerro Partido.**	25° 32.0′ N 109° 06.1′ W	**Fl.W.** period 7s	312 **95**	**22**	White cylindrical concrete tower; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
14921 *G 3518.6*	Punta Pinto.	25° 34.2′ N 109° 04.5′ W	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	26 **8**	5	White cylindrical concrete tower; 10.	
14922 *G 3518.7*	San Carlos.	25° 35.0′ N 109° 03.0′ W	**Iso.R.** period 2s	33 **10**	5	White cylindrical concrete tower; 10.	
14924 *G 3516*	Boca de Macapule.	25° 21.8′ N 108° 44.8′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	56 **17**	10	White truncated pyramidal tower; 39.	
14925	La Bocanita.	25° 17.9′ N 108° 32.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	4	Truncated pyramidal aluminum tower; 26.	
14926 *G 3515*	Perihuete Range, front.	25° 11.6′ N 108° 23.8′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	56 **17**	10	White truncated pyramidal tower; 39.	
14927 *G 3515.1*	-Rear.	25° 11.5′ N 108° 23.6′ W	**Iso.W.** period 2s	75 **23**	10	White truncated pyramidal metal tower; 52.	
14928 *G 3514.5*	La Reforma.	25° 08.0′ N 108° 14.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 **14**	12	Truncated pyramidal aluminum tower; 43.	
14932 *G 3514.4*	Punta Riscion.	25° 07.1′ N 108° 19.9′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	56 **17**	12	White truncated pyramidal metal tower; 49.	
14936 *G 3514*	Isla Altamura.	24° 48.3′ N 108° 06.2′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	36 **11**	10	White truncated pyramidal metal tower; 23.	
14940 *G 3513.6*	Yameto.	24° 47.0′ N 108° 05.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 **13**	10	White round concrete tower; 33.	
14944 *G 3513.5*	Puerto de Altata.	24° 37.1′ N 107° 54.7′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	59 **18**	13	Truncated pyramidal aluminum tower; 52.	
14952.2 *G 3513.25*	Punta La Tonina.	24° 30.2′ N 107° 40.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 **15**	12	Truncated pyramidal metal tower; 49.	
14953 *G 3513.2*	Rio San Lorenzo.	24° 15.9′ N 107° 27.1′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 **18**	14	White truncated pyramidal metal tower; 52.	
14960 *G 3512*	Punta Piaxtla.	23° 40.0′ N 106° 48.2′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	98 **30**	14	White cylindrical masonry tower, red bands; 36.	
14962	Morro, NW.	23° 15.5′ N 106° 27.9′ W	**Fl.Y.** period 2s fl. 0.5s, ec. 1.5s	23 **7**	5	Yellow concrete pipe; 16.	
14962.1	-SE.	23° 15.5′ N 106° 27.9′ W	**Fl.Y.** period 2s fl. 0.5s, ec. 1.5s	23 **7**	5	Yellow concrete pipe; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
	MAZATLAN:						
14964 *G 3504*	**-Isla Creston.**	23° 10.7′ N 106° 25.7′ W	**Fl.W.** period 7s	515 **157**	**33**	White four-sided concrete tower, dwelling; 23.	Visible 310°-140°. F.R. on radio mast at Mazatlan appears to vessels to S. to be of same height as this light.
14968 *G 3504.6*	-Piedra Negra.	23° 10.0′ N 106° 25.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	26 **8**	14	White four-sided concrete column, concrete base; 20.	
14972 *G 3506*	-Isla Chivos, E. breakwater.	23° 10.7′ N 106° 25.1′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	13	Round structure; 13.	
14976 *G 3507*	-W. breakwater.	23° 10.8′ N 106° 25.2′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	69 **21**	13	Green truncated pyramidal metal tower; 52.	
14977 *G 3507.5*	-UNAM.	23° 10.9′ N 106° 25.4′ W	**Iso.G.** period 2s	23 **7**	5	Green metal column; 7.	
14978 *G 3507.6*	-Ferry pier.	23° 11.1′ N 106° 25.1′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	30 **9**	9	Green truncated pyramidal metal tower; 23.	
14979 *G 3507.4*	-Tourist mole.	23° 11.3′ N 106° 25.0′ W	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	30 **9**	9	Green round metal tower; 20.	
14981 *G 3507.2*	-Pemex Wharf.	23° 11.4′ N 106° 25.0′ W	**2 Iso.G.** period 2s	46 **14**	12	Two white metal towers; 20.	One light on each.
14985 *G 3507.8*	-Duques de Alba, S.	23° 11.3′ N 106° 24.8′ W	**Iso.R.** period 2s	20 **6**	4	Red round metal column; 7.	
14985.1 *G 3507.9*	--N.	23° 11.5′ N 106° 24.7′ W	**Iso.R.** period 2s	20 **6**	4	Red round metal column; 7.	
14988 *G 3508*	-Piedra Blanca.	23° 11.6′ N 106° 24.7′ W	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	30 **9**	9	Red truncated pyramidal concrete tower; 20.	
14992 *G 3504.4*	-Harbor entrance channel Range, front.	23° 12.8′ N 106° 24.2′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	62 **19**	**17**	Orange truncated pyramidal metal tower; 52.	
14996 *G 3504.41*	--Rear, 500 meters 024° from front.	23° 13.0′ N 106° 24.1′ W	**Iso.W.** period 2s	85 **26**	**17**	Orange truncated pyramidal metal tower; 79.	
14997 *G 3505*	-Harbor channel Range, front.	23° 12.6′ N 106° 24.5′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	69 **21**	**17**	Orange truncated pyramidal metal tower; 66.	
14997.5 *G 3505.1*	--Rear, 1485 meters 018° 30′ from front.	23° 13.4′ N 106° 24.2′ W	**Iso.W.** period 2s	180 **55**	**17**	Orange truncated pyramidal metal tower; 52.	
14998 *G 3508.6*	-W. side.	23° 12.5′ N 106° 24.3′ W	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	22 **7**	6	Green cylindrical concrete tower; 23.	
15000 *G 3505.5*	-Fishing wharf Range, front.	23° 12.8′ N 106° 23.8′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	56 **17**	**17**	Orange truncated pyramidal metal tower; 46.	
15000.1 *G 3505.51*	--Rear, 200 meters, 053°06′ from front.	23° 12.8′ N 106° 23.7′ W	**Iso.W.** period 2s	62 **19**	**17**	Orange truncated pyramidal metal tower; 59.	
15004 *G 3502.7*	Rio Baluarte.	22° 47.9′ N 106° 02.4′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	26 **8**	9	Truncated pyramidal metal tower; 23.	
15006 *G 3502.5*	Teacapan.	22° 31.8′ N 105° 45.2′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	59 **18**	14	Truncated pyramidal metal tower; 56.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15007 *G 3502.3*	Agua Brava.	22° 06.0′ N 105° 38.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 **11**	9	Red and white checkered truncated pyramidal aluminum tower; 23.	
15008 *G 3502*	Isla Isabela.	21° 50.0′ N 105° 52.8′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	180 **55**	10	Red and white checkered truncated pyramidal aluminum tower; 36.	
15010 *G 3495.5*	Boca de Camichin.	21° 46.0′ N 105° 31.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	36 **11**	8	Round concrete tower; 26.	
15012 *G 3494*	**San Blas.**	21° 32.2′ N 105° 18.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	144 **44**	**18**	White cylindrical concrete tower, red bands; 46.	
15014 *G 3494.4*	-Range, front.	21° 32.0′ N 105° 19.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	46 **14**	10	Red and white checkered truncated pyramidal metal tower, concrete base; 39.	
15015 *G 3494.41*	--Rear.	21° 32.0′ N 105° 19.0′ W	**Iso.W.** period 2s	62 **19**	11	Red and white checkered truncated pyramidal metal tower, concrete base; 52.	
15016 *G 3494.2*	-E. jetty.	21° 32.0′ N 105° 19.0′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	46 **14**	7	Red truncated pyramidal aluminum tower, concrete base; 23.	
15020 *G 3494.3*	-W. jetty.	21° 32.0′ N 105° 19.0′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	43 **13**	7	Green truncated pyramidal aluminum tower, concrete base; 23.	
15021	-Mole, N. head.	21° 32.4′ N 105° 17.5′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	16 **5**	4	Red cylindrical concrete tower; 13.	
15021.1	--S. head.	21° 32.4′ N 105° 17.5′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	16 **5**	4	Red cylindrical concrete tower; 13.	
15022 *G 3495*	El Asadero.	21° 40.8′ N 105° 22.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	125 **38**	7	Four-sided aluminum structure; 10.	
15024 *G 3500*	Isla San Juanico.	21° 45.5′ N 106° 40.6′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	171 **52**	9	White truncated pyramidal metal tower; 24.	
15028 *G 3498*	**Isla Maria Madre.**	21° 36.6′ N 106° 31.9′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	203 **62**	**17**	White cylindrical concrete tower; 23.	Visible 165°-314°.
15032 *G 3499.6*	-Espolon del Diablo.	21° 36.6′ N 106° 35.7′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	33 **10**	8	Truncated pyramidal metal tower; 30.	
15036 *G 3499*	-Balleto Anchorage, N. mole, head.	21° 38.5′ N 106° 33.3′ W	**Iso.R.** period 2s	39 **12**	6	Red round metal tower; 33.	
15040 *G 3499.2*	--S. mole, head.	21° 38.5′ N 106° 33.3′ W	**Iso.R.** period 2s	39 **12**	6	Red round metal tower; 33.	
15044 *G 3496*	Isla Maria Cleofas.	21° 17.4′ N 106° 14.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	492 **150**	10	White truncated pyramidal metal tower; 24.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15048 *G 3493*	Chacala.	21° 10.8′ N 105° 15.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	98 **30**	10	Red and white checkered truncated pyramidal aluminum tower; 36.	
15050 *G 3492.8*	Isla de Los Pelicanos.	21° 03.0′ N 105° 17.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	108 **33**	9	Round concrete tower; 26.	
15052 *G 3490*	Roca Corbetena.	20° 43.7′ N 105° 51.2′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 **17**	10	Round aluminum tower, truncated pyramidal concrete base; 20.	
15056 *G 3492*	Punta de Mita.	20° 45.4′ N 105° 33.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	56 **17**	10	Red truncated pyramidal concrete tower; 52.	
15056.5 *G 3492.4*	Corral del Risco, breakwater.	20° 46.0′ N 105° 31.0′ W	**Fl.G.** period 6s fl. 1s, ec. 5s	23 **7**	5	White concrete obelisk, cylindrical base; 10.	
15057 *G 3492.6*	Huanacaxtle.	20° 44.0′ N 105° 24.0′ W	**Fl.G.** period 6s fl. 1s, ec. 5s	26 **8**	6	Green truncated pyramidal aluminum tower; 23.	
15060 *G 3491*	Isla Marieta.	20° 40.8′ N 105° 36.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	75 **23**	10	Red truncated pyramidal metal tower; 36.	
15061 *G 3491.4*	-La Redonda.	20° 41.0′ N 105° 36.6′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	282 **86**	9	Red truncated pyramidal metal tower; 24.	
	PUERTO VALLARTA:						
15064 *G 3484*	-Aramara.	20° 39.5′ N 105° 14.4′ W	**Dir.W.R.G.** period 4s	115 **35**	10	White and red round structure; 105.	Iso.R. 051°18′-052°30′, Iso.W.-053°30′, Iso.G.-054°48′.
15072 *G 3485*	-Inner breakwater, N. head.	20° 39.3′ N 105° 14.9′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	7	Green truncated pyramidal metal tower; 26.	
15076 *G 3485.2*	--S. head.	20° 39.2′ N 105° 14.7′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	7	Red truncated pyramidal metal tower; 26.	
15076.2	--Range, front.	20° 39.4′ N 105° 15.2′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	20 **6**	10	White round metal structure, red bands; 16.	
15076.3	---Rear, 270° from front.	20° 39.4′ N 105° 15.3′ W	**Iso.W.** period 2s	23 **7**	10	White round metal structure, red bands; 16.	
15077 *G 3483*	Yelapa.	20° 30.5′ N 105° 25.5′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	279 **85**	10	White truncated pyramidal metal structure; 23.	
15080 *G 3482*	**Cabo Corrientes.**	20° 24.0′ N 105° 42.8′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	305 **93**	**18**	White truncated pyramidal octagonal tower, red cupola; 20.	
	RACON		**O(– – –)**		**20**		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15084 *G 3481.8*	Punta Ipala.	20° 13.6′ N 105° 35.4′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	315 **96**	10	White truncated pyramidal metal tower; 36.	
15085 *G 3481.6*	Roca Negra.	19° 46.0′ N 105° 21.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	102 **31**	7	White truncated pyramidal metal tower; 23.	
15085.5 *G 3481.57*	Punta Chalacatepec.	19° 41.0′ N 105° 16.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 **12**	10	Cylindrical concrete tower; 23.	
15086 *G 3481.5*	-Careyes Range, front.	19° 25.0′ N 105° 02.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	75 **23**	7	White round tower, red bands; 16.	
15087 *G 3481.51*	--Rear.	19° 25.0′ N 105° 02.0′ W	**Iso.W.** period 2s	180 **55**	7	White round tower, red bands; 16.	
15088 *G 3481.4*	**-Punta Farrallon.**	19° 22.4′ N 105° 01.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	203 **62**	**15**	White cylindrical concrete tower; 72.	
15091	Bahia Navidad.	19° 12.1′ N 104° 40.8′ W	**L.Fl.W.** period 10s fl. 2s, ec. 8s			Round metal tower; 7.	
15092 *G 3481*	**Punta Graham.**	19° 10.5′ N 104° 41.4′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	656 **200**	**20**	Truncated pyramidal aluminum tower; 23.	Emergency light.
15093 *G 3480.57*	Morro Carrizal.	19° 05.2′ N 104° 26.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	89 **27**	11	Truncated pyramidal metal tower; 24.	
15096 *G 3480.6*	-AVIATION LIGHT.	19° 09.1′ N 104° 33.0′ W	**Al.W.G.** period 10s		**15**		
15098 *G 3480.54*	Las Hadas Marina, N. breakwater.	19° 06.0′ N 104° 20.7′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	23 **7**	5	Cylindrical concrete tower; 23.	
15098.2 *G 3480.55*	-S. breakwater.	19° 06.0′ N 104° 20.7′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	23 **7**	5	Cylindrical concrete tower; 23.	
15100 *G 3477*	Los Frailes, SE. Rock.	19° 04.6′ N 104° 23.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 **9**	10	Round metal tower; 7.	
15104 *G 3478*	Manzanillo, breakwater, head.	19° 03.7′ N 104° 18.9′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	52 **16**	7	Cylindrical concrete tower; 24.	
15116 *G 3480.2*	-N. breakwater.	19° 03.7′ N 104° 18.3′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	39 **12**	7	Cylindrical concrete column; 20.	
15120 *G 3480*	-S. breakwater.	19° 03.6′ N 104° 18.3′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	33 **10**	7	Cylindrical concrete tower; 20.	
15132 *G 3480.4*	-San Pedrito Range, front.	19° 03.8′ N 104° 17.4′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	79 **24**	10	Truncated pyramidal metal tower; 39.	
15136 *G 3480.41*	--Rear, 350 meters 077° from front.	19° 03.8′ N 104° 17.3′ W	**Iso.W.** period 2s	89 **27**	10	Truncated pyramidal metal tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15140 *G 3476*	**Punta Campos.**	19° 01.3′ N 104° 20.1′ W	**Fl.W.** period 5s fl. 0.5s, ec. 4.5s	358 **109**	**20**	White octagonal concrete tower, dwelling; 36.	
	ISLAS REVILLAGIGEDO:						
15144 *G 3474*	-Isla Socorro.	18° 43.3′ N 110° 56.7′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	443 **135**	10	Truncated pyramidal metal tower; 24.	
15146 *G 3473*	Cabeza Negra.	18° 35.7′ N 103° 42.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	262 **80**	8	Truncated pyramidal aluminum tower; 23.	
15148 *G 3475*	-Isla Clarion.	18° 20.8′ N 114° 44.2′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	115 **35**	10	Truncated pyramidal metal tower; 24.	
15152 *G 3472*	**Punta San Telmo.**	18° 19.8′ N 103° 29.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	230 **70**	**18**	White four-sided concrete tower, red bands; 39.	Visible 279°-149°.
15156 *G 3471*	**Bufadero Bluff.**	18° 03.7′ N 102° 44.9′ W	**Fl.(4)W.** period 16s	138 **42**	**18**	White four-sided masonry tower, red bands; 52.	
15160 *G 3469*	**Lazaro Cardenas.**	17° 55.3′ N 102° 10.1′ W	**Fl.W.** period 7s	115 **35**	**19**	White cylindrical concrete tower, black bands; 118.	
15160.5 *G 3470.4*	-Entrance Range, front.	17° 56.3′ N 102° 11.1′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	59 **18**	12	Truncated pyramidal metal tower, acrylic daymark; 43.	
15161 *G 3470.41*	--Rear, 310 meters 302°25′ from front.	17° 56.3′ N 102° 11.2′ W	**Iso.W.** period 2s	69 **21**	12	Truncated pyramidal metal tower, acrylic daymark; 59.	
15164 *G 3470*	-E. breakwater.	17° 55.6′ N 102° 09.8′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	30 **9**	5	Red truncated pyramidal aluminum tower; 23.	
15168 *G 3470.2*	-W. breakwater.	17° 55.3′ N 102° 09.8′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	30 **9**	5	Green truncated pyramidal aluminum tower; 23.	
15177 *G 3470.5*	-Canal Industrial Range, front.	17° 57.2′ N 102° 10.1′ W	**Oc.Y.** period 3s lt. 2s, ec. 1s	52 **16**	12	Pyramidal aluminum beacon; 33.	
15178 *G 3470.51*	--Rear, 50 meters 033° from front.	17° 57.3′ N 102° 10.0′ W	**Iso.Y.** period 2s	62 **19**	12	Pyramidal aluminum beacon; 33.	
15180 *G 3466*	**Punta Garrobo.**	17° 37.1′ N 101° 32.9′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	377 **115**	**18**	White four-sided concrete tower; 42.	Visible 270°-132°.
15182 *G 3465.9*	Zihuatanejo wharf.	17° 38.0′ N 101° 33.0′ W	**Iso.R.** period 2s	16 **5**	7	Red metal post; 10.	
15184 *G 3467*	La Solitaria (Piedras Negras).	17° 35.5′ N 101° 33.5′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	62 **19**	14	White truncated pyramidal aluminum tower; 23.	
15185 *G 3465.8*	Punta Gorda.	17° 32.0′ N 101° 27.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	394 **120**	14	Truncated pyramidal aluminum tower; 23.	
15188 *G 3468*	Isla Grande (Piedra Ahogada).	17° 40.7′ N 101° 39.9′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	39 **12**	14	White truncated pyramidal aluminum tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15190 *G 3465.75*	Punta Japutica.	17° 23.5′ N 101° 10.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	98 **30**	10	White cylindrical concrete tower; 16.	
15192 *G 3465.7*	El Calvario.	17° 23.4′ N 101° 09.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	492 **150**	14	Truncated pyramidal aluminum tower; 23.	
15196 *G 3465*	Morro De Papanoa.	17° 16.1′ N 101° 03.2′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	427 **130**	14	Truncated pyramidal aluminum tower; 39.	
15197 *G 3464.5*	Puerto Vicente, N. breakwater.	17° 16.8′ N 101° 03.0′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	13	Truncated pyramidal metal tower; 23.	
15198 *G 3464.6*	-S. breakwater.	17° 16.8′ N 101° 03.1′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	36 **11**	7	White truncated pyramidal metal tower; 24.	
15200 *G 3459*	Punta Lorenz.	16° 49.7′ N 99° 54.9′ W	**Fl.W.** period 3s fl. 0.5s, ec. 2.5s	118 **36**	10	White round concrete tower, red bands; 16.	Visible 021°-141°.
15204 *G 3460*	La Roqueta, N. point of island.	16° 49.5′ N 99° 54.5′ W	**Fl.W.** period 2s fl. 0.5s, ec. 1.5s	75 **23**	7	White round concrete tower, black bands; 33.	
15208 *G 3456*	**La Roqueta Island.**	16° 49.2′ N 99° 54.4′ W	**Fl.W.** period 10s	377 **115**	**25**	White cylindrical concrete tower; 49.	Visible 220°-137°.
	RACON		**Q(– – • –)**		**20**		(3 & 10cm).
	BAHIA DE ACAPULCO:						
15212 *G 3456.4*	-Yerbabuena.	16° 49.4′ N 99° 53.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	43 **13**	10	Truncated pyramidal aluminum tower; 23.	
15216 *G 3461*	-Punta Grifo.	16° 50.2′ N 99° 53.6′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	115 **35**	10	White truncated pyramidal concrete tower; 23.	
15217 *G 3463*	-Tourist wharf, E. end.	16° 50.9′ N 99° 54.0′ W	**Iso.R.** period 2s	20 **6**	7	Red round metal tower; 16.	
15218 *G 3463.2*	-Commercial wharf, W. end.	16° 50.9′ N 99° 54.4′ W	**Iso.G.** period 2s	20 **6**	7	Green round metal tower; 16.	
15220 *G 3463.6*	-Las Dos Piedras (White Rocks), W. rock.	16° 50.7′ N 99° 54.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	16 **5**	7	Red round concrete tower; 10.	
15222 *G 3463.64*	-Punta Sirena mole, N. end.	16° 50.3′ N 99° 54.5′ W	**Iso.R.** period 2s	13 **4**	5	Metal tower; 13.	
15222.1 *G 3463.65*	--S. end.	16° 50.3′ N 99° 54.5′ W	**Iso.G.** period 2s	13 **4**	5	Metal tower; 13.	
15222.2 *G 3463.66*	--Margin.	16° 50.3′ N 99° 54.5′ W	**Iso.Y.** period 2s	23 **7**	3	Metal tower; 13.	
15224 *G 3457*	**Punta Brujas.**	16° 48.9′ N 99° 52.6′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 **40**	**20**	White truncated pyramidal metal tower, red band; 13.	Visible 320°-094°.
15228 *G 3454*	Puerto Marques.	16° 48.2′ N 99° 50.4′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	16 **5**	9	White round metal tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15229	-El Fraile, SE.	16° 48.5′ N 99° 50.5′ W	**Iso.G.** period 2s	20 **6**	5	White round metal tower; 16.	
15229.1	--NW.	16° 48.5′ N 99° 50.5′ W	**Iso.R.** period 2s	20 **6**	5	White round metal tower; 16.	
15232 *G 3453*	AVIATION LIGHT.	16° 45.7′ N 99° 45.2′ W	**Al.W.G.**				
15234 *G 3452.7*	Nexpa.	16° 36.0′ N 99° 04.3′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	39 **12**	10	Truncated pyramidal aluminum tower; 23.	
15236 *G 3452.5*	Acamama.	16° 33.0′ N 98° 52.0′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	48 **15**	10	White round concrete tower; 33.	
15238 *G 3452.2*	Barra de Tecoanapa.	16° 31.0′ N 98° 35.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 **10**	10	White round metal tower; 26.	
15240	**Punta Maldonado.**	16° 19.2′ N 98° 34.3′ W	**Fl.(2)W.** period 6s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 **40**	**15**	White square concrete tower; 49.	
15240.5	-Drydock.	16° 19.6′ N 98° 34.0′ W	**Iso.W.** period 2s			White round tower; 16.	
15242 *G 3450*	El Corralero.	16° 12.5′ N 98° 12.1′ W	**Fl.R.** period 6s fl. 1s, ec. 5s	66 **20**	10	White truncated pyramidal metal tower; 24.	
15244 *G 3448*	Punta Galera.	15° 56.8′ N 97° 42.0′ W	**Fl.(3)W.** period 12s	105 **32**	12	White square truncated pyramidal concrete tower; 23.	
15248 *G 3447*	Cerro Hermoso.	15° 57.1′ N 97° 32.0′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	36 **11**	10	White truncated pyramidal metal tower; 24.	
15252 *G 3446*	**Puerto Escondido.**	15° 51.0′ N 97° 04.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 **40**	**16**	White octagonal concrete tower; 49.	
15253 *G 3445.5*	Punta Zicatela.	15° 48.8′ N 97° 02.7′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 **11**	6	White truncated pyramidal masonry tower; 26.	
15254 *G 3444.2*	-Puerto Angel Range, front.	15° 39.5′ N 96° 31.2′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	26 **8**	8	White cylindrical concrete tower; 26.	
15255 *G 3444.21*	--Rear.	15° 39.5′ N 96° 31.2′ W	**Iso.W.** period 2s	33 **10**	8	White cylindrical concrete tower; 33.	
15256 *G 3444*	**Puerto Angel.**	15° 38.8′ N 96° 31.3′ W	**Fl.W.** period 5s	184 **56**	**20**	White octagonal masonry tower, dwelling; 46.	Visible 266°-094°.
15257 *G 3444.3*	-Wharf.	15° 39.5′ N 96° 31.3′ W	**Iso.G.** period 2s	16 **5**	5	Green round concrete tower; 15.	
15258 *G 3444.4*	-Wharf.	15° 39.5′ N 96° 31.3′ W	**Iso.R.** period 2s	13 **4**	5	Red cylindrical concrete tower; 15.	
15260 *G 3442*	**Huatulco.**	15° 44.3′ N 96° 07.7′ W	**Fl.(3)W.** period 18s	197 **60**	**15**	White octagonal concrete tower, black bands; 49.	
15261 *G 3442.2*	-Islote La Blanca.	15° 44.9′ N 96° 07.2′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	49 **15**	6	White round concrete tower; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15262 *G 3442.4*	-Punta La Entrega.	15° 44.7′ N 96° 07.5′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	4	Green round concrete tower; 13.	
15263 *G 3442.6*	-Punta Paraiso.	15° 45.0′ N 96° 07.5′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	5	Red round concrete tower; 13.	
15264 *G 3440*	Morro Ayutla.	15° 52.5′ N 95° 46.9′ W	**Fl.(4)W.** period 16s	138 **42**	10	White round concrete tower; 36.	
	SALINA CRUZ:						
15272 *G 3432*	**-Morro de Salinas.**	16° 09.7′ N 95° 12.2′ W	**Fl.W.** period 8s	272 **83**	**20**	White octagonal masonry tower, 46.	Visible 265°-048°.
15273 *G 3436*	-Muelle Fiscal.	16° 09.1′ N 95° 12.8′ W	**Fl.G.** period 3s fl. 0.5s, ec. 2.5s	7 **2**	3	Green cylindrical buoy.	
15273.3 *G 3435.5*	-E. Pemex Range, front.	16° 09.6′ N 95° 12.5′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	23 **7**	5	White cylindrical tower; 23.	
15273.31 *G 3455.51*	--Rear, 95 meters 000° from front.	16° 09.6′ N 95° 12.5′ W	**Iso.W.** period 2s	33 **10**	5	White cylindrical tower; 33.	
15273.7 *G 3436.05*	-W. Pemex Range, front.	16° 09.6′ N 95° 12.6′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	23 **7**	5	Cylindrical tower; 23.	
15273.71 *G 3436.06*	--Rear, 95 meters 000° from front.	16° 09.6′ N 95° 12.6′ W	**Iso.W.** period 2s	33 **10**	5	White cylindrical tower; 33.	
15274 *G 3436.2*	-Puente Fiscal.	16° 08.8′ N 95° 12.2′ W	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	7 **2**	3	Red cylindrical buoy.	
15276 *G 3434*	-W. breakwater, head.	16° 09.6′ N 95° 11.8′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	43 **13**	9	Green cylindrical concrete tower; 23.	
15280 *G 3433*	-E. breakwater, head.	16° 09.7′ N 95° 11.7′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	43 **13**	9	Red cylindrical concrete tower; 23.	
15282 *G 3434.4*	-LPG Muelle No 7.	16° 09.9′ N 95° 12.0′ W	**Iso.R.** period 2s	16 **5**	3	Cylindrical metal tower; 16.	
15282.1 *G 3434.3*	--S. dolphin.	16° 09.9′ N 95° 12.0′ W	**Iso.R.** period 2s	26 **8**	3	Green cylindrical tower; 26.	
15282.2 *G 3434.45*	--N. dolphin.	16° 09.9′ N 95° 12.0′ W	**Iso.R.** period 2s	26 **8**	3	Green cylindrical metal tower; 26.	
15284 *G 3435*	-Salina Cruz Range, front.	16° 10.4′ N 95° 12.0′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	243 **74**	13	White truncated pyramidal metal tower; 43.	
15288 *G 3435.1*	--Rear, 280 meters 345°30′ from front.	16° 10.6′ N 95° 12.0′ W	**Iso.W.** period 2s	220 **67**	13	White truncated pyramidal metal tower; 43.	
15290 *G 3434.2*	-Inner Harbor, E side.	16° 10.1′ N 95° 11.8′ W	**Fl.R.** period 5s fl. 0.5s, ec. 4.5s	20 **6**	6	Red cylindrical concrete tower; 15.	
15290.5 *G 3431.7*	-Punta Cortes.	16° 10.2′ N 95° 09.2′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	98 **30**	10	Rectangular masonry tower; 26.	
15291 *G 3434.25*	--W. side.	16° 10.1′ N 95° 11.9′ W	**Fl.G.** period 5s fl. 0.5s, ec. 4.5s	23 **7**	5	Green cylindrical concrete tower; 15.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15292 *G 3431*	San Francisco.	16° 13.0′ N 94° 48.8′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	56 **17**	10	Red cylindrical concrete tower, yellow bands; 39.	
15296 *G 3431.5*	San Dionisio Del Mar.	16° 16.0′ N 94° 46.0′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 **17**	10	White cylindrical concrete tower; 33.	
15300 *G 3430*	La Chichi.	16° 11.3′ N 94° 28.0′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 **15**	10	White cylindrical concrete tower; 39.	
15304 *G 3429*	La Soledad.	16° 04.3′ N 94° 09.5′ W	**Fl.W.** period 6s fl. 1s, ec. 5s	49 **15**	10	Cylindrical concrete tower, red and white diagonal stripes; 39.	
15306 *G 3428.5*	Paredon.	16° 02.7′ N 93° 52.5′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	36 **11**	10	White cylindrical concrete tower; 33.	
15308 *G 3428*	Puerto Arista.	15° 56.8′ N 93° 50.1′ W	**Fl.(2)W.** period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	85 **26**	12	White cylindrical concrete tower; 79.	Visible 288°-122°.
15312 *G 3426*	Santa Cruz.	15° 33.8′ N 93° 18.8′ W	**Fl.(3)W.** period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	59 **18**	10	Red truncated conical aluminum tower, red and yellow bands, cylindrical concrete base; 52.	
15316 *G 3425*	Barra San Juan.	15° 08.3′ N 92° 50.5′ W	**Fl.(4)W.** period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 **18**	10	Red truncated conical aluminum tower, yellow bands, cylindrical concrete base; 52.	
15320 *G 3422*	Tapachula, AVIATION LIGHT.	14° 54.2′ N 92° 17.3′ W	**Al.Fl.W.R.** period 5s	197 **60**			Occasional. Private light.
15324 *G 3424*	**Puerto Madero.**	14° 42.3′ N 92° 24.6′ W	**Fl.W.** period 5s	72 **22**	**15**	Red cylindrical concrete tower, white bands; 72.	
	PUERTO MADERO:						
15328 *G 3424.2*	-W. breakwater.	14° 42.0′ N 92° 24.7′ W	**Fl.G.** period 5s fl. 1s, ec. 4s	26 **8**	10	White cylindrical concrete tower; 23.	
15332 *G 3424.22*	-E. breakwater.	14° 41.6′ N 92° 24.9′ W	**Fl.R.** period 5s fl. 1s, ec. 4s	30 **9**	10	Cylindrical aluminum tower, concrete base; 26.	
15333 *G 3424.9*	Muelle de Pesca, No 1.	14° 42.2′ N 92° 23.8′ W	**Iso.R.** period 2s	13 **4**	3	Cylindrical fiberglass tower; 13.	
15334 *G 3424.7*	Muelle Fiscal, No 3.	14° 42.2′ N 92° 23.9′ W	**Iso.G.** period 2s	13 **4**	3	Cylindrical fiberglass tower; 13.	
15336 *G 3424.4*	**-Entrance Range,** front.	14° 42.6′ N 92° 23.9′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	39 **12**	**15**	Truncated pyramidal aluminum tower, daymark, concrete base; 42.	
15340 *G 3424.41*	--Rear, 250 meters 044° from front.	14° 42.7′ N 92° 23.8′ W	**Iso.W.** period 2s	79 **24**	13	Truncated pyramidal aluminum tower, daymark, concrete base; 58.	
15341 *G 3424.8*	-Muelle de Pesca Range, front.	14° 42.2′ N 92° 23.5′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	33 **10**	9	Truncated pyramidal metal tower; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			MEXICO				
15342 *G 3424.81*	--Rear, 250 meters 099° from front.	14° 42.1′ N 92° 23.3′ W	**Iso.W.** period 2s	66 **20**	11	Truncated pyramidal metal tower; 59.	
15345 *G 3424.6*	-Muelle Fiscal Range, front.	14° 43.3′ N 92° 24.2′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	59 **18**	13	Truncated pyramidal aluminum tower, daymark, concrete base; 62.	
15346 *G 3424.61*	--Rear, 270 meters 006° from front.	14° 43.4′ N 92° 24.1′ W	**Iso.W.** period 2s	79 **24**	13	Truncated pyramidal aluminum tower, daymark, concrete base; 79.	
15350 *G 3404*	El Gancho Range, front.	14° 33.1′ N 92° 15.9′ W	**Fl.W.** period 3s fl. 1s, ec. 2s	69 **21**	14	White cylindrical concrete tower; 59.	
15351 *G 3404.1*	-Rear.	14° 33.2′ N 92° 14.8′ W	**Iso.W.** period 2s	82 **25**	**15**	White cylindrical concrete tower; 66.	
			GUATEMALA				
15354 *G 3397*	Ocos, border light, front.	14° 31.8′ N 92° 13.2′ W	**Fl.W.** period 4s	49 **15**			
15354.5 *G 3397.5*	-Rear.	14° 31.9′ N 92° 13.1′ W	**Fl.W.** period 4s	95 **29**			
15355 *G 3394*	Champerico, near pier, head.	14° 17.7′ N 91° 54.8′ W	**Iso.W.** period 4s	68 **21**	13	Tower, concrete tank.	
15356 *G 3390*	**San Jose.**	13° 55.1′ N 90° 49.1′ W	**Iso.W.** period 20s	92 **28**	**15**	White framework tower, red bands, white tank.	**Aero Radiobeacon** 6 miles ENE.
	PUERTO QUETZAL:						
15361 *G 3385*	-Entrance Range, front.	13° 55.2′ N 90° 47.5′ W	**Q.W.**	43 **13**	12	White framework tower, red rectangular daymark, white stripe.	
15361.5 *G 3385.1*	--Rear, about 200 meters 295° from front.	13° 55.3′ N 90° 47.6′ W	**Oc.W.** period 4s	59 **18**	12	Tower, red rectangular daymark, white stripe.	
15362 *G 3386*	-No 1, S. breakwater.	13° 55.3′ N 90° 47.6′ W	**Q.G.**	39 **12**	4	Green square daymark.	
15362.5 *G 3386.4*	-No 2, N. breakwater.	13° 55.1′ N 90° 47.1′ W	**Q.R.**	43 **13**	4	Red triangular daymark point up.	
15363 *G 3386.8*	-No 4.	13° 55.2′ N 90° 47.3′ W	**Q.Y.**			Yellow post, yellow triangular daymark point up.	
15363.5 *G 3386.6*	-AVIATION LIGHT.	13° 55.4′ N 90° 46.9′ W	**Fl.(2)W.** period 5s	98 **30**	**15**	Red metal framework tower, white bands.	
			EL SALVADOR				
15364 *G 3380*	Acajutla.	13° 34.9′ N 89° 50.0′ W	**Iso.W.** period 24s	82 **25**	8	White metal framework tower; 30.	
15368 *G 3382*	-National pier, head.	13° 34.7′ N 89° 50.5′ W	**Iso.R.** period 4s	69 **21**	7	Metal framework tower; 52.	
15372 *G 3378*	Punta Remedios.	13° 31.4′ N 89° 48.3′ W	**L.Fl.W.** period 20s fl. 2s, ec. 18s	82 **25**	14	White metal framework tower; 39.	
15384 *G 3366*	Punta Chiquirin, S. extremity.	13° 17.5′ N 87° 46.8′ W	**L.Fl.W.** period 13s	68 **21**	10	Aluminum tower, concrete base.	
15388 *G 3367*	Isla Zacatillo (Isla Punta Zacate), NW. side of island.	13° 18.7′ N 87° 46.1′ W	**L.Fl.W.** period 14s	60 **18**	5	Aluminum tower, concrete base.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			EL SALVADOR				
15392 *G 3370*	Port of La Union, SE. pier.	13° 20.1′ N 87° 49.2′ W	**Fl.Y.** period 5s				
15392.4 *G 3370.2*	-Center pier.	13° 20.1′ N 87° 49.2′ W	**Fl.Y.** period 5s				
15392.8 *G 3370.4*	-NW pier.	13° 20.2′ N 87° 49.3′ W	**Fl.Y.** period 5s				
15393 *G 3363*	Isla del Tigre.	13° 16.5′ N 87° 38.5′ W	**Iso.R.** period 2s				
15394 *G 3362*	Punta Amapala.	13° 09.4′ N 87° 54.0′ W	**Fl.W.** period 15s fl. 1.5s, ec. 13.5s	90 **27**	12	Square aluminum framework tower.	
			NICARAGUA				
15398 *G 3356*	Islas Farallones.	13° 04.8′ N 87° 40.9′ W	**Q. W.**				
	PUERTO CORINTO:						
15400 *G 3352*	-Morro Cardon, N. point of Isla El Cardon.	12° 28.5′ N 87° 11.4′ W	**L.Fl.W.** period 10s fl. 3s, ec. 7s	87 **27**	10	White round concrete tower, red lantern; 43.	
15404 *G 3353*	-Entrance Range No 1, front.	12° 29.1′ N 87° 10.7′ W	**F.R.**			Beacon.	
15408 *G 3353.1*	--Rear, No 2, 720 meters 076°42′ from front.	12° 29.2′ N 87° 10.2′ W	**Fl.R.** period 10s			Beacon.	
15412 *G 3354*	-Dona Paula Range, No 3, on Castanones Peninsula, front.	12° 27.9′ N 87° 10.2′ W	**F.G.**			Beacon.	
15416 *G 3354.1*	--Rear, No 4, 810 meters 122°24′ from front.	12° 27.7′ N 87° 09.9′ W	**Fl.G.** period 4s			Beacon.	
15420 *G 3355*	-Isla En Cantada Range, No 5, front.	12° 28.8′ N 87° 09.2′ W	**F.R.**			Beacon.	
15424 *G 3355.1*	--Rear, No 6, 250 meters 074°32′ from front.	12° 28.9′ N 87° 09.1′ W	**Fl.R.** period 10s			Beacon.	
15428 *G 3351.4*	Puerto Somoza.	12° 11.7′ N 86° 44.7′ W	**Fl.W.** period 10s				
	PUERTO SONDINO:						
15432 *G 3351.6*	-Range, front.	12° 11.4′ N 86° 45.8′ W	**F.G.**		10	Black and white checkered tower.	
15436 *G 3351.7*	--Rear, 245 meters 080° from front.	12° 11.5′ N 86° 45.7′ W	**Oc.G.** period 9s lt. 7s, ec. 2s		10	Black and white checkered tower.	
15440 *G 3350*	**San Juan del Sur.**	11° 14.6′ N 85° 52.9′ W	**Fl.W.** period 6s	100 **30**	**16**	White round wooden tower, red lantern; 15.	
15444 *G 3351*	-Head of bay, Range, front.	11° 15.4′ N 85° 52.4′ W	**Fl.R.** period 6s fl. 1s, ec. 5s	33 **10**	5	Building, green roof; 33.	
15448 *G 3351.1*	--Rear, 213 meters 067° from front.	11° 15.4′ N 85° 52.3′ W	**F.R.**	53 **16**	5	White tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
			COSTA RICA				
15454 *G 3322*	Puerto Caldera.	9° 54.8′ N 84° 43.5′ W	**Fl.R.** period 5s				
	GOLFO DE NICOYA:						
15456 *G 3320*	-Puntarenas pier.	9° 58.2′ N 84° 49.8′ W	**Iso.R.** period 2s				
15460 *G 3316*	**Isla Herradura.**	9° 37.7′ N 84° 40.5′ W	**Fl.(4)W.** period 10s	325 **99**	**15**	Metal framework tower; 39.	
15462 *G 3346*	**Isla Cabo Blanco.**	9° 32.5′ N 85° 06.7′ W	**Fl.(2)W.** period 18s		**20**		
	QUEPOS ANCHORAGE:						
15464 *G 3310*	-Punta Quepos.	9° 23.8′ N 84° 10.5′ W	**Fl.W.** period 3s fl. 0.5s, ec. 2.5s	511 **156**	8	Metal framework tower; 39.	Visible 295°-192°.
15468 *G 3306*	Isla del Cano, W. end.	8° 42.9′ N 83° 53.8′ W	**Fl.W.** period 4s fl. 0.5s, ec. 3.5s	207 **63**	12	Metal framework tower, red lantern; 72.	Visible 311°-247°.
15469 *G 3282*	Cabo Matapalo.	8° 22.5′ N 83° 17.5′ W	**Fl.W.** period 10s				
15470 *G 3282.5*	Punta Banco.	8° 21.6′ N 83° 08.0′ W	**Fl.(2)W.** period 15s				
15472 *G 3284*	Golfito, Curupacha Point, W. of entrance.	8° 38.0′ N 83° 13.0′ W	**Fl.W.** period 4s	300 **91**	12	Yellow metal framework tower.	
	GOLFITO HARBOR:						
15476 *G 3288*	-Beacon H, S. side of entrance, 926 meters S. of Voladero Pt.	8° 36.8′ N 83° 11.0′ W	**Fl.R.** period 3s fl. 0.5s, ec. 2.5s	30 **9**		Red metal framework tower.	**Radar reflector.**
15480 *G 3290*	-Beacon A, N. side of entrance of Voladero Pt.	8° 37.3′ N 83° 10.9′ W	**Q.G.**	15 **5**		Green metal framework tower.	
15484 *G 3286*	-Beacon, entrance Range, front.	8° 38.1′ N 83° 09.8′ W	**F.R.**			White diamond daymark, black stripe.	
15488 *G 3286.1*	--Rear, about 6 meters 047° from front.	8° 38.1′ N 83° 09.8′ W	**F.R.**			White diamond daymark, black stripe.	
15490 *G 3285*	-Beacon, Inner Harbor Range, front.	8° 38.1′ N 83° 10.0′ W	**F.G.**			Orange triangular daymark point up.	
15491 *G 3285.1*	--Rear, about 500 meters 037° from front.	8° 38.4′ N 83° 09.8′ W	**F.G.**			Roof, orange triangular daymark point up.	

Section 15

Radiobeacons

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
			CHILE				
10	Punta Arenos	53° 00.4′ S 70° 51.8′ W	**NAS** **(– • • – • • •).**	330		270 NON, A2A.	AERO.
20	Isla Guarello	50° 21.6′ S 75° 20.1′ W	**IGU** **(• • – – • • • –).**	180		315 A2A.	AERO.
25	Isla San Pedro	47° 43.2′ S 74° 53.0′ W	**ISP** **(• • • • • • – – •).**	240		295 NON, A2A.	
30	Chaiten	42° 55.3′ S 72° 43.0′ W	**TEN** **(– • – •).**	150		234 A2A.	AERO. Transmits Monday-Saturday between 1200Z-1500Z and 2200Z-2359Z. Transmits Sunday between 2200Z-2359Z.
40	Punta Corona Light Station	41° 47.1′ S 73° 53.3′ W	**CONA** **(– • – • – – – – • • –** **).** period 10s tr 7.3s si 2.7s	108		290 NON, A2A.	
70	Constitucion	35° 18.2′ S 72° 23.0′ W	**CTN** **(– • – • – – •).**	240		340 A2A.	AERO.
80	Santo Domingo	33° 38.0′ S 71° 38.0′ W	**SNO** **(• • • – • – – –).**	400		355 A2A.	AERO.
100	Quintero	32° 44.4′ S 71° 30.1′ W	**ERO** **(• • – • – – –).**	85		384 A2A.	AERO.
110	Tongoy	30° 15.8′ S 71° 29.5′ W	**TOY** **(– – – – – • – –).**	400		260 A2A.	AERO.
130	Caldera	27° 04.4′ S 70° 49.9′ W	**CLD** **(– • – • • – • • – • •).**	125		227 A2A.	AERO.
140	Mejillones	23° 06.4′ S 70° 27.4′ W	**MJL** **(– – • – – – • – • •).**	240		240 A2A.	AERO.
150	Iquique/Cavancha	20° 34.0′ S 70° 10.9′ W	**UCU** **(• • – – • – • • • –).**	170		368 A2A.	AERO.
160	Arica	18° 21.0′ S 70° 19.4′ W	**ARI** **(• – • – • • •).**	240		340 A2A.	AERO.
			PERU				
190	Salinas	11° 17.6′ S 77° 34.1′ W	**SLS** **(• • • • – • • • • • •).**	150		390 A2A.	AERO.
200	Isla Mazorca Light Station	11° 22.6′ S 77° 44.5′ W	**P** **(• – – •).** period 360s tr 60s si 300s	25		310.4 A2A.	
210	Trujillo	8° 05.4′ S 79° 06.8′ W	**TRU** **(– • – • • • –).**	200		400 A2A.	AERO.
230	Chiclayo	6° 46.5′ S 79° 50.0′ W	**HIC** **(• • • • • • – • – •).**	250		320 A2A.	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
			ECUADOR				
250	Machala	3° 16.0′ S 79° 59.0′ W	**MHL** **(– – • • • • • – • •).**	50		250 NON, A2A.	AERO.
260	Santa Elena	2° 11.0′ S 80° 59.7′ W	**ST** **(• • • –).** period 60s tr (interrupted by a long dash) 50s si 10s	200	I, IV	292 NON, A2A.	
262	Esmeraldas	0° 59.1′ S 79° 40.5′ W	**ED** **(• – • •).** period 60s tr (interrupted by a long dash) 50s si 10s	200	II, V	292 NON, A2A.	
264	Isla San Cristobal (Galapagos Islands)	0° 55.6′ S 89° 30.7′ W	**IC** **(• • – • – •).** period 60s tr (interrupted by a long dash) 50s si 10s	200	III, VI	292 NON, A2A.	
			COLOMBIA				
280	Guapi	2° 36.0′ N 78° 05.0′ W	**GPI** **(– – • • – – • • •).**	216		307	AERO. Transmits between the hours of 1100Z-1900Z.
			PANAMA - PACIFIC COAST				
310	Taboga	8° 47.2′ N 79° 33.7′ W	**TBG** **(– – • • • – – •).**	500		311 A2A.	AERO.
320	David	8° 23.3′ N 82° 25.7′ W	**TA** **(– • –).**	100		350 A2A.	AERO.
			GUATEMALA				
330	Iztapa	13° 56.0′ N 90° 44.0′ W	**IZP** **(• • – – • • • – – •).**	170		400	AERO.
			UNITED STATES				
430	San Clemente Island, California	33° 02.0′ N 118° 34.0′ W	**NUC** **(– • • • – – • – •).**			350	AERO.
840	Ediz Hook Light Station, Washington	48° 08.4′ N 123° 24.1′ W	**K** **(– • –).** period 60s tr 50s (—) 10s	20		317 A2A.	
854	Race Rocks Light Station, Canada	48° 17.9′ N 123° 31.8′ W	**J** **(• – – –).** period 360s tr(3) 60s si 300s	40	IV	314 A2A.	Carrier signal.
860	Neah Bay, Washington	48° 21.0′ N 124° 33.0′ W	**EBY** **(• – • • • – • – –).**			391	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
			CANADA				
910	Tofino	49° 02.9′ N 125° 42.3′ W	**YAZ** **(– • – – • – – – • •).**	50		359 A2A.	Carrier signal. A bearing error could result from coastal refraction.
930	Albert Head Calibration Radiobeacon	48° 23.2′ N 123° 28.6′ W	**T** **(–).**			300 A2A.	Transmits upon request through Victoria Marine Radio (VAK).
940	Victoria/Sidney Island	48° 37.7′ N 123° 19.1′ W	**YJ** **(– • – – • – – –).**	75		233 A2A.	AERO.
950	Active Pass	48° 52.4′ N 123° 17.4′ W	**AP** **(• – • – – •).**	50		378 A2A.	Carrier signal. A bearing error could result from coastal refraction.
960	Comox	49° 45.0′ N 124° 57.0′ W	**QQ** **(– – • – – – • –).**			400	AERO.
1050	McInnes Island Light Station	52° 15.7′ N 128° 43.3′ W	**MS** **(– – • • •).**	100		388 A2A.	Carrier signal.
1080	Dead Tree Point	53° 21.0′ N 131° 56.4′ W	**Z** **(– – • •).**	25		248 A2A.	AERO.
1100	Prince Rupert	54° 15.8′ N 130° 25.3′ W	**PR** **(• – – • • – •).**	100		218 A2A.	
			UNITED STATES - ALASKA				
1140	Sitka (Biorka Island)	56° 51.0′ N 135° 32.0′ W	**SIT** **(• • • • • –).**	50		344 NON, A2A.	AERO.
1160	Elephant (Sisters Island)	58° 10.0′ N 135° 15.0′ W	**EEF** **(• • • • – •).**	50		391 NON, A2A.	AERO.
1180	Gustavus	58° 25.0′ N 135° 42.0′ W	**GAV** **(– – • • – • • • –).**			219	AERO.
1190	Ocean Cape	59° 33.0′ N 139° 44.0′ W	**OCC** **(– – – – • – • – • – •).**	50		385 NON, A2A.	AERO.
1210	Cape Hinchinbrook Light Station	60° 14.3′ N 146° 38.8′ W	**W** **(• – –).** period 60s tr 50s (—) 10s	100		292 A2A.	
1220	Hinchinbrook	60° 24.0′ N 146° 05.0′ W	**HBK** **(• • • • – • • • – • –).**			362	AERO.
1230	Anchorage	61° 10.0′ N 150° 03.0′ W	**CMQ** **(– • – • – – – – • –).**			338	AERO.
1240	Wildwood	60° 36.0′ N 151° 12.0′ W	**IWW** **(• • • – – • – –).**	50		379 NON, A2A.	AERO.
1250	Kachemak	59° 39.0′ N 151° 30.0′ W	**ACE** **(• – – • – • •).**	50		277 NON, A2A.	AERO.
1260	Woody Island	57° 46.0′ N 152° 19.0′ W	**RWO** **(• – • • – – – – –).**	50		394 NON, A2A.	AERO. South course ambiguous.
1270	King Salmon	58° 44.0′ N 156° 47.0′ W	**AK** **(• – – • –).**			400	AERO.
1280	Adak	51° 55.1′ N 176° 33.8′ W	**NUD** **(– • • • – – • •).**	50		347 NON, A2A.	AERO.
1290	Cold Bay	55° 18.0′ N 162° 47.0′ W	**CD** **(– • – • – • •).**	50		341 NON, A2A.	AERO.
1310	Cape Romanzof	61° 48.0′ N 165° 58.0′ W	**CZF** **(– • – • – – • • • • – •).**	50		275 NON, A2A.	AERO.
1320	North River	63° 55.0′ N 160° 49.0′ W	**JNR** **(• – – – – • • – •).**	50		382 NON, A2A.	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
			UNITED STATES - ALASKA				
1330	Moses Point	64° 42.0′ N 162° 04.0′ W	**OAY** **(– – – • – – • – –).**	50		263 NON, A2A.	AERO.
1340	Fort Davis	64° 30.0′ N 165° 19.0′ W	**FDV** **(• • – • – • • • • • –).**	50		529 NON, A2A.	AERO.
1350	Hotham (Kotzebue)	66° 54.0′ N 162° 34.0′ W	**HHM** **(• • • • • • • • – –).**	50		356 NON, A2A.	AERO.
1360	Point Lay	69° 44.0′ N 163° 01.0′ W	**PIZ** **(• – – • • • – – • •).**	50		251 NON, A2A.	AERO.
1370	Wainwright	70° 37.0′ N 159° 52.0′ W	**AIN** **(• – • • – •).**	50		266 NON, A2A.	AERO.
1380	Browerville	71° 18.0′ N 156° 44.0′ W	**NMT** **(– • – – –).**	50		281 A2A.	AERO.
1390	Lonely	70° 55.0′ N 153° 15.0′ W	**LNI** **(• – • • – • • •).**	50		316 NON, A2A.	AERO.
1400	Oliktok	70° 30.0′ N 149° 53.0′ W	**OLI** **(– – – • – • • • •).**	50		329 NON, A2A.	AERO.
1410	Barter Island	70° 08.0′ N 143° 39.0′ W	**BTI** **(– • • • – • •).**	50		308 NON, A2A.	AERO.
			CANADA - ARCTIC COAST				
1420	Komakuk	69° 36.0′ N 140° 11.0′ W	**AJ** **(• – • – – –).**			239	AERO.
			HAWAIIAN ISLANDS				
1430	Barbers Point Calibration Radiobeacon	21° 18.0′ N 158° 06.5′ W	**BP** **(– • • • • – – •).** period 30s tr(2) 10s (—) 20s	5		310, 480, 2173.5, 2634 A2A.	Transmits upon request to Coast Guard Communication Station Honolulu, on VHF channel 16, 24 hours in advance, or by letter to Commander, 14th Coast Guard District, Honolulu, Hawaii 96850, 7 days in advance.
1440	Pahoa	19° 32.0′ N 154° 58.0′ W	**POA** **(• – – • – – – • –).**	50		332 NON, A2A.	AERO.
			NORTH PACIFIC ISLANDS				
1450	Johnston Atoll, Apollo	16° 44.0′ N 169° 32.0′ W	**APO** **(• – • – – • – – –).**	50		388 NON, A2A.	AERO. Does not transmit 0300-0400 Saturdays and Sundays.
1460	Midway (Sand Island)	28° 12.2′ N 177° 22.8′ W	**MDY** **(– – – • • – • – –).**	75		400 NON, A2A.	AERO.
1465	Tarawa	1° 23.5′ N 173° 08.1′ E	**TW** **(– • – –).**	200		375 N0N, A2A.	AERO.
	Marshall Islands:						
1470	-Uliga	7° 06.0′ N 171° 23.0′ E	**MAJ** **(– – • – • – – –).**	240		316 NON, A2A.	AERO.
1475	-Airport	7° 04.1′ N 171° 17.0′ E	**MEJ** **(– – • • • – – –).**			316	AERO.
1480	-Bucholz, Kwajalein	8° 43.0′ N 167° 44.0′ E	**NDJ** **(– • – • • • – – –).**	80		359 A2A.	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
			NORTH PACIFIC ISLANDS				
1490	Minami-Tori Shima (Marcus Island)	24° 17.5′ N 153° 59.1′ E	**ML** **(– – • – • •).**	256		343 A2A.	AERO.
1510	Yap, Caroline Islands	9° 30.0′ N 138° 06.0′ E	**YP** **(– • – – • – – •).**	100		317 NON, A2A.	AERO.
1520	Koror, Palau Islands	7° 21.0′ N 134° 28.0′ E	**ROR** **(• – • – – – • – •).**	80		371 NON, A2A.	AERO.
	Mariana Islands:						
1530	-Guam	13° 22.0′ N 144° 44.0′ E	**AJA** **(• – • – – – • –).**	300		385 A2A.	AERO.
1540	-Saipan	15° 07.0′ N 145° 43.0′ E	**SN** **(• • • – •).**	80		312 A2A.	AERO.
			PAPUA NEW GUINEA				
1570	Kavieng, New Ireland, Bismarck Archipelago	2° 35.3′ S 150° 48.8′ E	**KAV** **(– • – • – • • • –).**	120		368 NON, A2A.	AERO.
1592	Daru	9° 04.6′ S 143° 12.6′ E	**DAU** **(– • • • – • • –).**	110 100		290 N0N, A2A.	AERO.
			SOLOMON ISLANDS				
1610	Kieta, Bougainville	6° 18.0′ S 155° 43.0′ E	**KIA** **(– • – • • • –).**	50 30		374 N0N, A2A.	AERO.
1620	Ghizo Island	8° 06.0′ S 156° 50.0′ E	**GZ** **(– – • – – • •).**	40		328 NON, A2A.	AERO.
1630	Honiara, Guadalcanal	9° 25.0′ S 160° 03.0′ E	**HN** **(• • • • – •).**	150		348 N0N, A2A.	AERO.
1635	Kirakira, San Cristobal	10° 27.0′ S 161° 55.4′ E	**KK** **(– • – – • –).**	150		288 N0N, A2A.	AERO.
			SOUTH PACIFIC ISLANDS				
1650	Lord Howe Island	31° 31.0′ S 159° 04.0′ E	**LHI** **(• – • • • • • • •).**	140 110		272 NON, A2A.	AERO.
1655	Norfolk Island	29° 00.0′ S 167° 55.0′ E	**NF** **(– • • • – •).**	110		260 N0N, A2A.	AERO.
	New Caledonia:						
1670	-Noumea (La Tontouta)	21° 59.5′ S 166° 10.0′ E	**FND** **(• • – • – • – • •).**	200		354 A1A.	AERO.
1680	-Touho	20° 48.0′ S 165° 15.0′ E	**TH** **(– • • • •).**	25		256 A1A.	AERO.
1685	Houailou, Nessan	21° 15.5′ S 165° 36.7′ E	**HL** **(• • • • • – • •)**	25		284 A1A.	AERO.
1690	Port Vila, Efate, New Hebrides	17° 44.0′ S 168° 18.0′ E	**PV** **(• – – • • • • –).**	150		300 A2A.	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
			SOUTH PACIFIC ISLANDS				
1700	Graciosa Bay, Santa Cruz Islands	10° 43.0′ S 165° 47.0′ E	**GB** **(– – • – • • •).**	150		370 N0N, A2A.	AERO.
1703	Funafuti, Tuvalu Islands	8° 31.0′ S 179° 12.9′ E	**FU** **(• • – • • • –).**	100		340 NON, A2A.	AERO.
1780	Upolo Island, Samoa	13° 49.1′ S 172° 00.7′ W	**FA** **(• • – • • –).**	200		270 A2A.	AERO.
	Cook Islands:						
1790	-Rarotonga	21° 12.0′ S 159° 49.0′ W	**RG** **(• – • – – •).**	250		352 A2A.	AERO. Unreliable 120°-170°.
1800	-Aitutaki	18° 50.0′ S 159° 45.0′ W	**AI** **(• – • •).**	100		320 A2A.	AERO.
	Iles Tubuai:						
1805	-Rurutu	22° 27.0′ S 151° 20.5′ W	**RT** **(• – • –).**	100		282.5 A1A.	AERO.
			ILES DE LA SOCIETE				
1830	Moorea	17° 28.7′ S 149° 46.5′ W	**MO** **(– – – – –).**	100		377.5 A1A.	AERO.
1840	Huahine	16° 41.0′ S 151° 02.0′ W	**HH** **(• • • • • • • •).**	100		345 A1A.	AERO.
1850	Uturoa, Ile Raiatea	16° 43.0′ S 151° 28.0′ W	**RU** **(• – • • • –).**	100		372 A1A.	AERO.
1860	Motu Mute	16° 27.0′ S 151° 45.0′ W	**BB** **(– • • • – • • •).**	100		384 A1A.	AERO.
			ILES TUAMOTU				
1890	Takapoto	14° 42.0′ S 145° 15.0′ W	**TP** **(– • – – •).**	125		349 A1A.	AERO.
1905	Fangatau	15° 49.5′ S 140° 54.0′ W	**FN** **(• • – • – •).**	125		339 A1A.	
1910	Iles Gambier	23° 05.4′ S 134° 52.6′ W	**MG** **(– – – – •).**	125		341 A1A.	AERO.
			AUSTRALIA				
1980	Lancelin	31° 01.6′ S 115° 20.3′ E	**LCI** **(• – • • – • – • • •)**	60		245 N0N, A2A.	AERO.
2110	Whyalla	33° 04.0′ S 137° 31.0′ E	**WHA** **(• – – • • • • • –).**	75		371 NON, A2A.	AERO.
2165	Learmonth	22° 14.5′ S 114° 05.7′ E	**LM** **(• – • • – –).**	90		396 NON, A2A.	AERO.
2175	Wanaea	19° 35.4′ S 116° 26.7′ E	**XCOS** **(– • • – – • – • – – – • • •).**	43		290 A2A.	

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
			AUSTRALIA				
2180	Broome	17° 56.0′ S 122° 14.0′ E	**BRM** **(– • • • • – • – –).**	80 60		320 NON, A2A.	AERO.
2187	Jabira Venture	11° 55.5′ S 125° 00.4′ E	**JVX** **(• – – – • • • – – • • –).**	100		436. NON, A2A.	May be inoperative during adverse weather.
2188	Challis	12° 07.4′ S 125° 00.6′ E	**XCHA** **(– • • – – • – • • • • • • –).**	100		404 NON, A2A.	
2220	Gove	12° 16.5′ S 136° 49.5′ E	**GV** **(– – • • • • –).**	110		380 NON, A2A.	AERO.
			NEW ZEALAND				
2330	Napier	39° 28.0′ S 176° 52.0′ E	**NR** **(– • • – •).**	50		354 A2A.	AERO.
2335	Wellington	41° 20.4′ S 174° 48.8′ E	**WN** **(• – – – •).**	100		298 A2A.	AERO.
2340	Cape Campbell	41° 44.0′ S 174° 16.0′ E	**CC** **(– • – • – • – •).**	100		286 A2A.	AERO.
2380	Ashburton	43° 54.0′ S 171° 48.0′ E	**AS** **(• – • • •).**	50		254 A2A.	AERO.
2390	Oamaro	44° 56.0′ S 171° 07.0′ E	**OU** **(– – – • • –).**	50		302 A2A.	AERO.
2430	Hokitika	42° 44.0′ S 170° 57.0′ E	**HK** **(• • • • – • –).**	100		310 A2A.	AERO.
2450	Appleby	41° 18.0′ S 173° 08.0′ E	**AY** **(• – – • – –).**	65		210 A2A.	AERO.
2480	Wanganui	39° 58.0′ S 175° 02.0′ E	**WU** **(• – – • • –).**	50		382 A2A.	AERO. Unreliable 325°-065°.
2490	New Plymouth	39° 00.2′ S 174° 10.9′ E	**NP** **(– • • – – •).**	60		370 A2A.	AERO.
			ANTARCTICA				
2500	Mawson	67° 36.0′ S 62° 53.0′ E	**VLV** **(• • • – • – • • • • • –).**	180		400 A2A.	AERO. Transmits upon request through Mawson (VLV) on 3023 kHz.
2510	Davis Anchorage	68° 35.0′ S 77° 58.0′ E	**VLZ** **(• • • – • – • • – – • •).**	180		392	AERO. Transmits upon request through Davis (VLZ) on 3023 kHz.
2520	Casey	66° 17.0′ S 110° 33.0′ E	**VNJ** **(• • • – – • • – – –).**	180		400 A2A.	AERO. Transmits upon request through Casey (VNJ) on 3023 kHz.

Section 16

Differential GPS Stations

(1) No.	(2) Name	(3) Position	(4) Station ID	(5) Range	(6) Frequency	(7) Transfer Rate	(8) Remarks
		CANADA					
200	Amphitrite Point, British Columbia	48° 55.0′ N 125° 33.0′ W	T 908 R 302 R 303	189	315	200	
205	Richmond, British Columbia	49° 11.0′ N 123° 07.0′ W	T 907 R 304 R 305	92	320	200	Message Types: 3,5,6,7,9,16.
210	Alert Bay, British Columbia	50° 35.0′ N 126° 55.0′ W	T 909 R 300 R 301	243	309	200	
215	Sandspit, British Columbia	53° 14.0′ N 131° 49.0′ W	T 906 R 306 R 307	189	300	200	Message Types: 3,5,6,7,9,16.
		HAWAIIAN ISLANDS					
400	Kokole Point	21° 59.0′ N 159° 45.5′ W	T 880	300	300	200	
410	Upolu Point	20° 14.8′ N 155° 53.0′ W	T 879	170	285	100	
		UNITED STATES-ALASKA					
450	Cold Bay	55° 05.5′ N 162° 31.9′ W	T 838	180	289	100	
460	Kodiak	57° 37.1′ N 152° 11.6′ W	T 897	180	313	100	
470	Kenai	60° 40.1′ N 151° 21.0′ W	T 896	170	310	100	
480	Potato Point	61° 03.4′ N 146° 41.8′ W	T 895	100	298	100	
490	Cape Hinchinbrook	60° 14.3′ N 146° 38.8′ W	T 894	120	292	100	
500	Gustavus	58° 25.1′ N 135° 41.8′ W	T 892	170	288	100	
510	Annette Island	55° 04.1′ N 131° 36.0′ W	T 889	170	323	100	
		UNITED STATES					
600	Whidbey Island, Washington	48° 18.8′ N 122° 41.8′ W	T 888	90	302	100	
610	Robinson Point, Washington	47° 23.3′ N 122° 22.5′ W	T 887	60	323	200	
650	Fort Stevens, Oregon	46° 12.3′ N 123° 57.4′ W	T 886	180	287	100	
660	Cape Mendocino, California	40° 26.4′ N 124° 24.4′ W	T 885	180	292	100	

(1) No.	(2) Name	(3) Position	(4) Station ID	(5) Range	(6) Frequency	(7) Transfer Rate	(8) Remarks
		UNITED STATES					
670	Point Blunt, California	37° 51.2′ N 122° 25.1′ W	T 884	60	310	200	
680	Pigeon Point, California	37° 11.2′ N 122° 23.4′ W	T 883	180	287	100	
690	Point Arguello, California	34° 34.4′ N 120° 38.4′ W	T 882	180	321	100	
700	Point Loma, California	32° 39.9′ N 117° 14.6′ W	T 881	180	302	100	
		AUSTRALIA					
	-Bora Bora:						
3000	Sydney	33° 59.2′ S 150° 58.7′ E	T 703	150	308	200	Range is calculated not measured.
3100	Gladstone	24° 02.3′ S 151° 21.5′ E	T 706 R 6	200	313	200	Message Types: 3, 5, 7, 9, 16.
3200	Ingham	18° 33.3′ S 146° 18.3′ E	T 708 R 8	200	306	200	Message Types: 3, 5, 7, 9, 16.
3300	Horn Island	10° 35.5′ S 142° 16.5′ E	T 702 R 2	150	320	200	Message Types: 3, 5, 7, 9, 16.
3400	Cape Flattery	14° 58.0′ S 145° 18.0′ E	T 705	150	304	200	Range is calculated not measured.
3500	Mackay	21° 06.2′ S 149° 12.7′ E	T 704	150	315	200	Range is calculated not measured.
3700	Brisbane	27° 04.0′ S 153° 03.0′ E	T 707 R 7	226	294	200	Message Types: 3, 5, 6, 7, 9, 16.
3800	Karratha	20° 42.4′ S 116° 47.0′ E	T 700 R 1	200	304	200	Message Types: 3, 5, 6, 7, 9, 16.
3900	Weipa	12° 39.2′ S 141° 51.6′ E	T 709 R 9	200	316	200	Message Types: 3, 5, 6, 7, 9, 16.
4000	Perth	31° 47.9′ S 115° 56.0′ E	T 712 R 12	200	306	200	Message Types: 3, 5, 6, 7, 9, 16.
4100	Albany	35° 05.2′ S 117° 54.1′ E		200	315	200	Message Types: 3, 5, 6, 7, 9, 16.
4200	Mallacoota	37° 34.1′ S 149° 44.0′ E	T 713 R 13	200	318	200	Message Types: 3, 5, 6, 7, 9, 16.
4300	Darwin	12° 26.7′ S 130° 57.5′ E	T 714 R 14		294	200	Message Types: 3, 5, 7, 9, 16.
4400	Exmouth	21° 53.1′ S 114° 08.0′ E	T 715 R 15	200	297	200	Message Types: 3, 5, 7, 9, 16.

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G1891.3		1213
G1891.5		1215
G1892		1212
G1892.5		1211
G1892.8		1210
G1893		1209.5
G1896		1208
G1896.2		1208.5
G1896.3		1209
G1896.5		1205
G1896.6		1204
G1896.7		1188
G1897		1192
G1897.1		1192.5
G1898		1193
G1898.1		1193.5
G1898.3		1194
G1898.31		1194.5
G1898.49		1195.5
G1898.5		1195
G1898.51		1195.7
G1898.7		1196
G1898.71		1196.5
G1900		1184
G1900.5		1176
G1901		1180
G1901.5		1177
G1904		1172
G1906		1166
G1908		1168
G1915		1165
G1916		1164
G1916.5		1163.8
G1918.2		1161
G1918.21		1161.25
G1918.39		1162.5
G1918.4		1162
G1918.5		1162.8
G1918.59		1162.82
G1918.6		1162.81
G1918.61		1162.83
G1918.8		1162.9
G1918.81		1162.95
G1919		1163.6
G1919.1		1163
G1919.11		1163.5
G1921		1156
G1921.2		1155.8
G1921.5		1155.5
G1922		1151
G1923		1150
G1924		1148
G1924.2		1149
G1924.22		1149.5
G1924.5		1147
G1925.6		1142
G1925.61		1143
G1926		1144
G1930		1143.5
G1933		1140
G1935.5		1141
G1936		1130
G1937		1129
G1938		1128
G1940		1127
G1945		1125
G1945.1		1125.5
G1946		1124
G1947		1120
G1947.2		1126
G1947.3		1126.5
G1947.6		1118
G1947.61		1118.1
G1947.68		1117.12
G1947.681		1117.13
G1947.682		1117.14
G1948		1112
G1952		1108
G1952.1		1097
G1952.2		1097.1
G1952.21		1097.2
G1953		1098
G1954		1100
G1954.2		1099.1
G1954.3		1099
G1954.4		1099.2
G1955.1		1101
G1955.11		1101.5
G1955.2		1102
G1955.21		1102.5
G1955.25		1102.6
G1955.3		1103
G1955.31		1103.5
G1955.35		1103.6
G1955.38		1103.7
G1955.381		1103.8
G1955.4		1104
G1955.41		1104.5
G1955.51		1107
G1955.52		1106
G1955.53		1105.6
G1955.535		1105.5
G1955.54		1105
G1955.6		1109
G1955.61		1110
G1955.615		1110.5
G1955.62		1111
G1955.625		1111.5
G1956		1096
G1958		1084
G1960		1080
G1961		1078
G1963		1076
G1963.2		1077
G1963.21		1077.1
G1963.3		1077.2
G1963.31		1077.3
G1963.4		1077.4
G1963.41		1077.5
G1963.5		1077.6
G1963.51		1077.7
G1964		1072
G1968		1036
G1969		1040
G1969.2		1042
G1972		1048
G1974		1060
G1974.1		1064
G1974.3		1050
G1978		1028
G1984		1012
G1985		1016
G1986		1020
G1986.4		1010
G1987		1008
G1991		1152
G1991.1		1152.1
G1992		1152.5
G1993		1152.6
G1994		1153
G1994.5		1154
G1995		1155
G1996		1004
G2000		1000
G2000.4		998
G2001		996
G2002		992
G2003.4		980
G2004		984
G2004.1		988
G2006		978
G2006.1		979
G2010		976
G2011		948
G2011.4		968
G2011.6		972
G2013		951
G2013.1		955
G2014		944
G2016		936
G2018		932
G2022		924
G2025		920
G2028		916
G2028.5		915
G2029.4		900
G2029.5		904
G2029.7		912
G2029.8		908
G2029.9		914
G2030		896
G2032		892
G2033		888
G2033.5		856
G2033.8		868
G2034		864
G2035.6		872
G2036		885
G2036.1		886
G2038		880
G2038.2		884
G2039		876
G2040.55		860
G2041		846
G2042		845
G2043		844
G2045		840
G2046		836
G2048		837
G2049		812
G2050		816
G2052		788
G2053		780
G2053.4		784
G2054		786
G2054.1		786.5
G2055		805.2
G2055.4		809
G2055.41		809.5
G2055.7		806
G2055.94		805.5
G2056.3		805.4
G2056.5		805.6
G2056.6		805.7
G2058		796
G2059		792
G2061		770
G2062		768
G2063		756
G2063.4		764
G2063.6		754
G2065		752

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.
G2067	744	G3028.6	517	G3096.34	292	G3180	160
G2068	740	G3029	520	G3096.36	295	G3182	156
G2069	736	G3029.4	521	G3096.4	260	G3184	152
G2071	732	G3031	496	G3097	256	G3185	148
G2074	728	G3032	492	G3097.4	254	G3186	144
G2075	724	G3033	488	G3098	236	G3187	157
G2076	716	G3035	480	G3098.5	244	G3188	136
G2080	712	G3037	444	G3098.6	248	G3188.5	131
G2084.4	708	G3038	452	G3098.8	252	G3189	132
G2085	700	G3038.1	456	G3100	336	G3191	128
G2086	696	G3040.6	460	G3101	328	G3192	140
G2086.2	702	G3040.8	450	G3101.5	329	G3194	124
G2086.3	703	G3040.81	450.1	G3102	331	G3198	96
G2086.4	698	G3041	462	G3103	334	G3200	104
G2086.5	701	G3041.1	463	G3104	333	G3200.05	106
G2087.95	705	G3042	464	G3105	370.2	G3200.1	108
G2088	692	G3043	468	G3106	348	G3201	97
G2089	680	G3043.1	472	G3106.5	352	G3201.2	98
G2090	684	G3046	474	G3107	360	G3206	120
G2090.2	682	G3046.1	474.5	G3107.1	362	G3208	112
G2090.21	682.5	G3047	475	G3107.5	369.6	G3209	100
G2091	687	G3047.1	475.5	G3108	356	G3214	68
G2091.3	681	G3047.6	476.5	G3109	344	G3214.5	72
G2092	688	G3047.8	477	G3111	369.2	G3215	64
G2096	676	G3047.9	477.3	G3111.5	369	G3216	60
G2106	664	G3048.1	477.7	G3112	368	G3217	56
G2112	636	G3048.2	477.9	G3113	364	G3218	57
G2117	656	G3048.8	442	G3114	340	G3218.1	58
G2119	640	G3049.2	438	G3114.5	341	G3218.5	55
G2121	649	G3049.4	436	G3116	372	G3222	52
G2124	632	G3050	412	G3119	337.5	G3225	42
G2125	628	G3051	416	G3119.1	338	G3225.3	43
G2127	608	G3052	420	G3122	232	G3240	46
G2127.4	616	G3052.3	424	G3124	220	G3242	48
G2127.41	620	G3052.5	425.3	G3124.5	224	G3243	47
G2127.7	622	G3053	426	G3125.4	226	G3246	44
G2127.9	623	G3053.4	425.6	G3125.5	227	G3250	40
G2132	604	G3053.8	429	G3126	216	G3251	45
G2132.7	581	G3053.9	432	G3128	212	G3252	38
G2132.75	582	G3054	430	G3128.5	211	G3254	36
G2132.76	583	G3054.2	431	G3129	210	G3256	32
G2132.8	584	G3054.5	433	G3130.1	213	G3262	28
G2133.2	588	G3055	428	G3130.5	214	G3264	20
G2133.3	592	G3058	408	G3131	215	G3266	12
G2133.35	595	G3060	404	G3132	200	G3267	24
G2133.4	596	G3064	396	G3132.3	203	G3267.5	26
G2133.41	600	G3068	392	G3132.5	203.5	G3268	16
G2133.7	602	G3071	388	G3133	202	G3269	22
G2133.71	602.5	G3073	380	G3133.04	203.4	G3278	8
G2138	580	G3076	376	G3133.06	202.5	G3279	7
G2139	577	G3085	324	G3133.07	202.6	G3279.3	9
G2139.1	578	G3085.5	326	G3136	188	G3279.4	10
G2140	568	G3090	320	G3137	189	G3279.5	11
G2140.5	570	G3090.4	316	G3137.5	190	G3280	4
G2141	572	G3091	312	G3140	184	G3282	15469
G2141.1	576	G3093	308	G3142	186	G3282.5	15470
G2153	544	G3094	304	G3143	183	G3284	15472
G2158	540	G3095	300	G3145	182	G3285	15490
G2159	541	G3096	264	G3147	181	G3285.1	15491
G2180	536	G3096.1	268	G3150	176	G3286	15484
G2200	528	G3096.11	272	G3152	180	G3286.1	15488
G2996	508	G3096.25	284	G3153	174	G3288	15476
G2998	522	G3096.26	288	G3153.2	172	G3290	15480
G3026	500	G3096.3	280	G3153.5	170	G3306	15468
G3028	512	G3096.32	276	G3154	168	G3310	15464

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Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.
G3316	15460	G3434.25	15291	G3475	15148	G3508	14988
G3320	15456	G3434.3	15282.1	G3476	15140	G3508.6	14998
G3322	15454	G3434.4	15282	G3477	15100	G3512	14960
G3346	15462	G3434.45	15282.2	G3478	15104	G3513.2	14953
G3350	15440	G3435	15284	G3480	15120	G3513.25	14952.2
G3351	15444	G3435.1	15288	G3480.2	15116	G3513.5	14944
G3351.1	15448	G3435.5	15273.3	G3480.4	15132	G3513.6	14940
G3351.4	15428	G3436	15273	G3480.41	15136	G3514	14936
G3351.6	15432	G3436.05	15273.7	G3480.54	15098	G3514.4	14932
G3351.7	15436	G3436.06	15273.71	G3480.55	15098.2	G3514.5	14928
G3352	15400	G3436.2	15274	G3480.57	15093	G3515	14926
G3353	15404	G3440	15264	G3480.6	15096	G3515.1	14927
G3353.1	15408	G3442	15260	G3481	15092	G3516	14924
G3354	15412	G3442.2	15261	G3481.4	15088	G3518	14920
G3354.1	15416	G3442.4	15262	G3481.5	15086	G3518.2	14909
G3355	15420	G3442.6	15263	G3481.51	15087	G3518.21	14910
G3355.1	15424	G3444	15256	G3481.57	15085.5	G3518.4	14917
G3356	15398	G3444.2	15254	G3481.6	15085	G3518.41	14918
G3362	15394	G3444.21	15255	G3481.8	15084	G3518.5	14912
G3363	15393	G3444.3	15257	G3482	15080	G3518.51	14916
G3366	15384	G3444.4	15258	G3483	15077	G3518.6	14921
G3367	15388	G3445.5	15253	G3484	15064	G3518.7	14922
G3370	15392	G3446	15252	G3485	15072	G3519	14904
G3370.2	15392.4	G3447	15248	G3485.2	15076	G3519.5	14903
G3370.4	15392.8	G3448	15244	G3490	15052	G3520	14896
G3378	15372	G3450	15242	G3491	15060	G3521	14897
G3380	15364	G3452.2	15238	G3491.4	15061	G3521.1	14898
G3382	15368	G3452.5	15236	G3492	15056	G3521.4	14901
G3385	15361	G3452.7	15234	G3492.4	15056.5	G3522	14892
G3385.1	15361.5	G3453	15232	G3492.6	15057	G3522.5	14885
G3386	15362	G3454	15228	G3492.8	15050	G3523	14884
G3386.4	15362.5	G3455.51	15273.31	G3493	15048	G3523.2	14880
G3386.6	15363.5	G3456	15208	G3494	15012	G3524	14876
G3386.8	15363	G3456.4	15212	G3494.2	15016	G3526	14868
G3390	15356	G3457	15224	G3494.3	15020	G3526.5	14872
G3394	15355	G3459	15200	G3494.4	15014	G3526.6	14870
G3397	15354	G3460	15204	G3494.41	15015	G3526.8	14864
G3397.5	15354.5	G3461	15216	G3495	15022	G3527	14860
G3404	15350	G3463	15217	G3495.5	15010	G3528	14824
G3404.1	15351	G3463.2	15218	G3496	15044	G3530	14828
G3422	15320	G3463.6	15220	G3498	15028	G3531	14832
G3424	15324	G3463.64	15222	G3499	15036	G3532	14836
G3424.2	15328	G3463.65	15222.1	G3499.2	15040	G3532.1	14840
G3424.22	15332	G3463.66	15222.2	G3499.6	15032	G3533	14844
G3424.4	15336	G3464.5	15197	G3500	15024	G3533.1	14848
G3424.41	15340	G3464.6	15198	G3502	15008	G3537	14841
G3424.6	15345	G3465	15196	G3502.3	15007	G3537.2	14842
G3424.61	15346	G3465.7	15192	G3502.5	15006	G3537.35	14850
G3424.7	15334	G3465.75	15190	G3502.7	15004	G3537.4	14816
G3424.8	15341	G3465.8	15185	G3504	14964	G3537.45	14820
G3424.81	15342	G3465.9	15182	G3504.4	14992	G3537.67	14813
G3424.9	15333	G3466	15180	G3504.41	14996	G3537.7	14808
G3425	15316	G3467	15184	G3504.6	14968	G3537.8	14807
G3426	15312	G3468	15188	G3505	14997	G3537.9	14809
G3428	15308	G3469	15160	G3505.1	14997.5	G3538	14806
G3428.5	15306	G3470	15164	G3505.5	15000	G3538.2	14805
G3429	15304	G3470.2	15168	G3505.51	15000.1	G3538.25	14793
G3430	15300	G3470.4	15160.5	G3506	14972	G3538.33	14800
G3431	15292	G3470.41	15161	G3507	14976	G3538.5	14792
G3431.5	15296	G3470.5	15177	G3507.2	14981	G3538.6	14790
G3431.7	15290.5	G3470.51	15178	G3507.4	14979	G3538.8	14789
G3432	15272	G3471	15156	G3507.5	14977	G3539	14788
G3433	15280	G3472	15152	G3507.6	14978	G3539.2	14786
G3434	15276	G3473	15146	G3507.8	14985	G3539.5	14787
G3434.2	15290	G3474	15144	G3507.9	14985.1	G3539.6	14784

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.
G3539.7	14780	G3563.85	14668	G3597	14512	G4768	13768
G3540	14778	G3564	14664	G3598	14500	G4772	13764
G3540.05	14773	G3564.2	14660	G3598.5	14496.5	G5140	13600
G3540.06	14774	G3564.3	14652	G3598.55	14496	G5142	13588
G3540.08	14775	G3564.4	14648	G3598.6	14493	G5149.5	13238
G3540.09	14776	G3564.5	14656	G3598.7	14492	G5150	13232
G3540.13	14777	G3565	14640	G3599	14488	G5150.5	13236
G3540.15	14779	G3565.08	14641	G3599.9	14484	G5152	13584
G3540.3	14772	G3565.2	14644	G3600	14480	G5160	13220
G3540.5	14765	G3565.5	14636	G3600.8	14478	G5160.1	13216
G3542	14756	G3565.55	14637	G3600.9	14477	G5160.2	13220.1
G3542.2	14757	G3565.58	14636.5	G3601	14476	G5160.3	13220.2
G3542.21	14758	G3566	14600	G3602	14472	G5160.9	13220.3
G3542.3	14753	G3566.3	14603	G3602.4	14464	G5160.95	13220.4
G3542.4	14754	G3566.5	14603.1	G3603	14466	G5160.96	13224
G3542.5	14750	G3566.7	14603.2	G3604	14460	G5161	13214
G3542.6	14751	G3568.6	14595	G3606	14456	G5172	14336
G3543	14748.5	G3569	14592	G3609	14452	G5174	14332
G3543.5	14748	G3569.3	14601	G3611	14449	G5178	14276
G3544	14744	G3569.5	14602	G3611.2	14450	G5179	14284
G3544.5	14743	G3570	14588	G3611.8	14448	G5180	14288
G3545	14740	G3572	14604	G3612	14416	G5180.4	14292
G3545.4	14741	G3572.1	14605	G3612.5	14414	G5181	14296
G3546	14736	G3573	14612	G3613	14412	G5182	14300
G3547	14728	G3573.1	14616	G3613.5	14400	G5184	14304
G3547.4	14732	G3574	14620	G3613.6	14401	G5186	14312
G3547.5	14725	G3574.1	14624	G3613.7	14402	G5188	14316
G3547.6	14726	G3575	14628	G3614	14424	G5189	14320
G3550	14718	G3575.2	14632	G3614.1	14428	G5189.4	14308
G3551	14718.5	G3575.3	14634	G3614.3	14432	G5190	14328
G3552	14717	G3575.8	14578	G3614.31	14436	G5190.2	14324
G3553	14708	G3576	14576	G3614.5	14440	G5190.4	14280
G3553.5	14712	G3576.3	14577	G3614.51	14444	G5191	14272
G3553.8	14715	G3576.6	14584	G3615	14409	G5192	14268
G3553.81	14713	G3577	14580	G3615.3	14408	G5194	14264
G3554	14720	G3578	14572	G3615.4	14405	G5198	14260
G3555	14724	G3580	14568	G3615.5	14404	G5200	14256
G3555.5	14724.6	G3582	14564	G3616	14396	G5201	14254
G3555.6	14724.7	G3584	14560	G3616.4	14394	G5202	14252
G3556	14716	G3584.1	14561	G3616.8	14393	G5202.6	14236
G3558	14704	G3584.11	14561.5	G3617	14392	G5203	14240
G3559	14706	G3584.2	14563	G3618	14388	G5203.2	14244
G3559.4	14707	G3584.21	14563.1	G3619	14384	G5203.4	14248
G3560	14705	G3584.3	14563.5	G3619.5	14380	G5204	14160
G3561	14701	G3584.31	14563.6	G3620	14364	G5206	14164
G3561.4	14702	G3584.4	14562	G3621	14368	G5206.4	14168
G3561.8	14703	G3584.41	14562.5	G3622	14376	G5206.6	14172
G3562	14696	G3585	14556	G3626	14372	G5207	14176
G3562.2	14697	G3586	14548	G3626.05	14360.5	G5207.6	14180
G3562.4	14700	G3589.1	14549	G3626.06	14360.6	G5208	14188
G3562.45	14695	G3589.2	14550	G3626.15	14373.5	G5209	14184
G3562.5	14694	G3590	14553	G3626.2	14373	G5210	14192
G3562.55	14691	G3590.1	14554	G3629	14360	G5210.4	14196
G3562.6	14691.5	G3591	14544	G3629.1	14361	G5211	14200
G3562.7	14692	G3591.5	14540	G3629.2	14362	G5213	14208
G3563	14688	G3591.6	14538	G3629.4	14349	G5214	14212
G3563.5	14684	G3591.7	14536	G3629.41	14350	G5214.2	14216
G3563.52	14680	G3592	14532	G3629.5	14353	G5214.6	14220
G3563.58	14685	G3593	14504	G3629.7	14355	G5215	14224
G3563.6	14686	G3594	14516	G3630	14348.5	G5215.4	14228
G3563.7	14673	G3594.1	14520	G3634	14348	G5215.6	14104
G3563.75	14672	G3595	14524	G3635	14344	G5216	14108
G3563.8	14676	G3595.1	14528	G3635.5	14338	G5216.4	14100
G3563.81	14670	G3595.4	14522	G3636	14340	G5217	14096
G3563.83	14669	G3596	14508	G4756	13816	G5217.4	14092

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.
G5218.3	14112
G5219	14088
G5219.4	14148
G5219.6	14120
G5220	14116
G5220.2	14124
G5220.4	14128
G5220.6	14132
G5221	14136
G5221.2	14140
G5221.4	14144
G5224	14084
G5226	14070
G5226.2	14068
G5226.4	14064
G5226.6	14072
G5229.4	14060
G5230	14056
G5231	14040
G5231.4	14052
G5232	14048
G5233	14044
G5234	14036
G5238	14032
G5240	14028
G5240.4	14024
G5241	14020
G5241.7	14014
G5241.75	14011
G5242	14004
G5246	14000
G5247	13996
G5249	13992
G5250	13984
G5251	13980
G5252	13960
G5252.2	13968
G5252.4	13972
G5252.6	13976
G5253	13988
G5253.5	13952
G5254	13948
G5254.1	13944
G5254.2	13956
G5254.3	13964
G5254.5	13940
G5255	13936
G5256	13836
G5256.4	13848
G5257	13840
G5258	13852
G5259	13856
G5260	13860
G5261	13864
G5262	13868
G5262.6	13872
G5263	13876
G5264	13880
G5264.4	13884
G5265	13888
G5266	13892
G5267	13896
G5268	13900
G5269	13904
G5270	13908
G5271	13912
G5272	13916
G5273	13920
G5274	13924
G5276	13928
G5277	13932
G5279	13832
G5280	13828
G5287	13824
G5288	13820
G5292	13800
G5296	13772
G5296.2	13776
G5296.21	13780
G5296.3	13784
G5296.31	13788
G5300	13760
G5306	13740
G5307	13736
G5308	13744
G5308.1	13748
G5310	13704
G5312	13708
G5312.4	13712
G5320	13716
G5322	13720
G5324	13724
G5325	13728
G5326.5	13730
G5328	13700
G5330	13688
G5332	13692
G5333	13696
G5334	13684
G5334.5	13680
G5335	13636
G5336	13632
G5337	13628
G5337.5	13672
G5338	13624
G5339	13616
G5339.4	13617
G5340	13612
G5340.4	13620
G5340.6	13640
G5341	13617.3
G5341.4	13652
G5341.6	13654
G5342	13648
G5342.4	13644
G5343.5	13560
G5344.56	13647
G5344.6	13564
G5344.61	13566
G5344.62	13565
G5344.7	13568
G5344.74	13572
G5345	13664
G5345.2	13556
G5345.3	13576
G5345.7	13580
G5345.8	13548
G5345.9	13544
G5346	13396
G5346.4	13392
G5348	13388
G5349	13398
G5349.5	13399
G5350	13400
G5351	13540
G5351.6	13536
G5352	13532
G5353	13528
G5354	13524
G5355.4	13520
G5356	13512
G5357	13608
G5357.4	13604
G5358	13596
G5359	13592
G5359.5	13510
G5360	13480
G5362	13488
G5364	13496
G5365	13492
G5366	13448
G5367	13500
G5368	13504
G5368.5	13509
G5369	13456
G5370	13460
G5370.4	13464
G5371	13472
G5372	13476
G5373	13508
G5374	13372
G5376.5	13380
G5376.6	13384
G5378	13368
G5378.6	13432
G5379	13428
G5379.2	13424
G5379.4	13420
G5380	13436
G5381	13440
G5382	13344
G5382.2	13348
G5383	13352
G5384	13356
G5385	13360
G5385.1	13364
G5386	13340
G5388	13336
G5390	13332
G5394	13408
G5394.1	13412
G5394.4	13416
G5396	13240
G5397	13244
G5398.6	13244.5
G5398.8	13090
G5398.85	13091
G5399	13113
G5399.1	13113.1
G5400	13112
G5401	13116
G5402.5	13122
G5403	13128
G5403.5	13130
G5404	13136
G5404.5	13138
G5405	13144
G5406	13148
G5408	13160
G5410	13152
G5410.1	13156
G5413	13164
G5413.1	13168
G5413.21	13220.5
G5413.22	13222
G5413.23	13223
G5413.24	13221
G5413.3	13223.1
G5413.31	13223.2
G5413.47	13223.5
G5416.2	13176
G5416.4	13180
G5417	13188
G5418	13192
G5419	12968
G5419.4	12900
G5420	12896
G5420.4	12904
G5420.5	12908
G5420.6	12910
G5421.3	12964
G5421.35	12966
G5421.4	12967
G5421.5	12952
G5422	12948
G5422.5	12956
G5422.6	12960
G5423	12944
G5423.1	12940
G5423.3	12912
G5423.4	12936
G5423.5	12932
G5423.6	12916
G5423.7	12920
G5423.82	12918
G5423.83	12919
G5426	12972
G5426.6	13087
G5426.8	13086
G5427.2	13088
G5430	13080
G5434	12988
G5435	12984
G5437	12992
G5438	12996
G5442	13000
G5448	13008
G5455	13012
G5456	13014
G5465	13016
G5465.5	13019
G5468	13020
G5468.2	13032
G5468.3	13028
G5469.9	13035
G5471.3	13034
G5473	13033
G5473.4	13040
G5474	13044
G5476	13052

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	U.S.
G5477	13048
G5478	13056
G5479	13060
G5479.2	13061
G5479.21	13062
G5480	13064
G5481	13046
G5481.2	13047
G5481.4	13049
G5482	13065
G5485	13304
G5486	13312
G5486.2	13308
G5486.4	13316
G5486.44	13324
G5486.5	13320
G5486.8	13328
G5488	13300
G5489	13256
G5490	13264
G5491	13272
G5492	13268
G5493	13276
G5493.5	13284
G5493.51	13288
G5494.44	13289
G5494.5	13290
G5496	13260
G5498	13252
G5499	13248
G5502	12888
G5502.4	12892
G5504	12880
G5506	12884
G5507	12876
G5507.4	12872
G5508	12868
G5508.5	12864
G5509	12860
G5510	12776
G5511	12772
G5512	12768
G5513	12760
G5513.5	12756
G5514	12752
G5516	12748
G5517	12744
G5519	12740
G5521	12704
G5522	12742
G5522.5	12708
G5523	12712
G5523.5	12736
G5523.6	12738
G5523.8	12716
G5524	12720
G5524.3	12728
G5524.6	12724
G5525	12732
G5526	12780
G5526.4	12784
G5527	12848
G5528	12856
G5529	12852
G5530	12844
G5531	12840
G5532	12828
G5532.1	12832
G5534	12824
G5535	12820
G5537	12816
G5538	12812
G5540	12836
G5542	12804
G5542.1	12808
G5544	12792
G5545	12800
G5545.3	12802
G5546.5	12796
G5547	12798
G5547.1	12799
G5549	12664
G5550	12696
G5551	12700
G5551.4	12692
G5552	12676
G5554	12672
G5562	12678
G5562.1	12678.1
G5564	12684
G5564.2	12680
G5566	12660
G5567	12620
G5568	12612
G5568.4	12616
G5568.6	12604
G5569	12608
G5570	12632
G5571	12652
G5572	12636
G5572.8	12596
G5573	12600
G5573.8	12448
G5574	12592
G5574.2	12452
G5574.4	12444
G5574.6	12644
G5574.8	12588
G5575	12584
G5576	12580
G5577	12576
G5577.4	12572
G5578	12568
G5578.4	12564
G5579	12640
G5580	12560
G5582	12552
G5582.2	12556
G5582.4	12558
G5582.6	12540
G5582.8	12544
G5582.81	12548
G5583	12551
G5583.5	12536
G5584	12528
G5586	12520
G5586.2	12522
G5587	12524
G5587.3	12526
G5587.5	12518
G5588	12516
G5589	12512
G5590	12508
G5593	12504
G5594	12500
G5595	12496
G5595.5	12490
G5596	12492
G5598	12488
G5598.4	12484
G5599	12468
G5600	12464
G5600.4	12480
G5601	12456
G5603	12440
G5603.4	12460
G5604	12436
G5605	12432
G5606	12476
G5606.4	12472
G5606.6	12428
G5608	12424
G5610	12420
G5612	12392
G5613	12388
G5613.4	12384
G5613.5	12376
G5613.6	12380
G5614	12372
G5615	12368
G5615.4	12396
G5616	12400
G5616.1	12404
G5617	12408
G5617.1	12412
G5622	12360
G5623	12364
G5624	12348
G5624.6	12344
G5625	12340
G5625.4	12356
G5625.7	12334
G5628	12328
G5628.6	12320
G5628.7	12316
G5628.8	12324
G5629	12312
G5629.2	12304
G5629.4	12308
G5629.6	12302
G5631	12300
G5632	12288
G5633	12284
G5634	12292
G5635	12296
G5635.2	12296.5
G5635.4	12297
G5635.41	12297.5
G5636	12248
G5640	12244
G5641	12232
G5641.2	12236
G5642	12228
G5647	12280
G5647.4	12276
G5648	12268
G5649	12252
G5650	12264
G5652	12272
G5654	12260
G5655	12256
G5656	12220
G5658	12216
G5662	12212
G5664	12208
G5668	12204
G5669	12200
G5670	12196
G5672	12192
G5673	12188
G5674	12184
G5675	12180
G5676	12176
G5677	12158
G5678	12172
G5680	12168
G5681	12164
G5682	12160
G5684	12132
G5685	12136
G5686	12140
G5688	12148
G5688.5	12156
G5689	12152
G5689.5	12144
G5690	12128
G5693	12104
G5694	12108
G5695	12100
G5696	12096
G5698	12092
G5698.4	12088
G5699.4	12080
G5699.6	12076
G5700	12072
G5701	12068
G5702	12124
G5704	12120
G5706	12116
G5707	12112
G5708	12060
G5709	12048
G5711	12044
G5712	12036
G5713	12052
G5713.4	12056
G5713.7	12032
G5714	12028
G5715	12040
G5716	12020
G5716.4	12016
G5718	12012
G5719	12008
G5720	12000
G5722	11996
G5723	11992
G5724	11984
G5725	12004
G5726	11988
G5727	11980

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	U.S.
G5728	11976
G5730	11972
G5732	11968
G5734	11892
G5734.2	11956
G5734.4	11952
G5734.6	11948
G5734.7	11944
G5734.8	11940
G5735	11932
G5735.2	11920
G5735.4	11924
G5735.5	11925
G5735.6	11928
G5735.7	11926
G5735.8	11918
G5736	11916
G5736.2	11912
G5736.4	11908
G5736.6	11904
G5736.8	11900
G5737	11896
G5737.2	11888
G5737.4	11884
G5738	11864
G5738.2	11868
G5738.4	11872
G5738.6	11876
G5739	11880
G5739.2	11860
G5739.3	11826
G5739.4	11828
G5739.5	11830
G5739.6	11832
G5739.66	11836
G5739.7	11840
G5739.8	11844
G5740	11848
G5740.1	11852
G5740.2	11856
G5740.5	11812
G5740.6	11816
G5740.8	11808
G5741	11804
G5742	11800
G5743	11796
G5744	11792
G5744.4	11788
G5745	11784
G5746	11780
G5747	11532
G5747.2	11536
G5747.3	11824
G5747.32	11825
G5747.34	11820
G5747.38	11818
G5747.39	11822
G5747.4	11516
G5747.6	11512
G5747.8	11508
G5748	11528
G5748.5	11524
G5749	11520
G5749.5	11526
G5751	11492
G5752	11496
G5753	11500
G5753.6	11504
G5754	11488
G5756	11484
G5757	11480
G5758	11744
G5758.4	11740
G5758.7	11736
G5760	11772
G5761	11776
G5761.4	11774
G5761.6	11773
G5762	11768
G5763	11756
G5764	11764
G5768	11752
G5771	11747
G5771.5	11747.5
G5772	11704
G5772.5	11700
G5773	11760
G5774	11712
G5776	11716
G5776.1	11720
G5778	11724
G5780	11728
G5782	11732
G5783	11616
G5794	11624
G5794.4	11632
G5795	11636
G5795.3	11637
G5795.5	11638
G5795.6	11639
G5796	11640
G5797.3	11648
G5797.31	11652
G5797.6	11656
G5797.8	11644
G5800.3	11659
G5801	11660
G5802	11664
G5803	11668
G5803.2	11672
G5803.21	11674
G5803.4	11676
G5803.6	11684
G5803.8	11688
G5805.5	11654
G5805.8	11696
G5806	11692
G5807	11604
G5807.2	11608
G5807.4	11592
G5808	11588
G5808.2	11584
G5808.4	11576
G5809	11476
G5810	11472
G5811	11468
G5811.5	11464
G5812	11460
G5812.3	11454
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G5813	11560
G5814	11556
G5816	11540
G5818	11152
G5819	11572
G5819.4	11552
G5820	11548
G5822	11544
G5826	11316
G5828	11320
G5829	11312
G5830	11308
G5831	11300
G5832	11304
G5833	11296
G5833.4	11292
G5834	11280
G5834.2	11284
G5834.6	11288
G5835	11268
G5836	11276
G5836.2	11272
G5837	11264
G5837.4	11232
G5838	11260
G5838.4	11244
G5838.6	11252
G5838.8	11256
G5840	11248
G5842	11420
G5842.1	11424
G5843	11416
G5843.2	11428
G5844	11432
G5845	11436
G5846	11440
G5847	11444
G5847.8	11412
G5848	11408
G5850	11392
G5851	11384
G5852	11380
G5854	11372
G5856	11376
G5857	11368
G5858	11364
G5858.4	11360
G5858.6	11356
G5859	11352
G5860	11348
G5861	11332
G5861.4	11336
G5862	11340
G5863	11344
G5863.7	11328
G5863.8	11164
G5864	11168
G5866	11172
G5866.6	11172.2
G5866.8	11172.4
G5867	11172.6
G5867.4	11172.8
G5869	11196
G5870	11200
G5872	11204
G5874	11208
G5876	11212
G5877	11214
G5878	11216
G5882	11176
G5884	11180
G5888	11188
G5889	11192
G5890	11193
G5910	11144
G5914	11140
G5916	11136
G5924	11132
G5972	11160
G5984	11156
G5988	11148
G7580	11112
K1636	9516
K1636.3	9518
K1638	9512
K1639.3	9511
K1640	9500
K1641	9508
K1642	9504
K1643	9472
K1646	9468
K1650	9452
K1654	9456
K1656	9460
K1656.1	9464
K1658	9448
K1659	9447
K1660	9428
K1662	9432
K1662.5	9438
K1662.51	9438.1
K1663	9436
K1669	9445.4
K1669.3	9445
K1669.4	9445.6
K1669.41	9445.61
K1674	9424
K1675	9416
K1675.8	9375.5
K1676	9374
K1676.2	9375
K1679.2	9376
K1679.21	9380
K1679.98	9392
K1679.99	9388
K1680	9384
K1680.01	9393
K1681.9	9396
K1681.91	9398
K1681.99	9404
K1682	9400
K1683.7	9413
K1683.71	9413.1
K1683.811	9414
K1683.812	9414.5
K1683.835	9408
K1683.836	9412
K1683.85	9364
K1685.4	9348
K1685.8	9353

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter. — U.S.	Inter. — U.S.	Inter. — U.S.	Inter. — U.S.
K1685.9 9357	K1735 9225	K1760.612 ..... 9038.2	K1777.05 8980
K1687.85 9334	K1739 9204	K1760.7 9037	K1777.2 8984
K1690 9344	K1739.4 9200	K1760.71 ..... 9037.1	K1777.22 8985
K1690.2 9346	K1739.6 9201	K1761 9036	K1777.4 8988
K1690.4 9336	K1739.7 9202	K1761.1 ..... 9036.1	K1777.45 8989
K1690.6 9340	K1739.8 9203	K1761.5 9028	K1777.5 8986
K1691 ..... 9340.5	K1739.9 9199	K1762.4 9040	K1777.51 ..... 8986.1
K1691.205 ..... 9340.7	K1740 9164	K1762.7 9027	K1777.82 8992
K1691.207 ..... 9340.72	K1741 9168	K1762.71 ..... 9027.1,	K1777.84 8996
K1691.4 ..... 9340.8	K1742 ..... 9169.1	9038.1	K1777.86 9000
K1691.41 ..... 9340.82	K1742.1 9169	K1762.8 9044	K1778 8968
K1691.411 ..... 9340.83	K1742.3 ..... 9169.2	K1763 9048	K1778.1 8972
K1691.55 ..... 9340.9	K1744 9180	K1763.1 9052	K1778.2 8974
K1691.57 ..... 9340.97	K1744.1 9184	K1764 9076	K1778.3 8973
K1691.58 ..... 9340.98	K1753 9186	K1765 9064	K1778.6 8960
K1691.62 ..... 9340.96	K1753.2 9188	K1765.3 9062	K1778.64 8964
K1691.65 ..... 9340.92	K1753.21 9190	K1766 9078	K1779.4 8958
K1691.66 ..... 9340.94	K1753.4 9198	K1766.2 ..... 9078.2	K1779.6 8957
K1691.7 ..... 9341.2	K1753.6 9160	K1766.31 ..... 9078.3	K1779.65 ..... 8957.2
K1691.77 ..... 9341.5	K1754 9152	K1766.32 ..... 9078.31	K1780.7 8948
K1691.78 9341	K1754.1 9156	K1766.4 ..... 9078.4	K1780.73 8944
K1691.8 ..... 9341.7	K1754.5 ..... 9156.2	K1766.5 ..... 9078.6	K1780.75 ..... 8945, 8950
K1691.82 ..... 9341.75	K1754.51 ..... 9156.3	K1767.1 9082	K1780.755 ..... 8950.3
K1691.84 ..... 9342.1	K1754.6 ..... 9156.7	K1767.115 9083	K1780.758 ..... 8950.5
K1691.85 9342	K1754.7 ..... 9156.6	K1767.4 9085	K1780.76 8952
K1691.86 ..... 9342.2	K1754.9 9157	K1767.6 9063	K1780.77 ..... 8957.7
K1691.88 ..... 9343.2	K1755 ..... 9150, 9158	K1767.61 ..... 9063.1	K1780.78 8956
K1691.881 ..... 9343.4	K1755.1 ..... 9150.1,	K1768.5 ..... 9090.5	K1780.8 8954
K1691.92 ..... 9343.5	9158.1	K1768.51 ..... 9090.51	K1780.9 8939
K1691.969 ..... 9343.6	K1755.2 9151	K1768.54 ..... 9090.53	K1781 8936
K1691.98 9328	K1756 9140	K1768.541	K1781.4 8928
K1691.99 9332	K1756.2 9141	9090.531	K1781.41 8932
K1692.4 9320	K1756.25 9142	K1768.56 ..... 9090.6	K1781.47 ..... 8926.2
K1693.5 9326	K1756.4 9144	K1768.561 ..... 9090.61	K1781.5 ..... 8926.3
K1694 9316	K1756.41 ..... 9144.1	K1768.6 ..... 9090.7	K1781.53 ..... 8926.7
K1695 9312	K1756.45 9146	K1768.61 ..... 9090.71	K1781.6 8926
K1696 9308	K1756.46 ..... 9146.1	K1768.7 ..... 9090.8	K1781.7 ..... 8926.5
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K1702 9284	K1756.52 ..... 9149.2	K1769.06 ..... 9091.01	K1781.8 ..... 8925.5
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K1718 9252	K1757.5 9112	K1770.4 ..... 9102.1	K1787.08 8918
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K1721.4 9255	K1757.65 ..... 9103.9	K1771.76 ..... 9102.3	K1792 8876
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K1722 9248	K1757.7 ..... 9103.5	K1773.5 9021	K1795 8868
K1723 9216	K1757.71 ..... 9103.6	K1773.51 9022	K1796 8856
K1724 9212	K1757.79 ..... 9103.1	K1774 9004	K1798 8860
K1726 9228	K1757.8 9103	K1775.8 ..... 9000.5	K1800 8832
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K1727 9242	K1757.9 ..... 9102.9	K1776 9001	K1801.095 8836
K1728 9208	K1758.3 ..... 9102.7	K1776.1 ..... 9000.7	K1802 8840
K1730 9220	K1758.7 ..... 9102.5	K1776.3 9002	K1802.5 8844
K1732 9224	K1760 9024	K1776.4 9003	K1802.51 8848
K1733 9232	K1760.5 9026	K1776.42 ..... 9003.1	K1804.9 8853
K1733.4 9236	K1760.6 9038	K1777 8976	K1804.91 8854

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

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K1854	8768
K1856	8752
K1858	8748
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K1862	8704
K1866	8696
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K2010	8148
K2012	8144
K2020	8406
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K2146	8028
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K2152	8036
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K2158.1	8020
K2162	8024
K2172	8012
K2176	7992
K2176.1	7996
K2177	8000
K2177.5	8004
K2177.51	8008
K2180	7988
K2182	7984
K2186	6936
K2188	6932
K2189	6928
K2189.5	6929
K2189.51	6929.1
K2190	6924
K2191	6948
K2191.2	6952
K2191.21	6956
K2191.8	6944
K2192	6940
K2193	7464

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K2193.1	7468	K2270.7	7765	K2325.5	7523.4	K2418.8	7879
K2194	7460	K2270.71	7766	K2327	7572	K2418.9	7878
K2199	7472	K2270.9	7767	K2328	7576	K2419	7880
K2199.9	7476	K2271	7772	K2330	7580	K2420	7872
K2200	7480	K2272	7768	K2331	7584	K2420.1	7876
K2200.1	7484	K2281	7773	K2331.38	7590	K2422	7868
K2204	7488	K2290	7840	K2331.6	7592	K2423	7456
K2205	7490	K2295	7778	K2331.8	7604	K2424.2	7448
K2206	7492	K2295.1	7778.1	K2332	7600	K2424.3	7450
K2206.6	7502.5	K2296	7777	K2332.3	7605	K2426	7444
K2207	7504	K2297	7776	K2332.33	7605.1	K2428	7440
K2208	7500	K2297.5	7774	K2332.35	7605.2	K2432	7436
K2208.1	7501	K2297.6	7775	K2332.4	7605.3	K2436	7356
K2209	7505	K2300	7788	K2332.5	7605.4	K2437	7364
K2211	7505.5	K2301	7792	K2332.6	7606	K2437.2	7360
K2213	7506	K2302	7796	K2333	7608	K2438	7368
K2220	7620	K2303	7800	K2333.5	7609	K2438.1	7372
K2221	7633	K2304	7812	K2334	7612	K2438.6	7376
K2222	7632	K2305	7816	K2335	7616	K2438.8	7376.2
K2222.5	7634	K2306	7820	K2337	7888	K2439	7377.2
K2223	7636	K2307	7824	K2337.2	7889	K2439.2	7377
K2225	7652	K2308	7828	K2337.3	7889.2	K2439.6	7378
K2226	7637	K2309	7832	K2337.6	7889.5	K2439.7	7378.3
K2226.5	7640	K2310	7836	K2338	7895	K2440	7380
K2228	7642	K2311	7804	K2338.1	7896	K2441	7388
K2230	7644	K2311.2	7808	K2338.17	7889.8	K2441.1	7384
K2231.5	7647	K2311.22	7810	K2338.18	7889.7	K2442	7396
K2233	7618	K2312.5	7811	K2338.19	7890.2	K2442.2	7392
K2234	7656	K2312.55	7811.1	K2338.2	7890	K2443.7	7378.6
K2234.5	7657	K2312.6	7811.5	K2338.22	7886	K2444	7424
K2235	7658	K2313	7848	K2338.24	7890.6	K2444.2	7425
K2236	7660	K2314	7844	K2338.25	7891	K2446	7428
K2237	7662	K2316	7856	K2338.26	7938	K2446.5	7378.9
K2239	7664.1	K2316.2	7860	K2338.3	7890.4	K2446.9	7429
K2240	7667	K2317.71	7862	K2338.4	7937	K2447	7429.1
K2241	7667.5	K2318	7508	K2339.4	7900	K2447.1	7429.2
K2242	7668	K2319	7512	K2340.1	7919	K2449	7431
K2242.2	7672	K2319.5	7521.2	K2340.2	7920	K2449.1	7431.1
K2242.4	7676	K2319.6	7521.3	K2341	7940	K2449.4	7433
K2242.6	7680	K2320	7520	K2343	7932	K2449.7	7434
K2242.8	7684	K2320.1	7521	K2343.5	7924.5	K2450	7435
K2243	7688	K2322.2	7507	K2344	7972	K2450.6	7416
K2243.2	7692	K2322.25	7507.5	K2346	7924	K2451	7408
K2243.3	7693	K2322.3	7513	K2347	7925	K2452	7420
K2243.4	7696	K2322.35	7514	K2348	7926	K2454	7352
K2243.5	7697	K2322.4	7515	K2349	7927	K2455	7348
K2245	7736	K2322.45	7516	K2350	7928	K2456	7344
K2245.1	7740	K2322.5	7517	K2351	7929	K2460	7332
K2248	7700	K2322.55	7518	K2352	7930	K2460.1	7336
K2249	7704	K2322.6	7519	K2353	7944	K2461.5	7330
K2250	7708	K2322.63	7519.6	K2353.4	7948	K2476	7328
K2251	7712	K2322.65	7522	K2354	7952	K2480	7324
K2252	7716	K2322.7	7523	K2354.4	7960	K2482	7320
K2253	7720	K2322.75	7524	K2355	7964	K2484	7316
K2253.2	7724	K2322.8	7525	K2356	7956	K2486	7312
K2253.4	7728	K2322.83	7525.6	K2357	7968	K2492	7300
K2254	7732	K2322.85	7526	K2361	7904	K2492.5	7304
K2254.5	7734	K2322.9	7527	K2361.1	7908	K2493	7308
K2255	7748	K2322.95	7527.5	K2401.6	7974	K2494	7296
K2255.4	7744	K2323	7528	K2404	7976	K2495	7292
K2257	7752	K2323.2	7529	K2404.1	7980	K2496	7288
K2270	7760	K2323.25	7530	K2417.2	7885.4	K2500	7204
K2270.1	7764	K2323.3	7531	K2417.32	7885.5	K2502	7208
K2270.15	7754	K2324	7564	K2417.73	7884.5	K2503	7212
K2270.6	7756	K2325	7532	K2418	7884	K2504.2	7260

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K2504.6	7284	K2598	6496	K2641.1	6190.1	K2712	6152
K2504.9	7224	K2598.5	6498	K2641.102	6190.2	K2722	6134
K2506	7228	K2599.72	6495	K2643	6193	K2727	6063
K2512	7232	K2599.8	6495.5	K2644	6192	K2728	6064
K2514	7236	K2599.81	6495.6	K2650	6200	K2729	6088
K2516	7240	K2600	6444	K2650.1	6204	K2729.1	6092
K2518	7244	K2601	6440	K2652	6196	K2730	6072
K2520	7248	K2602	6437	K2652.5	6204.7	K2732	6068
K2522	7252	K2602.1	6437.1	K2653	6206	K2732.1	6069
K2524	7256	K2604	6452	K2653.5	6205	K2733	6070
K2525	7264	K2608.1	6460	K2654	6205.5	K2740	6076
K2526	7268	K2610	6464	K2656	6208	K2740.01	6078
K2529	7272	K2610.1	6464.1	K2656.6	6210	K2740.02	6079
K2531	7200	K2611	6476	K2657	6209	K2740.1	6080
K2534	7188	K2611.2	6480	K2662	6216	K2742	6094
K2534.1	7192	K2612	6468	K2662.2	6217	K2742.2	6094.1
K2538	7196	K2612.2	6472	K2663	6218	K2743	6100
K2540	7180	K2614	6416	K2663.5	6219	K2743.1	6104
K2542.3	6617	K2616	6420	K2663.6	6215	K2750	6093
K2542.4	6618	K2617	6424	K2663.7	6214	K2757.5	6097
K2542.5	6620	K2618	6428	K2664	6220	K2758	6108
K2543.24	6627	K2618.1	6432	K2665	6222	K2758.1	6112
K2543.85	6625	K2619	6408	K2666	6224	K2759	6096
K2544	7168	K2619.3	6409	K2668	6226	K2760	6125
K2545	7172	K2619.5	6412	K2673.5	6236	K2760.5	6121
K2554	6612	K2622	6404	K2674	6244	K2760.51	6121.2
K2555	6608	K2623	6324	K2676	6256	K2762	6116
K2556	6604	K2624	6327	K2676.2	6257	K2762.1	6120
K2557	6600	K2624.4	6325	K2676.4	6264	K2764	6126
K2557.5	6598	K2624.5	6356	K2678	6248	K2765	6127.1
K2558	6592	K2625	6344	K2682	6252	K2765.2	6127
K2560.2	6595	K2625.1	6348	K2684	6260	K2765.4	6127.2
K2561	6596	K2625.5	6349	K2686	6261	K2766	6128
K2570	6588	K2625.51	6349.1	K2688	6268	K2770	6052
K2572	6576	K2626	6352	K2692	6276	K2770.5	6054
K2572.6	6580	K2626.3	6401	K2692.1	6280	K2770.8	6062
K2573.2	6584	K2626.35	6402	K2693	6284	K2771.2	6057
K2573.58	6586	K2626.4	6358	K2693.1	6288	K2771.21	6057.1
K2573.59	6586.1	K2626.42	6358.2	K2695	6272	K2771.5	6061
K2574	6572	K2626.48	6358.8	K2695.4	6292	K2771.6	6061.1
K2576	6568	K2626.7	6376	K2695.45	6289	K2775.9	6050
K2577.2	6567	K2626.76	6380	K2695.5	6293	K2776	6048
K2577.6	6556	K2626.8	6381	K2696	6294	K2780	6040
K2577.8	6540	K2626.81	6381.1	K2696.4	6295	K2781	6036
K2578.2	6565	K2626.9	6382	K2696.55	6295.5	K2782.4	6034
K2578.3	6560	K2626.91	6382.1	K2696.71	6295.6	K2782.41	6034.1
K2578.31	6564	K2626.93	6384	K2696.73	6295.63	K2783	6044
K2581	6550	K2626.95	6383	K2696.74	6295.65	K2784	6028
K2582	6544	K2628	6386	K2696.82	6299	K2788	6024
K2582.1	6548	K2629	6400	K2696.84	6298	K2790	6017
K2582.4	6552	K2630	6388	K2696.9	6305	K2791	6020
K2584	6520	K2630.6	6393	K2697	6300	K2792	6019
K2585	6532	K2631.8	6392	K2697.2	6304	K2796	6016
K2585.1	6536	K2631.996	6397	K2697.5	6311	K2796.1	6016.5
K2586	6528	K2631.997	6397.1	K2697.9	6308	K2799.2	6008
K2587	6524	K2632	6316	K2697.92	6309	K2799.25	6003
K2588	6504	K2636	6180	K2698	6310	K2799.6	6002
K2588.5	6505	K2637	6176	K2698.2	6306	K2800	5999
K2589	6508	K2638	6184	K2698.35	6312	K2800.1	5999.1
K2590	6506	K2638.1	6188	K2698.36	6313	K2803	5996
K2591	6512	K2638.52	6191	K2702	6156	K2803.2	5979
K2592.6	6519	K2638.53	6191.5	K2707.8	6172	K2803.6	5982
K2592.61	6519.1	K2638.55	6191.6	K2710	6160	K2804	5988
K2593.3	6518	K2638.57	6191.1	K2710.2	6164	K2804.1	5992

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.
K2804.5	5984	K2859.7	5693.2	K2874.22	5770	K2968	10460
K2805	5980	K2859.8	5693.4	K2877.5	5773	K2970.4	10449.2
K2806	5993	K2859.9	5693.45	K2877.6	5773.2	K2970.7	10449.4
K2807	5993.5	K2860	5693.5	K2878	5783.1	K2972	10352
K2812	5976	K2860.2	5693.55	K2878.2	5782.6	K2973	10356
K2812.5	5975	K2860.4	5693.6	K2878.3	5782.2	K2973.1	10360
K2812.51	5973	K2861	5694	K2878.4	5782.3	K2973.2	10364
K2813	5972	K2861.5	5828	K2878.5	5782	K2973.3	10368
K2814	5960	K2861.51	5832	K2878.7	5783	K2974	10372
K2814.1	5960.1	K2861.7	5836	K2880.6	5783.9	K2974.1	10376
K2815	5968	K2861.71	5840	K2880.7	5783.7	K2976	10380
K2815.4	5964	K2861.9	5694.2	K2880.8	5783.5	K2976.1	10384
K2815.6	5969	K2862.2	5694.3	K2880.9	5783.3	K2976.4	10388
K2818	5920	K2862.6	5694.6	K2881	5768	K2976.41	10392
K2818.4	5924	K2862.8	5694.4	K2882	5772	K2978	10396
K2819	5916	K2863	5816	K2885	5774	K2978.1	10400
K2819.9	5932	K2863.2	5817	K2885.1	5774.1	K2979	10393
K2820	5936	K2863.4	5696	K2885.2	5775	K2979.2	10394
K2820.1	5940	K2863.506	5695.85	K2886.8	5784	K2979.4	10395
K2822	5945	K2863.53	5696.2	K2897	5788	K2979.8	10404
K2824	5948	K2863.6	5695.8	K2898.3	5813	K2981	10405
K2824.1	5952	K2864.3	5704	K2898.7	5800	K2982	10408
K2824.2	5956	K2864.5	5699	K2898.8	5801	K2982.1	10412
K2829	5900	K2864.51	5699.1	K2899.4	5804	K2982.6	10420
K2830	5904	K2864.52	5698	K2899.9	5805	K2983	10424
K2831	5908	K2864.6	5708	K2899.91	5806	K2984	10426
K2834	5888	K2865	5712	K2899.98	5807.8	K2987	10428
K2834.5	5898	K2865.5	5713	K2900	5808	K2987.2	10432
K2835	5892	K2866	5724	K2900.1	5808.4	K2987.81	10406
K2836	5896	K2866.3	5714	K2900.2	5809	K2987.82	10407
K2838	5884	K2866.8	5715.1	K2900.52	5810	K2988.3	10433
K2840	5880	K2866.85	5715.05	K2900.62	5810.2	K2988.31	10434
K2841	5876	K2866.9	5715.2	K2900.88	5792	K2988.5	10435
K2844	5872	K2866.91	5715.3	K2901	5802	K2988.6	10436
K2845	5868	K2867	5716	K2901.01	5803	K2989.1	10436.3
K2846.2	5869	K2867.1	5720	K2901.4	5818	K2989.15	10436.5
K2846.4	5869.1	K2868	5728	K2901.45	5818.1	K2989.2	10437
K2846.6	5869.2	K2868.1	5732	K2901.7	5818.6	K2989.6	10446
K2846.8	5869.3	K2868.3	5734	K2901.85	5821	K2989.63	10439
K2847	5864	K2868.31	5735	K2901.87	5820	K2989.651	10440
K2850	5866.5	K2868.6	5740	K2903.015	5825	K2989.652	10438
K2850.1	5866.6	K2868.8	5736	K2907.8	5672	K2989.654	10441
K2850.2	5866	K2869	5742	K2908.3	5664	K2989.68	10442
K2850.21	5866.1	K2869.1	5741	K2908.31	5668	K2989.681	10442.5
K2852	5860	K2869.4	5743	K2912	5660	K2989.8	10443.5
K2854	5848	K2869.5	5744	K2916	10560	K2989.9	10445
K2854.1	5852	K2869.8	5748	K2916.5	10562	K2989.91	10445.5
K2856	5676	K2870	5750	K2916.51	10562.1	K2989.986	10444.2
K2856.5	5684.4	K2870.1	5752	K2932	10488	K2989.9861	10444.3
K2857	5680	K2870.3	5754	K2938.6	10491	K2990	10348
K2857.1	5684	K2870.4	5756	K2938.7	10491.1	K2991	10349
K2857.4	5684.6	K2870.5	5758	K2938.8	10491.2	K2991.1	10349.1
K2857.5	5684.8	K2870.6	5766	K2939	10492	K2991.12	10349.5
K2857.7	5685	K2870.7	5766.1	K2949	10490	K2991.14	10350
K2857.9	5685.3	K2871	5767	K2955	10480	K2991.15	10350.1
K2858	5685.6	K2871.1	5767.1	K2956	10476	K2991.22	10350.5
K2858.2	5686	K2871.15	5762	K2956.11	10469	K2991.3	10351
K2858.4	5686.5	K2871.2	5763	K2956.29	10474	K2991.31	10351.2
K2858.6	5687	K2871.23	5760	K2956.291	10474.1	K2991.7	10319
K2858.8	5688	K2871.25	5765	K2956.5	10471	K2991.8	10319.5
K2858.81	5692	K2871.4	5767.3	K2956.501	10471.1	K2992.1	10336
K2858.93	5692.7	K2871.41	5767.4	K2962	10464	K2997	10316
K2859	5844	K2872.7	5769	K2963	10448	K2997.3	10317
K2859.5	5693	K2873.51	5767.5	K2963.5	10456	K2997.5	10318
K2859.6	5693.3	K2873.52	5767.6	K2964	10452	K2997.6	10318.1

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	U.S.
K2998	10314
K2998.75	10315
K3000	10320
K3001	10321
K3002	10324
K3002.1	10328
K3002.5	10323
K3004.1	10323.5
K3010	10329
K3010.1	10330
K3011	10331
K3011.1	10332
K3012	10333
K3012.1	10334
K3014	10312
K3014.5	10311
K3015	10300
K3016	10220
K3017	10310
K3017.5	10309
K3018	10308
K3020	10304
K3022	10292
K3023	10288
K3024	10282
K3024.4	10284
K3024.41	10285
K3026	10276
K3031	10240
K3032	10244
K3032.1	10248
K3033	10252
K3033.1	10256
K3034	10257
K3034.1	10257.1
K3035	10268
K3036	10260
K3043	10222
K3048	10224
K3049	10228
K3052	10229
K3053	10230
K3054	10231
K3054.1	10231.1
K3056	10229.5
K3060	10216
K3061	10213
K3061.3	10214
K3061.7	10212.5
K3062	10212
K3062.6	10210
K3062.7	10209
K3062.8	10208.5
K3063	10208
K3064	10204
K3064.2	10202
K3064.5	10184
K3064.7	10165
K3065.8	10188
K3066	10192
K3066.03	10192.2
K3066.05	10192.4
K3066.07	10192.6
K3066.24	10196
K3066.35	10182
K3066.36	10182.1
K3066.38	10195
K3066.4	10176
K3066.41	10180
K3066.5	10172
K3066.57	10170
K3066.6	10200
K3066.8	10160
K3066.81	10161
K3067.4	10164
K3068	10166
K3069	10128
K3069.2	10128.5
K3070	10133
K3070.5	10134
K3074	10150
K3076	10144
K3076.1	10148
K3078	10136
K3078.1	10140
K3082	10130
K3082.9	10125.4
K3083	10125.2
K3083.1	10125
K3083.39	10126.2
K3083.4	10126
K3083.41	10126.4
K3085	10120
K3086	10124.2
K3088	10124
K3090	10108
K3091	10104
K3092.1	10096
K3096	10052
K3096.4	10053
K3096.5	10061
K3097	10056
K3097.01	10060
K3097.4	10063
K3100	10062
K3100.1	10062.1
K3101.8	10063.6
K3101.81	10063.61
K3103	10064
K3104	10068
K3106	10063.4
K3106.01	10063.41
K3106.1	10063.8
K3106.11	10063.81
K3106.2	10063.2
K3106.21	10063.21
K3109.2	10092
K3109.22	10070
K3110	10048
K3111	10044
K3112	10040
K3112.4	10082
K3112.41	10082.1
K3112.63	10065.2
K3112.64	10065.1
K3112.65	10065
K3115	10034
K3115.1	10034.1
K3117	10030
K3118	10029
K3119	10026
K3119.5	10027
K3120	10028
K3120.5	10004
K3120.7	10008
K3121.5	9999
K3124	10012
K3124.1	10016
K3126	10020
K3128	10024
K3132	10000
K3133	9998
K3137.2	9993
K3138	9988
K3140	9972
K3140.5	9974
K3141	9984
K3142	9976
K3142.1	9980
K3144	9985
K3145	9986
K3150	9968
K3157	9967
K3162	9964
K3163	9965
K3166	9948
K3167	9950
K3168	9956
K3170.2	9952
K3172.3	9906
K3172.31	9908
K3173	9910
K3173.2	9912
K3180	9916
K3180.1	9920
K3183	9928
K3184	9932
K3184.3	9903.7
K3184.35	9903.75
K3184.5	9903.6
K3184.51	9903.61
K3185	9903.5
K3186	9900
K3189	9898
K3194	9896
K3195.9	9893
K3195.95	9893.3
K3196	9892
K3200	9888
K3206	9884
K3206.55	9886
K3206.6	9886.5
K3206.7	9887
K3207	9880
K3208	9868
K3210.1	9872, 9876
K3214	9864
K3214.2	9862.4
K3214.25	9862.2
K3214.3	9862
K3215	9852
K3215.5	9850
K3216	9848
K3217	9844
K3219	9840
K3219.5	9830
K3220	9836
K3221.1	9832.1
K3221.4	9828
K3222	9824
K3223.2	9801
K3224	9820
K3226	9812
K3226.6	9808
K3227.5	9802
K3229	9796
K3232	9788
K3233.15	9773
K3233.32	9773.1
K3233.325	9794
K3233.4	9786
K3233.53	9779.1
K3234	9780
K3235.05	9781
K3235.57	9779
K3235.575	9774
K3236	9776
K3238	9772
K3239	9769
K3239.1	9770
K3240	9768
K3240.4	9764
K3241	9760
K3242	9756
K3242.5	9752
K3243	9748
K3244	9744
K3248	9740
K3250	9736
K3252	9732
K3254	9728
K3256	9724
K3257	9721
K3257.1	9722
K3258	9680
K3258.1	9684
K3260	9676
K3262	9660
K3262.9	9662.1
K3263	9662
K3264	9672
K3265	9664
K3265.1	9668
K3265.2	9658
K3266	9652
K3266.5	9654
K3267	9656
K3268	9636
K3268.1	9640
K3268.5	9648
K3270	9624
K3270.1	9628
K3274	9620
K3278	9688
K3278.5	9690
K3278.7	9689
K3279	9692
K3280	9696
K3282	9698
K3284	9700

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.
K3285	9704
K3286	9702
K3287	9706
K3288	9708
K3290	9714
K3292	9712
K3297	9596
K3297.4	9600
K3297.72	9608
K3297.74	9604
K3298	9612
K3298.1	9616
K3304.8	9582
K3304.9	9580.8
K3305	9568
K3306	9572
K3307	9576
K3307.4	9578
K3308	9580
K3309	9565
K3310	9566
K3310.2	9567
K3310.5	9564
K3311	9560
K3312	9556
K3312.5	9553
K3312.8	9552.5
K3313	9552
K3313.4	9552.2
K3314	9548
K3315	9544
K3316	9540
K3317	9536
K3317.5	9538
K3318	9520
K3321	9524
K3323	9532
K3324	9528
K3325	9529
K3328	9533
K3328.1	9533.1
K3328.3	9534
K3328.4	9535
K3328.402	9535.4
K3328.48	9535.53
K3328.5	9535.55
K3328.6	9535.5
K3328.61	9535.51
K3329	9535.6
K3329.2	9535.65
K3329.541	9535.67
K3329.542	9535.671
K3329.61	9535.66
K3329.62	9535.661
K3329.7	9535.7
K3329.8	9535.71
K3330	9535.9
K3476	10928
K3478	10888
K3480	10884
K3484	10880
K3486	10872
K3488	10876
K3489.5	10874
K3489.55	10874.1
K3490.1	10869
K3490.12	10869.2
K3490.14	10869.5
K3490.16	10869.7
K3490.18	10870
K3490.2	10870.2
K3490.22	10870.5
K3490.24	10870.7
K3490.26	10871
K3490.28	10871.2
K3490.32	10871.7
K3491.2	10868
K3492	10864
K3494	10852
K3495	10894
K3495.5	10894.5
K3498	10844
K3498.1	10848
K3500	10838
K3504	10832
K3505	10836
K3506	10892
K3506.5	10890
K3507	10916
K3507.1	10918
K3507.2	10918.2
K3507.3	10918.4
K3507.35	10917
K3507.5	10919
K3507.6	10924
K3508	10920
K3509.3	10925
K3509.5	10926
K3510	10912
K3510.5	10905
K3510.6	10904.3
K3510.7	10904.2
K3510.8	10904.1
K3511	10904
K3512	10900
K3514	10896
K3518	6960
K3520	6964
K3524	6968
K3526	6972
K3531	6980
K3532	6984
K3533	6987
K3534	6988
K3534.1	6992
K3535	7020
K3536.4	7011
K3536.6	7011.2
K3544	7012
K3544.1	7016
K3545.5	7010.5
K3545.51	7010.51
K3548	7024
K3550	7032
K3553	7056
K3553.1	7060
K3556	7036
K3556.2	7044
K3556.3	7052
K3557	7040
K3557.2	7048
K3558	7064
K3558.1	7068
K3558.4	7063
K3558.41	7063.1
K3563	7072
K3566	7088
K3566.1	7092
K3569.9	7108
K3570	7104
K3570.1	7110
K3571	7076
K3571.1	7084
K3571.14	7080
K3571.2	7113
K3571.21	7113.1
K3571.4	7096
K3571.6	7100
K3572.4	7112
K3572.6	7116
K3573	7120
K3574	7132
K3574.1	7136
K3574.4	7124
K3574.6	7128
K3575.4	7129
K3576	7125
K3576.1	7125.1
K3576.4	7130
K3577	7140
K3577.1	7144
K3577.4	7146
K3577.8	7148
K3580.2	7154
K3580.4	7156
K3581	7156.1
K3581.4	7156.2
K3581.7	7156.3
K3581.8	7156.5
K3581.81	7156.51
K3582	7156.6
K3582.4	7156.7
K3582.8	7157
K3583	7157.1
K3584.3	7157.2
K3584.4	7157.3
K3584.6	7157.4
K3585.3	7157.7
K3586.5	7158.3
K3586.51	7158.5
K3586.6	7158.6
K3586.79	7158.7
K3586.8	7158.9
K3586.81	7159
K3587	7159.1
K3587.2	7159.2
K3587.21	7159.3
K3587.4	7159.5
K3587.6	7159.6
K3588.1	7160
K3588.11	7160.1
K3598.99	7162
K3599	7164
K3600	6644
K3600.4	6640
K3600.5	6630
K3600.6	6632
K3600.8	6636
K3601	6644.5
K3601.22	6645.2
K3601.24	6645.4
K3601.25	6645.5
K3601.3	6646
K3601.4	6647
K3601.5	6649
K3601.6	6648
K3602	6652
K3606	6656
K3607	6660
K3607.5	6661
K3608	6664
K3608.2	6666
K3608.5	6667
K3609.4	6668
K3609.6	6676
K3609.7	6678
K3609.8	6672
K3609.9	6673
K3610.1	6682
K3610.2	6680
K3611	6684
K3612	6688
K3612.5	6690
K3614	6716
K3615	6718
K3620	6724
K3620.5	6722
K3621	6720
K3621.2	6719
K3621.5	6723
K3622	6728
K3623	6730
K3624	6732
K3627	6736
K3627.6	6740
K3627.7	6741
K3627.72	6741.1
K3627.8	6742
K3627.81	6742.1
K3628	6744
K3629.3	6744.4
K3629.35	6744.9
K3629.4	6744.8
K3629.41	6744.5
K3629.43	6744.7
K3630.3	6745
K3630.36	6746
K3630.4	6748
K3632.3	6752
K3632.31	6756
K3632.4	6760
K3632.41	6764
K3632.5	6768
K3632.6	6772
K3634	6780
K3635	6784
K3636.1	6790
K3636.2	6788

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.
K3636.3	6792	K3708	3904	K3741.65	4034	K3860	4244
K3636.35	6793	K3708.2	3904.1	K3741.71	4034.1	K3862	4248
K3636.36	6794	K3708.3	3905	K3741.72	4034.2	K3864	4252
K3636.42	6798	K3708.5	3906	K3741.81	4032.7	K3868	4240
K3636.6	6796	K3708.9	3906.1	K3741.82	4032.71	K3878	4260
K3637	6804	K3708.93	3906.2	K3741.91	4035	K3879	4268
K3638	6808	K3708.95	3906.3	K3741.92	4035.3	K3879.5	4262
K3640	6812	K3709	3912	K3741.93	4035.5	K3879.8	4263
K3641	6816	K3709.5	3914	K3741.94	4035.7	K3880	4264
K3642	6820	K3710	3908	K3742	4036	K3880.5	4266
K3643	6824	K3710.05	3907	K3743	4044	K3882	4272
K3643.3	6825	K3710.1	3916	K3743.2	4046	K3886	4284
K3643.4	6825.5	K3710.2	3917	K3744	4048	K3888	4280
K3643.6	6826	K3711	3920	K3744.1	4051	K3890	4292
K3644	6856	K3712	3924	K3745	4052	K3892	4288
K3645	6828	K3712.1	3925	K3746	4056	K3893	4296
K3645.5	6832	K3712.11	3925.1	K3746.1	4060	K3896	4300
K3647	6836	K3712.12	3926	K3748	4064	K3897	4304
K3648	6840	K3713	3932	K3756	4072	K3897.1	4308
K3648.4	6844	K3714	3976	K3758	4076	K3897.2	4309
K3649	6848	K3715	3980	K3758.2	4080	K3897.3	4310
K3650	6852	K3716	3933	K3758.4	4084	K3898	4312
K3652	6864	K3716.65	3937	K3758.6	4088	K3899	4316
K3654	6868	K3716.699	3933.5	K3759	4090	K3899.05	4318
K3654.5	6872	K3716.7	3934	K3767	4096	K3899.1	4320
K3655	6876	K3717	3948	K3768	4097	K3899.2	4336
K3655.3	6878	K3717.4	3951	K3768.2	4098	K3899.4	4328
K3656	6880	K3717.41	3951.1	K3770	4146	K3899.41	4332
K3658	6884	K3717.43	3939	K3770.01	4147	K3899.7	4340
K3659	6888	K3717.45	3940	K3770.03	4148	K3899.8	4344
K3660	6892	K3717.47	3941	K3771	4105	K3900	4348
K3664	6896	K3718.751	3950	K3772	4106	K3900.4	4352
K3665	6904	K3718.755	3950.1	K3773	4107	K3903	4364
K3668	6900	K3718.757	3950.2	K3774	4108	K3904	4366
K3673	6908	K3718.759	3949	K3797.2	4150	K3904.1	4368
K3676	6916	K3718.8	3936	K3797.4	4151	K3904.3	4377
K3677	6920	K3719	3964	K3798	4168	K3904.5	4381
K3686	3792	K3719.2	3952	K3798.1	4169	K3905.1	4382
K3688	3796	K3720	3972	K3800	4176	K3906	4396
K3690	3800	K3720.8	3973	K3818	4177	K3907	4383
K3690.4	3804	K3734	3984	K3819	4178	K3911	4399
K3690.6	3808	K3735	3988	K3820	4179	K3911.1	4400
K3694	3812	K3736	4000	K3822	4180	K3912	4401
K3696.5	3817	K3736.2	4276	K3829	4181	K3916	4402
K3697	3820	K3736.6	3992	K3832	4182	K3917	4403
K3697.5	3813	K3737	3996	K3845	4192	K3919	4392
K3698	3826	K3737.4	4004	K3845.1	4193	K3920.21	4397.5
K3698.1	3828	K3738	4020	K3845.2	4193.1	K3920.35	4398
K3699	3824	K3738.2	4008	K3845.25	4194	K3920.6	4394
K3700	3832	K3738.3	4006	K3845.3	4039	K3922	4408
K3700.5	3836	K3738.4	4010	K3845.4	4196	K3924	4409
K3700.55	3829	K3738.5	4011	K3846	4204	K3929	4428
K3701	3840	K3738.6	4016	K3846.5	4220	K3930	4432
K3702	3856	K3738.64	4014	K3847	4184	K3932	4436
K3703	3852	K3738.68	4011.5	K3847.5	4188	K3950	4456
K3704	3858	K3738.7	4012	K3848	4212	K3954	4460
K3705.1	3862	K3738.71	4013	K3848.5	4216	K3958	4464
K3705.2	3864	K3739	4024	K3850.55	4208	K3958.1	4468
K3705.4	3868	K3739.5	4025	K3850.6	4228	K3962	4472
K3705.5	3872	K3740	4028	K3851	4232	K3962.15	4473
K3705.6	3876	K3741	4032	K3852	4224	K3966	4476
K3705.7	3880	K3741.5	4032.5	K3853	4235	K3966.1	4480
K3706	3884	K3741.51	4032.6	K3854	4235.5	K3969	4484
K3707	3886	K3741.52	4032.61	K3855	4235.7	K3970	4488
K3707.8	3906.5	K3741.6	4033	K3856	4236	K3980.05	4496

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.
K3981	4506
K3981.6	4517
K3981.7	4524
K3982.5	4520
K3982.7	4541
K3982.71	4542
K3983	4536
K3983.1	4540
K3983.15	4555
K3983.2	4552
K3983.25	4554.1
K3983.3	4554
K3984	4516
K3990	4556
K3990.1	4560
K3992	4564
K3993	4568
K3994	4572
K3998	4576
K4000	4580
K4004	4584
K4006	4588
K4010	4592
K4010.1	4596
K4011	4604
K4012	4606
K4013	4600
K4014	4620
K4018	4708
K4019.6	4684
K4020	4704
K4021	4692
K4021.4	4686, 4696
K4022	4682
K4024	4688
K4032	4668
K4032.1	4669
K4043	4639
K4045	4635
K4047	4637
K4052.2	4654
K4053	4653
K4054	4608
K4055	4612
K4056	4616
K4057	4619.1
K4057.2	4617
K4057.4	4617.1
K4057.5	4618
K4057.6	4619
K4058	4624
K4061	4714
K4061.1	4715
K4062.1	4717
K4063	4724
K4063.4	4720
K4066.2	4728
K4067	4732
K4068	4733
K4074	4746
K4075	4750
K4078	4752
K4078.1	4756
K4082	4747
K4084	4780
K4084.5	4782
K4084.6	4795.1
K4084.75	4795
K4085	4800
K4086	4796
K4087	4792
K4087.5	4793
K4088	4788
K4089	4786
K4090	4804
K4091	4828
K4092	4808
K4092.8	4812
K4093	4820
K4093.1	4824
K4093.3	4806
K4094	4825
K4094.1	4825.1
K4094.5	4826
K4094.51	4826.1
K4095	4827
K4095.1	4827.1
K4095.2	4827.5
K4095.5	4832
K4095.8	4833
K4096	4836
K4104	4844
K4104.1	4848
K4104.2	4852
K4107	4856
K4108	4868
K4109	4870
K4114	4880
K4115	4872
K4116.1	3981.1
K4119	4876
K4122	4884
K4130	4904
K4132	4888
K4133	4890
K4134	4892
K4135	4894
K4136	4896
K4140	4900
K4152	4908
K4153	4912
K4180	4916
K4182	4920
K4198	4937
K4198.1	4937.1
K4199	4940
K4199.1	4940.1
K4204	4944
K4206	4948
K4212	4960
K4214	4968
K4222	5020
K4224	4996
K4225	4998
K4225.1	4998.1
K4225.6	4996.5
K4225.8	4996.8
K4226	4997
K4227	5004
K4227.1	5008
K4227.4	4999
K4228	5012
K4228.1	5016
K4230	5000
K4230.15	5001
K4230.2	5002
K4233	5022
K4234	5024
K4236	5044
K4237	5038
K4237.4	5036
K4238	5028
K4240	5032
K4241	5040
K4242	5048
K4242.05	5049
K4242.1	5052
K4242.15	5056
K4242.17	5066
K4242.2	5060
K4242.3	5064
K4242.4	5068
K4242.5	5072
K4242.6	5076
K4242.7	5080
K4242.9	5082
K4243	5084
K4244	5088
K4244.5	5089
K4246	5176
K4248	5092
K4249	5094
K4249.5	5095
K4250	5096
K4252	5100
K4253	5104
K4253.5	5106
K4254	5108
K4254.5	5110
K4255	5112
K4256	5116
K4256.2	5118
K4256.7	5119
K4257	5120
K4257.5	5121
K4260	5122
K4260.2	5122.5
K4260.3	5122.3
K4260.4	5122.2
K4261	5123
K4262	5164
K4264	5168
K4264.1	5172
K4264.5	5162
K4265	5166
K4266	5160
K4266.1	5156
K4267	5152
K4267.1	5148
K4267.4	5144
K4268	5132
K4268.2	5136
K4268.21	5140
K4268.3	5128
K4268.4	5124
K4269	5180
K4272	5184
K4274	5188
K4275	5192
K4277	5198
K4279	5212
K4282	5216
K4282.1	5220
K4288	5250
K4289	5278
K4290	5256
K4290.1	5260
K4291	5248
K4293	5252
K4296	5264
K4296.1	5268
K4299	5276
K4300	5272
K4301	5269
K4301.1	5269.1
K4304	5240
K4304.1	5244
K4310	5280
K4314	5284
K4315	5285
K4315.1	5286
K4316	5288
K4322	5296
K4324	5292
K4328	5323
K4328.1	5324
K4328.2	5328
K4329	5332
K4329.4	5308
K4330	5316
K4330.1	5320
K4331	5304
K4332	5312
K4335	5336
K4335.2	5340
K4340	5344
K4348	5358
K4350	5356
K4358	5372
K4358.1	5376
K4359	5380
K4360	5368
K4362	5384
K4363	5388
K4364	5396
K4365	5400
K4366	5392
K4367.1	5400.3
K4367.12	5400.4
K4369.83	5400.6
K4369.86	5400.8
K4370.25	5401
K4371.5	5402.1
K4372	5402
K4372.1	5402.01
K4372.4	5401.8
K4372.5	5401.81
K4373	5402.2
K4373.2	5402.4
K4374.73	5402.6

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.
K4374.9	5402.8	K4498	5624	K4647	3220	K4735	3328
K4374.91	5403	K4499	5638	K4647.4	3224	K4736	3300
K4374.96	5403.2	K4506	5640	K4647.44	3226	K4736.1	3304
K4375.2	5403.4	K4528	3740	K4647.45	3226.5	K4740	3292
K4375.5	5403.6	K4541	3772	K4647.6	3228	K4744	3276
K4376	5404	K4543	3768	K4647.7	3228.2	K4746.5	3284
K4380	5408	K4545	3764	K4648	3229	K4746.8	3273
K4381	5412	K4547	3752	K4649.2	3230	K4746.9	3274
K4382	5416	K4547.4	3756	K4649.25	3230.5	K4747	3272
K4384	5420	K4547.41	3760	K4649.3	3232	K4748	3268
K4387	5424	K4547.7	3776	K4650	3235.9	K4750	3288
K4388	5512	K4547.71	3780	K4651	3234	K4751	3252
K4389	5513	K4549	3782	K4651.1	3234.5	K4752	3260
K4394	5428	K4551.5	3038	K4651.5	3235	K4756	3264
K4397	5432	K4552	3052	K4651.51	3235.5	K4758	3488
K4398	5436	K4552.1	3056	K4651.7	3235.7	K4759	3492
K4400	5444	K4559	3060	K4654.7	3245	K4760	3152
K4400.1	5448	K4559.1	3064	K4655	3233	K4760.1	3152.1
K4402	5452	K4570	3076	K4661	3464	K4760.35	3152.3
K4402.1	5456	K4571	3077	K4662	3480	K4760.5	3152.4
K4404	5468	K4571.1	3077.1	K4663	3484	K4760.7	3153
K4404.1	5472	K4576	3088	K4666	3476	K4760.75	3153.3
K4405	5460	K4580	3092	K4668	3368	K4760.8	3153.6
K4405.1	5464	K4580.1	3096	K4670	3372	K4760.9	3154
K4406	5476	K4594	3108	K4672	3396	K4761	3154.5
K4407	5480	K4598	3112	K4672.1	3400	K4761.2	3155
K4408	5484	K4598.1	3116	K4673	3416	K4761.3	3155.2
K4410	5490	K4600	3118	K4676	3412	K4761.35	3155.4
K4411	5496	K4602	3119	K4677	3408	K4761.5	3155.6
K4413	5488	K4603	3120	K4678	3404	K4761.55	3155.8
K4415	5492	K4608	3128	K4682	3392	K4771	11094
K4424	5504	K4612	3132	K4684	3388	K4783	3717
K4424.1	5508	K4612.1	3136	K4686	3376	K4783.3	3718
K4432	5516	K4613	3138	K4686.1	3380	K4784	3719
K4433	5520	K4613.1	3139	K4687	3384	K4784.1	3719.1
K4433.1	5524	K4613.5	3139.5	K4694	3472	K4784.3	3716
K4434	5528	K4613.6	3139.56	K4695	3468	K4784.33	3715
K4434.1	5532	K4614	3140	K4702	3424	K4784.6	3714
K4438	5536	K4620	3144	K4704	3432	K4784.63	3713
K4440	5540	K4620.1	3148	K4704.1	3436	K4784.66	3710.6
K4442	5545	K4620.5	3150	K4706	3428	K4784.7	3712
K4444	5548	K4622	3170	K4706.5	3436.4	K4784.71	3712.1
K4446	5552	K4623	3172	K4708	3437	K4784.78	3710.4
K4452	5556	K4623.1	3176	K4710	3440	K4784.8	3711
K4464	5560	K4624	3180	K4710.5	3441	K4784.81	3711.1
K4464.5	5560.5	K4628	3182	K4711	3448	K4785.6	3709
K4465	5561	K4630	3184	K4711.2	3452	K4785.62	3709.5
K4466	5564	K4630.5	3184.5	K4712	3444	K4785.66	3710.2
K4468	5568	K4631	3184.7	K4712.4	3456	K4785.72	3710
K4470	5572	K4631.5	3185	K4714	3460	K4785.85	3708.2
K4472	5580	K4632	3192	K4714.6	3356	K4785.852	3708.3
K4473	5576	K4635	3194	K4716	3360	K4786	3708
K4475	5588	K4636	3194.2	K4717	3364	K4787.4	3700
K4475.1	5592	K4636.5	3194.6	K4719	3332	K4788.5	3726
K4476	5596	K4637	3197	K4722	3336	K4788.6	3729
K4478	5584	K4637.5	3198	K4722.1	3340	K4788.65	3729.2
K4486	5600	K4638.5	3198.5	K4723	3352	K4788.75	3728
K4490	5608	K4639	3200	K4726	3344	K4788.76	3728.2
K4491	5604	K4639.5	3204	K4727	3348	K4789	3728.4
K4492	5620	K4640	3208	K4730	3312	K4790	3600
K4494	5612	K4644.5	3215	K4732	3316	K4794	3612
K4494.1	5616	K4644.51	3216	K4733	3296	K4794.1	3616
K4496	5632	K4646	3212	K4733.4	3308	K4794.2	3620
K4496.1	5636	K4646.8	3214	K4734	3320	K4794.21	3621
K4497	5628	K4646.81	3214.5	K4734.1	3324	K4795	3604

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.
K4797	3608
K4799	3624
K4799.2	3626
K4799.24	3626.2
K4799.28	3626.4
K4799.5	3632
K4799.6	3628
K4799.68	3634
K4799.76	3599
K4799.77	3599.1
K4799.8	3649
K4799.9	3650
K4799.95	3635
K4800	3636
K4800.1	3637
K4800.3	3645
K4800.5	3652
K4802	3640
K4802.1	3644
K4802.5	3654
K4803	3644.5
K4804	3648
K4804.3	3648.1
K4805	3648.2
K4807	3653
K4809.1	3660.3
K4809.13	3660.2
K4809.15	3660.1
K4810.8	3666
K4811	3664
K4811.5	3661
K4811.51	3662
K4812	3656
K4812.1	3660
K4816	3676
K4816.1	3680
K4816.2	3681
K4816.24	3681.2
K4816.26	3681.4
K4817	3682
K4820	3660.5
K4820.5	3660.8
K4821	3660.9
K4825	3683
K4825.5	3685
K4827	3686
K4827.5	3688
K4830	3598
K4834	3584
K4835	3585
K4835.1	3585.5
K4835.2	3586
K4836	3587
K4847	3576
K4852	3572
K4854	3552
K4855	3564
K4855.5	3568
K4858	3560
K4862	3540
K4866	3528
K4866.1	3532
K4867	3536
K4868	3524
K4870	3520
K4873	3516
K4877	3512
K4880	3496
K4880.4	3500
K4880.6	3504
K4880.7	3508
K4883	10828
K4883.5	10830
K4884	10824
K4884.4	10796
K4885.5	10804
K4885.6	10808
K4885.7	10783
K4885.8	10784
K4886	10788
K4887	10780
K4888	10776
K4889	10792
K4892	10772
K4892.4	10768
K4893	10748
K4893.1	10752
K4893.4	10756
K4893.41	10760
K4893.42	10762
K4894.6	10744
K4894.7	10743
K4894.8	10742
K4894.81	10742.1
K4895	10764
K4896	10732
K4896.4	10736
K4896.41	10740
K4898	10728
K4898.7	10688
K4899	10692
K4899.4	10696
K4900	10720
K4901	10700
K4902	10704
K4902.1	10708
K4903	10712
K4904	10716
K4906	10680
K4907	10668
K4908	10660
K4908.1	10664
K4909	10665
K4912	10672
K4920	10724
K4924	10684
K4932	10652
K4934	10636
K4934.1	10640
K4934.2	10644
K4935	10632
K4938	10650
K4940	10628
K4942	10624
K4943	10620
K4944	10616
K4945	10612
K4946	10608
K4947	10584
K4947.2	10588
K4947.21	10592
K4947.3	10596
K4947.31	10600
K4947.4	10604
K4947.6	10576
K4948	10580
K4948.2	10568
K4948.21	10572
K4952	2860
K4952.25	2862
K4952.7	2863
K4952.71	2863.5
K4952.8	2863.8
K4953	2864
K4953.4	2868
K4953.8	2872
K4954	2876
K4954.2	2880
K4954.4	2882
K4956	2884
K4956.1	2888
K4958	2900
K4958.3	2904
K4958.6	2922
K4959	2920
K4962	2892
K4962.1	2896
K4963	2889
K4963.1	2890
K4964	2908
K4964.25	2926.3
K4964.3	2916
K4964.51	2924
K4964.65	2925
K4965.2	2926
K4966	2936
K4966.001	2940
K4966.8	2933
K4966.81	2933.1
K4966.9	2935
K4967	2940.5
K4967.5	3006
K4968	3009
K4968.1	3009.5
K4968.12	3016
K4968.13	3015
K4968.14	3015.5
K4968.15	3018
K4968.2	3008
K4968.25	3021.2
K4968.3	3020
K4968.31	3021
K4968.4	3025
K4968.5	3021.5
K4968.6	3024
K4968.91	3024.2
K4968.92	3024.4
K4969	2944
K4969.1	2948
K4969.35	2948.4
K4969.4	2948.6
K4969.45	2948.8
K4969.48	2949
K4969.5	2949.2
K4969.51	2949.4
K4969.6	2949.6
K4969.65	2949.8
K4969.7	2951
K4969.71	2951.1
K4970	2952
K4970.1	2956
K4970.3	2957
K4970.4	2959
K4970.5	2958
K4970.7	2959.5
K4971.3	2968.5
K4971.32	2969
K4971.33	2969.5
K4971.34	2970
K4971.36	2970.5
K4971.4	2971
K4971.5	2972
K4971.51	2976
K4971.55	2968
K4971.65	2977.5
K4971.85	2977
K4982	2982
K4982.6	2984
K4982.61	2984.1
K4982.9	2986
K4983	2992
K4983.05	2988
K4983.4	2996
K4983.5	3000
K4983.7	3001
K4983.74	3001.2
K4983.76	3001.4
K4983.78	3001.1, 3001.3
K4983.8	3002.1
K4984	3002.2
K4984.1	3003
K4984.2	3002
K4988	2818
K4990	2832
K4990.1	2836
K4992	2840
K4993	2820
K4993.1	2824
K4994	2828
K4998.52	2841
K4998.53	2841.1
K4998.54	2841.11
K4998.55	2841.12
K4998.56	2841.13
K4998.57	2841.14
K4998.58	2841.15
K4998.59	2841.16
K4998.6	2841.17
K4998.61	2841.18
K4998.62	2841.19
K4998.63	2841.2
K4998.64	2841.21
K5000.2	2817.96
K5000.21	2817.97
K5000.3	2817.98
K5000.31	2817.99
K5000.4	2816.8
K5000.6	2817
K5001	2817.1

CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.	Inter.	— U.S.
K5001.2	2817.2	K5006.41	2799.71	M8386.2	10984	M8459	10952.6
K5001.36	2817.4	K5006.65	2799.87	M8387.4	10985	M8459.1	10952.7
K5001.38	2817.41	K5006.7	2799.9	M8387.41	10985.1	M8465	11060
K5001.4	2817.5	K5006.71	2799.91	M8388	10986	M8466.2	11060.2
K5001.6	2817.55	K5008.2	2812	M8388.1	10986.1	M8466.25	11060.25
K5001.7	2817.7	K5020	2842	M8408	10936	M8466.3	11060.3
K5001.72	2817.75	K5020.1	2842.5	M8410	10934	M8466.35	11060.35
K5001.74	2817.8	K5025	2843	M8425	10942	M8466.55	11060.55
K5001.76	2817.85	K5025.1	2843.5	M8425.1	10943	M8466.75	11060.75
K5002	2814	K5052	2856	M8430	10943.5	M8467	10988
K5002.1	2814.5	K5057	2850	M8447	10944	M8467.4	11010
K5003	2815	K5058	2844	M8448.2	10944.25	M8467.5	11014
K5003.1	2813	K5060	2848	M8448.4	10944.3	M8468	11040
K5003.2	2813.5	M8364	10955	M8448.5	10944.4	M8471	11050
K5003.3	2813.7	M8366	10956	M8448.7	10944.6	M8482	11096
K5003.4	2813.9	M8366.1	10960	M8449	10944.7	M8508	11076
K5003.7	2817.9	M8370	10962	M8453	10948	M8512	11080
K5003.71	2817.91	M8371	10961	M8453.1	10948.1	M8515	11084
K5003.8	2817.94	M8374	10976	M8453.2	10946	M8516	11092
K5003.85	2817.95	M8374.1	10980	M8453.4	10952	M8528	11108
K5004	2816	M8382	10981	M8453.7	10947	M8536	11100
K5004.76	2817.6	M8384	10982	M8455	10950		
K5004.86	2812.5	M8386	10983	M8457	10952.2		
K5006.4	2799.7	M8386.1	10983.1	M8457.1	10952.4		