

§ 6. Lighthouses and Lights.

The following summary gives particulars of lighthouses and lights on the coast of each State :—

LIGHTHOUSES AND LIGHTS ON THE COASTS OF THE COMMONWEALTH, 1907.

Position of Light.	Description.	Colour of Light.	Distance Visible (Nautical Miles).
QUEENSLAND.			
6 small lights at entrance to the Norman River			
Booby Island	2nd order dioptric; revolving flash; circular tower	White	16
Goode Island	4th order dioptric; fixed; circular tower	Red and white sectors	24
Piper Island... ..	4th order dioptric; fixed; lightship	White, with red sect'rs	10
1 jetty light at Thursday Is.			
Claremont Island	4th order dioptric; fixed; lightship	White, with red sect'rs	10
Pipon Island	4th order dioptric; fixed; iron skeleton tower	White, with red sect'rs	13
Grassy Hill	4th order dioptric; fixed; circular tower	White	...
2 small lights in Cook Harb.			
Rocky Islet	4th ord. holophote; circular tower	White	14
Archer Point	4th ord. holophotal; circular tower	Condensing; white, red and green	20
Low Island	3rd order dioptric; revolving every minute; circular tower	White	14
Island Point (Port Douglas)... ..	5th order dioptric; fixed; circular tower	Red	8
2 small lights Dickson Inlet (Magazine Island)			
North Barnard Island	6th order dioptric; fixed; circular lantern on concrete base	White	14
Bay Rock	4th order dioptric; fixed; circular tower	Red and white	15
14 smaller lights in Hinchinbrook Channel and Cairns Harbour			
Cape Cleveland	4th order dioptric; revolving every 20 seconds; iron tower	Red and white	20
Cape Bowling Green	3rd order dioptric; revolving every minute; iron tower	White	14
North Head, Bowen... ..	5th order dioptric; fixed; hexagonal wooden tower	Red and white	11
6 smaller lights in Bowen Harbour			
Dent Island	4th order dioptric; revolving every 30 seconds; iron tower	White	16
Flat-top Islet	4th order dioptric; fixed; iron tower	Red and white sectors	19
13 smaller lights in the Pioneer River			
Pine Islet	2nd order dioptric; fixed and flash; iron tower	Red and white	20
North Reef	2nd order dioptric; fixed and flash; iron tower	White	13
Balaclava	4th order dioptric lights in each tower; 2 square skeleton towers	White	15 and 10
23 smaller lights on beacons in Fitzroy River			
Sea Hill	4th order dioptric; circular tower	White and red sectors	17
Entrance to Middle Channel, Broadmount, 7 lights			
Pilot station, Keppel Bay	6th order catoptric; fixed	White	7
Gas buoy at Timandra Bank	Occulting	White light	...
Gas buoy (ent. to Fitzroy R.)	Occulting	White light	...
Cape Capricorn	3rd order dioptric; revolving every minute; iron tower	White	23
" " (2)	One reflector and one 4th order holophote; light-rooms	White	...
South Channel, Port Curtis... ..	Two 4th and two 6th order holophotes	White	...
(entrance leading lights)			
Gatecombe Head	5th order dioptric; fixed; hexagonal wooden tower	Red and white	...
3 small lights in Port Curtis			
Bustard Head	2nd order dioptric; fixed and flash; iron tower	White and red	24
" "	5th order dioptric; fixed; sq. tower	White	...
" "	Catoptric; fixed; mast	White	...
Burnett Heads (South Head)	5th order dioptric; fixed; hexagonal wooden tower	White	10
14 smaller lights on beacons in the Burnett River			
Lady Elliot Island	4th order dioptric; flash every 30 seconds; iron tower	White	12
Sandy Cape	1st order dioptric; revolving every 1½ minutes; iron tower	White	27

Position of Light.	Description.	Colour of Light.	Distance Visible (Nautical Miles).
Woody Island (middle) ...	4th order dioptric; fixed; hexagonal wooden tower	Red and white sectors	19
51" smaller lights in Wide Bay, Sandy St., & Mary R. Double Island Point ...	4th order dioptric; fixed; hexagonal wooden tower	Red and white sectors	16
Fisherman's Island (front) ...	3rd order dioptric; revolving every 30 seconds; circular tower	White	24
(back) ...	5th order holophote; iron tower	Red	...
30" smaller lights on beacons in the Brisbane River and Moreton Bay	5th order dioptric; iron tower	Red and white sectors	...
Pile lighthouse ...	4th order dioptric; occulting; hexagonal, on screw piles	Red and white sectors	...
Cleveland Point ...	6th order dioptric; fixed; hexagonal wooden tower	White	8
North-west Channel, Moreton Bay (gas buoys)	Steel buoys; 2 black, 1 red; 2 fixed, 1 occulting	White	...
Bribie Island—Front leading light ...	4th order dioptric, condensing; lantern and storeroom on skeleton wood tower	White	12
Back leading light ...	4th order holophote; skeleton wood tower	White	15
Caloundra Head ...	4th order dioptric, condensing; circular wood and iron tower	White, with red sectors	16
Howard Range ...	4th order holophote; square wooden light-room	White	...
Tangaluma ...	Biform (2 holophotes, 4th order); square wooden light-room	White	23
Cowan Cowan ...	4th order dioptric; fixed; wooden tower	Red and white sectors	12
Comboyuro ...	4th order dioptric; fixed; wooden tower	Red and white sectors	9
Yellow Patch ...	4th order dioptric; fixed; square wooden light-room	Red and white sectors	11
North Point ...	6th order dioptric; fixed; square wooden light-room	White sector	7
Cape Moreton ...	1st order catoptric; revolving every minute; circular stone tower	White	26
NEW SOUTH WALES.			
Tweed River (Fingal Head) ...	4th order catadioptric; fixed	White	12
Cape Byron ...	1st order dioptric; flashing—flash $\frac{1}{2}$ sec. dura., eclipse $4\frac{1}{2}$ secs. dura.	White	26
" " (same tower) ...	4th order dioptric; fixed	Red	...
Richmond River (2) ...	4th order catadioptric; fixed	White	12
Clarence River *	4th order catadioptric; fixed	White	10
South Solitary Is. (summit) ...	1st order dioptric; revolving—flash every half minute	White (incandescent petroleum)	12
Laggar's Point (Trial Bay) ...	Catoptric; fixed	White	5
Smoky Cape ...	1st order dioptric; group flashing	White	28
Tacking Point ...	4th order catadioptric; fixed	White	12
Crowdy Head (summit) ...	4th order catadioptric; fixed	White and red	12
Sugarloaf Point (Seal Rocks) ...	1st order dioptric; revolving—flash every half minute	White	23
" " (same tower) ...	4th order catadioptric; fixed	Green	...
Nelson Head (summit) ...	Catoptric; fixed	White and red	8
Port Stephens (Stephens' Pt.) ...	2nd order catoptric; revolving—red and white light alternately, short eclipse between the 2 colors	Red and white alternately	W. 17 R. 12
Port Hunter, Newcastle—			
Nobby's Head (summit) ...	2nd order dioptric; fixed	White	17
Leadg. lights (2) off Stockton	Dioptric; fixed	Green	...
Stony Point, S. breakwater	Dioptric; fixed	Red	...
Fairway leading lights (2) ...	Fixed	White and red	...
Beacon north of lifeboat station and fog bell	Fixed	Red	...
Leading lights (2) for north harbour	Fixed	White and red	...
Outer breakwater light and fog bell	Fixed	Red	...
Norah Head ...	2nd order dioptric; flashing—flash $\frac{1}{2}$ sec. duration, eclipse $4\frac{1}{2}$ sec.	White	18
Broken Bay (Barrenjoey) ...	2nd order dioptric; fixed	Red	15
Port Jackson, Sydney—			
Macquarie (Outer S. Head)	1st order dioptric; revolving—flash every minute	White	26
Hornby (Inner Sth. Head)	Catoptric; fixed	White	15
Leading lights (2) East chnl.	Oil lamps; fixed	Red	...

* Leading lights are exhibited at Maclean, Lawrence, Elizabeth Island, and Ulmarra for navigating the river.

Position of Light.	Description.	Colour of Light.	Distance Visible (Nautical Miles).
Sow and Pigs lightship (2)...	Clustered oil lamps and reflectors; fixed	White	6
South-east Edge of Shoal ...	Oil lamp; fixed	Orange	5
Bradley's Head ...	Cluster; fixed	White	5
Shark Island ...	Dioptric; fixed	White	5
Fort Denison ...	Cluster; fixed	Red	5
Dawes' Point ...	Single; fixed	Red	5
" (inner light) ...	Single; fixed in cage beacon	Red	...
Miller's Point ...	Single arc; fixed	Red and white	5
Goar Island (leading lights)	Two arc; fixed	Green	5
Cook River (Botany Bay) ...	Fixed	White	...
Wollongong ...	4th order dioptric; fixed	White	10
" leading lights (2)	Fixed	Red	...
Kiama ...	4th order dioptric; fixed	Green	9
" Breakwater ...	Fixed	Green	...
" Crookhaven River ...	4th order dioptric; fixed	Red	7
Jervis Bay (Pt. Perpendicular)	1st order dioptric; group flashing	White	24
Ulladulla (Warden Head) ...	4th order dioptric; fixed	White	12
" Harbour ldg. lights (2)	Fixed	1 red, 1 white	...
Montagu Island—summit ...	1st order dioptric; fixed & flashing	White	22
Twofold Bay (Eden) Look-out Point	4th order catoptric; fixed	Red	7
Green Cape ...	1st order dioptric; revolving—flash 50 sec.	White	19
VICTORIA.			
Gabo Island ...	Catadioptric; fixed	White	20
" auxiliary ...	Fixed	Red	3
Cape Everard ...	Holophotal; double flashing	White	21
" auxiliary ...	Fixed	Red	2
Cliffy Island ...	Dioptric; flashing	White	15
Wilson's Promontory ...	Catoptric; fixed	White	24
Cape Schanck ...	Catadioptric; fixed and flashing	White	23
" auxiliary ...	Fixed	Red	3
Port Phillip—			
Point Lonsdale ...	Dioptric; occulting	White and red	17
Queenscliff (high) ...	Catadioptric; fixed	White	17
" (low) ...	Dioptric; fixed	Red and white	10 and 14
West Channel Pile Light ...	Dioptric; fixed	Red and white	11
South Channel (east light)	Dioptric; fixed	Red and white	13
" (pile light)	Dioptric; fixed	Red and white	10
Schnapper Point ...	Dioptric; fixed	White	10
Gellibrand Point (pile light)	Dioptric; occulting	Red and white	12
Split Point ...	Dioptric; fixed	Red	18
" auxiliary ...	Fixed	White	3
Cape Otway ...	Dioptric; triple flashing	White	24
" auxiliary ...	Fixed	Red	4 to 8
Warrnambool (upper light) ...	Dioptric; fixed	White	14
" (lower light) ...	Dioptric; fixed	Red	5
Port Fairy (Griffith Island) ...	Dioptric; fixed and flashing	Red	9
Portland ...	Dioptric; fixed	Green	12
Cape Nelson ...	Dioptric; fixed	White	19
" auxiliary ...	Fixed	Red	3
SOUTH AUSTRALIA.			
Cape Northumberland ...	Revolving—every minute	White	20
Cape Banks, near Carpenter Rocks	Revolving—every 20 secs.	Two white, one red	R 8, W 10
Penguin I., N. end Rivoli Bay	Revolving—every 10 secs. stone tower	White	12
Beachport, end of jetty ...	Fixed	Red	7
Robe Jetty, Rocky Point ...	Fixed	Red and white	5
Cape Jaffa ...	1st order dioptric; revolving—every 30 secs.	White	18
Kingston Jetty, Lacepede B.	Fixed; iron tower	White	10
Pt. Malcolm, L. Alexandrina	Fixed	White	10
Milang Jetty ...	Fixed	White	5
Port Victor, E. end Granite I.	Fixed	White	10
Cape Willoughby, Kangaroo Island	1st order catoptric; revolving—every 1½ min.; circular stone tower	White	24
Cape Borda, W. end Kangaroo Island	1st order catoptric; revolving—alternate red and white every minute; square tower of stone	Red and white	White 30 Red 15
Kingscote Jetty, Kangaroo I.	Fixed	White at shore end of jetty, red at seaward end	8

Position of Light.	Description.	Colour of Light.	Distance Visible (Nautical Miles).
Gulf of St. Vincent—			
Cape Jervis, Backstairs Pas.	Fixed; circular tower of stone ...	White	10
Gleneig Jetty ...	Fixed	Red	8
Semaphore, end jetty, Le Fevre Peninsula	Fixed	Green	5
Semaphore, leading lights, Semaphore timeball twr. and water tower...	Fixed	Red	...
Port Adelaide—			
On Wonga Shoal ...	1st order dioptric; revolving—flash every 30 secs.; iron tower	White	17
Entrance to river ...	Fixed	White	10
Beacons in Port Adelaide River	Occulting buoy light	White	5
	Fixed	5 pairs leading lights (red and white); 1 pair leading lights (red); 7 single lights (white); 10 lights (green).	8
Port Wakefield, on Railway Wharf	Fixed; leading lights	White and red	6
Ardrossan, end of jetty ...	Fixed	White	5
Edithburgh, end of jetty ...	Fixed	White	5
Troubridge, on Trounbridge Shoal	2nd order catoptric; revolving—bright every 24 secs., dark 36 secs.; circular iron tower	White	16
Troubridge, on platform	Fixed	Red	5
Troubridge Lighthouse	Revolving—flash every 15 secs.; circular stone tower	White, red sector over	W 25, R 17
Althorpe I., Investigator St.		Emes Reef & S.W. Rock	
Spencer Gulf—			
Corny Point ...	Fixed; circular stone tower	White, red sector over Webb Rock	14
Port Victoria, end of jetty	Fixed	White	4
Moonta, end jetty...	Fixed	Red	4
Tipara, Tipara Reef ...	Revolving—every 30 secs.; iron tower on piles	White	20
Wallaroo, end of jetty ...	Fixed	Red	4
Middle Bank Lightship, Spencer Gulf	Fixed	White	10
Port Pirie Beacons, in Port Pirie Channel	Fixed	10 Beacon lights, Nos. 1, 6, & 10 red; remainder white	...
Eastern Shoal ...	Occulting; beacon	White	6
Port Germein, end of jetty	Fixed; iron tower	Red & white sectors	10
Cockle Spit Illuminated Tide Gauge	Fixed	White	...
Lowly Point ...	Revolving—flash every 10 secs.; circular stone tower	White	13
Tumby Bay, end of jetty ...	Fixed	White	5
Port Lincoln, end of jetty	Fixed	Red	5
Cape Donnington, entrance to Port Lincoln ...	Fixed	White & red sectors	14
Neptune I., Sth. Neptune I.	Revolving—every 50 secs.; iron structure	White	20
Streaky Bay, end of jetty ...	Fixed	White	6
Fowler Bay (Port Eyre), end of jetty	Fixed	White	5
WESTERN AUSTRALIA.			
Esperance, end of jetty ...	Ordinary lantern; fixed; wooden platform	Red	4
King George's Sound—			
Breaksea Island ...	1st order dioptric; fixed; cylindrical tower, stone	White	24
Princess Royal Harbour, King Point	5th order dioptric; fixed; wooden tower, square	White	12
Albany Town Pier (2) ...	Ordinary lanterns; fixed; wooden mast, leading lights	Red	3
Albany Deep Water Jetty Light	Ordinary lantern; fixed; wooden mast	Red	3
Channel Beacon Lights (4), entrance Princess Royal Harbour ...	6th order dioptric; port lights; fixed; wood pile beacons	2 red 2 white	3 4

Position of Light.	Description.	Colour of Light.	Distance Visible (Nautical Miles).
Cape Leeuwin	1st order lens light; flash 5 sec.; stone cylindrical tower	White	20
Busselton (Vasse), 50 yards within inner end of pier	5th order dioptric; fixed; square wooden tower on piles	White	12
Busselton (Vasse), jetty head	Fixed; wooden gallows	Red	4
Cape Naturaliste	1st order dioptric; group flash, 10 secs.; stone tower	White	29
Bunbury (Koombanah Bay)—Casuarina Point, mole end	5th order dioptric; fixed; tower, square wood	Green	7
Bunbury Jetty (2)	Lanterns; fixed; wooden gallows; leading lights	Red	4
About 400 yards south of Casuarina Point	3rd order dioptric; fixed; square wooden tower	White	17
Woodman Point (Gage-road)	1st order dioptric; occulting every 30 secs.; circular stone tower	White, red, and green	17
Fremantle Harbour—North Breakwater... ..	4th order; fixed; temporary frame tower	Red	11
South Breakwater... ..	4th order dioptric; fixed; steel skeleton	Green	7
Ocean Jetty	6th order dioptric; fixed; iron framework	Red	5
Beacon lights (5), entrance to river harbour	5th order dioptric; wooden pile beacons	Three red Two white	3 4
Rottnest Island—On centre, $2\frac{1}{2}$ miles from east end	1st order dioptric; revolving—flash every 20 secs.; masonry cylindrical tower	White	23
Near centre	Fog explosive
Bathurst Point	2nd ord. dioptric; fixed; stone tower	White	15
Port Dongara or Denison—150 yards from beach	Lantern; fixed; wooden gallows	White	5
End of pier	Lantern; fixed; wooden platform	Red	4
Geraldton, Champion Bay—North Jetty, outer end	5th ord. dioptric; fixed; iron mast	Red	5
North Jetty, inner end	7th order; fixed; wooden mast; leading lights	Red	5
Champion Bay—Moore Point, on point	2nd order dioptric; revolving every 40 secs.; conical tower, iron	White	18
(in same tower)	4th order dioptric; fixed	Red in two sectors	12
No. 1 Bluff, upper	Dioptric holophote; fixed; square tower, stone	White	8
No. 2 Bluff, lower	4th order dioptric; fixed; stone octagonal tower; leading lights	White	8
Denham, Lagoon Pt., Shark Bay, Peron Peninsula	Fixed } Leading lights	White Red	5 3
Gascoyne— $1\frac{1}{2}$ miles from beacon at S. end of Babbage Island	4th order; fixed; square frame tower, wood	White and red	15
End of Babbage Island Jetty	Lantern; fixed; wooden platform	Red	4
Onslow, jetty end	5th order dioptric; fixed; wooden platform	White	10
Jarman Is., centre of island, E. side of ent. to Pt. Walcott	3rd order dioptric; fixed; circular tower, iron	White	15
Port Hedland, tidal signal staff	5th order dioptric; fixed; flagstaff	White	12
Roebuck Bay—End of Broome Jetty	Lantern; fixed; wooden platform	Red	5
In town, near Custom-house	5th order dioptric; fixed; steel skeleton frames	White	15
Gantheaume Point	4th order dioptric; occulting every 15 secs.; steel tripod	White	13
Derby (King's Sound) Jetty ...	6th order dioptric; fixed; wooden gallows	White	4
Wyndham (Cambridge Gulf), jetty end	Lantern; fixed; wooden gallows	Red	4
NORTHERN TERRITORY.			
Port Darwin—Point Charles	1st order; revolving every $\frac{1}{2}$ min.; iron structure, red & white bands	White, red, and green	18
Emery Point	Fixed	White	6
Jetty	Fixed	White	4
TASMANIA.			
Kent's Group, Deal Island ...	1st order catoptric; revolving every 100 secs.; white circular tower	White	36

Position of Light.	Description.	Colour of Light.	Distance Visible (Nautical Miles).
Banks' Strait, Goose Island...	1st order catadioptric; fixed; circular stone tower	White	14
Swan Island ...	1st order dioptric; fixed; flashing 1 min.; circular stone white t'wr.	White	15
Eddystone Point—Near extreme ...	1st order dioptric; group, flash every 30 secs.; circular granite tower	White and red	18
20 yards eastward of light-house ...	Fixed; circular, iron, red	Red	2½
Tasman Island ...	1st order; flash every 5 secs.	White	36
Hobart—Derwent River—Iron Pot Island	4th order dioptric; fixed; square white tower	White	12
Derwent River—One Tree Point ...	Occulting; square white tower	White	8
Long Bay ...	Occulting; pile beacon	White	...
Butts Rock—entrance Huon River	6th order dioptric; fixed; skeleton iron tower	White	8
Bruni Island (S.W. point of Island)	2nd order dioptric; flash every 22½ secs.; circular white stone tower	White	22
Maatsuyker Island ...	1st order dioptric; group, flashing every 30 secs.; white circular brick tower	White	25
Cape Sorell ...	2nd order dioptric; flash every 45 secs.; white cylindrical tower	Red and white	W.20; R.12
Macquarie Harbour—Entrance Islet ...	4th order dioptric; fixed; hexagonal; white wooden tower	White and red	10
Bonnet Islet ...	5th order dioptric; fixed; hexagonal; white wooden tower	Green	10
Stanley ...	6th order dioptric; fixed	White and red	7
Table Cape ...	2nd order dioptric; fixed; white brick circular tower	White	27
Wynyard leading lights	Two pile lights	Red	...
Emu Bay ...	6th order dioptric; fixed; skeleton iron tower on end of breakwater	White and red	12
Ulverstone leading lights	Two lights; square skeleton tower	Red	...
Devonport—Near extreme of Mersey Bluff	4th order dioptric; fixed; circular white brick tower	White and red	16
On west bank of Mersey R.—Front	6th order dioptric; fixed; leading light; square red wood tower	Red	...
On west bank of Mersey R.—Rear	6th order dioptric; fixed; leading light; circular white brick tower	Red	...
On W. pier, near Mussel Rk.	Fixed	White	4
Port Dalrymple—Low Head, east side on entrance of Tamar R.	2nd order catoptric; revolving, every 100 sec.; circular white brick tower	White	15
2 cables northward of pilot station	Same building; fixed	Red	7
Pilot station point	Fixed	White	...
Sheoak Pt. (Tamar leading lights)	4th order dioptric; fixed; circular white stone tower	White and red	9
	4th order dioptric; fixed; circular white stone tower	Red	9
Garrow Rock ...	Fixed	White	9
Ilfracombe Jetty ...	Fixed	White and green	...
King Island—Cape Wickham	1st order dioptric; fixed; circular granite tower	White and red	...
.. .. —Currie harbour	1st order dioptric; flash every 12 sec.; iron tower on 6 columns	White	24
			17