

North Pacific Ocean — Yellow Sea — China

QINGDAO GANG - (contd)

				m	M		
<b>P3825</b> CN, G101, 1671	- ZHONGSHA JIAO Lt V	36 04-08 N 120 15-47 E	Fl W 6s	10	6	Red hull	<i>fl 0-5.</i> Ra refl ALRS Vol 2 Station 82040
	--	..	Racon	..	..	..	
<b>P3826</b> CN, G101, 1663	- Xiaqing Dao	36 03-19 N 120 19-12 E	Fl R 6-5s	28	12	White 8-sided masonry tower 12	<i>fl 0-5</i>
	-- Reserve light	..	..	..	3		
<b>P3826-2</b> CN, G101, 1664	-- Breakwater	36 03-19 N 120 19-12 E	F G	5	8	Green metal framework tower 3	
<b>P3827</b> CN, G101, 1664-1	- Qingdao Jiao. HSA Pier	36 03-05 N 120 18-12 E	Fl G 4s	10	8	Round concrete pile, green and white bands 6	
<b>P3832</b> CN, G101, 1675	-- Mati Jiao	36 04-60 N 120 17-38 E	Fl W 8s	9	12	White round masonry tower, black bands 11	ALRS Vol 2 Station 82050
	---	..	Racon	..	..	..	
<b>P3836</b> CN, G101, 1680	-- Da Gang. N Breakwater. Head	36 05-36 N 120 18-17 E	Iso W 4s	12	10	White concrete column 8	
<b>P3837</b> CN, G101, 1682	-- Wharf. No 1	36 05-29 N 120 18-72 E	F G	9	8	White masonry structure, green bands 5	
<b>P3837-5</b> CN, G101, 1681	--- No 5	36 05-37 N 120 18-54 E	F R	9	7	White round stone pile, red bands 5	
<b>P3837-8</b> CN, G101, 1681-5	- No 5 Pier. Breakwater	36 05-49 N 120 18-81 E	Iso R 4s	11	5	White column, red bands 8	
<b>P3844</b> CN, G101, 1683	- Qingdao Jiao. Commercial Harbour Ldg Lts 074°. Front. Wharf No 2 N end	36 05-42 N 120 19-01 E	Iso G 2s	11	3	Black $\nabla$ , white stripes, on white metal framework tower 9	
<b>P3844-1</b> CN, G101, 1684	--- Rear. 0-6M from front. Wharf No 4. NE Side	36 05-56 N 120 19-62 E	Iso G 2s	19	4	Black $\nabla$ , white stripes, on white framework tower 18	
<b>P3845</b> CN, G101, 1704-1	- Qingdian. No 1	36 06-91 N 120 18-92 E	Mo(C)Y 12s	..	..	Yellow x on yellow beacon	
<b>P3845-7</b> CN, G101, 1679-1	- Passenger Liner. S	36 04-94 N 120 18-18 E	Fl G 3s	14	5	White column, green bands 12	
<b>P3845-8</b> CN, G101, 1679-2	-- N	36 05-12 N 120 18-41 E	Fl W 3s	14	5	White column, black bands 12	
<b>P3845-9</b> CN, G101, 1692	- Median Basin. Breakwater. S	36 04-66 N 120 18-17 E	Iso W 4s	9	5	White column, black bands 6	
<b>P3846</b> CN, G101, 1693	--- N	36 04-80 N 120 18-18 E	Iso G 4s	9	5	White column, green bands 6	
<b>P3846-1</b> CN, G101, 1685	- Dabaodao Jiao	36 04-86 N 120 18-13 E	Iso Y 4s	9	6	White round concrete pile, yellow bands 6	
<b>P3846-5</b> CN, G101, 1689	- Small Basin. Entrance. N	36 04-60 N 120 18-19 E	F R	7	6	White masonry pile, red bands 5	

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QINGDAO GANG — Small Basin. Entrance - (contd)

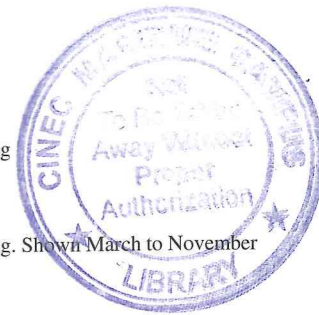
				m	M		
<b>P3846-52</b> CN, G101, 1690	--- S	36 04-54 N 120 18-20 E	F G	8	6	White masonry pile, green bands 5	
<b>P3846-53</b> CN, G101, 1687	- Baigeshi Langba	36 04-25 N 120 17-83 E	Oc G 3s	7	4	White round concrete pile, green bands 5	
<b>P3846-6</b> CN, G101, 1686-1	- Qingdao Ferry. Breakwater. S	36 04-08 N 120 17-64 E	Fl(3)R 6s	10	5	White column, red bands 8	<i>(fl 0-5, ec 1) x 2, fl 0-5, ec 2-5</i>
<b>P3847</b> CN, G101, 1701	- Huangdao Oil Pier. Ldg Lts 163°30'. Front	36 04-17 N 120 13-43 E	F G	17	3	White round metal tower, black bands 11	
<b>P3847-1</b> CN, G101, 1702	--- Rear	36 03-60 N 120 13-64 E	F G	20	3	White round metal tower, black bands 11	G161°-166°(5°)
<b>P3847-5</b> CN, G101, 1703	-- Fuel Pier. Head	36 03-82 N 120 13-59 E	F R	12	3	Red round metal tower 6	
<b>P3847-6</b> CN, G101, 1700-01	- Liquid Chemical Pier. N	36 04-07 N 120 12-98 E	Iso W 4s	20	5	Black and white metal post 12	
<b>P3847-61</b> CN, G101, 1700-02	-- S	36 03-92 N 120 13-08 E	Fl(2)W 6s	20	5	Black and white metal post 12	
<b>P3847-62</b>	-- N Head	36 04-25 N 120 12-85 E	Fl W 4s				
<b>P3849</b> CN, G101, 1652	- Chuchuluan	36 05-71 N 120 32-93 E	Fl(2)W 5s	8	5	Black $\otimes$ on black beacon, white band	<i>fl 0-5, ec 1, fl 0-5, ec 3.</i> Isolated danger mark
<b>P3850-55</b> CN, G101, 1634	- Tuolou Dao	36 04-74 N 120 35-04 E	LFl W 10s	22	3	White round stone tower on 6-sided stone base 5	<i>fl 2</i>
<b>P3850-6</b> CN, G101, 1632	LAOSHAN WAN - Laoshan Tou	36 08-15 N 120 42-74 E	Fl W 6s	116	15	White round masonry tower 12	W about 158°-072°(274°)
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82060
<b>P3850-62</b> CN, G101, 1628	- Yangkou	36 14-27 N 120 40-27 E	F G	9	5	..	Fishing
<b>P3850-65</b> CN, G101, 1627-1	- Jiaoshi (Jizhun Yan)	36 15-12 N 120 42-44 E	Fl W 6s	5	2	Triangular metal framework tower 15	Fishing
<b>P3850-7</b> CN, G101, 1626-14	- Tuzi Dao	36 16-44 N 120 42-87 E	Fl(2)W 6s	40	5	Black and white pillar 6	
<b>P3850-8</b> CN, G101, 1627	- Fengshan Jiao	36 16-68 N 120 40-84 E	Fl W 6s	5	5	Stone masonry pile structure	<i>fl 0-5.</i> Fishing. Shown April to October
<b>P3850-83</b> CN, G101, 1626-12	- Xiaodao Wan. Fengjia He. Pier	36 19-85 N 120 41-60 E	Iso W 4s	9	5	Black and white pillar 6	
<b>P3850-85</b> CN, G101, 1626-1	- Aoshan Gang. Breakwater. Head	36 19-70 N 120 43-40 E	Iso G 4s	9	5	Green and white pillar 6	
<b>P3850-87</b> CN, G101, 1626-4	- Dagan Dao. Pier	36 14-07 N 120 45-93 E	Fl(2)G 6s	9	5	Green and white pillar 6	
<b>P3850-9</b> CN, G101, 1626-2	- Ma'er Dao	36 14-20 N 120 49-10 E	Fl W 4s	69	10	White concrete column 8	<i>fl 0-5</i>

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				m	M			
P3856	Qianli Yan	36 16-10 N 121 23-21 E	Fl W 15s	85	24	White round masonry tower, red bands 15	W332°-324°(352°)	
	LAOSHAN WAN							
P3856-05	- Nü Dao	36 22-22 N 120 51-53 E	Iso R 4s	15	5	White column, red bands 8		
P3856-06	--	36 22-30 N 120 51-25 E	Fl(3)W 10s	78	10	Concrete pillar 10		
	--		Racon				ALRS Vol 2 Station 82063	
P3856-08	- Nüdao Gang. Breakwater. Head	36 22-46 N 120 51-89 E	Fl(2)G 6s	12	5	Green and white pillar 6		
P3856-1	- Yaque Shi	36 21-91 N 120 53-08 E	Fl(2)W 5s	12	8	White post, black bands 6		
P3856-13	- Malong Dao	36 24-15 N 120 55-66 E	Fl W 6s	20	8	Black and white pillar 8		
P3856-19	- Hengmen Wan. Zhang Dao	36 24-99 N 120 59-09 E	Iso R 4s	22	8	Red and white pillar 8		
P3856-2	-- Zhe Dao	36 26-07 N 121 00-63 E	Iso G 4s	46	8	Green and white pillar 8		
P3856-201	-- Tianheng Dao. Pier	36 25-52 N 120 57-07 E	Iso G 4s	9	5	Green and white pillar 6		
P3856-202	--- W Pier	36 25-31 N 120 56-82 E	Fl W 3s	8	8	Black and white pillar 8		
P3856-203	-- Lu Dao. Pier	36 25-23 N 120 55-73 E	Iso R 4s	9	5	Red and white pillar 6		
P3856-204	---	36 25-22 N 120 55-64 E	Fl W 10s	10	6	Metal framework tower	fl 0-5. Fishing	
P3856-208	-- Gu Shi	36 26-70 N 120 55-99 E	Fl R 3s	5	3	Metal framework tower	fl 0-3. Fishing. Shown March to November	
P3856-209	-- Shui Dao	36 26-95 N 120 57-01 E	Fl(3)W 10s	8	5	Red and white pillar 6		
P3856-21	Kaolao Wan. Sanping Dao	36 29-29 N 120 59-28 E	Iso W 4s	17	8	Black and white pillar 8		
P3856-22	Dingzi He Ya Dao	36 34-67 N 120 57-15 E	Fl W 4s	15	4	4-sided stone tower 6	fl 0-5. Occas	
P3856-25	Dingzi Zui	36 35-06 N 121 00-84 E	Fl W 4s	16	10	White round stone tower 8	fl 0-5. Occas	
	SHANDONG BANDAO. SOUTH COAST							
P3856-28	- Jinshilan	36 37-27 N 121 06-94 E	Fl(2)W 6s	5	6	Round concrete tower 8	fl 0-4, ec 1, fl 0-4, ec 4-2. Fishing. Shown 15 March to 15 November	
P3856-285	- Fengcheng Gang. Breakwater. Head	36 40-13 N 121 13-92 E	Iso W 4s	13	5			
P3856-288	-- Wharf	36 40-39 N 121 14-13 E	Fl W 2s	10	3			
P3856-29	-- Pier	36 40-68 N 121 14-14 E	Fl W 6s	14	8	Red concrete structure 12	fl 0-5	

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				m	M			
	SHANDONG BANDAO. SOUTH COAST - (contd)							
P3856-3	- Laolongtou	36 41-23 N 121 14-29 E	Fl W 6s	16	10	Round stone tower	fl 0-4. Fishing	
	--		AIS					
P3856-5	- Bogelan	36 41-91 N 121 22-17 E	Fl W 4s	6	6	Square stone tower 8	fl 0-4. Fishing. Shown March to November	
P3856-53	- Dabuquan Gang. W Breakwater. N	36 42-56 N 121 21-31 E	Mo(C)Y 12s	10	6	Yellow pole 6		
P3856-54	--- S	36 42-45 N 121 21-60 E	Mo(C)Y 12s	10	6	Yellow pole 6		
P3856-55	-- E Breakwater. N	36 42-33 N 121 23-68 E	Mo(C)Y 12s	10	6	Yellow pole 6		
P3856-57	--- S	36 42-28 N 121 23-83 E	Mo(C)Y 12s	10	6	Yellow pole 6		
P3856-6	- Caodao Zui	36 42-81 N 121 24-19 E	Fl W 3s	8	8	White round stone masonry pile 5	fl 0-5	
P3856-62	- Dabuquan Gang Heavy Cargo Pier	36 43-14 N 121 23-81 E	Iso R 4s	13	8	White pillar, red bands 8		
P3856-64	- Pipa Dao	36 46-22 N 121 28-37 E	Fl R 4s	11	5	White round stone tower 5	fl 0-5	
P3856-66	- Qujiao Shi	36 47-05 N 121 28-71 E	Fl W 4s	7	8	White round stone pile 5	fl 0-5	
P3856-7	- Rushan Kou. Entrance. Ldg Lt 035°. Front	36 46-29 N 121 29-14 E	Fl W 3s	10	3	White square stone structure, black stripes in centre 6	fl 0-3. Rear daymark 911 m from front	
P3856-75	- Pu Dao	36 44-05 N 121 31-97 E	Fl W 3s	58	6	White round stone tower 4	fl 0-3. Fishing. Shown April to July	
P3856-8	- Ta Dao	36 44-61 N 121 34-69 E	Fl W 3s	9	5	White square stone tower 3	fl 0-5. Fishing. Shown April to June	
P3857-2	- Fenghuang Zui	36 50-80 N 121 45-03 E	Fl W 4s	20	6	White round stone tower 7	fl 0-5. Fishing. Shown April to July and September to November	
P3857-22	- Heshangdong Langba	36 51-38 N 121 45-06 E	Fl W 6s	5	3	Round stone tower 2	fl 0-5. Fishing. Shown April to July and September to November	
P3857-3	- Langnuan Kou	36 55-05 N 121 51-77 E	Fl(3)W 6s	12	6	White stone tower 10	(fl 0-3, ec 1) x 2, fl 0-3, ec 3-1. Fishing	
	SHANDONG BANDAO							
P3857-35	- Zhangjiabu Xingang Pier	36 51-62 N 122 02-75 E	Iso R 6s	10	6	White pile, red bands 8		
	SHANDONG BANDAO. SOUTH COAST							
P3857-4	- Niuxin Dao	36 53-05 N 122 02-70 E	Fl W 6s	40	10	Round stone tower 4	fl 0-5. Fishing	
P3857-6	- Wugudun	36 55-32 N 122 05-44 E	Fl(2)W 6s	44	6	White round stone tower 11	fl 0-4, ec 1, fl 0-4, ec 4-2. Fishing	
P3857-7	- Fenghuangwei. Yuantong Outfitting Pier. Breakwater. Head	36 50-95 N 122 10-08 E	Iso G 4s	10	6	Green and white column 8		
P3857-8	--	36 50-52 N 122 10-50 E	Fl(2)W 6s	26	6	Round stone tower 11	fl 0-4, ec 1, fl 0-4, ec 4-2. Fishing	



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SHANDONG BANDAOS. SOUTH COAST - (contd)									
				m	M				
<b>P3858</b> CN, G101, 1586	- Sushan Dao	36 45-10 N 122 15-49 E	Fl W 25s	115	20	White round masonry tower 10	W312°-308°(356°)		
	-- Reserve light	..	Fl W 10s						
<b>P3859</b> CN, G101, 1585	- Zhukou	36 50-03 N 122 20-27 E	Fl(3)W 10s	44	6	Round stone tower 13	Fishing		
<b>P3859-3</b> CN, G101, 1584-6	- Wangjia Wan, Rongcheng. Hexing Shipping Pier	36 51-62 N 122 22-87 E	Iso R 4s	13	6	White metal tower, red bands 6			
<b>P3859-5</b> CN, G101, 1579	- Dayu Dao	36 51-86 N 122 25-01 E	F W	11	8	White square stone tower 7	Fishing. Shows F G gale force 6 to 7. Shows F R gale force 8 and above		
<b>P3859-6</b> CN, G101, 1572	- Shidao Matou	36 53-40 N 122 26-00 E	Fl R 4s	13	8	Red and white round GRP tower 8			
<b>P3859-8</b> CN, G101, 1573	- Shidao Gang, Shenfai Shipping	36 55-27 N 122 28-02 E	Fl W 4s	10	5	Red and white concrete column 6			
<b>P3860</b> CN, G101, 1561	- Moye Dao, Dongnan Gaojiao	36 53-84 N 122 30-86 E	Fl W 15s	28	15	White round tower, red bands, white dwellings 21			
	---	..	Siren(2) 100s	..	..	..	bl 4, si 5, bl 4, si 87		
SHANDONG BANDAOS. EAST COAST									
<b>P3861</b> CN, G101, 1560	- Chudao Zui	37 02-42 N 122 34-15 E	Fl(2)W 5s	17	12	White round concrete pile	fl 0-5, ec 1, fl 0-5, ec 3		
	--	..	Horn 185s	..	..	..	bl 5		
<b>P3861-5</b> CN, G101, 1559-01	- Sanggou Wan, Rongcheng Salvage Base. Breakwater. Head	37 08-93 N 122 30-11 E	Fl(2)R 5s	10	3	Blue and white metal pole 8			
<b>P3862</b> CN, G101, 1559	- Haimaozi Tou	37 09-59 N 122 34-24 E	Fl W 12s	75	25	White round masonry tower 14			
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82070		
<b>P3862-1</b> CN, G101, 1558-1	- Mata Jiao	37 11-65 N 122 37-30 E	Fl(2)W 10s	20	6	White masonry tower 7	Fishing		
	--	..	Siren 90s	..	..	..	bl 3		
<b>P3863</b> CN, G101, 1554	- Waizhe Dao	37 15-51 N 122 35-21 E	Fl W 8s	49	16	White round stone tower 14			
<b>P3863-1</b> CN, G101, 1554-1	- Jiaye Pier	37 15-45 N 122 34-51 E	Iso R 4s	14	8	Black metal pipe, red bands on round pillar 9			
<b>P3863-2</b> CN, G101, 1554-7	- Sanxing, Heavy Industrial. Pier	37 16-56 N 122 33-67 E	F R	12	6	White metal column, red bands 8			
<b>P3863-5</b> CN, G101, 1548	- Yangyuchi Wan, Cao Dao	37 18-55 N 122 34-39 E	Iso W 4s	36	15	White round brick tower 13			
<b>P3864</b> CN, G101, 1542	- Chengshan Jiao	37 23-70 N 122 42-18 E	LFl(2)W 20s	60	25	White stone column 16	fl 3, ec 2-5, fl 3, ec 11-5. W117°-044°(287°). Partially obscured 117°-158°(41°)		
	-- Reserve light	..	Fl(2)W 12s	..	12				
SHANDONG BANDAOS. NORTH COAST									
<b>P3866</b> CN, G101, 1541	- Hailü Dao	37 26-82 N 122 39-94 E	Fl W 5s	71	15	White round masonry tower 7	fl 0-5		
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82090		
<b>P3866-4</b> CN, G101, 1540-68	- Malan Wan, Longyan Gang Dongqu Shipyard Pier	37 25-36 N 122 39-63 E	Iso W 4s	13	8	Black metal framework tower 10			

SHANDONG BANDAOS. NORTH COAST - (contd)									
				m	M				
<b>P3866-5</b> CN, G101, 1540-6	- Longyan Gang, Ldg Lts. Front	37 24-80 N 122 38-41 E	F R	18	6	Red and white $\Delta$ on red and white framework tower 17			
<b>P3866-51</b> CN, G101, 1540-61	--- Rear	37 24-52 N 122 38-29 E	F R	25	6	Red and white $\nabla$ on red and white framework tower 17			
<b>P3867</b> CN, G101, 1540	- Jiming Dao	37 27-04 N 122 28-99 E	Fl W 10s	77	15	White round masonry tower, red bands 8	fl 1		
SHANDONG BANDAOS. NORTH COAST. WEIHAI GANG AND APPROACHES									
<b>P3868</b> CN, G101, 1539	- Zhaobei Zui, Weihai Gang	37 27-69 N 122 14-58 E	Fl W 8s	29	15	White round metal tower and dwellings 9	fl 1		
	--- Reserve light	..	Fl W 8s						
<b>P3868-5</b> CN, G101, 1538-23	- Weihai Gang, Huaneng Electric Works. Breakwater Head	37 27-38 N 122 11-99 E	F R	8	4	Red metal framework beacon 5			
<b>P3868-7</b> CN, G101, 1538-24	- Yangjia Wan, Weihai Gang Xingang, Passenger and Ro-Ro Pier	37 26-06 N 122 10-83 E	Fl W 4s	10	6	White column, black bands 6			
<b>P3869</b> CN, G101, 1538	- Ri Dao	37 28-71 N 122 12-11 E	Fl(2)W 6s	19	7	White round masonry tower 5	fl 0-5, ec 1, fl 0-5, ec 4		
<b>P3870</b> CN, G101, 1537	- Dahong	37 29-67 N 122 12-94 E	Fl W 5s	10	8	Red and white masonry column 7	fl 0-5. Occas		
<b>P3871</b> CN, G101, 1531	- Qigan Zui	37 29-54 N 122 08-44 E	Fl W 12s	24	16	White round masonry tower 11			
	-- Reserve light	..	Fl W 12s						
<b>P3871-3</b> CN, G101, 1532	- Weihai Gang, Fishing Harbour. Dam. Head	37 28-90 N 122 08-41 E	F R	5	3	White metal framework tower			
<b>P3871-5</b> CN, G101, 1530	-- Shipyard. Pier	37 29-71 N 122 08-07 E	F R	3	3	Metal framework tower			
<b>P3871-6</b> CN, G101, 1528-3	-- Wandunji Matou, S	37 30-25 N 122 07-48 E	F R	23	4	Black and white metal framework tower 19			
<b>P3871-63</b> CN, G101, 1528-2	--- N	37 30-35 N 122 07-50 E	Q R	23	4	White square metal framework tower 19			
<b>P3871-7</b> CN, G101, 1528-1	-- Ldg Lts 270°. Front	37 30-38 N 122 07-22 E	F R	31	4	Black $\Delta$ on red framework tower, white bands 10			
<b>P3871-71</b> CN, G101, 1528-11	--- Rear	37 30-38 N 122 07-09 E	F R	41	4	Black $\nabla$ on red framework tower, white bands 37			
<b>P3874</b> CN, G101, 1517	- Yashi Dao	37 31-74 N 122 10-50 E	Fl G 5s	16	8	White pole 6			
SHANDONG BANDAOS. NORTH COAST									
<b>P3876</b> CN, G101, 1513	- Jingzi Tou	37 33-67 N 122 07-21 E	Fl W 15s	92	25	White round masonry tower 8			
<b>P3877</b> CN, G101, 1512	- Shuangdao Gang	37 29-00 N 121 57-77 E	Fl(2)W 6s	16	6	Round stone tower 7	fl 0-4, ec 1, fl 0-4, ec 4-2. Fishing. Shown March to November		

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SHANDONG BANDA O. NORTH COAST. YANTAI GANG									
				m	M				
<b>P3878</b> CN, G101, 1497	- Kongdong Dao	37 33-74 N 121 30-94 E	Fl W 15s	78	20	White round masonry tower 19			
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82100		
SHANDONG BANDA O. NORTH COAST									
<b>P3880</b> CN, G101, 1490	- Diliuxing (North Rock)	37 36-61 N 121 35-42 E	Fl(2)W 6s	28	8	White square masonry tower 4	<i>fl 0-4, ec 1, fl 0-4, ec 4-2.</i> Fishing		
SHANDONG BANDA O. NORTH COAST. YANTAI GANG									
<b>P3880-5</b> CN, G101, 1489	- Dajiao Shi (Dashi Jiao)	37 34-82 N 121 28-16 E	Fl(2)R 6s	16	2.5	Red metal pole 4	<i>fl 0-4, ec 1, fl 0-4, ec 4-2.</i> R031.5°-273.5°(242°). Fishing		
<b>P3881</b> CN, G101, 1488	- Xiaoshanzi. Zhifu Dongjiao	37 35-63 N 121 25-99 E	Fl W 6s	21	6	White square brick tower 8	<i>fl 1</i>		
<b>P3881-3</b> CN, G101, 1496-694	- Yantai CIMC Raffles Pier. S End	37 35-39 N 121 24-07 E	Iso W 4s	13	8	Red metal framework tower 10			
<b>P3881-4</b> CN, G101, 1496-6	- Vehicle Ferry Pier	37 35-43 N 121 22-77 E	F R	9	4	Black metal frame 4			
<b>P3881-5</b> CN, G101, 1496-63	- Service Boat Pier. Head	37 35-60 N 121 22-60 E	F G	13	8	White metal column 8			
<b>P3881-55</b> CN, G101, 1496-68	- Salvage Base. W Jetty. Westward	37 35-72 N 121 22-90 E	Iso R 4s	9	6	White post, red bands 6			
<b>P3881-56</b>	- - - Head	37 35-73 N 121 22-95 E	Q W	10	8				
<b>P3881-6</b> CN, G101, 1496-69	- Beihai Salvage Pier. Head	37 35-64 N 121 23-47 E	Q W	10	8	White square metal framework tower, black bands 8			
<b>P3881-8</b> CN, G101, 1494-32	- Situ Breakwater. Head	37 35-02 N 121 23-40 E	Q G	12	5	Black metal framework beacon 8			
<b>P3881-9</b> CN, G101, 1496-51	- Sanqi Hangdao. Ldg Lts 277°57'. Front	37 34-99 N 121 22-31 E	F R	38	4	Black ▽ on white metal column, red bands 34			
<b>P3881-91</b> CN, G101, 1496-52	- - - Rear	37 35-00 N 121 22-19 E	F R	43	4	Black △ on white metal column, red bands 39			
<b>P3882</b> CN, G101, 1499	- Yantai Shan	37 32-88 N 121 23-80 E	Fl W 9s	80	20	White 8-sided concrete tower 49	W210°-284°(74°). Except where obscured by high land		
<b>P3882-5</b> CN, G101, 1508-19	- W Port Entrance. Middle Ldg Lts 248°. Front	37 33-72 N 121 22-13 E	F R	38	15	Red and white ◇ on round tower 35			
	----	..	Racon	..	..	..	ALRS Vol 2 Station 82101		
<b>P3882-51</b> CN, G101, 1508-2	- - - Rear	37 33-55 N 121 21-60 E	F R	49	15	Red and white ◇ on round tower 45			
<b>P3883-1</b> CN, G101, 1508-21	- - N Lts in line 248°. Front	37 33-77 N 121 22-19 E	F G	28	15	Black and white △ on round tower 25			
<b>P3883-11</b> CN, G101, 1508-23	- - - Rear	37 33-57 N 121 21-56 E	F G	39	15	Black and white ▽ on round tower 35			
<b>P3883-5</b> CN, G101, 1508-22	- - S Lts in line 248°. Front	37 33-69 N 121 22-13 E	F G	28	15	Black and white ▽ on round tower 25			

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SHANDONG BANDA O. NORTH COAST. YANTAI GANG — W Port Entrance. S Lts in line 248° - (contd)									
				m	M				
<b>P3883-51</b> CN, G101, 1508-24	- - - Rear	37 33-53 N 121 21-65 E	F G	39	15	Black and white △ on round tower 35			
<b>P3883-7</b> CN, G101, 1508-17	- West Basin. Inner Harbour. Pier Stage. No 2	37 33-63 N 121 22-97 E	Iso W 4s	10	6	Red and white column 8			
<b>P3884</b> CN, G101, 1503	- E Basin. E Breakwater. N End	37 33-46 N 121 23-81 E	Fl R 4s	16	5	Red square metal framework tower 12	<i>fl 0-5</i>		
<b>P3886</b> CN, G101, 1504	- - - S End	37 33-08 N 121 24-01 E	Q G	16	8	Green square metal framework tower 12			
<b>P3886-53</b> CN, G101, 1502-04	- W Port. No 3 Basin. N Breakwater. Head	37 34-63 N 121 23-51 E	Q R	11	5	Black 4-sided framework tower 8			
<b>P3886-55</b> CN, G101, 1502-05	- - - S Breakwater	37 34-28 N 121 23-52 E	Q G	11	5	Black square framework tower 8			
<b>P3887</b> CN, G101, 1505	- East Basin. Inner Harbour. Ldg Lts 280°. Front	37 33-13 N 121 23-26 E	F R	31	3	△ on red square framework structure, white bands 29			
<b>P3887-1</b> CN, G101, 1506	- - - - Rear	37 33-16 N 121 23-07 E	F R	43	3	▽ on red square framework structure, white bands 39			
<b>P3888</b> CN, G101, 1502	- E Basin. W Breakwater. Head	37 33-37 N 121 23-71 E	Fl G 4s	10	8	Green square metal framework tower 7	<i>fl 0-5</i>		
SHANDONG BANDA O. NORTH COAST									
<b>P3890</b> CN, G101, 1486	- Ba Jiao	37 38-48 N 121 09-01 E	Fl(3)W 6s	25	6	Round stone tower 9	<i>(fl 0-3, ec 1) x 2, fl 0-3, ec 3-1.</i> Fishing. Shown 15 March to 15 December		
<b>P3891</b> CN, G101, 1485	- Longdong Zui. Longmenyan	37 41-94 N 121 08-71 E	Fl W 3s	104	12	Round stone tower 10	<i>fl 0-4.</i> Fishing		
<b>P3891-03</b> CN, G101, 1484-7	- Yantai Gang. West Harbour. Main Channel. Ldg Lts 017-7°. Front	37 42-52 N 121 07-86 E	F R	56	15	△ on white metal framework tower, red bands 50			
<b>P3891-04</b> CN, G101, 1484-8	- - - - - Rear. 0.54M from front	37 42-01 N 121 07-66 E	F R	76	15	▽ on white metal framework tower, red bands 31			
<b>P3891-1</b> CN, G101, 1484-203	- - - Pier for 300,000 ton. Breakwater. Head	37 43-49 N 121 07-37 E	Iso R 4s	13	8	Red pile 8			
<b>P3891-2</b> CN, G101, 1484-1	- - - Breakwater	37 43-43 N 121 04-87 E	Iso G 4s	10	6	White metal column 6			
<b>P3891-25</b>	- - -	37 43-31 N 121 04-02 E	Fl(2)W 5s	6	4	Beacon	(T) 2013		
<b>P3891-27</b> CN, G101, 1484-207	- - - General Wharf. Breakwater. Head	37 42-81 N 121 04-35 E	F R	10	6	White metal pile, red bands 6			
<b>P3891-28</b>	- - -	37 43-07 N 121 03-72 E	F G	10	3	..	(T) 2013		
<b>P3891-3</b> CN, G101, 1484-2	- - - Liquified Chemical Pier Breakwater	37 43-42 N 121 03-84 E	F G	10	6	White metal column, black bands 4			
<b>P3891-4</b> CN, G101, 1484	- Liujiawang	37 48-17 N 120 56-46 E	Fl(2)W 6s	38	9	Round stone tower	<i>fl 0-4, ec 1, fl 0-4, ec 4-2.</i> Fishing		

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BOHAI HAIXIA. MIAODAO QUNDAO

<b>P3892</b> CN, G101, 1474	- Houji Dao. Summit	38 03-52 N 120 38-52 E	FI W 12s	104	15	Black round tower	
	--- Reserve light	..	FI W 12s	..	..	..	
	---	..	Racon	..	..	..	ALRS Vol 2 Station 82107
<b>P3892-05</b> CN, G101, 1478	- Laodong Jiao	38 08-72 N 120 54-02 E	FI(2)WR 6s	5	W 6 R 3	Round concrete tower	<i>fl 0-4, ec 1, fl 0-4, ec 4-2.</i> W093°-085°(352°), R085°-093°(8°). Fishing. <b>TE 2013</b>
<b>P3892-1</b> CN, G101, 1479	- Bei Jiao	38 13-63 N 120 47-27 E	FI W 4s	8	6	Red square metal framework tower	<i>fl 0-4</i>
<b>P3892-3</b> CN, G101, 1481-7	- Daqin Dao. Pier	38 17-90 N 120 49-11 E	Q R	10	4	Red and white column	
<b>P3892-4</b> CN, G101, 1481-6	- Xiaoqin Dao. Pier	38 20-28 N 120 50-70 E	Q G	9	3	Black and white column	
<b>P3892-5</b> CN, G101, 1482	- Beihuangcheng Dao	38 23-65 N 120 54-59 E	FI(2)W 15s	171	25	White round masonry tower	
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82110
<b>P3892-55</b> CN, G101, 1481-5	-- Pier	38 23-09 N 120 55-25 E	FI G 5s	9	3	Red and white column	
<b>P3892-58</b> CN, G101, 1481	- Huangcheng Shuidao. Xingshi Jiao	38 22-44 N 120 54-99 E	FI W 3s	6	6	Red metal framework tower	<i>fl 0-5</i>
<b>P3892-6</b> CN, G101, 1480	- Xianglu Jiao	38 22-27 N 120 53-59 E	FI R 5s	10	6	White framework tower	<i>fl 0-5</i>
<b>P3892-8</b> CN, G101, 1479-9	- Nanhuangcheng. Aid Post Breakwater	38 21-75 N 120 54-38 E	F G	9	3	Metal framework tower	
<b>P3893</b> CN, G101, 1476	- Xiaozhushan Dao	38 01-29 N 120 52-17 E	FI W 5s	104	18	White round tower	<i>fl 0-5.</i> W258°-271°(13°). Obscured by Dazhushan Dao
<b>P3893-5</b> CN, G101, 1475	- Dazhushan Dao	38 01-51 N 120 56-53 E	FI W 8s	205	15	White round tower, black bands	
	-- Reserve light	..	FI W 8s	..	..	..	
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82105
<b>P3893-7</b> CN, G101, 1477	- Tuozi Dao	38 09-13 N 120 44-77 E	FI W 6s	68	15	White column	
<b>P3893-75</b> CN, G101, 1476-9	-- Pier	38 09-20 N 120 44-90 E	FI R 3s	10	4	Red and white column	
<b>P3894</b> CN, G101, 1473	- Beichangshan Dao. N Point	37 59-20 N 120 42-86 E	FI W 10s	102	22	White round tower	W122°-253°(131°)
	---	..	FI W 10s	..	10	..	
<b>P3894-5</b> CN, G101, 1472	-- Xibei Zui	37 59-38 N 120 40-90 E	FI W 4s	27	7	Round concrete pile	<i>fl 0-5</i>
<b>P3894-55</b> CN, G101, 1465-2	-- Tuzuizi	37 58-42 N 120 41-51 E	FI W 5s	12	5	Black and white column	
<b>P3894-7</b> CN, G101, 1470	- Zhenzhumen Xianglu Jiao	37 59-08 N 120 40-65 E	FI R 3s	9	3	Red and white round concrete column	<i>fl 0-5</i>
<b>P3895</b> CN, G101, 1462	- Nanchangshan Dao. Changdao Gang. N Basin. S	37 55-64 N 120 43-27 E	F R	11	6	White column, black band	

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BOHAI HAIXIA. MIAODAO QUNDAO — Nanchangshan Dao. Changdao Gang. N Basin - (contd)

<b>P3895-1</b> CN, G101, 1462-1	--- N	37 55-80 N 120 43-21 E	F G	11	6	White column	
<b>P3895-2</b> CN, G101, 1459-2	--- Kegun Pier	37 55-39 N 120 43-40 E	Q R	13	5	Red and white column	
<b>P3895-22</b> CN, G101, 1459	- Quezuijianzi	37 54-87 N 120 43-31 E	FI W 10s	75	15	White concrete column	<i>fl 1</i>
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82103
<b>P3895-25</b> CN, G101, 1467	- Yunanjiang. Yulin Dao	37 55-64 N 120 38-39 E	FI W 4s	6	6	Red and white metal framework tower	<i>fl 0-4</i>
<b>P3895-27</b> CN, G101, 1465-6	- Miao Dao. South. Pier	37 55-67 N 120 40-57 E	Iso G 4s	8	6	Green pile	
<b>P3895-28</b> CN, G101, 1466	- Niutuozhi Dao	37 55-88 N 120 40-20 E	FI(2)W 6s	32	8	White round stone tower	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>
<b>P3895-3</b> CN, G101, 1468	- Xiaoheishan Dao. Miao Zui	37 57-99 N 120 38-43 E	FI W 6s	48	8	White round stone tower	<i>fl 0-5</i>
<b>P3895-32</b> CN, G101, 1468-2	-- Pier	37 57-83 N 120 38-36 E	F R	8	4	Red column	
<b>P3895-34</b> CN, G101, 1468-4	- Daheishan Dao. Pier	37 57-85 N 120 37-52 E	FI G 3s	9	3	Red and white column	
<b>P3895-35</b> CN, G101, 1469	- Lijubadao	37 58-86 N 120 39-21 E	FI W 3s	26	8	White round stone tower	<i>fl 0-5</i>
<b>P3895-38</b> CN, G101, 1471	- Danglang Dao	37 59-32 N 120 40-12 E	FI(3)W 10s	38	10	Round concrete pile	<i>(fl 0-5, ec 1-5) x 2, fl 0-5, ec 5-5</i>
<b>P3895-4</b> CN, G101, 1465	- Xingshi Jiao	37 57-72 N 120 41-63 E	FI(2)W 6s	6	5	Black metal framework tower	<i>fl 0-4, ec 1, fl 0-4, ec 4-2</i>
<b>P3895-5</b> CN, G101, 1465-4	- Miao Dao. Pier	37 56-76 N 120 41-35 E	Q.W	8	4	Red and white column	

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SHANDONG BANDAO. NORTH COAST							
<b>P3895-6</b> CN, G101, 1483	- Di Jiao	37 49-20 N 120 54-71 E	FI W 8s	45	10	White pole	<i>fl 0-5</i>
<b>P3895-7</b> CN, G101, 1482-61	- Penglai Donggang. Breakwater. Head	37 49-36 N 120 50-16 E	FI R 6s	12	8	Black and white metal tube	

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<b>P3895-8</b> CN, G101, 1458	Penglai Gang. Entrance. W Side	37 49-93 N 120 44-27 E	FI G 4s	9	3	Red metal pile	<i>fl 0-5</i>
<b>P3895-81</b> CN, G101, 1457	-- E Side	37 49-90 N 120 44-40 E	FI R 4s	10	4	Red metal pile	<i>fl 0-5</i>
<b>P3895-85</b> CN, G101, 1456	- Laobei Shan. Penglai Tou	37 49-85 N 120 44-60 E	FI W 5s	90	20	White round tower	<i>fl 1</i>
	-- Reserve light	..	FI W 5s	..	..	..	
<b>P3895-88</b> CN, G101, 1455	- Luanjiakou Gang	37 46-52 N 120 37-68 E	FI W 4s	17	4	Round stone tower	<i>fl 0-4.</i> Fishing
<b>P3895-95</b> CN, G101, 1454-91	- Penglai Jinglu Shipping Industry. W Pier	37 46-85 N 120 38-13 E	Q R	10	6	White column, black bands	

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		Luanjiakou Gang - (contd)							
				m	M				
<b>P3896</b> CN, G101, 1455-2	- Breakwater. Head	37 47-03 N 120 37-85 E	F G	14	3	Green metal framework tower 12			
<b>P3896-1</b> CN, G102, 1455-3	- Crude Oil Pier. Head	37 47-32 N 120 37-28 E	FI G 6s						
<b>P3896-15</b> CN, G101, 1455-6	- Pier for 10,000 tons. S Head	37 47-43 N 120 38-10 E	Iso G 4s	8	7	White metal column 6			
<b>P3896-16</b> CN, G101, 1454-9	- Penglai Jinglu Shipping Industry. N Pier	37 47-45 N 120 38-44 E	Iso R 4s	13	8	White column, red bands 10			
<b>P3896-2</b> CN, G101, 1455-5	- Pier for 10,000 tons. N Head	37 47-59 N 120 38-10 E	Q G	8	6	Black and white metal column 6			
<b>P3896-8</b> CN, G101, 1454	Sang Dao	37 46-56 N 120 27-02 E	FI(2)W 6s	21	13	Round stone tower 10	<i>fl 0-5, ec 1, fl 0-5, ec 4.</i> Fishing		
<b>P3896-83</b> CN, G101, 1453	Huashi Dao	37 45-99 N 120 26-53 E	FI R 3s	5	2	Stone pile 7	<i>fl 0-5.</i> Fishing. Shown May to November		
<b>P3896-85</b> CN, G101, 1452-1	Yi Dao	37 47-47 N 120 25-46 E	FI W 6s	9	7	Black framework tower 5	<i>fl 0-5.</i> Fishing		
LAIZHOU WAN									
<b>P3897</b> CN, G101, 1452	- Qimu Jiao	37 41-14 N 120 13-54 E	FI W 5s	71	20	White round concrete tower 18	<i>fl 1</i>		
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82113		
<b>P3897-6</b> CN, G101, 1451-02	- Shengli Matou Hangdao. Ldg Lts 030°09'. Front	37 40-32 N 120 16-27 E	Iso G 2s	21	3	Black and yellow □ on black metal framework tower 20			
<b>P3897-61</b> CN, G101, 1451-03	--- Rear. 650m from front	37 40-62 N 120 16-49 E	Iso R 2s	30	3	Black and yellow □ on black metal framework tower 29			
<b>P3897-65</b> CN, G101, 1451-04	- Shengli Matou. Breakwater Head	37 39-76 N 120 15-73 E	Iso G 2s	17	3	Framework tower 16			
<b>P3897-7</b> CN, G101, 1448-16	- Longkou Gang. Kegun. S	37 38-90 N 120 19-06 E	F G	8	3	Black metal framework tower 4			
<b>P3897-77</b> CN, G101, 1448-17	--- W	37 38-96 N 120 18-95 E	F R	14	8	Black and white metal column 8			
<b>P3898</b> CN, G101, 1441	-- Ldg Lts 086°30'. Front	37 38-64 N 120 19-16 E	F G	32	8	White ◇, red stripe on white metal framework tower, red bands 32			
<b>P3898-1</b> CN, G101, 1442	--- Rear. 0-54M from front	37 38-67 N 120 19-83 E	F G	46	8	Red and white ◇ on white column 43			
<b>P3898-15</b> CN, G101, 1442-02	-- E Breakwater. Head	37 38-49 N 120 19-02 E	Q R	10	5	Black metal framework tower 6			
<b>P3898-2</b> CN, G101, 1442-01	-- Zhonghaiyou Pier	37 38-49 N 120 18-74 E	Iso G 4s	10	6	White pile, green bands 8			
<b>P3898-3</b> CN, G101, 1448-114	-- Berth No 27	37 38-70 N 120 17-25 E	Iso R 4s	13	8	Red and white column 10			

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		LAIZHOU WAN — Longkou Gang - (contd)							
				m	M				
<b>P3898-5</b> CN, G101, 1445-93	-- Xinhangdao. Ldg Lts 143°59'. Front	37 37-39 N 120 15-58 E	F R	28	8	Black ◇ on black metal framework tower 24			
<b>P3898-51</b> CN, G101, 1445-94	--- Rear	37 36-96 N 120 15-98 E	F R	44	8	Black ◇ on black metal framework 40			
<b>P3899</b> CN, G101, 1449	-- Ldg Lts 037°28'. Front	37 39-36 N 120 19-14 E	F R	17	3	Black ◇, on black metal framework tower			
<b>P3899-1</b> CN, G101, 1450	--- Rear	37 39-50 N 120 19-27 E	F R	21	3	Black ◇, on black metal framework tower			
<b>P3900</b> CN, G101, 1450-2	-- Coal Channel. Ldg Lts 327°29'. Front	37 39-87 N 120 18-22 E	F G	30	3	Black ◇ on black structure			
<b>P3900-1</b> CN, G101, 1450-21	--- Rear. 0-96M from front	37 40-68 N 120 17-57 E	F R	40	3	Black ◇ on black structure			
<b>P3905</b> CN, G101, 1437-08	- Sanshandao. Ldg Lts 159-5°. Front	37 24-66 N 119 56-83 E	F R	28	5	Red △ on white metal pillar, red bands			
<b>P3905-1</b> CN, G101, 1437-09	--- Rear. 130m from front	37 24-60 N 119 56-85 E	F R	35	5	Red ▽ on white metal pillar, red bands			
<b>P3905-2</b>	-- Jetty. S	37 24-82 N 119 56-69 E	Q W	11	5				
<b>P3905-3</b> CN, G101, 1437-6	--- N	37 25-04 N 119 56-85 E	F W	9	5	White metal pillar, red bands			
<b>P3905-35</b> CN, G101, 1437-61	-- Liquefied Pier. N	37 25-37 N 119 56-76 E	F R	..	5	Black and white metal column 9			
<b>P3905-36</b> CN, G101, 1437-62	--- S	37 25-11 N 119 56-79 E	F G	9	3	White cylindrical pile 4			
<b>P3905-365</b> CN, G101, 1437-611	-- W Breakwater	37 25-35 N 119 56-40 E	Q G	13	8	Black and white square metal framework tower 8			
<b>P3905-4</b> CN, G101, 1437	--	37 24-62 N 119 56-14 E	FI R 3s	7	3	Red metal framework tower on concrete base	<i>fl 0-3.</i> Fishing		
<b>P3905-5</b> CN, G101, 1436	--	37 24-38 N 119 56-44 E	FI(2)W 6s	33	10	Square masonry tower 8	<i>fl 0-4, ec 1, fl 0-4, ec 4-2.</i> Fishing. Shown April to November		
<b>P3905-58</b> CN, G101, 1437-9	- Laizhou Gang. Huadian Pier	37 26-62 N 120 00-76 E	Iso R 4s	13	8	White column, red bands 6			
<b>P3905-6</b> CN, G101, 1438	- Haibei Zui	37 26-05 N 120 03-13 E	FI W 6s	14	3	Concrete post	<i>fl 0-4.</i> Fishing. Shown February to December		
<b>P3905-7</b> CN, G101, 1439	- Shihu Zui	37 27-45 N 120 06-58 E	F W	21	8	Wooden post 11	Fishing. Shown February to December		
<b>P3906</b> CN, G101, 1435	- Diaolong Zui	37 21-51 N 119 50-57 E	FI(3)W 6s	20	5	Round stone tower	<i>(fl 0-3, ec 1) x 2, fl 0-3, ec 3-1.</i> Fishing. Shown February to November		
<b>P3906-15</b> CN, G101, 1434	- Qinglinpu	37 19-10 N 119 53-43 E	F W	14	8	Concrete post 5	Fishing. Shown February to November		
<b>P3906-17</b> CN, G101, 1432	- Haimiao. Rear	37 13-58 N 119 52-36 E	FI W 6s	18	6	Concrete post 9	<i>fl 0-4.</i> Fishing. Shown February to November		

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LAIZHOU WAN - (contd)

				m	M		
<b>P3906-19</b> CN, G101, 1431	- Pabu. Rear	37 11-65 N 119 49-69 E	Fl W 3s	16	6	Concrete post 11	<i>fl 0-3.</i> Fishing. Shown February to November
<b>P3906-2</b> CN, G101, 1430	- Hutouya	37 09-84 N 119 46-75 E	Fl(2)W 6s	42	6	Stone tower 9	<i>fl 0-4, ec 1, fl 0-4, ec 4-2.</i> Fishing. Shown February to November
<b>P3906-22</b> CN, G101, 1429	- Haicang	37 08-78 N 119 43-28 E	F W	8	6	Wooden post	Fishing. Shown April to November
<b>P3906-23</b>	-	37 12-37 N 119 42-45 E	Aero Fl R 3s	100	..	Wind turbine	<b>Obstruction</b>
<b>P3906-235</b> CN, G101, 1433-5	- Laizhou Wan Offshore Wind Tower	37 17-44 N 119 39-02 E	Fl R 3s	100	2-5	Wind turbine	Fl R & Fl Y lights mark the corners of the base
<b>P3906-24</b> CN, G101, 1428	- Weihe Kou	37 09-69 N 119 32-18 E	Fl W 4s	6	6	Wooden framework tower	<i>fl 0-4.</i> Fishing. Shown March to November
<b>P3906-25</b> CN, G101, 1427-1	- Wei He Estuary	37 10-70 N 119 29-38 E	Fl(3)W 12s	10	3	Wooden spar 12	
<b>P3906-26</b> CN, G101, 1427	- Bailang He	37 11-74 N 119 12-65 E	Fl W 4s	11	6	Wooden framework tower	<i>fl 0-4.</i> Fishing. Shown April to November
<b>P3906-268</b> CN, G101, 1426-15	- Weifang Gang. Berth. No 8	37 14-29 N 119 11-25 E	Iso R 4s	13	8	White post, red bands 10	
<b>P3906-27</b> CN, G101, 1426-1	-- Breakwater. Head	37 15-10 N 119 11-47 E	Q R	12	3	Red and white metal framework tower 6	
<b>P3906-272</b> CN, G101, 1426-51	-- W Breakwater. No 1	37 18-00 N 119 13-76 E	Iso W 6s	6	4	White metal post, red bands 6	
<b>P3906-273</b> CN, G101, 1426-52	--- No 2	37 16-82 N 119 12-18 E	Iso W 6s	6	4	White metal post, red bands 6	
<b>P3906-274</b> CN, G101, 1426-53	-- E Breakwater. No 1	37 17-09 N 119 14-83 E	Iso W 4s	7	4	White metal post, red bands 6	
<b>P3906-275</b> CN, G101, 1426-54	--- No 2	37 15-91 N 119 13-24 E	Iso W 4s	7	4	White metal post, red bands 6	
<b>P3906-3</b> CN, G101, 1424-1	- Guangli Fishing Harbour. No 1	37 22-01 N 119 02-04 E	Fl W 4s	10	6	Metal framework tower	
<b>P3906-32</b> CN, G101, 1423	- Tidal Station	37 25-79 N 119 01-84 E	Fl Y 3s	..	..	Metal tube	<i>fl 0-3.</i> Shown April to November
<b>P3906-35</b> CN, G101, 1421	- Dazuigouhe Men. No 1	37 40-01 N 119 04-14 E	Fl W 3s	8	5	Wooden post	<i>fl 0-3.</i> Fishing. Shown 20/3 to 20/12
<b>P3906-36</b> CN, G101, 1422	-- No 2	37 40-79 N 119 03-31 E	Fl W 4s	8	3	Wooden post	<i>fl 0-5.</i> Fishing. Shown 20/3 to 20/12
<b>BOHAI WAN</b>							
<b>P3906-38</b> CN, G101, 1415-8055	- Dongying Gang. Liquid Chemical Pier	38 09-39 N 119 03-74 E	Fl W 3s	21	7	White tower, red bands 15	
<b>P3906-4</b> CN, G101, 1415-9	-- Breakwater. Head	38 08-27 N 119 02-68 E	Fl G 3s	18	7	White metal tower, green bands 12	<i>fl 0-5</i>
<b>P3906-401</b> CN, G101, 1415-91	--- Warning. No 1	38 07-83 N 119 01-47 E	Mo(C)Y 12s	12	5	Yellow metal post 3	
<b>P3906-4015</b> CN, G101, 1415-8061	-----	38 07-61 N 119 00-72 E	Iso W 2s	17	7	White tower, black bands 11	
<b>P3906-402</b> CN, G101, 1415-911	----- No 2	38 07-20 N 119 00-33 E	Mo(C)Y 12s	12	5	Yellow metal post 3	

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BOHAI WAN — Dongying Gang. Breakwater. Warning - (contd)

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<b>P3906-403</b> CN, G101, 1415-912	---- No 3	38 06-55 N 118 59-17 E	Mo(C)Y 12s	12	5	Yellow metal post 3	
<b>P3906-404</b> CN, G101, 1416-03	-- Jetty. No 4. Berth 3	38 06-02 N 118 58-90 E	Fl W 3s	9	5	White column, black bands 5	
<b>P3906-405</b> CN, G101, 1416-04	---- Berth 9	38 05-97 N 118 58-68 E	Oc W 6s	11	5	White metal pillar, red bands 5	<i>ec 2</i>
<b>P3906-406</b>	----	38 06-07 N 118 58-50 E	Mo(U)Y 10s	4	5-2		
<b>P3906-408</b>	-- North Harbour Entrance. N Breakwater. Head	38 05-20 N 118 57-36 E	Mo(U)G 10s	10	5-2		
<b>P3906-409</b>	--- S Breakwater. Head	38 05-15 N 118 57-39 E	Mo(U)R 10s	10	5-2		
<b>P3906-41</b> CN, G101, 1416-2	-- Harbour Entrance. N Breakwater. Head	38 04-95 N 118 57-51 E	Fl(3)G 10s	12	6	White metal column, red bands 8	
<b>P3906-42</b> CN, G101, 1416-21	--- S Breakwater. Head	38 04-87 N 118 57-55 E	Fl(3)R 10s	12	6	White metal column, red bands 8	
<b>P3906-43</b> CN, G101, 1416-3	-- Nangangchi Ldg Lts 244°. Front	38 04-54 N 118 56-51 E	F W	30	8	△ on metal framework tower, red and white bands 32	
<b>P3906-431</b> CN, G101, 1416-31	--- Rear	38 04-38 N 118 56-09 E	F W	45	8	▽ on metal framework tower, red and white bands 44	
<b>P3906-44</b> CN, G101, 1415	- Diaokou. No 2	38 00-52 N 118 32-38 E	Fl W 6s	8	4	Metal framework tower	<i>fl 0-3.</i> Fishing. Shown March to November
<b>P3906-45</b> CN, G101, 1414	-- No 1	38 02-52 N 118 32-21 E	Fl R 3s	14	5	Metal framework tower	<i>fl 0-3.</i> Fishing. Shown March to November
<b>P3906-5</b> CN, G101, 1413	- Wanwangouhe Men	38 06-67 N 118 25-32 E	Fl(3)W 10s	22	9	Metal framework structure on concrete base	Fishing. Shown March to November
<b>P3906-55</b> CN, G101, 1413-7	- Lubei Wind Farm. Wind Tower. Warning. LB4	38 19-10 N 118 34-48 E	Mo(C)Y 12s	40	7	Framework tower 40	
<b>P3906-6</b> CN, G101, 1401	- Tao'erhe Pu	38 07-96 N 118 02-83 E	Fl W 4s	20	6	Wooden framework tower 10	<i>fl 0-4.</i> Fishing. Shown February to November
<b>P3906-64</b> CN, G101, 1390-69	- Binzhou Gang. Pier. N	38 18-24 N 118 07-49 E	Fl R 3s	14	8	White column, red bands 11	
<b>P3906-65</b> CN, G101, 1396	- Majiahe Kou	38 14-27 N 118 02-40 E	F W	..	3	Wooden framework tower 10	Fishing. Shown April to November
<b>P3906-655</b> CN, G101, 1394	- E Training Wall	38 13-47 N 118 06-34 E	Fl(2)G 6s				
<b>P3906-7</b> CN, G101, 1391	- Shatou Pu	38 11-20 N 117 58-01 E	Fl R 3s	20	4	Wooden framework tower 10	<i>fl 0-3.</i> Fishing. Shown March to November
<b>P3906-75</b> CN, G101, 1386	- Dakouhe Kou	38 16-03 N 117 51-24 E	Fl W 4s	19	6	Wooden framework tower 10	<i>fl 0-4.</i> Fishing
<b>BOHAI WAN. HUANGHUA GANG</b>							
<b>P3906-767</b> CN, G101, 1385-1	- Electric Drainage Outlet. No 1	38 18-39 N 117 53-02 E	Mo(C)Y 12s	6	3	Yellow three pile concrete dolphin 5	

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BOHAI WAN. HUANGHUA GANG — Electric Drainage Outlet - (contd)

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<b>P3906-768</b> CN, G101, 1385-2	-- No 2	38 18-36 N 117 53-00 E	Mo(C)Y 12s	6	3	Yellow three pile concrete dolphin 5
<b>P3906-769</b> CN, G101, 1385-3	-- No 3	38 18-35 N 117 52-95 E	Mo(C)Y 12s	6	3	Yellow three pile concrete dolphin 5
<b>P3906-77</b> CN, G101, 1378	- Outer Channel. Ldg Lts 239.5°. Front	38 19-26 N 117 52-11 E	Oc W 6s	58	15	Black ◊ white stripes <i>ec 2</i> on metal pile 58
<b>P3906-771</b> CN, G101, 1378-01	--- Rear	38 18-60 N 117 50-65 E	Oc W 6s	81	15	Black ◊ white stripes <i>ec 1</i> on metal pile 81
<b>P3906-772</b> CN, G101, 1378-04	--- Front. N	38 19-26 N 117 52-11 E	Oc W 5s	58	15	Green △ white stripes <i>ec 1</i> on metal pile 58
<b>P3906-7721</b> CN, G101, 1378-05	--- Rear. N	38 18-62 N 117 50-62 E	F W	81	15	Green △ white stripes on metal pile 81
<b>P3906-773</b> CN, G101, 1378-02	--- Front. N limit	38 19-29 N 117 52-00 E	F G	58	15	Black □ on metal pile 58
<b>P3906-7731</b> CN, G101, 1378-03	--- Rear. N limit	38 18-65 N 117 50-59 E	F G	81	15	Black □ on metal pile 81
<b>P3906-774</b> CN, G101, 1378-06	--- Front. S	38 19-26 N 117 52-20 E	Oc W 5s	58	15	Red ▽ white stripes <i>ec 1</i> on metal pile 58
<b>P3906-7741</b> CN, G101, 1378-07	--- Rear. S	38 18-57 N 117 50-67 E	F W	81	15	Red ▽ white stripes on metal pile 81
<b>P3906-775</b> CN, G101, 1378-08	--- Front. S limit	38 19-20 N 117 52-17 E	F R	58	15	Black □ on metal pile 58
<b>P3906-7751</b> CN, G101, 1378-09	--- Rear. S limit	38 18-54 N 117 50-71 E	F R	81	15	Black □ on metal pile 81
<b>P3906-78</b> CN, G101, 1381	- Inner Channel. Ldg Lts 235°. Front	38 18-99 N 117 52-39 E	Oc W 4s	33	8	Black ◊ white stripes <i>ec 1</i> on metal pile 33
<b>P3906-781</b> CN, G101, 1381-001	--- Rear	38 18-41 N 117 51-32 E	F W	53	8	Black ◊ white stripes on metal pile 53
<b>P3906-782</b> CN, G101, 1381-03	--- Front. N	38 19-05 N 117 52-43 E	Oc W 3s	33	8	Green △ on metal pile 33 <i>ec 1</i>
<b>P3906-7821</b> CN, G101, 1381-04	--- Rear. N	38 18-45 N 117 51-32 E	F W	54	8	Green △ on metal pile 54
<b>P3906-783</b> CN, G101, 1381-01	--- Front. N limit	38 19-06 N 117 52-36 E	F G	33	8	Black □ on metal pile 33
<b>P3906-7831</b> CN, G101, 1381-02	--- Rear. N limit	38 18-50 N 117 51-32 E	F G	53	8	Black □ on metal pile 53
<b>P3906-784</b> CN, G101, 1381-05	--- Front. S	38 18-96 N 117 52-42 E	Oc W 3s	33	8	Red ▽ on metal pile 33 <i>ec 1</i>
<b>P3906-7841</b> CN, G101, 1381-06	--- Rear. S	38 18-37 N 117 51-32 E	F W	54	8	Red ▽ on metal pile 54

North Pacific Ocean — Yellow Sea — Bo Hai — China

BOHAI WAN. HUANGHUA GANG — Inner Channel. Ldg Lts 235° - (contd)

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<b>P3906-785</b> CN, G101, 1381-07	--- Front. S limit	38 18-94 N 117 52-48 E	F R	33	8	Black □ on metal pile 33
<b>P3906-7851</b> CN, G101, 1381-08	--- Rear. S limit	38 18-32 N 117 51-32 E	F R	54	8	Black □ on metal pile 54
<b>P3906-8</b> CN, G101, 1378-6	- Coal Pier	38 19-39 N 117 52-91 E	FI G 3s	11	5	Green and white GRP <i>fl 0.5</i> pile
<b>P3906-81</b>	--	38 19-47 N 117 52-89 E	FI R 3s	11	8	
<b>P3906-815</b>	- Pier. Head	38 19-78 N 117 52-77 E	FI(2)G 10s	14	7	
<b>P3906-82</b> CN, G101, 1378-62	- Operating Vessel. Pier	38 19-34 N 117 53-27 E	FI W 3s	9	7	White metal pile, red bands 8
<b>P3906-83</b> CN, G101, 1378-66	- Chemical Pier. W	38 19-43 N 117 53-84 E	Iso G 4s	10	7	White GRP column, green bands 10
<b>P3906-84</b> CN, G101, 1378-64	-- E	38 19-53 N 117 53-99 E	Iso R 4s	10	7	White GRP column, red bands 10
<b>P3906-85</b> CN, G101, 1378-7	- N Breakwater. Head	38 20-69 N 117 55-18 E	Mo(C)Y 12s	..	..	Yellow beacon 18
<b>P3906-86</b> CN, G101, 1378-8	- S Breakwater. Head	38 20-43 N 117 55-42 E	Mo(C)Y 12s	..	..	Yellow beacon 18
<b>P3906-87</b> CN, G101, 1379-6	- Breakwater. No 1	38 23-18 N 117 59-71 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-871</b> CN, G101, 1379-61	-- No 2	38 22-51 N 118 00-20 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
	---	..	Racon	..	..	ALRS Vol 2 Station 82117
<b>P3906-872</b> CN, G101, 1379-62	-- No 3	38 22-86 N 117 58-76 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-873</b> CN, G101, 1379-63	-- No 4	38 22-07 N 117 59-34 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-874</b> CN, G101, 1379-64	-- No 5	38 22-44 N 117 57-58 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-875</b> CN, G101, 1379-65	-- No 6	38 21-55 N 117 58-35 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-876</b> CN, G101, 1379-66	-- No 7	38 21-83 N 117 56-44 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-877</b> CN, G101, 1379-67	-- No 8	38 20-94 N 117 57-21 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-878</b> CN, G101, 1379-68	-- No 9	38 21-22 N 117 55-31 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-879</b> CN, G101, 1379-69	-- No 10	38 20-33 N 117 56-09 E	Mo(C)Y 12s	7	5	Yellow x on yellow beacon 9
<b>P3906-895</b> CN, G101, 1380-54	- Groyne East. No 1	38 25-32 N 117 59-83 E	Mo(C)Y 15s	..	..	Yellow x on yellow buoyant beacon





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BOHAI WAN. HUANGHUA GANG — Groyne East - (contd)

				m	M	
<b>P3906-896</b> CN, G101, 1380-55	-- No 2	38 24-85 N 118 00-18 E	Mo(C)Y 15s	..	..	Yellow x on yellow buoyant beacon
<b>P3906-897</b> CN, G101, 1380-56	-- No 3	38 24-25 N 118 00-61 E	Mo(C)Y 15s	..	..	Yellow x on yellow buoyant beacon
<b>P3906-9</b> CN, G101, 1379-6	- N Breakwater	38 23-80 N 118 01-44 E	Mo(C)Y 12s	..	..	x on buoyant beacon
<b>P3906-91</b> CN, G101, 1379-29	- No 29	38 23-65 N 118 01-52 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-93</b> CN, G101, 1379-61	- S Breakwater	38 23-33 N 118 01-79 E	Mo(C)Y 12s	..	..	x on buoyant beacon
<b>P3906-941</b> CN, G101, 1379-27	- No 27	38 24-06 N 118 02-44 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-943</b> CN, G101, 1379-25	- No 25	38 24-46 N 118 03-31 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-945</b> CN, G101, 1379-23	- No 23	38 24-85 N 118 04-20 E	Fl(2)G 6s	..	..	Green Δ on green buoyant beacon
<b>P3906-947</b> CN, G101, 1379-21	- No 21	38 25-25 N 118 05-09 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-951</b> CN, G101, 1379-17	- No 17	38 26-04 N 118 06-86 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-953</b> CN, G101, 1379-15	- No 15	38 26-44 N 118 07-74 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-955</b> CN, G101, 1379-13	- No 13	38 26-83 N 118 08-62 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-957</b> CN, G101, 1379-11	- No 11	38 27-23 N 118 09-51 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-959</b> CN, G101, 1379-09	- No 9	38 27-63 N 118 10-39 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-961</b> CN, G101, 1379-05	- No 7	38 28-03 N 118 11-27 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-963</b> CN, G101, 1379-05	- No 5	38 28-42 N 118 12-15 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-965</b> CN, G101, 1379-03	- No 3	38 28-82 N 118 13-04 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-967</b> CN, G101, 1379-01	- No 1	38 29-22 N 118 13-93 E	Fl G 4s	..	..	Green Δ on green buoyant beacon
<b>P3906-97</b> CN, G101, 1380-8	- Middle Ldg Lts 239-5°. Front	38 20-80 N 117 50-55 E	F W	45	10	Black ◇ on white metal framework tower 45
<b>P3906-971</b> CN, G101, 1380-83	-- Rear	38 20-14 N 117 49-10 E	F W	67	10	Black ◇ on white metal framework tower 67
<b>P3906-972</b> CN, G101, 1380-81	- Left Ldg Lts 239-5°. Front	38 20-76 N 117 50-58 E	F R	28	10	Black ▽ on white metal framework tower 28
<b>P3906-9721</b> CN, G101, 1380-84	-- Rear	38 20-10 N 117 49-13 E	F R	49	10	Black Δ on white metal framework tower 48
<b>P3906-973</b> CN, G101, 1380-82	- Right Ldg Lts 239-5°. Front	38 20-84 N 117 50-52 E	F G	28	10	Black ▽ on white metal framework tower 28

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BOHAI WAN. HUANGHUA GANG — Right Ldg Lts 239-5° - (contd)

				m	M	
<b>P3906-9731</b> CN, G101, 1380-85	-- Rear	38 20-18 N 117 49-07 E	F G	49	10	Black Δ on white metal framework tower 48
<b>P3906-9735</b> CN, G101, 1380-75	- Iron Logistics. E	38 19-73 N 117 50-31 E	Iso R 6s	15	5	White tower, red bands 12
<b>P3906-9736</b> CN, G101, 1380-76	-- W	38 19-55 N 117 50-04 E	Iso W 4s	15	5	White tower, black bands 12
<b>P3906-974</b> CN, G101, 1380-71	- Multipurpose Pier	38 20-33 N 117 51-20 E	Iso W 2s	14	7	Black and white metal pillar 12
<b>P3906-975</b> CN, G101, 1380-7	- General Pier	38 21-06 N 117 52-28 E	Iso R 2s	15	7	White concrete column, red bands 12
<b>P3906-9761</b> CN, G101, 1380-6	- Integrated Harbour Groyne. No 1	38 24-50 N 117 57-92 E	Mo(C)Y 15s	10	7	Yellow concrete column 10
<b>P3906-9762</b> CN, G101, 1380-61	-- No 2	38 23-98 N 117 56-71 E	Mo(C)Y 15s	10	7	Yellow concrete column 10
<b>P3906-9763</b> CN, G101, 1380-62	-- No 3	38 23-47 N 117 55-50 E	Mo(C)Y 15s	10	7	Yellow concrete column 8
<b>P3906-9764</b> CN, G101, 1380-63	-- No 4	38 22-95 N 117 54-29 E	Mo(C)Y 15s	10	7	Yellow concrete column 8
<b>P3906-9765</b> CN, G101, 1380-64	-- No 5	38 22-44 N 117 53-08 E	Mo(C)Y 15s	10	7	Yellow concrete column 8
<b>P3906-9766</b> CN, G101, 1380-65	-- No 6	38 21-92 N 117 51-88 E	Mo(C)Y 15s	10	7	Yellow concrete column 8
<b>P3906-9767</b> CN, G101, 1380-66	-- No 7	38 22-34 N 117 49-84 E	Mo(G)Y 15s	10	7	Yellow concrete column 8
<b>P3906-977</b> CN, G101, 1380-688	- Ore pier. W	38 21-89 N 117 54-20 E	Iso R 4s	14	7	White column, red bands 11
<b>P3906-978</b> CN, G101, 1380-687	-- E	38 22-08 N 117 54-63 E	Fl W 3s	14	7	White column, black bands 11
<b>P3906-98</b> CN, G101, 1378-877	BOHAI WAN - Huanghua. Wind Tower Warning ---	38 33-14 N 117 57-81 E ..	Mo(C)Y 12s AIS	15 ..	7 ..	Metal pile tower 15 MMSI No 994131701
<b>P3907-38</b> CN, G101, 1376-8	- Dagang Gangqu. N Breakwater. Head ----	38 46-42 N 117 46-02 E ..	Iso G 4s Racon	31 ..	15 ..	White GRP tower, green bands 25 ALRS Vol 2 Station 82122
<b>P3907-381</b> CN, G101, 1376-9	-- S Breakwater. Head ----	38 45-45 N 117 46-02 E ..	Iso R 4s AIS	31 ..	15 ..	White GRP tower, red bands 25 MMSI No 994131418
<b>P3907-391</b> CN, G101, 1377-665	-- Taiao Pier. No 3	38 44-87 N 117 36-56 E	Iso R 4s	15	7	White column, red bands 12
<b>P3907-392</b> CN, G101, 1377-663	--- No 4	38 45-06 N 117 36-56 E	Iso W 2s	15	7	White column, yellow bands 12

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BOHAI WAN — Dagang Gangqu. Taiao Pier - (contd)

				m	M		
<b>P3907-393</b> CN, G101, 1377-664	--- No 5-6	38 45-08 N 117 36-73 E	Iso W 4s	15	7	White column, green bands 12	
<b>P3907-394</b> CN, G101, 1377-662	-- Chemical Pier. S	38 45-12 N 117 36-56 E	Iso R 4s	15	7	White column, blue bands 12	
<b>P3907-395</b> CN, G101, 1377-661	--- N	38 45-47 N 117 36-56 E	Iso W 2s	15	7	White column, black bands 12	
<b>P3907-4</b> CN, G101, 1377-31	- Dagang Building Materials Pier. E	38 45-51 N 117 36-02 E	Iso R 4s	15	4	White beacon, red bands 12	
<b>P3907-41</b> CN, G101, 1377-32	- Dagang General Berth. W	38 45-61 N 117 35-37 E	Iso W 2s	15	4	White column, black bands 12	
<b>P3907-42</b> CN, G101, 1377-35	- Dagang Operating Vessel Pier	38 45-72 N 117 35-04 E	Iso W 4s	15	4	White column, red bands 12	
<b>P3907-48</b> CN, G101, 1377	- Dagang Power Plant. No 1	38 46-37 N 117 35-47 E	F Y	..	..	Yellow x on yellow beacon	
<b>P3907-49</b> CN, G101, 1377-1	-- No 2	38 46-27 N 117 35-56 E	Mo(C)Y	..	..	Yellow x on yellow frame on concrete base	
<b>P3907-5</b> CN, G101, 1377-2	-- No 3	38 46-19 N 117 35-83 E	Mo(C)Y	..	..	Yellow x on yellow frame on concrete base	
BOHAI WAN. TIANJIN XINGANG							
<b>P3907-8</b> CN, G101, 1375-3762 2	- Dagusha. S Breakwater. No 2	38 54-03 N 117 51-83 E	Mo(C)Y 12s	13	5	Yellow pile 10	
<b>P3907-81</b> CN, G101, 1375-3761	--- No 1	38 54-41 N 117 53-90 E	Mo(C)Y 12s	13	5	Yellow pile 10	
<b>P3907-82</b> CN, G101, 1375-3751	-- N Breakwater. No 1	38 55-00 N 117 54-47 E	Mo(C)Y 15s	13	5	Yellow pile 10	
<b>P3907-83</b> CN, G101, 1375-3752	--- No 2	38 55-63 N 117 53-73 E	Mo(C)Y 15s	13	5	Yellow pile 10	
<b>P3907-832</b> CN, G101, 1375-415	- LNG Pier. E	38 55-64 N 117 52-77 E	Fl G 3s	19	5	White column, red bands 15	
	---	..	AIS	..	..	..	MMSI No 994131412
<b>P3907-833</b> CN, G101, 1375-416	-- W	38 55-79 N 117 52-22 E	Fl R 3s	19	5	White column, red bands 15	
<b>P3907-834</b> CN, G101, 1375-417	- LNG Working Vessel Pier. W	38 55-81 N 117 52-04 E	Fl W 3s	12	5	Red column 10	
<b>P3907-9</b>	- Paoni A	38 59-94 N 117 58-79 E	Mo(O)Y 12s	..	..	Yellow x on yellow beacon	
<b>P3907-91</b>	- Paoni B	38 59-52 N 118 01-74 E	Mo(O)Y 12s	..	..	Yellow x on yellow beacon	
<b>P3908</b> CN, G101, 1327	- Dagu	38 56-35 N 117 58-82 E	Fl W 10s	36	17	White round concrete tower, red and white chequered band 38	fl 1
	-- Reserve light	..	..	..	10	..	..
	---	..	Racon	..	..	..	ALRS Vol 2 Station 82130
<b>P3909-1</b> CN, G101, 1327-02	- N Breakwater. Head	38 57-48 N 117 54-10 E	Iso G 4s	21	6	White round concrete column, green bands 16	
	---	..	Racon	..	..	..	ALRS Vol 2 Station 82132

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BOHAI WAN. TIANJIN XINGANG - (contd)

				m	M		
<b>P3909-2</b> CN, G101, 1327-03	- S Breakwater. Head	38 56-97 N 117 53-42 E	Iso R 4s	21	6	White round concrete column, red bands 16	
<b>P3909-5</b> CN, G101, 1327-04	- Oil Pier. E	38 56-88 N 117 52-27 E	Iso R 4s	18	7	White GRP tower, red bands 15	
	---	..	AIS	..	..	..	MMSI No 994131404
<b>P3909-6</b> CN, G101, 1327-05	-- W	38 56-93 N 117 51-96 E	Iso G 4s	18	7	White GRP tower, green bands 15	
<b>P3909-71</b> CN, G101, 1327-06	- Ore Pier. E	38 57-08 N 117 51-02 E	Fl R 3s	16	5	Yellow round column 12	
<b>P3909-72</b> CN, G101, 1327-07	-- W	38 57-13 N 117 50-76 E	Fl G 3s	16	5	White column, blue bands 12	
<b>P3909-81</b> CN, G101, 1327-1	- HSA Pier	38 58-92 N 117 44-01 E	Fl R 3s	11	5	Round GRP tower, red and white bands 8	fl 0-3
<b>P3909-815</b> CN, G101, 1337-1	- Hangzheng. Service Pier	38 58-63 N 117 44-82 E	Iso R 4s	12	5	Round GRP pile, red and white bands 8	
<b>P3909-818</b> CN, G101, 1337-5	- Beifang Gang. Hangshihua Pier	38 58-80 N 117 44-27 E	Iso R 4s	11	7	White round GRP pillar, black bands 8	
<b>P3909-82</b> CN, G101, 1328	- Tianjingang Two-way Channel. N Side. N Limit. Lts in line 281°36'. Front	38 58-80 N 117 44-14 E	F R	22	..	Black □ on black metal framework tower 20	
<b>P3909-821</b> CN, G101, 1329	----- Rear	38 58-99 N 117 42-98 E	F R	42	..	Black □ on black metal framework tower 40	
<b>P3909-83</b> CN, G101, 1330	--- Middle. Ldg Lts 281°36'. Front	38 58-78 N 117 44-14 E	F W	25	..	Black △ on black metal framework tower 25	
<b>P3909-831</b> CN, G101, 1331	----- Rear	38 58-97 N 117 42-98 E	F W	47	..	Black △ on black metal framework tower 47	
<b>P3910</b> CN, G101, 1332	-- Centreline. Lts in line 281°36'. Front	38 58-76 N 117 44-13 E	Oc W 5s	28	..	Black ◇ on black metal framework tower 28	ec 1
<b>P3910-1</b> CN, G101, 1333	---- Rear	38 58-95 N 117 42-98 E	Iso W 4s	52	..	Black ◇ on black metal framework tower 52	
	-----	..	Racon	..	..	..	ALRS Vol 2 Station 82120
<b>P3910-2</b> CN, G101, 1334	-- S Side. Middle. Ldg Lts 281°36'. Front	38 58-74 N 117 44-13 E	F W	25	..	Black ∇ on black metal framework tower 23	
<b>P3910-21</b> CN, G101, 1335	----- Rear	38 58-93 N 117 42-97 E	F W	46	..	Black ∇ on black metal framework tower 45	
<b>P3910-3</b> CN, G101, 1336	--- S Limit. Lts in line 281°36'. Front	38 58-72 N 117 44-12 E	F R	23	..	Black □ on black metal framework tower 20	

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BOHAI WAN, TIANJIN XINGANG — Tianjingang Two-way Channel, S Side, S Limit, Lts in line 281°36' - (contd)

<b>P3910-301</b> CN, G101, 1337	----- Rear	38 58-91 N 117 42-96 E	F R	42	.. Black □ on black metal framework tower 40				
<b>P3910-4</b> CN, G101, 1338	- Tianjingang Channel, Dredged Channel, N Ldg Lts 281°36'. Front	38 58-83 N 117 44-09 E	F W	17	.. Black ○ on black metal framework tower 15				
<b>P3910-41</b> CN, G101, 1339	---- Rear	38 59-00 N 117 42-99 E	F W	37	.. Black ○ on black metal framework tower 39				
<b>P3910-42</b> CN, G101, 1340	--- S Ldg Lts 281°36'. Front	38 58-71 N 117 44-12 E	F W	18	.. Black ○ on black metal framework tower 15				
<b>P3910-421</b> CN, G101, 1341	---- Rear	38 58-89 N 117 42-97 E	F W	37	.. Black ○ on black metal framework tower 39				
<b>P3911-3</b> CN, G101, 1358-015	- International Cruise Terminal	38 58-43 N 117 49-43 E	Iso G 4s	14	7 White column, black bands 12				
<b>P3911-32</b> CN, G101, 1358-01	- G 1	38 58-47 N 117 48-66 E	VQ(3)W 5s	..	.. Black ⬠ on black beacon, yellow band				
<b>P3911-322</b> CN, G101, 1324-0045	- Resilient, N45	38 58-37 N 117 48-63 E	VQ(6)+LFI W 10s	..	.. ∇ on black beacon, yellow top				
<b>P3911-33</b> CN, G101, 1361-26	- D5	38 58-43 N 117 48-29 E	FI G 4s	..	.. Green △ on green beacon				
<b>P3911-35</b> CN, G101, 1361-03	- Shenhua Tianjin, Coal Pier	38 57-83 N 117 48-53 E	Iso Y 4s	12	5 Round GRP tower, black and yellow bands 10				
<b>P3911-38</b> CN, G101, 1375-486	- Lingang, Taizhong Berth, W Warning	38 54-95 N 117 49-08 E	Iso G 6s	30	3 Red GRP tower 28				
<b>P3911-39</b> CN, G101, 1375-487	--- E Warning	38 54-90 N 117 49-10 E	Iso R 6s	30	3 Red GRP tower 28				
<b>P3911-4</b> CN, G101, 1375-515	- Industrial Zone, Lingang Jiayue, Grain and Oil Pier, E	38 56-09 N 117 48-19 E	Iso R 4s	18	7 White pillar, red bands 15				
	-----	..	AIS	..	..				MMSI No 994131405
<b>P3911-45</b> CN, G101, 1375-516	--- Grain and Oil Pier W	38 56-24 N 117 47-62 E	Iso G 4s	18	7 White pillar, black bands 15				
<b>P3911-46</b> CN, G101, 1375-69	- Lin'gang General Berth, No 18	38 55-89 N 117 45-92 E	Iso R 4s	12	7 10				
<b>P3911-5</b> CN, G101, 1375-67	- Bomaik Wharf, N	38 56-55 N 117 46-20 E	Iso G 4s	15	4 White column, green bands 12				
<b>P3911-52</b> CN, G101, 1375-665	- Lin'gang, No 14 Berth, E	38 56-69 N 117 46-22 E	Iso R 4s	18	7 Red column, green bands 15				
	-----	..	AIS	..	..				MMSI No 994131407
<b>P3911-54</b> CN, G101, 1375-662	-- Berth No 9	38 56-94 N 117 45-36 E	FI R 3s	15	7 Red pile 12				
<b>P3911-55</b> CN, G101, 1375-64	- Chemical Pier	38 57-10 N 117 44-75 E	Iso R 4s	12	7 Red and white round GRP tower 10				

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BOHAI WAN, TIANJIN XINGANG - (contd)

<b>P3911-56</b> CN, G101, 1375-639	- Industrial Zone, General Pier	38 57-64 N 117 43-53 E	Iso G 4s	15	7 White column, green bands 12				
<b>P3911-568</b> CN, G101, 1375-543	- Tianjin Gang, Zhonghangyou, E Pier	38 57-23 N 117 46-56 E	LFI G 10s	15	5 White pile, black bands 12				
<b>P3911-569</b> CN, G101, 1375-544	--- W Pier	38 57-32 N 117 46-19 E	LFI R 10s	15	5 White pile, yellow bands 12				
<b>P3911-57</b> CN, G101, 1375-566	- Sino Chemical Pier, E	38 57-43 N 117 45-75 E	Iso R 5s	15	7 White column, red bands				MMSI No 994131406
	---	..	AIS	..	..				
<b>P3911-59</b> CN, G101, 1375-565	-- W	38 57-52 N 117 45-41 E	Iso G 5s	15	7 White column, black bands 12				
<b>P3911-591</b> CN, G101, 1375-5681	- Tianjin Gang, Oil Supply, Pier No 2, E	38 57-59 N 117 45-13 E	Iso G 2s	15	7 White pile, green bands 12				
<b>P3911-592</b> CN, G101, 1375-5682	---- W	38 57-63 N 117 44-96 E	Iso R 2s	15	7 White pile, red bands 12				
<b>P3911-6</b> CN, G101, 1361-214	- E Breakwater, Vessel Pier, S	38 58-39 N 117 47-30 E	Iso W 4s	12	7 White GRP tower, black bands 10				
<b>P3911-62</b> CN, G101, 1361-216	--- N	38 58-58 N 117 47-39 E	Iso R 4s	12	7 White GRP tower, red bands 10				
<b>P3911-63</b>	- D4	38 58-55 N 117 47-68 E	FI R 4s	..	.. Red □ on red beacon				
<b>P3911-64</b>	- North Basin, D7	38 58-82 N 117 47-69 E	FI G 4s	..	.. Green △ on green beacon				
<b>P3911-65</b>	-- D9	38 59-00 N 117 47-54 E	FI G 4s	..	.. Green △ on green beacon				
<b>P3911-66</b>	-- D11	38 59-17 N 117 47-42 E	FI G 4s	..	.. Green △ on green beacon				
<b>P3911-7</b> CN, G101, 1361-218	-- Container Pier, Stage No 3	38 59-28 N 117 47-45 E	Iso G 4s	12	7 Black and white round GRP tower 10				
<b>P3911-72</b>	-- D13	39 00-46 N 117 46-92 E	VQ(6)+LFI W 10s	..	.. ∇ on black beacon, yellow top				
<b>P3911-73</b>	-- D10	39 00-61 N 117 46-53 E	FI R 4s	..	.. Red □ on red beacon				
<b>P3911-74</b>	-- D15	39 00-65 N 117 46-73 E	FI G 4s	..	.. Green △ on green beacon				
<b>P3911-75</b>	-- D16	39 00-97 N 117 46-43 E	FI R 4s	..	.. Red □ on red beacon				
<b>P3911-76</b>	-- D17	39 01-00 N 117 46-62 E	FI G 4s	..	.. Green △ on green beacon				
<b>P3911-8</b> CN, G101, 1355	-- Circum Ro-Ro Pier, Head	39 01-23 N 117 46-15 E	Iso R 4s	12	7 Red and white GRP column				
<b>P3911-82</b>	-- D19	39 01-37 N 117 46-52 E	FI G 4s	..	.. Green △ on green beacon				
<b>P3911-83</b>	-- D21	39 01-90 N 117 46-37 E	FI G 4s	..	.. Green △ on green beacon				
<b>P3911-84</b> CN, G101, 1361-713	-- General Pier	39 02-78 N 117 46-45 E	Iso G 4s	13	7 White GRP tower, black bands 12				

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BOHAI WAN, TIANJIN XINGANG — North Basin - (contd)

				m	M		
<b>P3911-85</b> CN, G101, 1361-72	-- No D24	39 02-85 N 117 45-67 E	VQ(3)W 5s	..	..	⊕ on black buoyant beacon, yellow band	
<b>P3911-9</b> CN, G101, 1342-661 - 1342-678	- Zhongyang Dadao. Yongdingxinhe Bridge. Opening. No 7, No 8 ---- No 5, No 6  ---- No 3, No 4 ---- No 11, No 12, No 15, No 16 ---- No 1, No 2, No 9, No 10, No 13, No 14, No 17, No 18	39 05-42 N 117 43-48 E	Q G	..	2	Green △	Starboard side of navigable span
			F G	..	2	∧ ∨ on white square board	Centre mark of two-way navigable span
			Q R	..	2	Red □	Port side of navigable span
			FR	..	2	Red × on yellow □	Navigation under this span is prohibited
			Q Y	..	2	Yellow pillar, red band 6	Marks bridge piers
<b>P3912</b> CN, G101, 1365	- Lock. Ldg Lts 294°22'. Front	38 59-77 N 117 42-05 E	Iso W 2s	30	3	Black ◇ on framework structure 27	
<b>P3912-1</b> CN, G101, 1366	--- Rear	38 59-88 N 117 41-74 E	Iso W 4s	40	3	Black ◇ on framework structure 37	
<b>P3912-11</b> CN, G101, 1366-1	-- Lts in line 294°22'. Front. S Limit	38 59-47 N 117 42-83 E	F R	17	..	Black □ on metal framework 15	
<b>P3912-12</b> CN, G101, 1366-11	--- Rear. S Limit	38 59-52 N 117 42-67 E	F R	22	..	Black □ on metal framework 20	
<b>P3912-13</b> CN, G101, 1366-12	--- Front. N Limit	38 59-50 N 117 42-85 E	F G	17	..	Black ∇ on metal framework 14	
<b>P3912-14</b> CN, G101, 1366-13	--- Rear. N Limit	38 59-55 N 117 42-70 E	F G	22	..	Black ∇ on metal framework 19	
<b>P3912-15</b> CN, G101, 1366-14	--- Front. N Outer Limit	38 59-51 N 117 42-86 E	F W	19	..	Black △ on metal framework 16	
<b>P3912-16</b> CN, G101, 1366-15	--- Rear. N Outer Limit	38 59-57 N 117 42-70 E	F W	23	..	Black △ on metal framework 20	
<b>P3912-17</b> CN, G101, 1366-05	-- Depths Signal Station Warning	38 59-47 N 117 42-83 E	F R	17	3	Yellow round column 2	
<b>P3912-18</b> CN, G101, 1366-16	- Haihe Bridge. Opening. No 1	38 59-54 N 117 42-68 E	Fl R 4s				
<b>P3912-182</b> CN, G101, 1366-162	--- No 2	38 59-55 N 117 42-64 E	Fl R 4s				
<b>P3912-184</b> CN, G101, 1366-164	--- No 3	38 59-54 N 117 42-68 E	F G				
<b>P3912-186</b> CN, G101, 1366-166	--- No 4	38 59-55 N 117 42-64 E	F G				
<b>P3912-188</b> CN, G101, 1366-168	--- No 5	38 59-55 N 117 42-68 E	Fl G 4s				
<b>P3912-19</b> CN, G101, 1366-17	--- No 6	38 59-56 N 117 42-65 E	Fl G 4s				
	BOHAI WAN						
<b>P3931-05</b> CN, G101, 1322-65	- Nanbao Cultural Island. Embarking Point. 1- 1	39 01-87 N 118 13-47 E	Iso G 4s	11	6	White round GRP pillar, green bands 6	
<b>P3931-06</b> CN, G101, 1322-66	--- 1- 2	39 00-72 N 118 12-00 E	Iso R 4s	11	6	White round GRP pillar, red bands 6	
<b>P3931-065</b>	- Caofeidian Gangqu. Nanpu. 1- 5	38 59-03 N 118 15-44 E	Mo(U)W	6	5	Platform	

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BOHAI WAN - (contd)

				m	M		
<b>P3931-07</b> CN, G101, 1322-67	- Nanbao Cultural Island. Embarking Point. 1- 3	38 59-07 N 118 16-17 E	Mo(C)Y 12s	8	6	White GRP tower, red bands 6	ALRS Vol 2 Station 82145
	----		Racon	..	..	..	
	BOHAI WAN, CAOFEIDIAN GANGQU						
<b>P3931-072</b>	- Nanpu. 1- 13	38 59-47 N 118 17-35 E	Mo(U)W	6	5	Platform	
<b>P3931-073</b> CN, G101, 1323-083	- Ergangchi Lianxiang Matou. S	38 59-75 N 118 24-20 E	Iso G 4s	14	7	White column, black bands 12	
<b>P3931-074</b> CN, G101, 1323-084	-- Matou. N	39 00-03 N 118 24-20 E	Iso W 4s	14	7	White column, red bands 12	
<b>P3931-0743</b> CN, G101, 1323-072	- Ergangchi. General Pier. N	39 00-46 N 118 25-04 E	Oc R 5s	13	5	Yellow post, black bands 12	ec 2
<b>P3931-0744</b> CN, G101, 1323-071	--- Middle	39 00-30 N 118 25-04 E	Iso W 6s	4	3	Red and white metal post 2	
<b>P3931-0745</b> CN, G101, 1323-07	--- S	38 59-98 N 118 25-04 E	Iso G 4s	13	5	White column, green bands 12	
<b>P3931-075</b> CN, G101, 1322-81	- Caofeidian. General Bulk Cargo Berth. S	38 59-51 N 118 27-29 E	Iso R 4s	14	7	White column, red bands 12	
<b>P3931-076</b> CN, G101, 1322-811	--- N	39 00-20 N 118 27-30 E	Iso W 4s	14	7	White column, black bands 12	
<b>P3931-08</b> CN, G101, 1322-83	-- Multipurpose Berth	38 59-63 N 118 28-13 E	Iso R 4s	11	7	White GRP tower, red bands 8	
<b>P3931-085</b> CN, G101, 1322-8105 N	-- Gangqu Coal Stage 2 Pier.	38 58-72 N 118 27-30 E	Iso W 5s	15	7	Red column 12	
<b>P3931-09</b> CN, G101, 1322-84	-- General Pier. S	38 58-35 N 118 28-13 E	Iso G 4s	11	7	White GRP tower, black bands 8	
<b>P3931-091</b> CN, G101, 1323-003	-- Shougang. End Product Wharf	38 58-28 N 118 28-13 E	Iso R 4s	14	7	White round GRP pillar, red bands 12	
<b>P3931-092</b> CN, G101, 1322-75	-- Coal Pier. N	38 57-96 N 118 27-25 E	Iso G 4s	14	7	White round GRP pillar, black bands 12	
<b>P3931-094</b> CN, G101, 1322-76	--- S	38 57-14 N 118 27-25 E	Iso W 4s	14	7	White GRP pillar 12	
<b>P3931-095</b> CN, G101, 1323-082	- Ergangchi Breakwater. W	38 57-70 N 118 24-44 E	Iso W 6s	18	10	White column, red bands 15	
<b>P3931-096</b> CN, G101, 1323-081	-- E	38 57-60 N 118 24-81 E	Iso W 6s	18	10	White column, green bands 15	
<b>P3931-1</b> CN, G101, 1323-004	- Caofeidian. Yigangchi. W Breakwater. Head	38 56-10 N 118 27-94 E	Iso R 4s	15	7	Red round GRP tower 12	
<b>P3931-12</b> CN, G101, 1323-008	---- Warning	38 56-56 N 118 27-30 E	Fl W 5s	10	7	Yellow round GRP tower 7	
<b>P3931-14</b> CN, G101, 1322-763	-- Coal Pier. Head	38 56-66 N 118 27-89 E	Q R	14	7	White column, red bands 12	

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BOHAI WAN. CAOFEIDIAN GANGQU — Caofeidian - (contd)				m	M	
<b>P3931-2</b> CN, G101, 1323-002	-- Yigangchi. E Breakwater. Head	38 55-90 N 118 28-26 E	Iso G 4s	15	7	Green round GRP tower 12
<b>P3931-22</b> CN, G101, 1323-006	--- Warning	38 55-79 N 118 28-70 E	Fl W 3s	10	7	Yellow round GRP tower 7
<b>P3931-26</b> CN, G101, 1322-80	-- Breakwater. Head	38 56-05 N 118 28-74 E	Iso G 4s	12	7	White round GRP pillar, green bands 10
<b>P3931-3</b> CN, G101, 1322-79	-- Service Boat. Pier	38 56-10 N 118 28-84 E	LFl R 6s	10	7	White round GRP pillar 8
<b>P3931-32</b> CN, G101, 1322-78	-- Bulk and general Berth	38 56-21 N 118 28-88 E	LFl R 6s	12	7	White round GRP pillar, red bands 10
<b>P3932</b> CN, G101, 1323	--	38 55-12 N 118 30-42 E	Fl W 15s	21	14	□ on black metal framework structure 23
	--	..	Racon	..	..	ALRS Vol 2 Station 82150
<b>P3932-1</b> CN, G101, 1323-03	-- Crude Oil Pier. W	38 54-92 N 118 31-31 E	Iso R 4s	25	7	Red GRP tower, green bands 18
	----	..	AIS	..	..	MMSI No 994131401
<b>P3932-12</b> CN, G101, 1323-04	--- E	38 54-99 N 118 31-65 E	Iso G 4s	25	7	White GRP tower, blue bands 18
<b>P3932-13</b> CN, G101, 1323-0453	- Caofeidian Gangqu. LNG. Operating Vessel. Pier	38 55-77 N 118 31-88 E	Oc W 3s	12	7	Red pile 10
<b>P3932-14</b> CN, G101, 1323-0454	--- Torch Platform. Pier	38 55-82 N 118 32-01 E	Oc R 3s	17	7	Yellow pile 10
<b>P3932-15</b> CN, G101, 1323-0451	--- E Pier	38 55-21 N 118 33-04 E	Iso G 3s	22	7	White pile, black bands 15
<b>P3932-16</b> CN, G101, 1323-0452	--- W Pier	38 55-13 N 118 32-78 E	Iso R 3s	22	7	Red pile, black bands 15
<b>P3932-18</b> CN, G101, 1323-009	- Caofeidian. Ore Pier. Stage 3. E	38 54-87 N 118 30-90 E	Fl G 3s	17	7	White round column 10
<b>P3932-2</b> CN, G101, 1323-01	--- E	38 54-87 N 118 30-35 E	Fl Y 3s	16	7	Yellow GRP column, black bands 10
<b>P3932-3</b> CN, G101, 1323-02	--- W	38 54-87 N 118 29-83 E	Iso W 4s	18	7	White GRP column, green bands 10
<b>P3932-35</b> CN, G101, 1323-025	--- Stage No 2. W	38 55-02 N 118 29-29 E	Iso R 4s	16	7	White round pillar, red bands 10
<b>P3932-361</b> CN, G101, 1322-748	- Huadian. Heavy Industry Pier. W	39 04-90 N 118 29-80 E	Iso W 4s	15	8	White column, red bands 12
<b>P3932-362</b> CN, G101, 1322-7481	--- E	39 04-77 N 118 29-96 E	Iso G 4s	15	8	White column, green bands 12
<b>P3932-363</b> CN, G101, 1322-7474	- Wenfeng. Pier. S	39 05-75 N 118 29-90 E	Iso R 4s	15	12	White column, red bands 5
<b>P3932-364</b> CN, G101, 1322-7473	-- 50kt Pier. S	39 05-80 N 118 29-90 E	Iso W 4s	5	3	White metal post 2
<b>P3932-365</b> CN, G101, 1322-7472	--- N	39 06-10 N 118 30-10 E	Iso W 4s	5	3	White metal post 2

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BOHAI WAN. CAOFEIDIAN GANGQU — Wenfeng - (contd)				m	M	
<b>P3932-366</b> CN, G101, 1322-7471	-- Pier. N	39 06-16 N 118 30-15 E	Iso G 4s	15	12	White column, green bands 5
<b>P3932-381</b> CN, G101, 1322-6	- Nanbao Structural Island. Embarking Point. No 4. W	39 00-71 N 118 44-85 E	Iso R 6s	9	5	White GRP tower, red bands 6
<b>P3932-382</b> CN, G101, 1322-61	---- E	39 00-78 N 118 44-94 E	Iso G 6s	9	5	White GRP tower, green bands 6
<b>P3932-4</b> CN, G101, 1310-69	JINGTANG GANG - Liquefied Pier. N Breakwater. Head	39 12-02 N 119 00-13 E	Fl R 2s	7	3	Red round metal tower 5
<b>P3932-45</b> CN, G101, 1310-69	-- S Breakwater. Head	39 11-92 N 119 00-25 E	Fl W 2s	9	3	Black and white GRP tower 7
<b>P3932-5</b>	- Zhongcha Wharf. NW	39 11-87 N 119 00-27 E	FR			
<b>P3932-55</b>	-- SE	39 11-78 N 119 00-39 E	FR			
<b>P3933</b> CN, G101, 1310-68	- W Breakwater. Head	39 11-58 N 119 00-79 E	Fl W 3s	8	7	Red metal pipe 4
<b>P3933-01</b>	--- S	39 11-36 N 119 01-07 E	Fl(2)W 6s	11	3	Red and white metal column 7
<b>P3933-02</b> CN, G101, 1310-653	--- No 1	39 10-66 N 119 01-90 E	Fl Y 4s	12	3	Red and white metal column 9
	----	..	Racon	..	..	ALRS Vol 2 Station 82153
<b>P3933-03</b> CN, G101, 1310-654	--- No 2	39 10-89 N 119 01-61 E	Fl W 3s	10	7	Red metal column 7
<b>P3933-04</b> CN, G101, 1310-655	--- No 3	39 10-66 N 119 00-47 E	Fl W 2s	9	3	Black and white metal column 7
<b>P3933-05</b> CN, G101, 1310-656	--- No 4	39 10-39 N 118 59-50 E	Fl R*2s	10	3	Red and white metal column 7
<b>P3933-06</b> CN, G101, 1314-55	- Xindaihe Gang. E Breakwater. Gap	39 10-57 N 118 58-99 E	Fl G 2s	10	3	Green and white column 7
<b>P3933-062</b> CN, G101, 1314-58	-- W Breakwater. Gap	39 10-59 N 118 58-90 E	Fl R 2s	10	3	Red and white column 7
<b>P3933-064</b> CN, G101, 1314-51	-- Gangchi	39 10-65 N 118 58-91 E	Fl W 5s	10	3	Black and white metal column 7
<b>P3933-09</b> CN, G101, 1311-1	- P- 1	39 10-40 N 119 02-17 E	Mo(C)Y 12s	..	..	Yellow x on yellow resilient beacon
<b>P3933-092</b> CN, G101, 1311-2	- P- 2	39 10-63 N 119 02-67 E	Mo(C)Y 12s	..	..	Yellow x on yellow resilient beacon
<b>P3933-2</b> CN, G101, 1310-64	- E Breakwater. No 3. Head	39 11-53 N 119 01-80 E	Fl W 3s	8	7	Green metal column 4
<b>P3933-21</b> CN, G101, 1310-652	-- Head. No 2	39 11-18 N 119 01-92 E	Fl W 3s	10	7	Green metal column 7
<b>P3933-22</b> CN, G101, 1310-65	--- No 1	39 10-92 N 119 02-25 E	Fl Y 4s	12	3	Green and white metal column 9

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JINGTANG GANG - (contd)				m	M		
<b>P3933-3</b> CN, G101, 1310-628	- Dongdi. Breakwater. No 6	39 14-06 N 119 05-77 E	Iso W 4s	12	3	Red and white GRP Tower 7	
<b>P3933-35</b> CN, G101, 1310-629	- - - No 5	39 12-97 N 119 03-73 E	Fl W 3s	12	3	Red and white GRP Tower 7	
<b>P3933-36</b> CN, G101, 1310-621	- Shougang Pier. W End	39 14-32 N 119 04-53 E	Fl R 3s	9	7	White GRP tower, red bands 7	
<b>P3933-365</b> CN, G101, 1310-6215	- Shougang Pier M	39 14-55 N 119 04-96 E	Fl W 2s	7	3	White metal pile, red bands 5	
<b>P3933-37</b> CN, G101, 1310-622	- Shougang Pier. E End	39 14-66 N 119 05-16 E	Fl W 4s	9	7	White GRP tower, black bands 7	
<b>P3933-4</b> CN, G101, 1310-63	- Dongdi. Breakwater. No 4	39 11-88 N 119 01-70 E	Fl W 3s	10	7	Black and white GRP tower 7	
<b>P3933-41</b> CN, G101, 1312-26	- Berth No 40	39 13-08 N 119 02-24 E	Fl W 4s	9	7	White GRP tower, red bands 7	
<b>P3933-42</b> CN, G101, 1312-25	- Berth No 37	39 12-81 N 119 01-74 E	Iso R 4s	7	7	Red GRP tower 5	
<b>P3933-43</b> CN, G101, 1312-24	- Berth No 36	39 12-59 N 119 01-33 E	Fl W 4s	9	7	White GRP tower, red bands 7	
<b>P3933-45</b> CN, G101, 1310-84	- Berth. Breakwater. Head. No 34	39 12-41 N 119 01-13 E	Fl W 2s	7	3	Red metal column 5	<i>fl 0-5</i>
<b>P3933-5</b> CN, G101, 1310-85	- Sigang Chi. Breakwater. Head	39 12-07 N 119 00-82 E	Fl R 2s	12	3	Red and white GRP tower 9	
<b>P3933-8</b> CN, G101, 1310-86	- No 31 Berth. End	39 12-16 N 119 00-66 E	Fl G 4s	8	..	Green and white metal tower 6	
<b>P3933-92</b> CN, G101, 1312-5	- No 30 Berth. End	39 12-29 N 119 00-43 E	Fl G 2s	14	4	Grey metal column 10	<i>fl 0-5</i>
<b>P3933-93</b> CN, G101, 1313	- No 8 Berth. End	39 12-45 N 119 00-23 E	Fl W 3s	14	4	White metal pole 10	<i>fl 1</i>
<b>P3933-94</b> CN, G101, 1313-05	- Alkali Pier. Breakwater. Head	39 12-51 N 119 00-12 E	Fl R 2s	10	3	Red metal pipe 7	<i>fl 0-5</i>
<b>P3934</b> CN, G101, 1310-1	-	39 12-78 N 119 00-80 E	Fl(2)W 10s	41	18	White round concrete tower, red bands 35	<i>fl 1, ec 0-5, fl 1, ec 7-5</i>
<b>P3934-3</b> CN, G101, 1313-21	- Basin No 3. Berth No 18. Corner	39 12-57 N 118 59-67 E	Fl W 2s	13	3	White GRP tower, green bands 9	
<b>P3934-33</b> CN, G101, 1310-695	- - No 27	39 12-22 N 118 59-87 E	Fl W 2s	9	7	White GRP tower 7	
<b>P3934-34</b> CN, G101, 1310-694	- - No 26	39 12-09 N 118 59-43 E	Fl R 2s	9	7	White metal pile, red bands 7	
<b>P3934-35</b> CN, G101, 1313-23	- - Berth No 22	39 12-36 N 118 58-93 E	Fl G 2s	9	3	White GRP column, green bands 7	
<b>P3934-36</b> CN, G101, 1313-24	- - Sangangchi Berth	39 12-32 N 118 58-79 E	Fl R 3s	9	7	Red and white GRP column 7	

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JINGTANG GANG - (contd)				m	M		
<b>P3934-5</b> CN, G101, 1313-2	- No 15 Berth. End	39 12-74 N 118 59-68 E	Fl R 2s	14	3	Red metal pole 10	<i>fl 0-5</i>
<b>P3934-6</b> CN, G101, 1314	- Entrance Channel. Centreline Ldg Lts 315°. Front	39 12-85 N 118 59-45 E	F W	40	12	Black ◊ red stripes, on red and white metal framework tower 36	
			4 F Y				
<b>P3934-61</b> CN, G101, 1314-1	- - - Rear. 1-08M from front	39 13-62 N 118 58-47 E	F W	64	12	Black ◊ red stripes, on red and white metal framework tower 59	
			5 F Y				
<b>P3934-62</b> CN, G101, 1314-2	- - E Outer Limit Lts in line 315°. Front	39 12-92 N 118 59-50 E	F W	35	12	△ on white metal framework tower 31	
			4 F Y				
<b>P3934-63</b> CN, G101, 1314-3	- - - Rear. 1-02M from front	39 13-65 N 118 58-57 E	F W	58	12	△ on white metal framework tower 53	
			5 F Y				
<b>P3934-635</b> CN, G101, 1313-26	- - E Inner Lts in line 315°. Front	39 12-90 N 118 59-46 E	Fl W 2s	32	12	Black ◊, red stripe on white metal framework tower 29	
			4 F W	..	7		
<b>P3934-6351</b> CN, G101, 1313-27	- - - Rear. 0-62M from front	39 13-34 N 118 58-90 E	Fl W 2s	50	12	Black ◊, red stripe on white metal framework tower 47	
			5 F W	..	7		
<b>P3934-636</b> CN, G101, 1313-28	- - W Inner Lts in line 315°. Front	39 12-84 N 118 59-40 E	Fl W 2s	32	12	Black ◊, red stripe on white metal framework tower 29	
			4 F W	..	7		
<b>P3934-6361</b> CN, G101, 1313-29	- - - Rear. 0-62M from front	39 13-29 N 118 58-84 E	Fl W 2s	50	12	Black ◊, red stripe on white metal framework tower 47	
			5 F W	..	7		
<b>P3934-64</b> CN, G101, 1314-4	- - W Outer Limit Lts in line 315°. Front	39 12-82 N 118 59-36 E	F W	35	12	▽ on white metal framework tower 31	
			4 F Y				
<b>P3934-65</b> CN, G101, 1314-5	- - - Rear. 0-89M from front	39 13-45 N 118 58-56 E	F W	58	12	▽ on white metal framework tower 53	
			5 F Y				
<b>P3935</b> CN, G101, 1310	Luanhe Kou Qiantan Jianshaqiu	39 24-10 N 119 16-71 E	Fl W 6s	14	7	..	<i>fl 0-5. Fishing (occas)</i>
<b>P3935-8</b> CN, G101, 1309	Yanghe Kou	39 46-95 N 119 24-90 E	Fl W 3s	11	5	Black ◊ on framework tower, concrete base	<i>fl 0-4 Fishing (occas)</i>
<b>P3935-9</b> CN, G101, 1308-1	Xianluo Dao	39 47-15 N 119 26-13 E	Fl(2)W 5s	30	..	Black ◊ on black beacon, red band	
<b>P3936</b> CN, G101, 1308	Jinshan Zui	39 48-66 N 119 31-61 E	Fl(2)W 6s	52	8	White metal framework structure 28	<i>fl 1, ec 1, fl 1, ec 3</i>
			Racon	..	..	..	ALRS Vol 2 Station 82155

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QINHUANGDAO GANG

				m	M	
<b>P3937</b> CN, G101, 1285	- Nanshan Tou. Main light	39 54-66 N 119 37-01 E	Fl W 15s	60	20	White round concrete tower 49
	--- Reserve light	..	..	..	10	
<b>P3937-2</b> CN, G101, 1284-1	- Tourist Pier. Head	39 54-68 N 119 37-28 E	Iso W 2s	15	7	White concrete tower 12
<b>P3937-33</b> CN, G101, 1271-64	- Shiwandunji Hangdao. No 413	39 51-74 N 119 42-57 E	Fl R 4s	..	..	Red □ on red buoyant beacon
<b>P3937-34</b> CN, G101, 1271-65	-- No 414	39 51-82 N 119 42-76 E	Fl G 4s	..	..	Green △ on green buoyant beacon
<b>P3937-37</b> CN, G101, 1271-68	-- No 417	39 53-47 N 119 41-27 E	Fl R 4s	..	..	Red □ on red buoyant beacon
<b>P3937-38</b> CN, G101, 1271-69	-- No 418	39 53-55 N 119 41-45 E	Fl G 4s	..	..	Green △ on green buoyant beacon
<b>P3937-4</b> CN, G101, 1279	- Main Fairway. Centreline Ldg Lts 340°. Front	39 55-00 N 119 37-27 E	F W	31	6	V shaped topmark on white concrete structure 30
<b>P3937-41</b> CN, G101, 1280	--- Rear. 1.15M from front	39 56-10 N 119 36-75 E	Iso W 4s	48	6	V shaped topmark on white concrete structure 47
<b>P3937-411</b> CN, G101, 1283	-- W Limit Lts in line 340°. Front	39 54-97 N 119 37-23 E	F W	31	6	△ on white metal framework tower 28
<b>P3937-412</b> CN, G101, 1284	--- Rear. 1.21M from front	39 56-09 N 119 36-71 E	F W	42	6	△ on white metal framework tower 40
<b>P3937-413</b> CN, G101, 1281	-- E Limit Lts in line 340°. Front	39 55-03 N 119 37-30 E	F W	31	6	▽ on white metal framework tower 28
<b>P3937-414</b> CN, G101, 1282	--- Rear. 1.16M from front	39 56-11 N 119 36-79 E	F W	42	6	▽ on white metal framework tower 40
<b>P3937-45</b> CN, G101, 1263-23	- W Breakwater. Head	39 55-07 N 119 37-61 E	Iso R 2s	15	7	White metal tower 13
	---	..	Racon	..	..	..
<b>P3937-5</b> CN, G101, 1263-24	- Xinkaihe Kou. Outer Channel. Ldg Lts 313°38'. Front	39 55-28 N 119 37-56 E	Fl W 2s	20	3	◇ on white metal framework tower 18
<b>P3937-51</b> CN, G101, 1263-25	---- Rear. 400m from front	39 55-44 N 119 37-35 E	Fl W 2s	32	3	◇ on white metal framework tower 29
<b>P3937-6</b> CN, G101, 1278	- Main Fairway. Centreline Ldg Lts 340°. Front. Subsidiary. Zhong Xin Biao	39 53-67 N 119 37-88 E	Iso W 2s	16	6	Concrete tower 15
	-----	..	Racon	..	..	..
<b>P3938</b> CN, G101, 1286	- West Fairway. No 201	39 52-63 N 119 37-96 E	Fl R 4s	..	..	□ on red buoyant beacon
<b>P3938-2</b> CN, G101, 1288-15	-- No 203	39 53-27 N 119 36-96 E	Fl R 4s	..	..	□ on red buoyant beacon
<b>P3938-3</b> CN, G101, 1288-1	-- No 202	39 52-76 N 119 38-09 E	Fl G 4s	..	..	△ on green buoyant beacon
<b>P3938-4</b> CN, G101, 1288-3	-- No 204	39 53-40 N 119 37-09 E	Fl G 4s	..	..	△ on green buoyant beacon
<b>P3938-5</b> CN, G101, 1288-4	-- No 205	39 53-92 N 119 35-96 E	Fl R 4s	..	..	□ on red buoyant beacon

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QINHUANGDAO GANG — West Fairway - (contd)

				m	M	
<b>P3938-6</b> CN, G101, 1288-5	-- No 206	39 54-04 N 119 36-09 E	Fl G 4s	..	..	△ on green buoyant beacon
<b>P3941-12</b> CN, G101, 1305	-- W Limit Lts in line 310°. Front	39 54-71 N 119 34-77 E	F W	30	6	▽ on white metal framework tower 30
<b>P3941-13</b> CN, G101, 1307	--- Rear. 870m from front	39 55-01 N 119 34-30 E	F W	45	6	▽ on white metal framework tower 44
<b>P3941-14</b> CN, G101, 1299	-- Centreline Ldg Lts 310°. Front	39 54-74 N 119 34-83 E	F W	34	6	Red and white concrete tower 31
<b>P3941-15</b> CN, G101, 1300	--- Rear. 0.55M from front	39 55-09 N 119 34-28 E	F W	50	6	Red and white concrete tower 46
<b>P3941-151</b> CN, G101, 1302	--- Front Auxiliary	39 54-42 N 119 35-33 E	F W	30	6	White concrete tower, red bands 31
<b>P3941-16</b> CN, G101, 1301	-- E Limit Lts in line 310°. Front	39 54-79 N 119 34-86 E	F W	30	6	△ on white metal framework tower 30
<b>P3941-17</b> CN, G101, 1303	--- Rear. 0.58M from front	39 55-16 N 119 34-28 E	F W	45	6	△ on white metal framework tower 44
<b>P3941-6</b> CN, G101, 1297-101	- Berth No 25. S Breakwater	39 53-99 N 119 34-95 E	Iso W 2s	14	7	Red & white GRP tower 10
<b>P3941-65</b> CN, G101, 1297-4	- PE Base. Breakwater. S Head	39 54-22 N 119 33-93 E	Iso W 2s	14	7	White metal tower 11
<b>P3941-66</b> CN, G101, 1297-42	--- N Head	39 54-26 N 119 33-95 E	Fl R 2s	11	7	White metal tower 7
<b>P3941-7</b> CN, G101, 1297-5	- W Channel. Wuyi Pier	39 54-25 N 119 34-48 E	Fl W 3s	9	3	Red metal framework fl 1 tower 6
<b>P3942</b> CN, G101, 1297-1	-- Breakwater. E Head	39 54-02 N 119 35-79 E	Fl R 2s	12	3	Red and white GRP pile 10
<b>P3942-1</b> CN, G101, 1297-11	--- W Head	39 53-93 N 119 34-44 E	Fl W 4s	12	3	Green and white GRP pile 9
<b>P3943</b> CN, G101, 1292	- Old Channel. Ldg Lts 352°32'. Front	39 54-46 N 119 36-13 E	F W	22	3	White ◇ on white metal framework tower 21
<b>P3943-1</b> CN, G101, 1293	--- Rear. 0.57M from front	39 55-03 N 119 36-03 E	F W	36	6	White ◇ on white metal framework tower 35
<b>P3943-11</b> CN, G101, 1296	-- W Limit Lts in line 352°32'. Front	39 54-45 N 119 36-10 E	F W	20	6	△ on white metal framework tower 18
<b>P3943-12</b> CN, G101, 1297	--- Rear. 0.58M from front	39 55-03 N 119 36-00 E	F W	32	6	△ on white metal framework tower 30
<b>P3943-13</b> CN, G101, 1294	-- E Limit Lts in line 352°32'. Front	39 54-47 N 119 36-16 E	F W	20	6	▽ on white metal framework tower 18
<b>P3943-14</b> CN, G101, 1295	--- Rear. 0.58M from front	39 55-04 N 119 36-07 E	F W	32	6	▽ on white metal framework tower 30

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QINHUANGDAO GANG - (contd)				m	M		
<b>P3943-8</b> CN, G101, 1289	- W Channel. S Breakwater. Head (Large Pier)	39 54-23 N 119 36-34 E	Oc W 2s	17	3	Green and white GRP pile 11	
<b>P3943-85</b> CN, G101, 1291-1	-- Service Boat Pier. Head	39 54-38 N 119 36-23 E	Fl R 2s	10	3	White metal framework tower 8	fl 0-5
<b>P3943-9</b> CN, G101, 1290	-- Pier. Head (Small Pier)	39 54-42 N 119 36-39 E	F G	20	3	Square concrete post 17	
<b>P3944-5</b> CN, G101, 1291	--	39 54-45 N 119 36-60 E	Fl R 3s	3	1	..	fl 0-5. Tide gauge
<b>P3945</b> CN, G101, 1298	-- Pier A. SW Corner	39 54-29 N 119 35-75 E	F G	12	3	White concrete tower 12	
<b>P3948</b> CN, G101, 1272	- East Fairway. Ldg Lts 010°53'. Common front	39 56-12 N 119 39-39 E	F W	33	12	White concrete tower, red bands 29	Rear P3948-1
	-- Shiwandunji Hangdao Ldg Lts 330°. Common front	..	F W	..	..	..	Rear P3948-15
	--	..	Ramark	..	..	..	ALRS Vol 2 Station 82165
<b>P3948-1</b> CN, G101, 1273	-- Centreline Ldg Lts 010°53'. Rear. 0-63M from front	39 56-79 N 119 39-54 E	Oc W 5s	44	6	White concrete tower, red bands 45	ec 2. Common front P3948
<b>P3948-101</b> CN, G101, 1276	-- W Limit Lts in line 010°53'. Front	39 56-16 N 119 39-36 E	F W	32	6	Black ▽, white stripes, on white metal pillar 29	
<b>P3948-102</b> CN, G101, 1277	--- Rear. 0-63M from front	39 56-79 N 119 39-51 E	F W	37	6	▽ on white metal framework tower 35	
<b>P3948-103</b> CN, G101, 1274	-- E Limit Lts in line 010°53'. Common front	39 56-16 N 119 39-44 E	F W	33	12	Black △, red stripes, on white metal pillar 29	Rear P3948-104
	-- Shiwandunji Hangdao. E Limit Lts in line 330°. Common front	..	F W	..	..	..	Rear P3948-107
<b>P3948-104</b> CN, G101, 1275	-- E Limit Lts in line 010°53'. Rear. 0-61M from front	39 56-76 N 119 39-59 E	F W	37	6	△ on white metal framework tower 35	Common Front P3948-103
<b>P3948-105</b> CN, G101, 1271-1	- Shiwandunji Hangdao. W Limit Lts in line 330°. Front	39 56-14 N 119 39-30 E	F W	33	12	Red and white ▽ on white metal structure	
<b>P3948-106</b> CN, G101, 1271-2	--- Rear. 0-9M from front	39 56-90 N 119 38-70 E	F W	54	12	Red and white ▽ on white metal structure	
<b>P3948-107</b> CN, G101, 1273-3	-- E Limit Lts in line 330°. Rear. 0-85M from front	39 56-90 N 119 38-90 E	F W	54	12	Red and white ▽ on white metal structure	Common front P3948-103
<b>P3948-11</b> CN, G101, 1273-1	-- Ldg Lts 330°. Middle. 930m from front	39 56-56 N 119 39-06 E	LFl W 6s	43	12	White ◇, red stripes, on white metal structure	fl 2. Common front P3948
<b>P3948-15</b> CN, G101, 1273-2	--- Rear. 1-08M from front	39 57-05 N 119 38-68 E	F W	59	12	White concrete tower, red bands	Common front P3948
<b>P3948-18</b> CN, G101, 1260	- E Fairway. No 301	39 52-70 N 119 38-48 E	Fl R 4s	..	..	Red □ on red buoyant beacon	
<b>P3948-2</b> CN, G101, 1261	-- No 302	39 52-73 N 119 38-62 E	Fl G 4s	..	..	Green △ on green buoyant beacon	
<b>P3948-3</b> CN, G101, 1262	-- No 303	39 53-40 N 119 38-65 E	Fl R 4s	..	..	Red □ on red buoyant beacon	
<b>P3948-35</b> CN, G101, 1263	-- No 304	39 53-39 N 119 38-77 E	Fl G 4s	..	..	Green △ on green buoyant beacon	
<b>P3948-4</b> CN, G101, 1263-01	-- No 305	39 54-00 N 119 38-79 E	Fl R 4s	..	..	Red □ on red buoyant beacon	

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QINHUANGDAO GANG — E Fairway - (contd)				m	M		
<b>P3948-45</b> CN, G101, 1263-02	-- No 306	39 53-92 N 119 38-92 E	Fl G 4s	..	..	Green △ on green buoyant beacon	
<b>P3948-5</b> CN, G101, 1263-03	-- No 307	39 54-28 N 119 38-81 E	Fl(2)R 6s	..	..	Red □ on red buoyant beacon	
<b>P3948-55</b> CN, G101, 1263-28	-- No 308	39 54-43 N 119 39-12 E	Fl(2)G 6s	..	..	Green △ on green buoyant beacon	
<b>P3948-6</b> CN, G101, 1263-05	- Xinkaihe Kou. Approach Channel. No X-1	39 54-57 N 119 38-46 E	Fl(2)R 6s	..	..	Red □ on red buoyant beacon	
<b>P3948-61</b> CN, G101, 1263-13	--- No X-2	39 54-61 N 119 38-51 E	Fl(2)G 6s	..	..	Green △ on green buoyant beacon	
<b>P3948-612</b> CN, G101, 1263-14	--- No X-3	39 54-88 N 119 38-03 E	Fl(2)R 6s	..	..	Red □ on red buoyant beacon	
<b>P3948-614</b> CN, G101, 1263-15	--- No X-4	39 54-93 N 119 38-09 E	Fl(2)G 6s	..	..	Green △ on green buoyant beacon	
<b>P3948-616</b> CN, G101, 1263-16	--- No X-5	39 55-04 N 119 37-83 E	Fl R 4s	..	..	Red □ on red buoyant beacon	
<b>P3948-617</b> CN, G101, 1263-19	--- No X-8	39 55-16 N 119 37-73 E	Fl(2)G 6s	..	..	Green △ on green buoyant beacon	
<b>P3948-618</b> CN, G101, 1263-17	--- No X-6	39 55-08 N 119 37-88 E	Fl G 4s	..	..	Green △ on green buoyant beacon	
<b>P3948-619</b> CN, G101, 1263-18	--- No X-7	39 55-10 N 119 37-71 E	Fl(2)R 6s	..	..	Red □ on red buoyant beacon	
<b>P3948-62</b> CN, G101, 1264-1	- E Fairway. No 310	39 54-78 N 119 39-13 E	Fl G 4s	..	..	Green △ on green buoyant beacon	
<b>P3948-622</b> CN, G101, 1263-2	- Xinkaihe Gang. W Breakwater. No 1	39 55-22 N 119 37-33 E	Fl R 4s	10	3	White GRP tower, red bands 7	
<b>P3948-623</b> CN, G101, 1263-192	- Xinaihe Gang. E Breakwater. No 1	39 55-25 N 119 37-46 E	Fl G 4s	10	6	Red metal post 3	
<b>P3948-625</b> CN, G101, 1263-194	- Xinkaihe Gang. E Breakwater. No 2	39 55-29 N 119 37-37 E	Fl G 4s	11	3	White GRP tower, green bands 7	
<b>P3948-627</b> CN, G101, 1263-196	- Xinaihe Gang. E Breakwater. No 3	39 55-39 N 119 37-24 E	Fl G 4s	8	6	Red metal pole 3	
<b>P3948-63</b> CN, G101, 1263-26	- Xinkaihe Gang. Inner Channel. Ldg Lts 293°38'. Front	39 55-27 N 119 37-26 E	Fl W 2s	18	3	White metal framework tower 15	
<b>P3948-631</b> CN, G101, 1263-27	--- Rear	39 55-29 N 119 37-22 E	Fl W 2s	25	3	White metal framework tower 22	
<b>P3948-64</b> CN, G101, 1264-2	- E Fairway. No 309	39 54-80 N 119 38-99 E	Fl R 4s	..	..	Red □ on red buoyant beacon	
<b>P3948-65</b> CN, G101, 1264	- E Harbour Area. Oil Harbour. No 311	39 55-11 N 119 38-96 E	Fl R 4s	..	..	Red □ on red buoyant beacon	
<b>P3948-8</b> CN, G101, 1269-5	- Meiyiqi. Pier. Head	39 55-67 N 119 39-02 E	F R	14	3	Red and white GRP tower 10	
<b>P3949</b> CN, G101, 1270	--- Basin Limit. Lts in line. Front	39 55-64 N 119 38-87 E	F R	24	3	+ on white metal framework tower 25	
<b>P3949-1</b> CN, G101, 1271	--- Rear	39 55-99 N 119 38-80 E	F R	39	3	+ on white metal framework tower 40	
<b>P3949-5</b> CN, G101, 1267	--- Pier. Head	39 55-31 N 119 39-25 E	F R	15	3	White concrete tower 12	TE 2013



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QINHUANGDAO GANG — Meiyiqi. Pier - (contd)

				m	M	
<b>P3949-7</b> CN, G101, 1268-1	--- Service Boat. Pier. Head	39 55-69 N 119 39-21 E	Fl(2)R 4s	11	3	Green and white GRP tower <i>fl 0-5, ec 1, fl 0-5, ec 2</i> 7
<b>P3949-71</b> CN, G101, 1269	--- N Pier	39 55-73 N 119 39-17 E	F G	11	3	White metal post 9
<b>P3950</b> CN, G101, 1268	--- Fuel Pier. Head	39 55-61 N 119 39-14 E	Fl R 4s	12	3	White concrete tower 12
<b>P3950-3</b> CN, G101, 1265-1	--- Meierqi Pier. Head	39 55-17 N 119 38-73 E	Fl(2+1)W 6s	15	3	Red and white GRP tower <i>fl 0-5, ec 0-5, fl 0-5, ec 1, fl 0-5, ec 3</i> 10
<b>P3950-5</b> CN, G101, 1266	--- Breakwater. Head	39 55-04 N 119 39-34 E	Fl W 3s	11	3	White concrete tower <i>fl 1</i> 12
<b>P3953-81</b> CN, G101, 1263-37	- Meisanqi Hangdao. Centreline Ldg Lts 035° Front	39 56-01 N 119 40-48 E	F W	29	6	◇ on white metal pillar 24
<b>P3953-82</b> CN, G101, 1263-38	--- Rear. 0-63M from front	39 56-54 N 119 40-96 E	F W	49	6	◇ on white metal framework beacon 48
	-----	..	Racon	..	..	ALRS Vol 2 Station 82167
<b>P3953-821</b> CN, G101, 1263-41	-- W limit Lts in line 035° W Front	39 56-07 N 119 40-48 E	F W	27	6	△ on white metal pillar 24
<b>P3953-822</b> CN, G101, 1263-42	-- W Limit Lts in line 035° Rear. 0-57M from front	39 56-55 N 119 40-92 E	F W	47	6	△ on white metal framework beacon 47
<b>P3953-823</b> CN, G101, 1263-39	-- E Limit Lts in line 035° Front	39 55-95 N 119 40-48 E	F W	27	6	▽ on white metal pillar 23
<b>P3953-824</b> CN, G101, 1263-4	--- Rear. 0-71M from front	39 56-55 N 119 41-02 E	F W	47	6	▽ on white metal framework beacon 45
<b>P3953-9</b> CN, G101, 1263-43	- Meiyiqi. New Coal Terminal. Head	39 55-44 N 119 40-11 E	F G	16	3	Metal mast 18
<b>P3954-3</b> CN, G101, 1263-31	- Eastern Fairway. No 425	39 55-31 N 119 39-75 E	Fl R 4s	..	..	Red □ on red buoyant beacon
<b>P3954-4</b>	-- No 37	39 55-56 N 119 39-81 E	Fl R 4s	..	..	Red □ on red buoyant beacon
<b>P3954-65</b> CN, G101, 1263-44	- Meisiqi Pier. Head	39 55-72 N 119 39-90 E	Fl(2)W 6s	17	4	White round concrete pile <i>fl 1, ec 1, fl 1, ec 3</i> 11
<b>P3954-7</b> CN, G101, 1263-34	- Basin No 3. No 430	39 55-94 N 119 40-41 E	VQ(9)W 10s	..	..	Σ on yellow buoyant beacon, black band
<b>P3954-9</b> CN, G101, 1263-45	- HSA Large Wharf. Pier. Head	39 55-96 N 119 40-05 E	Fl(2)W 4s	13	3	GRP tower, red and white stripes <i>fl 0-5, ec 1, fl 0-5, ec 2</i> 10
<b>P3954-91</b> CN, G101, 1263-46	- HSA Little Wharf. Pier. Head	39 56-10 N 119 40-06 E	Fl R 2s	5	1.5	Round tower, green and white stripes <i>fl 0-5</i> 3
<b>P3954-914</b> CN, G101, 1263-47	- Thermal Power Plant. Pumping Station. W Breakwater. Head	39 56-03 N 119 39-87 E	Fl R 4s	6	6	White pile, red bands 5
<b>P3954-915</b> CN, G101, 1263-48	--- Intake Warning	39 56-00 N 119 39-96 E	Mo(P)Y 12s	..	..	Yellow x on yellow buoyant beacon
<b>P3954-92</b> CN, G101, 1252-87	- Qinshan Chemical Industry. Ldg Lts 004°. Middle Front	39 56-20 N 119 41-58 E	F W	17	6	◇ on white framework tower 13

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QINHUANGDAO GANG — Qinshan Chemical Industry. Ldg Lts 004° - (contd)

				m	M	
<b>P3954-921</b> CN, G101, 1252-88	--- Middle Rear	39 56-46 N 119 41-63 E	F W	22	6	◇ on white framework tower 19
<b>P3954-922</b> CN, G101, 1252-89	--- E Front	39 56-20 N 119 41-64 E	F W	17	6	▽ on white framework tower 13
<b>P3954-923</b> CN, G101, 1252-9	--- E Rear	39 56-44 N 119 41-68 E	F W	22	6	▽ on white framework tower 19
<b>P3954-924</b> CN, G101, 1252-91	--- W Front	39 56-19 N 119 41-52 E	F W	17	6	△ on white framework tower 13
<b>P3954-925</b> CN, G101, 1252-92	--- W Rear	39 56-43 N 119 41-55 E	F W	22	6	△ on white framework tower 19
<b>P3954-926</b> CN, G101, 1271-81	- Coal Pier. No 1. Head	39 54-82 N 119 40-64 E	Fl G 2s	18	3	Green and white GRP column 12
<b>P3954-927</b> CN, G101, 1271-82	-- No 2. Root	39 55-46 N 119 40-60 E	Fl R 2s	9	3	Red and white GRP column 3
<b>P3954-928</b> CN, G101, 1271-815	-- Berth 906	39 55-12 N 119 40-63 E	Fl W 2s	11	3	White column, black bands 5
<b>P3954-93</b> CN, G101, 1252-81	- Qinshan Chemical Industry. Resilient. H-1	39 54-59 N 119 41-41 E	Fl R 4s	..	..	Red □ on red beacon
<b>P3954-932</b> CN, G101, 1252-82	--- H-2	39 54-58 N 119 41-53 E	Fl G 4s	..	..	Green △ on green beacon
<b>P3954-933</b> CN, G101, 1252-83	--- H-3	39 55-37 N 119 41-49 E	Fl(2)R 6s	..	..	Red □ on red beacon
<b>P3954-9335</b> CN, G101, 1252-84	--- H-4	39 55-37 N 119 41-58 E	Fl(2)G 6s	..	..	Green △ on green beacon
<b>P3954-934</b> CN, G101, 1252-3	-- Coal Storage Ground. Stage No 5. Breakwater. Head	39 55-51 N 119 41-44 E	Fl R 2s	12	3	Red and white GRP tower 6
<b>P3954-935</b> CN, G101, 1252-85	-- Resilient. H-5	39 55-77 N 119 41-52 E	Fl(3)R 10s	..	..	Red □ on red beacon
<b>P3954-94</b> CN, G101, 1252-86	--- H-6	39 55-77 N 119 41-63 E	Fl(3)G 10s	..	..	Green △ on green beacon
<b>P3954-943</b> CN, G101, 1252-8	-- Service Boat Pier. Breakwater. Head. S	39 55-97 N 119 41-58 E	F Y	12	1.5	Yellow beacon 8
<b>P3954-944</b> CN, G101, 1252-7	--- N	39 55-97 N 119 41-58 E	F Y	12	1.5	Yellow beacon 8
<b>P3954-945</b> CN, G101, 1252-862	-- Resilient. H-7	39 56-08 N 119 41-70 E	Fl R 4s	..	..	Red □ on red beacon
<b>P3954-948</b> CN, G101, 1252-93	-- Breakwater. Head	39 55-86 N 119 41-79 E	Fl(2)W 6s	15	4	Green and white GRP tower 10
<b>P3954-95</b>	--	39 56-20 N 119 41-40 E	Fl G 4s	..	2	
<b>P3954-96</b> CN, G101, 1251-901	- Thermal Power Plant. Ash Storage. Breakwater. W	39 56-13 N 119 42-32 E	Fl R 4s	13	6	White GRP tower, red bands 7
<b>P3954-962</b> CN, G101, 1251-9	--- E	39 56-13 N 119 42-64 E	Fl R 2s	13	6	White GRP tower, red bands 7

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QINHUANGDAO GANG - (contd)

				m	M			
<b>P3954-967</b> CN, G101, 1251-882	- Shanhaiguan Yacht Club. S Breakwater. Pier	39 56-89 N 119 45-77 E	FI G 4s	12	3	White GRP pile, green bands 6		
<b>P3954-968</b> CN, G101, 1251-881	-- N Breakwater. Pier	39 56-93 N 119 45-79 E	FI R 4s	12	3	White GRP pile, red bands 8		
<b>P3954-98</b> CN, G101, 1251-62	Shanhaiguan. Ldg Lts 040°51'. Front	39 59-22 N 119 50-15 E	F W	..	6	White structure 14		
<b>P3954-981</b> CN, G101, 1251-64	-- Rear	39 59-30 N 119 50-24 E	F W	..	6	White structure 18		
<b>P3955</b> CN, G101, 1251-68	- W Breakwater. Head	39 58-62 N 119 49-39 E	FI R 4s	10	6	White GRP tower 8		
<b>P3955-2</b> CN, G101, 1251-66	- E Breakwater. Head	39 58-47 N 119 49-40 E	Iso G 2s	11	7	White metal tower 8		
	---	..	Racon	..	..	..	ALRS Vol 2 Station 82168	
<b>P3955-21</b> CN, G101, 1251-682	-- Middle	39 57-80 N 119 49-36 E	FI W 4s	10	6	Black and white GRP tower 8		
<b>P3955-22</b> CN, G101, 1251-681	-- S Head	39 57-51 N 119 49-56 E	Iso W 6s	13	8	Red and white GRP tower 10		
<b>P3955-23</b> CN, G101, 1251-683	- S Pier	39 57-93 N 119 49-89 E	Iso G 6s	10	6	White GRP tower 8		
<b>P3955-235</b> CN, G101, 1251-687	- No 17 Berth. Pier	39 58-33 N 119 50-04 E	FI G 4s	10	6	Red GRP tower 8		
<b>P3956-1</b> CN, G101, 1251-74	- D-1	39 58-34 N 119 48-76 E	FI R 4s	..	..	Red □ on red beacon		
<b>P3956-2</b> CN, G101, 1251-76	- D-2	39 58-31 N 119 48-83 E	FI G 4s	..	..	Green △ on green beacon		
<b>P3956-3</b> CN, G101, 1251-78	- D-3	39 58-54 N 119 48-92 E	FI(2)R 6s	..	..	Red □ on red beacon		
<b>P3956-4</b> CN, G101, 1251-8	- D-4	39 58-52 N 119 48-99 E	FI(2)G 6s	..	..	Green △ on green beacon		
<b>P3956-5</b> CN, G101, 1251-84	-	39 58-68 N 119 49-15 E	FI G 2s	10	3	White GRP, red bands		
<b>P3960</b> CN, G101, 1251-54	<b>Huanhaisidi Zui</b>	40 00-07 N 119 54-84 E	FI W 10s	25	15	3 white round concrete towers 12		
	- Reserve light	..	Q(3)W 10s	..	10			
	-	..	Racon	..	..	..	ALRS Vol 2 Station 82170	
SUIZHONG GANG								
<b>P3960-19</b> CN, G101, 1251-42	- Suizhong Pier No 36. Head	40 03-74 N 120 02-89 E	FI W 2s	14	12	Red and white GRP tower 9		
<b>P3960-2</b> CN, G101, 1251-346	-- No 26	40 04-64 N 120 02-65 E	VQ(6)+LFI W 10s	..	..	∇ on black beacon, yellow top		
<b>P3960-25</b> CN, G101, 1251-41	-- Head	40 03-98 N 120 02-79 E	FI G 2s	14	3	White tower 9		
<b>P3960-251</b> CN, G101, 1251-345	-- No 25	40 04-21 N 120 02-89 E	Q(6)+LFI W 15s	..	..	∇ on black beacon, yellow top		
<b>P3960-252</b> CN, G101, 1251-344	-- No 24	40 04-21 N 120 02-78 E	VQ(6)+LFI W 10s	..	..	∇ on black beacon, yellow top		
<b>P3960-253</b> CN, G101, 1251-336	-- No 16	40 04-21 N 120 02-60 E	FI R 4s	..	..	Red □ on red beacon		
<b>P3960-254</b> CN, G101, 1251-333	-- No 13	40 04-29 N 120 02-69 E	FI(2)G 6s	..	..	Green △ on green buoyant beacon		

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SUIZHONG GANG — Suizhong Pier No 36 - (contd)

				m	M			
<b>P3960-255</b> CN, G101, 1251-335	-- No 15	40 04-46 N 120 02-69 E	FI G 4s	..	..	Green △ on green buoyant beacon		
<b>P3960-256</b> CN, G101, 1251-338	-- No 18	40 04-54 N 120 02-61 E	FI(2)R 6s	..	..	Red □ on red beacon		
<b>P3960-261</b> CN, G101, 1251-421	- Xiaogangchi Breakwater. Head	40 04-50 N 120 02-72 E	FI W 3s	13	3	White GRP tower 8		
<b>P3960-28</b> CN, G101, 1251-43	-- No 1 Channel. Centreline Ldg Lts 000°. Front	40 05-04 N 120 02-68 E	F W	30	6	White structure 33		
<b>P3960-281</b> CN, G101, 1251-44	--- Rear	40 05-44 N 120 02-68 E	F W	47	6	White structure 37		
<b>P3960-35</b> CN, G101, 1251-45	- Breakwater. Head	40 04-57 N 120 02-35 E	FI R 2s	15	3	Red metal pole 10		
<b>P3960-36</b> CN, G101, 1251-455	- Middle Ldg Lts 006-5°. Front	40 04-99 N 120 02-33 E	F W	17	6	Red and white ◇ on white metal framework tower, red bands 16		
<b>P3960-361</b> CN, G101, 1251-46	-- Rear	40 05-02 N 120 02-34 E	F W	18	6	Red and white ◇ on white metal framework tower, red bands 18		
<b>P3960-37</b> CN, G101, 1251-465	- E Ldg Lts 006-5°. Front	40 04-98 N 120 02-37 E	F G	15	6	Red △ white stripe on white metal framework tower, red stripes 15	Marks E side of channel	
<b>P3960-371</b> CN, G101, 1251-47	-- Rear	40 05-00 N 120 02-37 E	F G	16	6	Red △ white stripe on white metal framework tower, red stripes 15	Marks E side of channel	
<b>P3960-38</b> CN, G101, 1251-475	- W Ldg Lts 006-5°. Front	40 04-99 N 120 02-30 E	F R	15	6	White ∇ red stripe on white metal framework tower, red stripes 14	Marks W side of channel	
<b>P3960-381</b> CN, G101, 1251-48	-- Rear	40 05-03 N 120 02-30 E	F R	19	6	White ∇ red stripe on white metal framework tower red stripes 16	Marks W side of channel	
<b>P3960-4</b> CN, G101, 1251-52	- Longwangmiao	40 04-42 N 120 00-64 E	FI R 4s	23	6	Black tower 5	Fishing	
<b>P3960-5</b> CN, G101, 1251-16	Gouhe Kou	40 09-02 N 120 16-12 E	FI(2)R 6s	26	6	White concrete post 18	Fishing	
<b>P3962</b> CN, G101, 1251-14	Tianlongsi	40 11-43 N 120 21-03 E	LFI W 10s	24	6	White concrete post 18	Fishing	
<b>P3964</b> CN, G101, 1251-12	<b>Daolong Zui</b>	40 12-81 N 120 27-24 E	FI(2+1)W 20s	41	18	3-sided concrete tower, red and white stripes 39		
	- Reserve light	..	..	..	10			
	-	..	Racon	..	..	..	ALRS Vol 2 Station 82180	
<b>P3964-2</b> CN, G101, 1251-1	Erhe Kou	40 13-25 N 120 28-23 E	FI(3)R 10s	28	6	White concrete post 18		
<b>P3964-3</b> CN, G101, 1251-08	Liuguhe Kou	40 16-26 N 120 29-63 E	FI W 6s	26	6	White concrete post 18		

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				m	M		
<b>P3964-4</b> CN, G101, 1251-06	Niangniangding	40 20-29 N 120 31-16 E	LFl W 10s	30	6	White concrete post 18	Fishing
<b>P3964-6</b> CN, G101, 1251-04	Taizili	40 22-83 N 120 35-60 E	Fl R 4s	35	6	White concrete post 18	
<b>P3964-8</b> CN, G101, 1251-02	Caozhuang	40 24-41 N 120 36-81 E	Fl(2)W 5s	40	6	White concrete post 18	
<b>P3965</b> CN, G101, 1251	LIANSHAN WAN - Juhua Dao	40 29-41 N 120 49-24 E	Fl W 4s	69	7	White round concrete tower 7	<i>fl 0-4</i> , W210°-060°(210°)
<b>P3965-1</b> CN, G101, 1250-1	-- N	40 31-44 N 120 48-02 E	Fl(2)R 6s	38	6	White concrete column 18	Fishing
<b>P3965-15</b> CN, G101, 1250-21	-- Passenger Transport Pier	40 31-25 N 120 48-67 E	Fl G 2s	12	6	Green metal pillar 8	
<b>P3965-16</b> CN, G101, 1250-25	-- Ro-Ro Pier	40 31-20 N 120 48-70 E	Fl(4)W 8s	10	6	White metal pillar, red bands 6	
<b>P3965-2</b> CN, G101, 1250	- Tangwangcheng Jiao	40 32-49 N 120 53-89 E	Q(3)W 10s	8	4	⊕ on black beacon, yellow band	
<b>P3965-3</b> CN, G101, 1249	- Xiancheng Jiao	40 35-62 N 120 55-10 E	Fl(2)W 5s	8	4	Black ⊗ on black beacon, red band	
<b>P3965-34</b> CN, G101, 1250-51	- Xingcheng, Pier	40 36-70 N 120 48-20 E	Fl G 2s	10	6	Green pillar 6	
<b>P3965-35</b> CN, G101, 1250-52	-- Passenger Transport Pier	40 36-71 N 120 48-21 E	Fl R 2s	12	6	Red GRP pillar 8	
<b>P3965-36</b> CN, G101, 1250-5	-- Ro-Ro Pier	40 36-80 N 120 48-20 E	Fl(3)W 6s	10	6	White GRP pillar, red bands 6	
<b>P3965-4</b> CN, G101, 1248-5	- Dongyue	40 40-05 N 120 48-23 E	Fl(4)W 6s	32	6	White concrete column 18	Fishing
<b>P3965-5</b> CN, G101, 1245-901	- Hulu Dao Gaojiao	40 42-87 N 121 01-32 E	Fl(2)W 12s	128	18	White round concrete tower 10	<i>fl 1-5, ec 3, fl 1-5, ec 6</i> , W180°-073°(253°)
<b>P3965-52</b> CN, G101, 1247	- Huludao Gang, E Breakwater	40 42-68 N 121 00-82 E	Fl G 3s	12	3	Grey concrete column 9	<i>fl 0-3</i>
<b>P3965-54</b> CN, G101, 1246	-- S Breakwater	40 42-57 N 121 00-61 E	Fl R 3s	12	3	Grey concrete column 9	
	---	..	Racon	..	..	..	ALRS Vol 2 Station 82183
<b>P3965-56</b>	-- Entrance	40 42-80 N 120 59-70 E	F W	12	3	Metal framework tower 10	
<b>P3965-57</b> CN, G101, 1248-1	--- Ldg Lts 286°02'. Front	40 42-80 N 120 59-50 E	F W	21	..	..	..
<b>P3965-571</b> CN, G101, 1248-11	---- Rear	40 42-90 N 120 59-10 E	F W	31	..	..	..
<b>P3965-574</b> CN, G101, 1248-12	-- Main Channel, Ldg Lts 324-7°. Front	40 42-38 N 120 58-30 E	F W	60	10	△ on white metal framework tower, black bands 55	
<b>P3965-5741</b> CN, G101, 1248-13	---- Rear	40 42-95 N 120 57-77 E	F W	80	10	▽ on white metal framework tower, black bands 15	

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				m	M		
LIANSHAN WAN — Huludao Gang - (contd)							
<b>p3965-576</b> CN, G101, 1248-14	-- Inner Channel, Ldg Lts 313°54'. Front	40 42-34 N 120 57-67 E	F W	27	4	△ on white metal framework tower, black bands 22	
<b>p3965-5761</b> CN, G101, 1248-15	---- Rear	40 42-39 N 120 57-60 E	F W	31	4	▽ on white metal framework tower, black bands 26	
<b>p3965-58</b>	-- Huludao Neigang, R	40 42-50 N 121 00-00 E	F G	6	3	Grey concrete column 5	
<b>p3965-59</b> CN, G101, 1247-2	--- L	40 42-40 N 121 00-00 E	F R	6	3	Grey concrete column 6	
<b>p3965-6</b> CN, G101, 1244-301	JINZHOU WAN - Jinzhou Gang, Outer Channel, Ldg Lts 352-72°. Front	40 44-29 N 121 03-06 E	F W	34	10	White ◇, red stripes on white metal framework tower 33	
<b>p3965-601</b> CN, G101, 1244-302	---- Rear	40 45-26 N 121 02-90 E	F W	54	10	White ◇, red stripes on white metal framework tower 55	
<b>p3965-61</b> CN, G101, 1244-52	-- No 3	40 44-38 N 121 03-23 E	Fl R 4s	..	..	Red □ on red buoyant beacon	
<b>p3965-619</b> CN, G101, 1245-22	HULUDAOGANG BEIGANG - Gangqu, Pier	40 44-78 N 120 58-49 E	Iso R 4s	13	8	Red and white concrete pile 10	
<b>p3965-62</b> CN, G101, 1245-23	-- Ldg Lt, Middle, Front	40 44-96 N 120 58-13 E	F W	25	10	Black △ on red and white metal framework tower 25	
<b>p3965-621</b> CN, G101, 1245-24	---- Rear	40 44-96 N 120 57-88 E	F W	34	10	Black ▽ on red and white metal framework tower 33	
<b>p3965-63</b> CN, G101, 1244-54	JINZHOU WAN - Jinzhou Gang, No 5	40 45-19 N 121 03-33 E	Fl(2)R 6s	..	..	Red □ on red buoyant beacon	
<b>p3965-65</b> CN, G101, 1244-56	-- No 7	40 46-37 N 121 03-46 E	Fl(2+1)R 6s	..	..	Red □ on red and green buoyant beacon	
<b>p3965-66</b> CN, G101, 1244-44	-- S Breakwater, Head	40 47-41 N 121 03-33 E	Fl(2)W 6s	20	5	Red and white GRP tower 10	
<b>p3965-665</b> CN, G101, 1244-45	-- N Breakwater, Head	40 47-65 N 121 03-19 E	Fl(2)W 6s	20	5	Red and white GRP tower 10	
<b>p3965-666</b> CN, G101, 1244-46	-- Basin No 3, General Berth, S End	40 47-99 N 121 02-72 E	Fl W 5s	8	7	White pile, red bands 5	
<b>p3965-667</b> CN, G101, 1244-47	---- N End	40 48-40 N 121 02-47 E	Iso W 4s	8	7	White pile, black bands 5	
<b>p3965-668</b> CN, G101, 1244-436	-- Sangangchi, Ldg Lts 335°. Front	40 48-64 N 121 02-27 E	F W	36	9	White ◇, red stripes on white metal framework tower 32	
<b>p3965-6681</b> CN, G101, 1244-437	---- Rear	40 48-88 N 121 02-12 E	F W	46	9	White ◇, red stripes on white metal framework tower 42	

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JINZHOU WAN — Jinzhou Gang - (contd)

				m	M	
<b>P3965-67</b> CN, G101, 1244-58	-- No 9 40 47-66 N 121 03-65 E	Fl(2)R 6s	..	..	..	Red □ on red buoyant beacon
<b>P3965-68</b> CN, G101, 1244-59	-- No 10 40 47-64 N 121 03-83 E	Fl(2+1)G 12s	..	..	..	Green △ on green buoyant beacon, red band
<b>P3965-69</b> CN, G101, 1244-6	-- No 11 40 47-85 N 121 03-63 E	Fl R 4s	..	..	..	Red □ on red buoyant beacon
<b>P3965-7</b> CN, G101, 1244-671	-- Berth No 210. Pier 40 47-92 N 121 03-62 E	Fl W 5s	11	5	5	White post, red bands
<b>P3966</b> CN, G101, 1244-4	-- Ldg Lts 005°41'. Front 40 48-73 N 121 03-88 E	F W	42	12	12	○ on white pile
<b>P3966-1</b> CN, G101, 1244-41	--- Rear 40 49-71 N 121 04-01 E	Fl W 4s	73	12	12	○ on white pile
<b>P3966-12</b> CN, G101, 1244-42	-- E Channel limit. Lts in line. Front 40 48-94 N 121 03-95 E	F W	15	6	6	△ on red and white structure
<b>P3966-121</b> CN, G101, 1244-43	--- Rear 40 49-66 N 121 04-05 E	F W	32	6	6	▽ on red and white structure
<b>P3966-15</b> CN, G101, 1244-65	-- Berth 201. Pier 40 48-22 N 121 03-85 E	Fl(4)W 12s	3	4	4	Black structure
<b>P3966-2</b> CN, G101, 1244-61	-- Breakwater. Head 40 47-81 N 121 04-00 E	Fl W 4s	15	6	6	White metal framework tower
<b>P3966-25</b> CN, G101, 1244-608	-- Basin. No 5. Breakwater. Head 40 47-62 N 121 04-25 E	Fl W 5s	18	4	4	White metal pillar, red bands
<b>P3966-3</b> CN, G101, 1244-98	-- Basin No 5. Breakwater. S 40 47-76 N 121 04-72 E	Fl W 3s	5	4	4	White structure
<b>P3966-4</b> CN, G101, 1244-98	---- N 40 48-01 N 121 04-70 E	F Y	2	4	4	White structure
<b>P3966-5</b> CN, G101, 1244-96	--- Ldg Lts 060°. Front 40 47-92 N 121 04-65 E	F R	24	6	6	White metal pipe
<b>P3966-51</b> CN, G101, 1244-97	---- Rear 40 47-94 N 121 04-70 E	F R	28	6	6	White metal pipe
LIAODONG BANDA0. YINGKOU GANG						
<b>P3967-9</b> CN, G101, 1239	- Panjin Yuedong Pipeline. No 1 40 45-71 N 121 56-46 E	Mo(C)Y 12s	8	4	4	Yellow Post
<b>P3967-91</b> CN, G101, 1239-1	-- No 2 40 45-83 N 121 56-48 E	Mo(C)Y 12s	8	4	4	Yellow Post
<b>P3968</b> CN, G101, 1236-42	- Rongxing Gangqu. Main Channel. Ldg Lts 012-6°. Front 40 42-07 N 121 59-04 E	F W	39	12	12	White □ on white concrete column, red bands
<b>P3968-1</b> CN, G101, 1236-43	---- Rear 40 43-10 N 121 59-34 E	F W	59	12	12	White □ on white concrete column, red bands
<b>P3968-2</b> CN, G101, 1236-41	-- Oil Pier. N 40 41-55 N 121 59-72 E	Fl W 3s	13	5	5	White column, black bands
<b>P3968-3</b> CN, G101, 1236-4	--- S 40 41-25 N 121 59-46 E	Fl R 3s	13	5	5	Red column
<b>P3970-5</b> CN, G101, 1212-1	- Turning Beacon 40 35-84 N 122 09-31 E	F W	16	8	8	Black ○ on black metal framework tower

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LIAODONG BANDA0. YINGKOU GANG - (contd)

				m	M	
<b>P3971</b> CN, G101, 1202	- Bar Ldg Lts 061°. Front 40 35-73 N 122 09-64 E	F W	17	8	8	Black △ on black metal framework tower
<b>P3971-1</b> CN, G101, 1203	-- Rear. 950m from front 40 35-98 N 122 10-20 E	F W	32	8	8	Black ▽ on black metal framework tower
<b>P3971-9</b> CN, G101, 1209	- Inner Channel Ldg Lts 040°15'. Front. 950m from rear 40 37-50 N 122 08-86 E	F R	14	7	7	Black △ on black metal framework tower
<b>P3972</b> CN, G101, 1210	-- Common rear 40 37-88 N 122 09-28 E	F R	29	7	7	Black ▽ on black metal framework tower
	- Ldg Lts 173°20'. Common rear	F R	29	7	7	..
<b>P3972-1</b> CN, G101, 1210-1	- Ldg Lts 173°20'. Front. No 4 40 38-17 N 122 09-25 E	F R	19	7	7	Black △ on black metal framework structure
<b>P3972-15</b> CN, G101, 1220-1	- Paotai Turning 40 39-27 N 122 09-78 E	Q G	..	4	4	
<b>P3972-3</b> CN, G101, 1235-2	- Xishiba in Water 40 39-31 N 122 08-52 E	Fl R 4s	..	..	..	□ on red beacon
<b>P3972-4</b> CN, G101, 1235	- W Tongzi in Water 40 39-99 N 122 07-68 E	Fl(2)R 6s	..	..	..	□ on red beacon
<b>P3972-5</b> CN, G101, 1213	- West Channel. Ldg Lts 014°45'. Front 40 40-90 N 122 08-41 E	F W	16	8	8	Black △ on black metal framework structure
<b>P3972-51</b> CN, G101, 1214	--- Rear. 540m from front 40 41-24 N 122 08-52 E	F W	26	8	8	Black ▽ on black metal framework structure
<b>P3975</b> CN, G101, 1223	- Zaomugou 40 41-89 N 122 08-55 E	Fl W 4s	11	4	4	Black metal framework tower
<b>P3976</b> CN, G101, 1221	- Ldg Lts 353°20'. Front. No 2 40 42-17 N 122 08-68 E	F R	13	4	4	Black △ on black metal framework tower
<b>P3976-1</b> CN, G101, 1222	-- Rear. 195m from front 40 42-25 N 122 08-67 E	F R	17	4	4	Black ▽ on black metal framework tower
<b>P3977</b> CN, G101, 1225	- Yongyuan Jiao 40 42-69 N 122 09-88 E	Fl W 6s	11	4	4	Black metal framework tower
<b>P3977-2</b> CN, G101, 1225-3	- Liao He. Ultra Large Bridge. Opening. No 1 40 41-78 N 122 11-06 E	F R	..	4	4	Red × on yellow □
<b>P3977-21</b> CN, G101, 1225-31	---- No 2 40 41-77 N 122 11-08 E	F R	..	4	4	Red × on yellow □
<b>P3977-22</b> CN, G101, 1225-32 CN, G101, 1225-33	--- No 3, No 4 40 41-74 N 122 11-00 E	Q Y	..	4	4	Yellow pillar, red band
<b>P3977-24</b> CN, G101, 1225-34	--- Opening. No 5 40 41-72 N 122 10-98 E	Fl R 4s	..	4	4	Red □
<b>P3977-25</b> CN, G101, 1225-35	---- No 6 40 41-70 N 122 11-00 E	Fl R 4s	..	4	4	Red □

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LIAODONG BANDAO. YINGKOU GANG — Liao He. Ultra Large Bridge. Opening - (contd)

<b>P3977-26</b> CN, G101, 1225-36	---- No 7 -----	40 41-66 N 122 10-91 E	FG Racon	..	4	Green ^ v on white □	Centre mark for two way navigable span ALRS Vol 2 Station 82188		
<b>P3977-27</b> CN, G101, 1225-37	---- No 8	40 41-65 N 122 10-93 E	FG	..	4	Green ^ v on white □	Centre mark for two way navigable span		
<b>P3977-28</b> CN, G101, 1225-38	---- No 9	40 41-61 N 122 10-85 E	FI G 4s	..	4	Green △	Marks NW side of navigable span		
<b>P3977-29</b> CN, G101, 1225-39	---- No 10	40 41-59 N 122 10-86 E	FI G 4s	..	4	Green △	Marks SW side of navigable span		
<b>P3977-3</b> CN, G101, 1225-4 CN, G101, 1225-41	--- No 11, No 12	40 41-56 N 122 10-79 E	Q Y	..	4	Yellow pillar, red band 6	Marks bridge piers		
<b>P3977-5</b> CN, G101, 1226	- Shipyard. Ldg Lts 283° Front	40 41-32 N 122 11-20 E	FR	9	2	△ on black metal framework tower 8			
<b>P3977-51</b> CN, G101, 1227	--- Rear	40 41-34 N 122 11-11 E	FR	14	2	▽ on black metal framework tower 12			
<b>P3977-6</b> CN, G101, 1228-1	- Du Kou. N	40 41-38 N 122 11-96 E	FI W 4s	8	4	White metal column 6			
<b>P3977-62</b> CN, G101, 1228-12	-- S	40 40-97 N 122 12-22 E	FI(2)W 6s	8	4	White metal column 6			
<b>P3977-64</b> CN, G101, 1228-14	- Neigang Turning	40 40-73 N 122 14-01 E	FI W 6s	6	4	White metal column 3			
LIAODONG BANDAO. YINGKOU GANG. BAYUQUAN GANG									
<b>P3977-81</b> CN, G101, 1199-812	- Steel Operating Area. Main Channel Ldg Lts 126°. Middle Front	40 19-84 N 122 08-24 E	FW	31	8	White ◇ with red stripe, on black metal framework tower 34			
<b>P3977-811</b> CN, G101, 1199-813	--- Middle Rear	40 19-38 N 122 09-07 E	FW	53	9	White ◇ with red stripe, on black metal framework tower 15			
<b>P3977-812</b> CN, G101, 1199-81	--- E Front	40 19-85 N 122 08-29 E	FR	31	8	White ▽ with red stripe, on red and white metal framework tower 34			
<b>P3977-813</b> CN, G101, 1199-811	--- E Rear	40 19-41 N 122 09-09 E	FR	53	9	White ▽ with red stripe, on red and white metal framework tower 15			
<b>P3977-814</b> CN, G101, 1199-814	--- W Front	40 19-83 N 122 08-21 E	FG	31	8	White △ with red stripe, on green and white metal framework tower 34			
<b>P3977-815</b> CN, G101, 1199-815	--- W Rear	40 19-36 N 122 09-05 E	FG	53	9	White △ with red stripe, on green and white metal framework tower 15			
<b>P3977-818</b> CN, G101, 1199-828	-- Basin. N	40 20-02 N 122 08-24 E	FI W 6s	11	5	White metal framework tower 7			
<b>P3977-819</b> CN, G101, 1199-83	-- Service Vessel Pier	40 20-03 N 122 08-23 E	FI W 5s	9	5	White metal framework tower 7			

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LIAODONG BANDAO. YINGKOU GANG. BAYUQUAN GANG — Steel Operating Area - (contd)

<b>P3977-82</b> CN, G101, 1199-819	-- N Breakwater. Head	40 20-38 N 122 07-94 E	FI W 3s	12	7	White concrete column 8			
<b>P3977-822</b> CN, G101, 1199-82	--- W Head	40 20-30 N 122 07-64 E	Iso R 8s	13	8	Red and white concrete column 8			
	----	..	Racon	..	..	..			ALRS Vol 2 Station 82193
<b>P3977-825</b> CN, G101, 1199-822	-- W Breakwater. E Head	40 20-18 N 122 07-40 E	Iso G 8s	13	8	Green and white concrete column 8			
<b>P3977-83</b> CN, G101, 1199-824	--- W Head	40 20-03 N 122 07-12 E	FI(2)W 8s	13	7	White concrete column 8			
<b>P3977-835</b> CN, G101, 1199-832	-- Basin. S	40 19-78 N 122 07-77 E	FI W 4s	11	5	White metal framework tower 7			
<b>P3977-84</b> CN, G101, 1199-834	-- S	40 18-87 N 122 06-50 E	FI W 3s	12	5	White metal framework tower 7			
<b>P3978</b> CN, G101, 1199-8	- Taizi Shan -- Reserve light	40 17-79 N 122 06-46 E ..	FI W 10s FI W 10s	131 ..	25 7	White concrete tower 21			
<b>P3978-9</b> CN, G101, 1199-7	- Branch Channel Ldg Lts 067°25'. Front	40 18-51 N 122 04-83 E	FW	30	5	Red and white □ on metal structure 29			
<b>P3978-91</b> CN, G101, 1199-71	-- Rear. 250m from front	40 18-56 N 122 04-99 E	FW	36	5	Red and white □ on metal structure 35			
<b>P3979</b> CN, G101, 1199-1	- Ldg Lts 097°24'. Front --- Emergency light ---	40 17-24 N 122 05-36 E .. ..	FW .. AIS	21 .. ..	10 8 ..	Orange △ on orange and white pile 25			MMSI No 994131201
<b>P3979-1</b> CN, G101, 1199-11	-- Rear --- Emergency light	40 17-12 N 122 06-60 E ..	FW ..	49 ..	10 8	Orange ▽ on orange and white pile 45			
<b>P3979-102</b> CN, G101, 1199-14	- Lts in line. N Limit. Front	40 17-18 N 122 06-26 E	FR	35	5	◇ on beacon 30			
<b>P3979-103</b> CN, G101, 1199-15	--- Rear	40 17-06 N 122 07-44 E	FR	55	5	◇ on beacon 48			
<b>P3979-104</b> CN, G101, 1199-12	-- S Limit. Front	40 17-12 N 122 06-25 E	FG	35	4	▽ on black metal framework beacon 30			
<b>P3979-105</b> CN, G101, 1199-13	--- Rear	40 17-00 N 122 07-44 E	FG	55	4	△ on black metal framework beacon 48			
<b>P3979-11</b> CN, G101, 1199-204	- No 4 Basin. Grain Transferring Pier. Head	40 16-83 N 122 05-63 E	FI(3)W 6s	14	5	Blue and white concrete column 12			
<b>P3979-15</b> CN, G101, 1199-6	- N Breakwater. Head	40 17-38 N 122 04-90 E	QR	9	4	White round concrete pillar 12			
<b>P3979-16</b> CN, G101, 1199-55	- Deep Water Bulk Cargo Quay. Breakwater. Head	40 17-47 N 122 04-80 E	FI(4)W 8s	22	5	Green and white concrete tower 14			
<b>P3979-18</b> CN, G101, 1199-53	- Basin No 1. Ldg Lts 073°. Front	40 17-72 N 122 05-36 E	FW	33	5	Red and white □ on black framework tower 28			

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LIAODONG BANDAO. YINGKOU GANG. BAYUQUAN GANG — Basin No 1 - (contd)

					m	M			
<b>P3979-181</b> CN, G101, 1199-54	-- Ldg Lts 072-4°. Rear	40 17-75 N 122 05-48 E	F W		38	5	Red and white □ on black framework tower 34		
<b>P3979-188</b> CN, G101, 1199-76	-- Oil pier	40 17-94 N 122 05-13 E	F R		11	5	White GRP tower, red bands 8		
<b>P3979-19</b> CN, G101, 1199-51	-- Oil Dock	40 17-93 N 122 04-57 E	Fl(3)W 6s		21	5	White concrete column, red bands 14		
<b>P3979-192</b>	-- Oil Pier. W	40 17-94 N 122 04-41 E	Fl(4)W 6s		18	5	Green and white concrete structure 14		
<b>P3979-196</b> CN, G101, 1199-715	- Outer Breakwater. N Pier. Head	40 17-92 N 122 02-22 E	LFI R 6s		14	5	White concrete column, red bands 12	<i>fl 2</i>	
<b>P3979-2</b> CN, G101, 1199-2	- W Breakwater. Head	40 16-76 N 122 05-12 E	Q G		9	4	Green concrete pile 12		
<b>P3979-25</b> CN, G101, 1199-098	-- S Head	40 16-17 N 122 05-13 E	Fl(2)W 5s		12	7	Red and white GRP structure 10		
<b>P3979-44</b> CN, G101, 1199-0441	- Xianren Dao. N Breakwater Head	40 13-17 N 121 56-93 E	Oc R 6s		14	5	Red and white concrete column 12	<i>ec 2</i>	
<b>P3979-45</b> CN, G101, 1199-044	-- S Breakwater. Head	40 12-76 N 121 56-94 E	Oc G 6s		17	7	White concrete column, green bands 14	<i>ec 2</i>	
	----	..	Racon		..	..	..	ALRS Vol 2 Station 82192	
<b>P3979-5</b> CN, G101, 1199-042	-- Crude oil Pier. N	40 12-68 N 121 57-06 E	Fl(3)W 6s		20	5	White concrete column, blue stripes 14		
<b>P3979-52</b> CN, G101, 1199-043	--- S	40 12-44 N 121 57-20 E	Fl(3)W 6s		20	5	White concrete column, blue stripes 14		
<b>P3981</b> CN, G101, 1199-03	LIAODONG BANDAO - Taiping Jiao	40 01-66 N 121 49-62 E	Fl W 15s		36	20	White concrete tower 13		
<b>P3982</b> CN, G101, 1199-02	- Dagu Shan	39 51-60 N 121 32-42 E	Fl W 20s		79	20	Red and white concrete tower 19		
	-- Emergency light	..	Fl(3)W 20s		..	12			
<b>P3982-3</b> CN, G101, 1199-014	- Hongyanhe Nuclear Power Plant. Breakwater	39 47-46 N 121 28-25 E	Iso R 4s		13	8	Red and white column 8		
<b>P3982-31</b> CN, G101, 1199-0178	--- Head	39 47-75 N 121 28-21 E	Mo(C)Y 12s		10	6	Yellow × on yellow pile 6		
<b>P3982-32</b> CN, G101, 1199-018	-- Water-intake. Breakwater	39 48-57 N 121 28-38 E	Mo(C)Y 12s		10	6	Yellow × on yellow beacon 6		
<b>P3982-321</b> CN, G101, 1199-0181	--- N Breakwater. Head	39 48-70 N 121 28-60 E	Mo(C)Y 15s		10	6	Yellow × on yellow pile 6		

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<b>P3982-5</b> CN, G101, 1199-003	LIAODONG BANDAO - Changxing Dao. Crude Oil Pier. E	39 35-84 N 121 16-72 E	Fl R 3s		14	6	White round concrete tower, black bands 7		
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LIAODONG BANDAO — Changxing Dao - (contd)

					m	M		
<b>P3982-6</b> CN, G101, 1199-0022	-- N Harbour. E Breakwater. Head	39 35-08 N 121 15-39 E	F R		21	6	White round concrete tower, red bands 15	
<b>P3982-7</b> CN, G101, 1199-0023	--- W Breakwater. Head	39 34-83 N 121 15-47 E	F G		21	6	White round concrete tower, green bands 15	
<b>P3982-8</b> CN, G101, 1199-0021	-- Hengli Pier	39 34-76 N 121 16-08 E	Iso W 6s		10	6	White pile, black bands 7	
<b>P3983</b> CN, G101, 1199	--	39 31-52 N 121 13-66 E	Fl W 25s		199	25	White round concrete tower 10	W354°-200°(206°)
	-- Reserve light	..	..		..	10		
<b>P3983-2</b> CN, G101, 1198-8	-- N Breakwater. Head	39 28-45 N 121 15-38 E	Iso R 6s		17	6	White concrete column 12	

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<b>P3983-4</b> CN, G101, 1190	LIAODONG BANDAO - Palundian Gang. Ldg Lts 036°15'. Front	39 23-49 N 121 44-30 E	F G		11	6	Stone structure 8	
<b>P3983-41</b> CN, G101, 1191	--- Rear. 0-95M from front	39 24-25 N 121 45-04 E	F G		31	6	Stone structure 10	
<b>P3983-5</b> CN, G101, 1183	-- Ldg Lts 063°25'. Front. Anzi Shan	39 18-28 N 121 39-68 E	Q W 1s		43	6	Stone structure 8	<i>fl 0-4</i>
<b>P3983-51</b> CN, G101, 1184	--- Rear. 930m from front. Chang Daozi	39 18-50 N 121 40-26 E	Iso W 6s		59	6	Stone structure 9	
<b>P3983-6</b> CN, G101, 1179	-- Ldg Lts 080°38'. Front. Houtan Zui	39 16-37 N 121 35-50 E	Q W 1s		17	4	Stone structure 6	<i>fl 0-3</i>
<b>P3983-61</b> CN, G101, 1180	--- Rear. 1-5M from front	39 16-63 N 121 37-40 E	Iso W 10s		46	4	Stone structure 8	
<b>P3983-7</b> CN, G101, 1187	-- Ldg Lts 230°37'. Front. Houtan Zui	39 16-23 N 121 35-48 E	Q R 1s		39	4	Stone structure 8	<i>fl 0-4</i>
<b>P3983-71</b> CN, G101, 1188	--- Rear. 0-74M from front. Kong Tuozi	39 15-76 N 121 34-75 E	Iso R 6s		62	4	Stone Structure 9	

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<b>P3984</b> CN, G101, 1177	LIAODONG BANDAO - She Dao (Xiaolongshan Dao)	38 57-23 N 120 58-36 E	Fl W 5s		69	15	White round concrete tower 9	W342°-227°(245°)
<b>P3984-5</b> CN, G101, 1176	- Lushun Xingang. Inner Breakwater. W. Head	38 48-55 N 121 07-67 E	F R					
<b>P3984-6</b> CN, G101, 1176-1	--- E. Head	38 48-48 N 121 07-77 E	F G					
<b>P3984-69</b> CN, G101, 1176-109	-- Outer Breakwater. E. Head	38 47-71 N 121 07-35 E	Iso G 6s		23	6	White concrete column 12	
<b>P3984-7</b> CN, G101, 1176-11	--- W. Head	38 47-92 N 121 07-07 E	Iso W 6s		23	12	White concrete column, red bands 6	

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<b>P3985</b> CN, G101, 1143	LIAODONG BANDAO - Laopian Dao	38 47-66 N 121 35-68 E	Fl W 4s		88	9	White round concrete tower 8	<i>fl 0-4</i>
	--	..	Racon		..	..	..	ALRS Vol 2 Station 82215

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LIAODONG BANDA O - (contd)									
				m	M				
<b>P3986</b> CN, G101, 1175	- Laotieshan Xijiao. SW slope	38 43-64 N 121 08-09 E	Fl(2)W 30s	100	25	White round metal tower 14	<i>fl 1, ec 6, fl 1, ec 22.</i> W282°-178°(256°)		
	--- Emergency light	..	Fl W 4s	..	10				
	---	..	Racon	..	..		ALRS Vol 2 Station 82210		
<b>P3988</b> CN, G101, 1139	- Laohutan Wan. Breakwater	38 52-34 N 121 40-70 E	Fl G 4s	14	3	Framework tower 9	Fishing		
LIAODONG BANDA O. DALIAN GANG. DALIAN WAN (TA'LIEN WÄN)									
<b>P4010</b> CN, G101, 1098	- Huangbai Zui	38 54-25 N 121 42-95 E	Al WR 10s	95	W20 R10	White round concrete tower 16	WR121°-007°(246°)		
	-- Emergency light	..	Fl W 6s	..	10				
<b>P4012</b> CN, G101, 1100-1	-	38 54-92 N 121 42-16 E	F G	..	3	White dolphin			
<b>P4018-4</b> CN, G101, 1104-4	- Siergou. Fuel Supply Resilient. No 1	38 55-97 N 121 40-19 E	Fl G 4s	..	..	Green Δ on green beacon			
<b>P4018-5</b> CN, G101, 1104-5	--- No 2	38 55-91 N 121 40-08 E	Fl(2)G 6s	..	..	Green Δ on green beacon			
<b>P4018-6</b> CN, G101, 1104-6	-- Fuel Supply Pier	38 55-91 N 121 40-23 E	F G	19	7	Grey metal framework tower 14			
<b>P4020</b> CN, G101, 1106	- Dagang. E Entrance. S Head	38 56-13 N 121 40-09 E	Iso R 12s	11	6	Round stone tower 13			
<b>P4022</b> CN, G101, 1105	--- N Head	38 56-30 N 121 40-24 E	Iso W 12s	13	5	Round stone pile 12			
<b>P4026</b> CN, G101, 1107	-- N Entrance. N Breakwater. E Head	38 56-69 N 121 38-80 E	F R	19	6	White round concrete pile 19			
<b>P4028</b> CN, G101, 1108	--- W Head	38 56-66 N 121 38-72 E	F R	20	6	White square concrete pile 19			
<b>P4034</b> CN, G101, 1112	- Heizuizi. E Breakwater. E End	38 56-38 N 121 37-86 E	Fl W 3s	9	4	White round concrete beacon 8	<i>fl 0-3</i>		
<b>P4034-2</b> CN, G101, 1114	-- N Entrance. E Side	38 56-15 N 121 37-19 E	Fl R 4s	6	3	Red square concrete pillar 7	<i>fl 0-3</i>		
<b>P4042-8</b> CN, G101, 1131-1	- Jingu. Pier. Head	38 57-32 N 121 37-64 E	F R	12					
<b>P4043</b> CN, G101, 1124-1	- Hangsan. E Jetty	38 57-55 N 121 38-04 E	F W	13	5	White round metal pile			
<b>P4043-8</b> CN, G101, 1131	- Ganjingzi. Wharf. W End	38 57-48 N 121 37-61 E	F G	11					
<b>P4043-83</b> CN, G101, 1129	-- Dahua Pier	38 57-43 N 121 37-81 E	F R	14	6	White square concrete pillar			
<b>P4044</b> CN, G101, 1124	- Ganjingzi Oil Wharf. E Breakwater. Head	38 57-48 N 121 38-59 E	F G	13	6	White square metal framework tower 12			
<b>P4044-5</b>	--	38 57-99 N 121 38-88 E	F R	23					
<b>P4044-55</b>	--	38 57-96 N 121 38-96 E	F R	18					
<b>P4045</b> CN, G101, 1122	-- W Jetty	38 58-13 N 121 39-15 E	F R	15	6	White round metal dolphin 11			
<b>P4045-2</b>	--- Head	38 57-95 N 121 39-33 E	F R						

North Pacific Ocean — Yellow Sea — China

LIAODONG BANDA O. DALIAN GANG. DALIAN WAN (TA'LIEN WÄN) — Ganjingzi Oil Wharf - (contd)									
				m	M				
<b>P4045-22</b> CN, G101, 1122-05	--	38 58-03 N 121 39-69 E	Iso W 4s	17	8	White GRP tower black bands 10			
<b>P4045-225</b>	- Liushutun Qu. Ship Breakwater	39 00-30 N 121 39-71 E	F G	12	5	White round pillar 6			
<b>P4045-23</b> CN, G101, 1094-5	- Liáohaixun. Breakwater. Head	39 00-52 N 121 40-43 E	Iso W 4s	12	8	Black and white GRP column 10			
<b>P4045-24</b> CN, G101, 1094-05	- Zhongyuan Chuanwu. W Breakwater. S	39 00-03 N 121 41-43 E	Fl W 5s	15	10	White metal column, black bands 10			
<b>P4045-25</b> CN, G102, 1094-04	--- N	39 00-11 N 121 41-69 E	Fl R 3s	17	10	White metal column, red bands 12			
<b>P4045-3</b> CN, G102, 1094-03	-- E Breakwater. S	39 00-07 N 121 41-88 E	Fl G 3s	17	10	White metal column 12			
<b>P4045-4</b> CN, G101, 1094-1	- Hongniangzi Jiao. Fishing Harbour. S Entrance	39 00-49 N 121 42-26 E	Fl R 4s	14	4	Red metal dolphin on concrete base	Fishing		
<b>P4045-41</b> CN, G101, 1094-2	----	39 00-45 N 121 42-29 E	Fl(2)G 6s	14	4	Metal tower, concrete base	Fishing		
<b>P4045-42</b> CN, G101, 1094-3	--- W Entrance	39 00-69 N 121 41-89 E	Fl W 4s	14	4	Red metal tower, concrete base	Fishing		
<b>P4047-2</b> CN, G101, 1087-24	- Heshang Dao. Coal Pier	39 01-11 N 121 44-89 E	F G	7	6	White concrete column 6			
<b>P4047-3</b> CN, G101, 1087-2	-- Breakwater. Head	39 00-91 N 121 45-12 E	F R	7	6	White concrete column 6			
<b>P4047-6</b> CN, G101, 1087-3	-- General Cargo Pier. Breakwater. Head	39 00-58 N 121 45-46 E	Iso R 6s	16	8	Red and white GRP column 10			
<b>P4053</b> CN, G101, 1086-69	- Beiliang Gang. Refined Oil Product Pier. Breakwater. Head	38 58-72 N 121 47-78 E	Fl(2)W 10s	17	8	White GRP tower black bands 10			
<b>P4053-2</b> CN, G101, 1086-71	-- Grain Pier	38 58-66 N 121 48-28 E	F R	9	7	White GRP tower, red bands 6			
<b>P4056</b> CN, G101, 1086-7	-- Breakwater. Head	38 58-32 N 121 48-14 E	F G	30	10	White GRP tower, red bands 20			
LIAODONG BANDA O. DALIAN GANG									
<b>P4058</b> CN, G103, 1097	- Dasanshan Dao. S End. Yamen Zui	38 51-86 N 121 49-54 E	Fl W 10s	81	23	White round stone tower 12	<i>fl 1.</i> W248°-158°(270°)		
	--- Reserve light	..	..	..	10				
	----	..	Siren(4) 30s	..	..				<i>(bl 5, si 2) x 2, bl 2, si 2, bl 2, si 10</i>
<b>P4058-2</b> CN, G101, 1086-691	- Dagushan Wan. Dayang Jetty	38 57-89 N 121 49-66 E	Iso R 4s	13	8	White pillar, red bands 8			
<b>P4058-3</b> CN, G101, 1086-59	- Yishengdahua. Breakwater. Head	38 56-85 N 121 50-67 E	F W	16	6	White column 10			
<b>P4058-36</b> CN, G101, 1086-606	-- Berth No 5	38 56-73 N 121 51-15 E	Iso R 4s	14	8	White column, red bands 8			
<b>P4058-4</b> CN, G101, 1086-605	- Fujiadahua Chemical Industry Pier. Head	38 56-49 N 121 51-32 E	Iso G 4s	16	7	White pillar, black bands 10			

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LIAODONG BANDAO. DALIAN GANG - (contd)

				m	M		
<b>P4058-5</b> CN, G101, 1086-6	- Jiucaituozhi	38 56-82 N 121 51-75 E	FI(2)W 6s	18	7	White round concrete tower 8	<i>fl 0-3, ec 1, fl 0-3, ec 4-4</i>
<b>P4059</b> CN, G103, 1086	- Shatuozhi	38 58-06 N 121 54-29 E	FI W 6s	37	18	White round concrete tower 37	<i>fl 1</i>
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82250
<b>P4059-03</b> CN, G101, 1085-505	-- Breakwater. Head	38 58-25 N 121 54-82 E	FI R 3s	14	7	Yellow pile 10	
<b>P4059-05</b> CN, G101, 1086-005	- Crude Oil Terminal. Berth No 22	38 58-02 N 121 54-72 E	Iso W 6s	20	6	White column, black bands 10	
<b>P4059-1</b> CN, G101, 1086-01	-- W Jetty Head	38 57-65 N 121 54-20 E	Q(3)W 10s	18	6	White metal tower, green stripes 10	
<b>P4059-12</b> CN, G101, 1086-011	- LNG Pier. No 10	38 57-49 N 121 53-29 E	Iso G 8s	16	8	Green pole 8	
<b>P4059-13</b> CN, G101, 1086-012	-- No 1	38 57-35 N 121 53-05 E	Iso R 8s	16	8	Red Pole 8	
<b>P4059-15</b> CN, G101, 1086-02	- Mineral Pier. Breakwater Head	38 56-99 N 121 52-56 E	F G	18	6	White GRP tower, blue stripes 10	
<b>P4059-18</b> CN, G101, 1086-04	- Bulk Cargo Pier. Head	38 56-83 N 121 52-27 E	F R	15	8	White metal tower, red bands 10	
<b>P4059-19</b> CN, G101, 1086-603	- Fujiadahua Matou. E	38 56-57 N 121 51-89 E	Iso G 4s	17	5	Green GRP column 10	
<b>P4059-191</b> CN, G101, 1086-604	-- W	38 56-49 N 121 51-66 E	Iso R 4s	17	5	Red GRP column 10	
<b>P4059-2</b> CN, G101, 1084-1	- Oil Pier. Head	38 58-97 N 121 53-88 E	F R	12	8		
<b>P4059-3</b> CN, G101, 1084	- Dalian Oil Terminal. Oil Wharf. Jetty	38 58-56 N 121 54-26 E	F G	16	2.5	White triangular framework structure 17	
<b>P4059-4</b> CN, G101, 1083-5	-- Xingang Oil Pier. Head	38 58-52 N 121 53-95 E	Iso W 8s	22	8	White metal tower, red bands 12	
<b>P4059-5</b> CN, G101, 1085	-- Oil Wharf. Service Boat Pier	38 58-31 N 121 53-84 E	F R	11	8	White round concrete tower 10	
<b>P4059-55</b> CN, G101, 1085-5	-- Zhongran Jetty	38 58-33 N 121 54-06 E	Iso R 4s	16	8	White column, red bands 12	
<b>P4060</b> CN, G101, 1080	- Nansanliangche Jiao	38 57-84 N 121 59-24 E	FI W 5s	26	15	White concrete column, red bands 16	<i>fl 0-5</i>
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82270
LIAODONG BANDAO. BOHAI HAIXIA. LAOTIESHAN SHUIDAO							
<b>P4062</b> CN, G101, 1145	- Yu Yan	38 34-34 N 121 38-48 E	FI W 4s	20	14	White round concrete tower 16	<i>fl 0-8</i>
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82220
LIAODONG BANDAO. DALIAN GANG. OUTER APPROACHES							
<b>P4064</b> CN, G101, 1096	- Yuan Dao	38 40-41 N 122 09-85 E	FI W 15s	66	20	White round concrete tower 20	<i>fl 1</i>
	-- Emergency light	..	FI W 5s	..	10		
	--	..	Racon	..	..	..	ALRS Vol 2 Station 82280

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LIAODONG BANDAO. DALIAN GANG

				m	M		
<b>P4065</b> CN, G101, 1072	- Nandaquan	39 01-12 N 121 54-88 E	FI(2)W 10s	57	20	White square concrete tower 22	
<b>P4065-3</b> CN, G101, 1072-4	- Dayao Wan. N Entrance. N	39 00-72 N 121 54-62 E	Iso G 6s	20	12	White concrete column, black bands 20	
<b>P4065-4</b> CN, G101, 1072-8	--- S	39 00-50 N 121 54-48 E	Iso R 6s	20	10	White concrete column 20	
<b>P4065-5</b> CN, G101, 1072-9	-- S Entrance. N	39 00-19 N 121 54-29 E	FI G 5s	20	10	White round concrete tower 20	
<b>P4066</b> CN, G101, 1073	--- S	39 00-09 N 121 54-04 E	F R	27	12	Round concrete pile, red and white stripes 22	
<b>P4066-2</b> CN, G101, 1078-45	-- Wharf	39 00-53 N 121 52-43 E	Iso R 4s	15	8	White tower, red bands 10	
LIAODONG BANDAO. CHANGSHAN QUNDAO							
<b>P4066-3</b> CN, G101, 1062	- Lichangshan Hulu Dao	39 12-04 N 122 17-82 E	FI W 4s	71	9	White round concrete tower 8	<i>fl 0-5</i>
<b>P4066-4</b> CN, G101, 1059	- Dachangshan Dao. Jiebatuozhi	39 15-02 N 122 34-96 E	FI(2)W 6s	73	7	White round concrete tower 7	<i>fl 0-5, ec 1, fl 0-5, ec 4</i>
<b>P4066-42</b> CN, G101, 1057	-- Shuangshi Jiao	39 15-30 N 122 35-55 E	FI R 4s	17	8	Red □ on red and black dolphin 12	<i>fl 0-5</i>
<b>P4066-43</b> CN, G101, 1058	-- Huangshijiang	39 15-58 N 122 35-42 E	FI W 3s	7	7	White metal column 10	<i>fl 0-5</i>
LIAODONG BANDAO. CHANGSHAN QUNDAO. WAICHANGSHAN LIEDAO							
<b>P4066-435</b> CN, G101, 1067-131	- Zhangzi Dao. Jia Jiao	39 02-81 N 122 43-19 E	Iso W 4s	14	7	White concrete column 10	
	---	..	Racon	..	..	..	ALRS Vol 2 Station 82286
<b>P4066-44</b> CN, G101, 1067-14	-- Shabao Gang. General Cargo Pier. Matou	39 02-42 N 122 43-50 E	LFI G 6s	10	7	Green column 8	<i>fl 2</i>
<b>P4066-445</b> CN, G101, 1067-12	-- Fishing Harbour. E Breakwater	39 01-51 N 122 45-13 E	FI(2)R 6s	8	2.5	Red body on concrete base	Fishing
<b>P4066-446</b> CN, G101, 1067-13	--- W Breakwater	39 01-53 N 122 45-04 E	FI G 4s	8	2.5	Green body on concrete base	Fishing
<b>P4066-45</b> CN, G101, 1067	--	39 00-76 N 122 45-27 E	FI W 5s	145	12	White round concrete tower 12	<i>fl 0-5</i>
<b>P4066-46</b> CN, G101, 1066-6	- Dahaozi Dao Matou	39 03-23 N 122 49-30 E	FI W 4s	10	7	White column, red bands 8	<i>fl 1</i>
<b>P4066-465</b> CN, G101, 1066-8	- Xiaohaozi Dao. Matou	39 03-88 N 122 51-52 E	FI R 4s	8	7	Red column 6	<i>fl 1</i>
<b>P4066-47</b> CN, G101, 1066-4	- Xidalian Dao. Nanyang Matou	39 04-27 N 122 47-69 E	Iso W 5s	10	7	White column, red bands 8	
<b>P4066-475</b> CN, G101, 1066-3	- Dongdalian Dao. Beiyang Matou	39 04-67 N 122 47-66 E	Iso R 5s	10	7	Red column 8	
<b>P4066-48</b> CN, G101, 1066	- E Dalian Dao	39 04-82 N 122 48-21 E	FI W 4s	43	6	White round concrete tower 10	<i>fl 0-5</i>



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LIAODONG BANDAO. CHANGSHAN QUNDAO. WAICHANGSHAN LIEDAO - (contd)									
				m	M				
<b>P4066-5</b> CN, G101, 1065	- Haiyang Dao. Badouyinzi	39 04-15 N 123 09-00 E	Fl W 5s	61	12	White round concrete tower 13			
---	---	---	Siren 80s Racon	..	..	..	bl 40 ALRS Vol 2 Station 82285		
<b>P4066-52</b> CN, G101, 1064	-- Longkou	39 04-30 N 123 09-70 E	Fl R 3s	10	7	White beacon, red bands 8	fl 0-5		
<b>P4066-55</b> CN, G101, 1063	--	39 05-26 N 123 08-42 E	Fl W 6s	50	6	White round concrete tower 8	fl 0-5. W015°-240°(225°)		
LIAODONG BANDAO. CHANGSHAN QUNDAO									
<b>P4067</b> CN, G101, 1061	- Guanglu Dao. Guanglu Shan	39 09-99 N 122 25-48 E	Fl W 6s	89	11	White round concrete tower 10	fl 0-5		
<b>P4067-3</b> CN, G101, 1061-01	-- Liutiao Gang. Breakwater	39 09-95 N 122 22-22 E	Iso W 5s	11	7	White column, red bands 8			
LIAODONG BANDAO									
<b>P4067-4</b> CN, G101, 1061-12	- Pikou Gang. Bulk Cargo. Pier	39 21-90 N 122 21-29 E	Iso R 5s	12	7	Red column 8			
<b>P4067-41</b> CN, G101, 1061-3	- Pikou Gang Passenger Ro-Ro Pier	39 21-97 N 122 21-48 E	Dir WRG	12	7	White column, red bands 8	F G295-6°-297-6°(2°). F W297-6°-300-1°(2.5°). F R300-1°-302-1°(2°)		
<b>P4067-5</b> CN, G101, 1061-1	- Pikouda Jiao	39 19-91 N 122 22-65 E	Fl W 12s	22	15	White round concrete tower 12			
LIAODONG BANDAO. CHANGSHAN QUNDAO									
<b>P4067-7</b> CN, G101, 1060-9	- Duoluomu Gang. Breakwater	39 13-01 N 122 23-65 E	Fl W 10s	11	7	White column, red bands 8	fl 1		
<b>P4067-74</b> CN, G101, 1060-87	- Guapi Dao. Matou	39 13-90 N 122 25-16 E	LFl R 6s	10	7	Red column 8	fl 2		
<b>P4067-8</b> CN, G101, 1060-7	- Gexian Dao. Breakwater	39 15-79 N 122 26-53 E	Fl W 4s	10	7	White column, red bands 8	fl 1		
<b>P4067-9</b> CN, G101, 1060-8	- Liutiao Gang. Breakwater	39 14-17 N 122 32-61 E	Fl R 6s	10	7	Red column 8	fl 1-5		
<b>P4067-95</b> CN, G101, 1059-5	- Saili Dao Matou	39 13-24 N 122 35-78 E	Fl W 3s	10	7	White column, red bands 8	fl 1		
<b>P4068</b> CN, G101, 1060	- Dachangshan Dao. Xicaotuozi	39 17-98 N 122 29-50 E	Fl W 6s	25	9	White round concrete tower 10	fl 1		
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<b>P4068-05</b> CN, G101, 1059-9	-- Yuanyang Gang. N Breakwater	39 18-02 N 122 30-36 E	Fl W 5s	10	7	White column, red bands 8	fl 1		
<b>P4068-07</b> CN, G101, 1059-6	-- Yuanyangtuozi	39 18-30 N 122 30-27 E	F R	17	9	White column, red bands 6			
<b>P4068-08</b> CN, G101, 1055-9	-- Jinpen Gang. Breakwater	39 15-32 N 122 39-51 E	Fl G 6s	10	7	Green column 8	fl 1		
<b>P4068-085</b> CN, G101, 1056	-- Daijiao Tou	39 15-31 N 122 37-88 E	VQ(6)+LFl W 10s	4	3	∇ on black concrete tower, yellow top 4			

North Pacific Ocean — Yellow Sea — China

LIAODONG BANDAO. CHANGSHAN QUNDAO - (contd)									
				m	M				
<b>P4068-088</b> CN, G101, 1055-841-1055-862	- Changshan Bridge. No 11, No 12	39 14-87 N 122 39-76 E	F G	..	..	Green ^ v on white □	Two way navigable span . Bridge piers marked by Q Y lights		
---	-- No 6, No 17	..	F G	..	..	Green ^ on white □	One way navigable span		
---	-- No 13, No 14	..	Q G	..	..	Green △	Marks starboard side of navigable span		
---	-- No 9, No 10	..	Q R	..	..	Red □	Marks port side of navigable span		
---	-- No 1, No 2, No 5, No 18, No 21, No 22	..	F R	..	..	Red x on yellow □	Sailing under these spans is prohibited		
<b>P4068-09</b> CN, G101, 1055-7	- Xiaochangshan Dao. Xigou Matou	39 14-48 N 122 39-95 E	LFl W 6s	10	7	White column, red bands 8	fl 2		
<b>P4068-092</b> CN, G101, 1055-72	-- Xijia Jiao	39 14-40 N 122 37-87 E	Iso W 5s	28	7	White concrete column 8			
<b>P4068-093</b> CN, G101, 1055	-- Xida Wan	39 13-70 N 122 40-42 E	Fl WG 4s	40	W 9 G 4	White 4-sided stone tower 4	fl 0-5. W030°-011°(341°), G011°-030°(19°)		
<b>P4068-095</b> CN, G101, 1054-8	-- Xiwanmiaodi Matou	39 13-78 N 122 40-67 E	Iso R 4s	10	7	Red column 8			
<b>P4068-097</b> CN, G101, 1055-74	-- SW. Dahama Jiao	39 13-03 N 122 37-27 E	Fl(3)W 6s	16	7	White concrete column, red bands 6			
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<b>P4068-1</b> CN, G101, 1054	- Dachangshan Dao. Jiaoliu Dao	39 16-55 N 122 42-79 E	Fl R 6s	25	10	White square tower 8	fl 0-5		
---	---	---	Racon	..	..	..	ALRS Vol 2 Station 82283		
<b>P4068-2</b> CN, G101, 1053	- Xiaochangshan Dao. Yingda Tuozi	39 15-15 N 122 43-93 E	Fl W 4s	44	7	White round concrete tower 7	fl 0-5		
<b>P4070</b> CN, G101, 1052	-- Luoquan Jiao	39 13-59 N 122 48-30 E	Fl(2)W 10s	54	12	White round concrete column 10	fl 0-5, ec 1, fl 0-5, ec 8		
<b>P4071</b> CN, G101, 1051-5	- Wumang Dao. Breakwater	39 15-49 N 122 59-39 E	Iso R 5s	17	7	White column, red bands 6			
LIAODONG BANDAO. CHANGSHAN QUNDAO. SHICHENG LIEDAO									
<b>P4075</b> CN, G101, 1051	- Dawangjia Dao	39 25-65 N 123 04-81 E	Fl W 10s	108	25	White round concrete tower 10	fl 1		
---	-- Reserve light	..	Fl W 10s	..	5	..	Used when Dandong Port is frozen		
<b>P4075-1</b> CN, G101, 1050-8	- Dawangjia Dao Houtan. Roll-on-roll-off Ferry Pier	39 27-01 N 123 04-50 E	LFl R 5s	10	7	Red column 8	fl 2		
<b>P4075-2</b> CN, G101, 1050-6	- Shoulong Dao. Matou	39 30-03 N 123 03-69 E	LFl G 5s	10	7	White column, red bands 8	fl 2		
<b>P4075-4</b> CN, G101, 1050-55	- Shicheng Dao. N Spit. Matou	39 33-79 N 122 58-34 E	Iso R 2s	11	7	White column, red bands 8			
LIAODONG BANDAO									
<b>P4075-5</b> CN, G101, 1050-41	- Zhuanghe Gang. Breakwater	39 35-69 N 122 57-95 E	F R	8	8	Red metal beacon 6			
<b>P4075-7</b> CN, G101, 1040-3	- Huangquan. Ldg Lts 342-5°. Front	39 39-87 N 123 12-49 E	F R	35	10	Silver metal column 29			
<b>P4075-71</b> CN, G101, 1040-32	--- Rear. 0-67M from front	39 40-51 N 123 12-23 E	F R	57	10	Silver metal column 54			
<b>P4075-8</b> CN, G101, 1040-28	-- Pier	39 39-40 N 123 12-77 E	Iso W 6s	18	8	White metal column, red bands 10			
<b>P4076</b> CN, G101, 1030	- Dalu Dao. Dengta Shan	39 44-87 N 123 45-24 E	Fl W 5s	79	17	White metal tower, red bands 8			

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<b>P4600-5</b> TW., 32500	Nan-jen-yu Pi. Fishing Harbour	22 05-24 N 120 53-48 E	Fl R 3s	m	M	
<b>P4601</b> TW., 32490	Kang-k'ou Wan	21 58-47 N 120 50-68 E	Fl G 4s	11		

North Pacific Ocean — Taiwan Strait — Taiwan

<b>P4602</b> TW., 32470	<b>O-luan Pi</b>	21 54-10 N 120 51-16 E	Fl W 10s	54	27	White round metal tower, with gallery 21 <i>fl 1.</i> W234°-099°(225°). Obscured 234°-266°(32°) Within 15M
<b>P4602-2</b> TW., 32460	- Fishing Harbour	21 54-28 N 120 50-87 E	F R			

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<b>P4602-8</b> TW., 32480	Kang-k'ou Wan	21 56-16 N 120 52-13 E	Fl R 4s			
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<b>P4603-04</b> TW., 32410	Houbihu Fishery Harbour	21 56-59 N 120 44-73 E	Fl(3)G 10s	..	..	White concrete post
<b>P4603-06</b> TW., 32420	-	21 56-61 N 120 44-77 E	Fl R 4s	..	..	White concrete post
<b>P4603-2</b> TW., 32450	Ta-pan-le Mao-ti. K'en-ting NW	21 57-04 N 120 46-60 E	Fl R 4s			
<b>P4603-4</b> TW., 32430	- Hou-Pi Hu. SE	21 56-37 N 120 45-17 E	Fl R 4s	..	..	Green column
<b>P4603-5</b> TW., 32440	---	21 56-23 N 120 45-19 E	Fl R 4s	..	..	Red column
<b>P4604</b> TW., 32370	Mao-pi T'ou. Northward	21 58-30 N 120 42-95 E	Fl R 4s			
<b>P4605</b> TW., 32330	Hai-k'ou Wan. Hai-k'ou. N Breakwater	22 05-55 N 120 42-85 E	Fl G 4s	..	..	Green round concrete tower
<b>P4605-2</b> TW., 32340	- - S Breakwater	22 05-54 N 120 42-76 E	Fl R 4s	..	..	Red round concrete tower 6
<b>P4605-4</b>	- - N	22 08-14 N 120 42-03 E	F W			
<b>P4605-5</b>	---	22 08-21 N 120 41-98 E	F W			
<b>P4605-6</b> TW., 32300	Feng-Kang	22 11-24 N 120 41-30 E	Fl R 4s			

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<b>P4605-8</b> TW., 40010	Ta-wu Yu-kang	22 20-16 N 120 53-82 E	Fl R 3s	8	10	.. <b>TE 2014</b>
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North Pacific Ocean — Taiwan Strait — Taiwan

<b>P4606</b> TW., 32170	Fang-liao. Fishing Harbour. Jetty. Head	22 21-78 N 120 35-48 E	F W	16	10	Red concrete tower 14
<b>P4606-1</b> TW., 32180	--	22 21-73 N 120 35-68 E	F W	21	..	White concrete tower 21
<b>P4606-2</b> TW., 32140	Lin-pien Hsi. Entrance	22 24-91 N 120 30-65 E	Fl Y 4s	5	..	Yellow x on yellow beacon 4 <b>TE 2013</b>
<b>P4606-21</b>	- Jetty. Head	22 24-97 N 120 30-84 E	Fl G 4s	..	..	Fishing. <b>TE 2010</b>
<b>P4606-22</b> TW., 32150	---	22 25-02 N 120 30-85 E	Fl R 4s	3	..	Red column 2 Fishing. <b>TE 2012</b>

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TUNG-KANG PO-TI

<b>P4606-28</b> TW., 32110	- Tung-kang. W Jetty. Head	22 26-84 N 120 27-09 E	Fl R 4s	m	M	.. x on beacon 7 <b>TE 2013</b>
<b>P4606-29</b> TW., 32120	-- E Jetty. Head	22 26-76 N 120 27-15 E	Fl W 4s	7	..	x on beacon 7 <b>TE 2013</b>
<b>P4607-1</b> TW., 32090	- Tung-kang Hsi. S Breakwater	22 27-84 N 120 26-14 E	Fl R 3s	9	10	9
<b>P4608</b> TW., 32080	---	22 27-85 N 120 26-12 E	Fl W 3s	9	10	9
<b>P4608-2</b> TW., 32060	-- S Inner Breakwater	22 27-90 N 120 26-24 E	F Y	9	10	Green concrete tower 9
<b>P4608-4</b>	--	22 28-06 N 120 26-07 E	Fl(3)W 10s	..	..	.. <b>TE 2013</b>
<b>P4608-6</b> TW., 32020	- Yen-p'u Yü-Kang. S Breakwater. Head	22 28-16 N 120 25-93 E	Fl R 4s	11	5	Red column 9
<b>P4608-61</b> TW., 32010	- - N Breakwater. Head	22 28-24 N 120 25-98 E	Fl G 4s	9	5	green column 9
<b>P4608-62</b> TW., 32040	- - Inner Harbour. S Breakwater. Head	22 28-16 N 120 26-09 E	Fl(2)R 4s	7	5	red column 7 Fishing
<b>P4608-63</b> TW., 32030	--- N Breakwater. Head	22 28-19 N 120 26-05 E	Fl(2)G 4s	7	5	Green column 7 Fishing
<b>P4609</b> TW., 31995	- Kao-ping Hsi. Entrance. Jetty. Head	22 28-64 N 120 25-06 E	Fl(3)G 10s	6	10	Green concrete tower 5 Fishing
<b>P4609-1</b> TW., 31990	-----	22 28-69 N 120 25-07 E	Fl(3)R 10s	6	10	Red concrete tower 5 Fishing
<b>P4609-15</b> TW., 31975	- Shan-wei. E Jetty. Head	22 28-60 N 120 23-97 E	Fl R 3s	5	10	Red concrete tower 5 Fishing
<b>P4609-2</b> TW., 31980	----	22 28-68 N 120 23-95 E	Fl R 3s	5	10	Red concrete tower 5 Fishing
<b>P4609-21</b>	- - W Jetty. Head	22 28-69 N 120 23-79 E	Fl G 3s	..	..	.. Fishing
<b>P4609-22</b> TW., 31970	- - Jetty. Head	22 28-74 N 120 23-92 E	Fl G 3s	5	10	Green concrete tower 5 Fishing
<b>P4610</b> TW., 31950	Ta-lin-pu	22 30-43 N 120 21-29 E	Fl R 3s	4	8-9	Red pile 2 Fishing
<b>P4610-1</b> TW., 31945	-	22 30-51 N 120 21-36 E	Fl R 3s	4	8-9	Green pile 2 Fishing
<b>P4611</b> TW., 32190	LIU-CHIU YÜ - NE Coast. Jetty. Head	22 21-26 N 120 23-03 E	Fl G 4s	7	10	Green structure 6 Fishing
<b>P4611-2</b> TW., 32200	----	22 21-22 N 120 23-00 E	Fl R 4s	8	3-3	Red column 7 Fishing
<b>P4611-65</b> TW., 32250	- SE Coast. S Jetty. Head	22 20-05 N 120 22-62 E	Fl G 4s	9	10	Grey structure 6 Fishing
<b>P4611-66</b> TW., 32240	- - N Jetty. Head	22 20-10 N 120 22-56 E	Fl(3)R 10s	9	10	Grey Structure 6 Fishing
<b>P4612</b> TW., 32260	- SE Peak	22 19-74 N 120 21-99 E	LFl W 8s	87	14	White round concrete tower 12 <i>fl 2.</i> W226°-217°(351°)
<b>P4612-2</b> TW., 32270	- W Coast	22 20-43 N 120 21-72 E	Fl G 4s	4	10	Green structure 3 Fishing
<b>P4612-22</b> TW., 32280	--	22 20-38 N 120 21-70 E	Fl R 4s	4	10	Red structure 3 Fishing

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KAO-HSIUNG CHIANG

				m	M		
<b>P4618</b> TW., 31340	- Ch'i-hou Shan	22 36-91 N 120 15-90 E	Fl(4)W 30s	56	25	White 8-sided brick tower 15	(fl 0-4, ec 4-6) x 3, fl 0-4, ec 14-6, 320°-158°(198°). Traffic Signals
<b>P4620</b> TW., 31320	- First Entrance. N Breakwater. Head	22 37-26 N 120 15-41 E	Iso G 4s	13	16	Green round concrete column 14	
	----	..	Racon	..	..	..	ALRS Vol 2 Station 80830
<b>P4621</b> TW., 36300	-- S Breakwater. Head	22 37-06 N 120 15-37 E	Fl R 6s	13	12	Red round concrete column 14	fl 0-8
<b>P4621-5</b> TW., 31400	-- Dock No 142. Ldg Lts. Front	22 36-78 N 120 16-42 E	Q R	..	3		
<b>P4621-51</b> TW., 31410	---- Rear	22 36-73 N 120 16-50 E	Fl R 4s	4	3	Black ♂ on black beacon, red band 1	
<b>P4621-52</b> TW., 36370	-- Container Terminal No 1	22 36-64 N 120 17-02 E	Q R	27	3	White column 25	TE 2012
<b>P4622</b> TW., 31350	- Narrows. N Side	22 37-03 N 120 15-97 E	FG	11	5	Black ♂ on black beacon, red band 5	
<b>P4622-2</b> TW., 31360	---	22 37-02 N 120 15-98 E	2 F G(vert)	5	5	Black ♂ on black beacon, red band 5	
<b>P4623</b> TW., 31370	-- S Side	22 36-97 N 120 15-89 E	FR	7	5	5	
<b>P4623-2</b> TW., 31390	---	22 36-95 N 120 15-95 E	2 F R(vert)	7	5	Black ♂ on black beacon, red band 5	
<b>P4623-4</b> TW., 31380	---	22 36-96 N 120 15-92 E	FRG	7	5	Black ♂ on black beacon, red band 5	
<b>P4623-5</b> TW., 31430	- Timber Ponds. Jetty. Head	22 35-94 N 120 17-04 E	Fl R 4s	5	8-9	Red column 5	
<b>P4623-51</b> TW., 31440	----	22 35-90 N 120 17-07 E	Fl G 4s	5	8-9	Green column 5	
<b>P4623-52</b> TW., 31450	----	22 35-76 N 120 17-16 E	FR	6	..	Red column 5	TE 2010
<b>P4623-53</b> TW., 31460	----	22 35-72 N 120 17-18 E	FG	6	..	.. 5	TE 2012
<b>P4623-54</b> TW., 31470	----	22 35-62 N 120 17-25 E	FR	5	..	Red column 5	TE 2010
<b>P4623-57</b> TW., 31510	----	22 35-29 N 120 17-46 E	Fl R 3s	4	..	round column 4	
<b>P4623-58</b> TW., 31520	----	22 35-27 N 120 17-47 E	Fl G 3s	4	8-5	Grey structure 4	
<b>P4623-71</b> TW., 31660	- Fishing Harbour. Entrance. NW Side	22 34-21 N 120 18-64 E	Fl G 4s	3	5	Green structure 3	
<b>P4623-72</b> TW., 31670	--- SE Side	22 34-16 N 120 18-67 E	Fl R 4s	3	5	red structure 3	
<b>P4624-4</b> TW., 31700	- Second Entrance. N Breakwater. Head	22 33-07 N 120 18-05 E	Fl(3)G 10s	16	15	Green square concrete tower 13	(fl 1, ec 1) x 2, fl 1, ec 5
	----	..	Racon	..	..	..	ALRS Vol 2 Station 80820
<b>P4624-42</b> TW., 31710	-- S Breakwater. Head	22 32-86 N 120 17-93 E	Fl R 4s	16	14	Red square concrete tower 13	fl 0-5. Ra refl

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KAO-HSIUNG CHIANG - (contd)

				m	M		
<b>P4624-45</b> TW., 31790	- Inner Harbour Entrance. N	22 33-22 N 120 18-89 E	2 F G(vert)	12	6-5	Black ♂ on black beacon, red band 13	Moved 8m N (T) 2010
<b>P4624-46</b> TW., 31800	---	22 33-22 N 120 18-95 E	2 F G(vert)	12	6-5	Black ♂ on black beacon, red band 13	Moved 4m N (T) 2010
<b>P4624-47</b> TW., 36550	---	22 33-25 N 120 18-99 E	2 F G(vert)	13	6-5	Black ♂ on black beacon, red band	TE 2010
<b>P4624-48</b> TW., 31760	-- S	22 33-08 N 120 19-03 E	2 F R(vert)	12	6-5	Black ♂ on black beacon, red band 13	TE 2012
<b>P4624-49</b> TW., 31770	---	22 33-08 N 120 19-07 E	2 F R(vert)	12	6-5	Black ♂ on black beacon, red band 13	
<b>P4624-495</b> TW., 31780	- Inner harbour Entrance. S	22 33-08 N 120 19-10 E	2 F R(vert)	12	6-5	Black ♂ on black beacon, red band 13	
<b>P4624-5</b> TW., 31860	- Second Entrance. Ldg Lts 079°30'. Front. No 2 Harbour	22 33-29 N 120 19-77 E	FRG(vert)	38	5	△ on beacon 37	May be difficult to identify against background lights. TE 2012
<b>P4624-51</b> TW., 36560	--- Rear. 490m from front	22 33-34 N 120 20-05 E	FRG(vert)	48	5	▽ on beacon 37	May be difficult to identify against background lights. TE 2012
<b>P4625</b>	TSO-YING - N Breakwater. Head	22 41-86 N 120 15-35 E	Fl W 6s	18	9		
<b>P4625-2</b>	- S Breakwater. Head	22 41-84 N 120 15-05 E	Fl R 4s	18	6		
<b>P4625-4</b>	- Spur. Head	22 41-60 N 120 15-20 E	Fl R 5s	14	5		
<b>P4626</b>	- Ldg Lts 103°48'. Front	22 41-50 N 120 16-00 E	FR	18	8		
<b>P4626-1</b>	-- Rear. 570m from front	22 41-40 N 120 16-40 E	FG	32	3		
<b>P4626-13</b> TW., 31290	Ho-Tzu-Liao. South Breakwater. Central Rescue Shelter	22 42-78 N 120 15-32 E	QR	8	4	red round column 8	
<b>P4626-2</b> TW., 31270	- N Breakwater. Head	22 43-54 N 120 14-97 E	Fl G 5s	10	3	Green 4-sided concrete post 10	
<b>P4626-25</b> TW., 31275	- S Breakwater. Head	22 43-44 N 120 14-98 E	Fl R 4s	10	3	Red column 10	
<b>P4626-29</b> TW., 31265	Nan-liao Fish Harbour. S Breakwater	22 45-65 N 120 13-80 E	Fl R 4s				
<b>P4626-295</b> TW., 31260	- N Breakwater	22 45-70 N 120 13-87 E	Fl G 4s				
<b>P4626-3</b> TW., 31195	YUNG-AN LNG PORT - Tug Berth	22 48-43 N 120 12-25 E	Fl W 5s	20	17	White round concrete tower 20	fl 0-5
<b>P4626-4</b> TW., 31185	- S Breakwater. Head	22 49-19 N 120 11-41 E	Fl R 4s	26	8-8	Red 8 sided concrete tower 21	fl 0-5
<b>P4626-41</b> TW., 31190	--	22 49-05 N 120 11-43 E	F Y	20	17	White concrete tower 20	
<b>P4626-43</b> TW., 31180	- N Breakwater	22 49-12 N 120 11-81 E	Fl G 4s	25	9	Green 8-sided concrete tower 21	Partially obscured

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YUNG-AN LNG PORT - (contd)

					m	M		
<b>P4626-46</b> TW., 31220	- Terminal. Fish Harbour. S Breakwater	22 49-16 N 120 12-40 E	Fl R 4s	22	5.5	Red concrete tower 15		
<b>P4626-48</b> TW., 31215	- - - N Breakwater	22 49-14 N 120 12-35 E	Fl G 4s	22	5.5	Green concrete tower 15		
<b>P4626-5</b> TW., 31245	- Unloading platform	22 48-56 N 120 11-85 E	Mo(U)W 12s	12	7.6	Metal pole on control tower		
	--	..	Horn 20s	..	..	..		<i>bl 4</i>
<b>P4626-52</b> TW., 31200	--	22 48-62 N 120 11-83 E	Mo(U)W 12s	10	6	Dolphin 6		
<b>P4626-54</b> TW., 36180	--	22 48-43 N 120 11-90 E	Mo(U)W 12s	12	6	Dolphin		
<b>P4626-56</b> TW., 36170	--	22 48-41 N 120 11-92 E	Mo(U)W 12s	12	6	Dolphin		
<b>P4626-9</b> TW., 31100	Hsing-ta Kang. South Harbour. Breakwater. Elbow	22 50-54 N 120 10-61 E	Q Y 1s	..	9.4			
<b>P4626-92</b> TW., 31095	- - - Head	22 50-76 N 120 10-53 E	Q Y 1s	..	9.4			
<b>P4627</b> TW., 31060	- Power Station	22 51-30 N 120 11-81 E	Aero Fl R 2.5s	246	..	Red chimney, white bands		<b>Obstruction</b>
	--	..	By day Aero Fl W 2s	246				
<b>P4627-1</b> TW., 31055	--	22 51-41 N 120 11-78 E	Aero Fl R 2.5s	246	..	Red chimney, white bands		<b>Obstruction</b>
	--	..	By day Aero Fl W 2s	246				
<b>P4627-2</b> TW., 31045	-	22 51-47 N 120 11-37 E	Fl Y 4s	9	..	Round concrete tower 8		
<b>P4627-4</b> TW., 31010	- S Breakwater. Head	22 51-65 N 120 11-37 E	Fl R 5s	9	..	Red round tower 6		
<b>P4627-45</b> TW., 31015	- N Breakwater. Head	22 51-81 N 120 11-40 E	Fl G 4s	11	..	Green round tower 6		
	AN-P'ING							
<b>P4628</b> TW., 30210	- N of Entrance	22 59-47 N 120 08-81 E	Fl(3)W 20s	21	15	White metal framework tower 22		W305°-145°(200°)
<b>P4628-1</b> TW., 30500	- N Entrance. N Breakwater. Head	22 59-12 N 120 08-68 E	Fl G 4s	12	12	Concrete column 10		
<b>P4628-15</b> TW., 30510	- - S Breakwater. Head	22 59-02 N 120 08-66 E	Fl R 4s	12	12	Concrete column 10		
<b>P4628-2</b> TW., 30270	- Harbour. NE Beacon	22 59-02 N 120 08-95 E	Fl Y 4s	..	..	Grey concrete column		<i>fl 0.5.</i> Marks NE limit of An-p'ing Harbour
<b>P4628-5</b>	- N of Entrance. Meteorological mast	22 58-02 N 120 08-52 E	Fl(12)W 60s	..	..	Mast		
<b>P4629</b> TW., 30240	- New Harbour. N Inner Breakwater. Head	22 58-01 N 120 09-33 E	Fl W 4s	14	8.1	White metal post 13		<i>fl 1.5</i>
<b>P4629-2</b> TW., 30250	- - S Inner Breakwater. Head	22 57-86 N 120 09-42 E	Fl R 6s	14	8.1	Red metal post 13		<i>fl 1.5</i>
<b>P4629-21</b> TW., 30260	- Harbour. SE Beacon	22 57-21 N 120 10-30 E	Fl Y 4s	..	..	Grey concrete column		<i>fl 0.5.</i> Marks SE limit of An-p'ing Harbour
<b>P4629-23</b> TW., 30230	- New Harbour. S Outer Breakwater. Head	22 57-64 N 120 08-94 E	Iso R 3s	21	13	Red 8-sided concrete tower 23		
<b>P4629-24</b> TW., 30220	- - N Outer Breakwater. Head	22 57-76 N 120 08-85 E	Iso G 3s	22	17	Green round concrete column 23		

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AN-P'ING — New Harbour - (contd)

						m	M	
<b>P4629-25</b> TW., 30300	- - Commercial Port. Entrance. W End	22 58-25 N 120 09-79 E	FG	14	5.7	Green and white metal post 10		
<b>P4629-26</b> TW., 30310	- - - - Middle	22 58-28 N 120 09-85 E	FG	14	5.7	Green and white metal post 10		<b>TE 2012</b>
<b>P4629-27</b> TW., 30320	- - - - E End	22 58-32 N 120 09-91 E	FG	14	5.7	Green and white metal post 10		
<b>P4629-3</b> TW., 30330	- - - - W End	22 58-16 N 120 09-85 E	FR	14	5.7	Red and white metal post 10		
<b>P4629-35</b> TW., 30340	- - - - Middle	22 58-21 N 120 09-92 E	FR	14	5.7	Red and white metal post 10		
<b>P4629-355</b> TW., 30350	- - - - E End	22 58-23 N 120 10-00 E	FR	14	5.7	Red and white metal post 10		
<b>P4629-8</b>	- Kuang Yuan. Wreck	23 00-14 N 120 04-61 E	Fl W 4s	..	5	On bow of wreck		
	- - -	..	Fl W 4s	..	5	On bridge of wreck		
<b>P4629-9</b> TW., 30190	Ts'eng-wen Hsi	23 02-54 N 120 04-09 E	Fl R 4s					
<b>P4629-92</b> TW., 30200	-	23 02-74 N 120 04-47 E	Iso R 4s	..	..	Chimney		
<b>P4630</b> TW., 30180	<b>Ting-tou-a shan</b>	23 06-02 N 120 02-17 E	Fl(2)W 15s	32	17	White metal framework tower, black bands 33		<i>fl 1.5, ec 3, fl 1.5, ec 9</i>
<b>P4630-2</b> TW., 30170	-	23 07-05 N 120 02-94 E	Fl R 4s	..	..	Red column		
<b>P4630-51</b> TW., 30120	Chiang-chun Yü Kang. Southward	23 10-98 N 120 03-91 E	Fl(2)R 6s	..	..	Red concrete tower 9		
<b>P4630-52</b> TW., 30110	-	23 11-07 N 120 03-94 E	Fl G 4s	..	..	Green concrete tower 9		
<b>P4630-61</b> TW., 30080	-	23 12-71 N 120 04-44 E	Fl R 4s	..	..	Red concrete tower 3		
<b>P4630-62</b> TW., 30070	-	23 12-79 N 120 04-46 E	Fl G 4s	..	..	Green concrete tower 9		
<b>P4630-7</b> TW., 30150	Ting-tou-a shan. North-westward	23 08-64 N 120 05-25 E	FR					
<b>P4631</b> TW., 30020	Chiang-chun Yü Kang. Northward	23 14-39 N 120 04-79 E	Fl G 4s					
<b>P4631-1</b> TW., 30010	-	23 14-39 N 120 05-00 E	Fl G 4s	..	..	Green round tower		
<b>P4631-2</b> TW., 30040	-	23 14-07 N 120 04-72 E	Fl R 4s					
<b>P4631-3</b> TW., 30030	-	23 14-09 N 120 05-13 E	Fl R 4s	..	..	Red round tower		
<b>P4631-5</b> TW., 23460	Pu-tai Commercial Port. Entrance. N Side	23 22-72 N 120 07-88 E	Fl G 4s	7	..	White concrete tower 7		
<b>P4631-7</b> TW., 35570	- - S Side	23 22-66 N 120 07-88 E	Fl R 4s	9	10	Red concrete tower 9		<i>fl 0.5</i>
<b>P4631-85</b> TW., 23420	- - Breakwater. Head	23 23-01 N 120 07-53 E	Fl Y 5s	3	..	yellow round column 3		

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P'ENG-HU CH'UN-TAO				m	M	
<b>P4640</b> TW., 51710	- Tung-chi Yü. Summit	23 15-57 N 119 40-18 E	LFI W 12s	66	21	White round concrete tower, black bands 24 <i>fl 2</i>
<b>P4642</b> TW., 51790	- Ch'i-mei Yü Kuo-lung-tzu	23 11-31 N 119 25-78 E	FI(2)W 10s	40	11	White round concrete tower 8 <i>fl 0-5, ec 1, fl 0-5, ec 8, 228°-158°(290°)</i>
<b>P4642-5</b> TW., 51770	- Ch'i-mei Island. Pi-tzu Wei	23 12-87 N 119 24-67 E	FI R 4s			
P'ENG-HU CH'UN-TAO. WANG-AN LIEH-TAO						
<b>P4644-2</b> TW., 51700	- Wang-an Island. SE	23 21-02 N 119 32-34 E	F Y	20	..	6
<b>P4644-3</b> TW., 51610	- Chiang-chun-ao Yü	23 21-88 N 119 33-14 E	FI R 4s	24	..	Red post 5
<b>P4644-6</b> TW., 51670	- Wang-an Island. SW	23 20-88 N 119 27-94 E	FI R 4s	20	..	black and yellow column 6
<b>P4644-7</b> TW., 51660	- Pie-wen	23 21-31 N 119 27-72 E	FI R 4s	20	..	black and yellow column 6
P'ENG-HU CH'UN-TAO						
<b>P4646</b> TW., 51570	- Hua Yü. W Side	23 24-01 N 119 19-11 E	FI W 5s	64	10	White round concrete tower 12 <i>fl 0-5</i>
<b>P4648</b> TW., 50520	- - Hsiao-men Yü	23 39-23 N 119 30-85 E	FI W 7s	45	..	5
P'ENG-HU CH'UN-TAO. P'ENG-HU TAO						
<b>P4650</b> TW., 51360	- Ch'a-mu Yü	23 32-11 N 119 43-49 E	FI W 6s	24	9	White 8-sided brick tower, black stripes 13 <i>fl 0-4, Ra refl</i>
P'ENG-HU CH'UN-TAO						
<b>P4652</b> TW., 51040	- Hsi Yü. Chih-Tzu Wei	23 33-75 N 119 28-13 E	LFI(2)W 30s	60	25	White round metal tower 11 <i>bl 3</i>
	- - -	..	Horn 30s	..	..	11
<b>P4654</b> TW., 50980	- P'eng-hu Kang. Hai-kan Yen	23 34-83 N 119 32-41 E	FI W 6s	8	6-2	White metal framework tower 8 <i>fl 0-6</i>
P'ENG-HU CH'UN-TAO. P'ENG-HU TAO						
<b>P4655</b> TW., 35050	- Ma-kung. Nei Kang	23 33-52 N 119 33-76 E	FI R 4s	4	2	Beacon
P'ENG-HU CH'UN-TAO						
<b>P4657</b> TW., 50190	- Hsien-Chiau Yü. 1-15M W	23 42-62 N 119 35-33 E	FI R 5s	24	..	black and yellow column 6
<b>P4657-1</b> TW., 50200	- Chin Yü	23 41-74 N 119 35-58 E	F R	26	..	red column 5
<b>P4657-2</b> TW., 50460	- Chung-t'un Yü. Northward	23 38-09 N 119 36-58 E	FI R 4s	45	..	black and yellow round concrete column 7
<b>P4657-3</b>	- -	23 37-21 N 119 36-76 E	FI R 4s			
P'ENG-HU CH'UN-TAO. P'ENG-HU TAO						
<b>P4657-4</b> TW., 50810	- Chung-t'un Yü. South-eastward	23 35-94 N 119 38-31 E	FI R 4s	26	..	4
P'ENG-HU CH'UN-TAO						
<b>P4657-5</b> TW., 50060	- Chi-pe Yü	23 44-24 N 119 35-83 E	Q R	31	..	red column 6

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P'ENG-HU CH'UN-TAO - (contd)				m	M	
<b>P4657-6</b> TW., 50240	- Ch'u-chao Yü	23 41-61 N 119 39-09 E	FI R 4s	21	..	black and white column 6
<b>P4657-62</b> TW., 50250	- Mao-ssu Yü	23 41-02 N 119 40-26 E	FI R 4s	19	..	black and yellow column 6
<b>P4657-64</b> TW., 50340	- Niao Yü	23 39-73 N 119 39-95 E	FI R 4s	48	..	white round column 6
<b>P4657-66</b> TW., 50320	- -	23 39-63 N 119 39-28 E	FI R 4s			
<b>P4657-68</b> TW., 50330	- -	23 39-45 N 119 39-28 E	FI R 4s	23	..	red column 4
<b>P4657-69</b> TW., 50380	- - Westward	23 39-07 N 119 37-94 E	FI R 4s	46	..	white round column 6
P'ENG-HU CH'UN-TAO. P'ENG-HU TAO						
<b>P4657-7</b>	- N Coast	23 36-00 N 119 40-27 E	FI W 4s			
<b>P4657-71</b> TW., 51010	- E Coast	23 34-59 N 119 40-94 E	FI R 5s	27	..	White column 6
<b>P4657-715</b> TW., 51060	- Li-cheng Chiao. Longmen Jianshan Fishing Harbour. W Outer Breakwater. Head	23 33-30 N 119 40-26 E	Oc G 5s	..	9	Green metal column 7 <i>ec 2, Occas</i>
	- - - - -	..	Racon	..	..	ALRS Vol 2 Station 80840
<b>P4657-72</b> TW., 51070	- - - W Inner Breakwater. Head	23 33-43 N 119 40-25 E	FI G 4s	10	9	Green metal column 4 <i>fl 1, Occas</i>
<b>P4657-725</b> TW., 51050	- - - E Breakwater. Head	23 33-49 N 119 40-32 E	Oc R 5s	10	9	Red metal post 6 <i>ec 2, Occas, LED</i>
<b>P4657-726</b> TW., 51150	- - - Entrance Channel. Ldg Lts. Front	23 33-58 N 119 40-33 E	F G	22	14	Grey metal post 20 <i>Occas, TE 2013</i>
<b>P4657-727</b> TW., 51160	- - - - Ldg Lts. Rear	23 33-72 N 119 40-34 E	F G	34	14	Grey metal post 32 <i>Occas</i>
<b>P4657-728</b> TW., 51170	- - - - Dir Lt	23 33-70 N 119 40-17 E	Dir F WRG	19	W6-1 R1-7 G1-7	Grey metal post 17 <i>Occas</i>
<b>P4657-73</b>	- - - Approaches. Hsiung-iu Yü	23 32-45 N 119 39-57 E	FI R 4s	22		
<b>P4657-735</b> TW., 51480	- S Coast	23 31-51 N 119 36-42 E	FI R 5s	5	..	red metal post 5 <i>fl 0-5</i>
<b>P4657-74</b> TW., 51460	- -	23 31-46 N 119 36-48 E	FI G 5s	4	..	Green metal post 3
<b>P4657-75</b> TW., 51540	- -	23 30-62 N 119 35-86 E	FI R 4s	..	..	red round column 7
<b>P4657-76</b> TW., 51530	- -	23 30-67 N 119 35-78 E	FI G 4s	..	..	Green round column 9
<b>P4657-8</b>	- Ma-kung Kang	23 32-92 N 119 33-73 E	FI R 4s			
<b>P4657-82</b>	- -	23 32-86 N 119 33-87 E	FI R 4s			
<b>P4658</b> TW., 50010	<b>Mu-tou Yü</b>	23 47-17 N 119 36-05 E	FI W 20s	49	27	White round metal tower, black bands 40 <i>fl 1-2</i>
<b>P4658-4</b> TW., 23010	Wai-shan-ting Chou. Wen-kan Tui	23 27-22 N 120 02-63 E	FI W 4s	14	11	Black 4-sided metal framework tower 16 <i>fl 0-6</i>
<b>P4658-6</b>	- Observation tower	23 26-55 N 120 01-69 E	FI R	..	..	Metal tower 60

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				m	M		
P4658-7	Tung-shih Kang	23 27-08 N 120 08-02 E	FR	14			
P4658-71	-	23 26-88 N 120 08-13 E	FW	12	..	White tower 12	
P4658-72	-	23 26-95 N 120 08-29 E	FW	13	..	green tower 8	
P4658-8	Po-tzu-liao. S Breakwater	23 36-94 N 120 07-97 E	Fl R 4s	29	..	column 4	
P4658-82	- N Breakwater	23 37-17 N 120 08-00 E	Fl Y 4s	28	..	white tower 7	
P4658-84	-	23 37-30 N 120 08-51 E	FR	..	..	column	
P4659-1	San-t'iao-lun Yü kang	23 39-48 N 120 08-71 E	Fl R 4s	7	..	Red column 9	
P4659-11	-	23 39-57 N 120 08-76 E	Fl W 4s	9	..	Green beacon 9	
P4659-2	T'ai-hsi Yü-kang	23 42-23 N 120 10-28 E	Fl G 4s	29	..	White tower 9	
P4659-4	-	23 42-27 N 120 10-26 E	Fl R 4s	20	..	White tower 9	
P4659-41	Mai-liao Kang	23 45-63 N 120 09-14 E	Fl R 4s	..	..	Red column	Signal station
P4659-412	- W Breakwater	23 46-85 N 120 09-06 E	Fl G 3s	23	16	Green round concrete column 22	fl 1
	--	..	Racon	..	..	..	ALRS Vol 2 Station 80865
P4659-415	- S Breakwater. Head	23 46-79 N 120 09-66 E	Fl R 3s	22	13	Red 8-sided concrete tower 23	fl 1
	---	..	Racon	..	..	..	ALRS Vol 2 Station 80860
P4659-416	--	23 46-35 N 120 09-79 E	FR	11	10	Red round metal column	
P4659-42	Mai-Liao	23 46-30 N 120 10-21 E	Fl R 3s	6	4	Red column	
P4659-421	- N Side	23 46-33 N 120 10-25 E	Fl G 5s	6	4	Green column	
P4659-422	- No 9	23 46-63 N 120 10-23 E	Fl(3)R 15s	3	5-5	Red column	
P4659-423	- No 10	23 46-52 N 120 10-17 E	Fl(3)R 15s	3	5-5	Red column	
P4659-425	- Inner Harbour. No 1 Pier. Head	23 47-77 N 120 10-71 E	Fl(3)R 15s	3	5-5	Red column	
P4659-426	-- No 2 Pier. Head	23 47-78 N 120 10-68 E	Fl(3)W 15s	3	5-5	White column	TE 2014
P4659-427	Mai-Liao. Inner Harbour. S Breakwater. Head	23 46-95 N 120 09-77 E	Oc R 5s	11	8	Red column	
	----	..	QR				
P4659-428	-- N Breakwater	23 47-16 N 120 09-64 E	Oc G 5s	14	12	Green metal column 13	ec 2
	---	..	QG				
P4659-43	Mai-Liao. Inner Harbour. Ldg Lts 055°. Front	23 47-97 N 120 11-14 E	FG	35	12	Red and white column	
P4659-431	--- Rear	23 48-02 N 120 11-22 E	FG	41	12	Red and white column	

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				m	M		
	Mai-Liao - (contd)						
P4659-435	-	23 48-34 N 120 10-22 E	Fl G 4s	..	5-5	Green pile	
P4659-44	-	23 48-39 N 120 10-24 E	Fl R 4s	..	5-5	Red pile	
P4659-5	Wang-Kung. Yü-Kang. Fishing Harbour	23 58-30 N 120 19-42 E	Iso W 10s	34	17	White 8-sided concrete tower, black stripes 37	
	---	..	Racon	..	..	..	ALRS Vol 2 Station 80870
P4659-6	Lu-kang Po-ti	24 02-68 N 120 22-87 E	Fl R 4s	..	..	red tower	
P4659-65	-	24 05-06 N 120 22-26 E	Fl R 4s	..	..	red tower	
	TAI-CHUNG CHIANG						
P4659-7	- Tai-chung Power Station. S Training Wall. Head	24 12-94 N 120 27-66 E	Fl R 4s	11	..	Red concrete tower 3	
P4659-75	--- Centre	24 12-87 N 120 27-90 E	Fl R 4s	11	..	Red concrete tower 3	
P4659-8	-- N Training Wall. Head	24 12-99 N 120 27-68 E	Fl R 4s	11	..	Red concrete tower 3	TE 2015
P4660-15	- Tai chung Kan. No 1 Pier	24 17-28 N 120 31-39 E	Fl(3)W 30s	60	27	On roof of white concrete silo 63	
P4660-2	- N Groyne	24 18-77 N 120 31-19 E	Fl(3)W 10s	11	7	White round concrete tower, red bands 12	(fl 0-4, ec 0-9) x 2, fl 0-4, ec 7
P4660-3	-- Head	24 18-84 N 120 31-02 E	Fl R 5s	11	..	Red concrete spar 5	
P4660-4	- N Breakwater	24 17-98 N 120 29-19 E	Fl G 4s	20	17	Green round concrete tower 18	fl 0-8
	--	..	Racon	..	..	..	ALRS Vol 2 Station 80890
P4660-48	-- Elbow. Entrance Dir Lt 065°	24 17-69 N 120 29-91 E	Dir WRG	11	W14	Yellow 6-sided concrete tower G11 16	F R057.5°-062.5°(5°). F W062.5°-067.5°(5°). F G067.5°-072.5°(5°)
	--- Ldg Lts 065°. Front	..	F Y	11	11		
P4660-481	-- Ldg Lts 065°. Rear. 500m from front	24 17-80 N 120 30-18 E	F Y	37	11	Yellow metal tower 30	
P4660-5	-- Jetty	24 17-91 N 120 30-33 E	Fl R 5s	3	6	Red round concrete tower 8	fl 0-5. This light may be visible in the white sector of F4660-48. Mariners are advised to navigate with caution when approaching T'ai-chung
P4660-6	- S Breakwater	24 17-41 N 120 30-04 E	Fl R 2s	19	14	Red round concrete tower 20	
	--	..	Racon	..	5	..	ALRS Vol 2 Station 80900
P4660-61	- W Pier. Ldg Lts 021.5°. Front	24 15-09 N 120 29-61 E	FG	12	9	Green Δ on orange metal tower 10	
P4660-611	--- Rear. 116 metres from front	24 15-15 N 120 29-64 E	FG	23	9	Red ∇ on orange metal tower 14	
P4660-614	- Coal Wharf. Ldg Lts 231°30'. Front	24 14-16 N 120 29-02 E	FG	12	3	Green Δ on orange metal pillar 10	
P4660-615	--- Rear. 100m from front	24 14-13 N 120 28-97 E	FG	17	3	Red ∇ on orange metal pillar 14	

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TAI-CHUNG CHIANG - (contd)

				m	M		
P4660-617 TW., 20590	- Collier Channel. Ldg Lts 201°32'. Front	24 14-23 N 120 29-81 E	FG	38	9	Green Δ on orange metal tower 28	
P4660-618 TW., 20600	- - - Rear. 864m from front	24 13-79 N 120 29-62 E	FG	72	9-6	Orange metal chimney 68	
P4660-62 TW., 20650	- S Pier. Ldg Lts 051-5°. Front	24 15-23 N 120 30-48 E	FG	12	3	Green Δ on orange metal pillar 10	
P4660-621 TW., 20660	- - Ldg Lts 051°30'. Rear. 100m from front	24 15-27 N 120 30-53 E	FG	17	3	Red ∇ on orange metal pillar 14	
P4660-622 TW., 20495-3	- South Quay. W side Lts in line 208°. Front	24 13-32 N 120 28-84 E	FG	12	..	Yellow metal column 8	
P4660-623 TW., 20495-4	- - - Rear	24 13-30 N 120 28-83 E	FG	14	..	Orange tower 10	
P4660-624 TW., 20495-1	- - E side Lts in line 200°. Front	24 13-30 N 120 28-90 E	FG	12	..	Yellow metal column 8	
P4660-625 TW., 20495-2	- - - Rear	24 13-28 N 120 28-89 E	FG	14	..	Orange tower 10	TE 2015
P4660-63 TW., 20320	- China American Petrochemical Co Ltd	24 15-91 N 120 29-79 E	Aero FI W 1-5s	99	6	round column 95	
P4660-635 TW., 20330	- -	24 15-94 N 120 29-89 E	Aero FI W 1-5s	74	..	round column 70	
P4660-637 TW., 20340	- -	24 15-94 N 120 29-88 E	Aero FI W 1-5s	74	..	round column	
P4660-64 TW., 20190	- Fishing Harbour. Outer Breakwater	24 17-49 N 120 30-63 E	FI G 6s	7	8-2	Green round concrete column 7	fl 0-6
P4660-65 TW., 20350	- West Pier. Groyne	24 15-47 N 120 29-10 E	FI W 2s	12	..	red tower 10	TE 2015
P4660-66 TW., 20200	- Fishing Harbour. W Inner Breakwater. Head	24 17-51 N 120 30-75 E	FI G 4s	8	8-1	Green round concrete column 7	fl 0-5
P4660-67 TW., 20210	- - E Inner Breakwater. Head	24 17-48 N 120 30-84 E	FW	17	..	yellow tower 8	Fishing. TE 2012
P4660-675 TW., 20090 / 20670	- - Ldg Lts 021-53°. Front	24 17-36 N 120 31-14 E	FG	21	9	Green Δ on orange metal tower 18	
P4660-676 TW., 20680	- - - Rear. 601m from front	24 17-66 N 120 31-27 E	FG	41	9	Red ∇ on orange metal tower 28	
P4660-7 TW., 20220	- N Inner Breakwater	24 17-31 N 120 30-82 E	FI G 3s	11	10	red round concrete column 10	fl 0-5
P4660-8 TW., 20230	- S Inner Breakwater	24 17-10 N 120 30-71 E	FI R 3s	12	10	Red round concrete tower 11	fl 0-5
P4660-9 TW., 20240	- Shallow Water Craft Basin. W Breakwater. Head	24 17-31 N 120 30-82 E	FI G 4s	13	8-1	Green concrete tower 7	
P4660-92 TW., 20250	- - E Breakwater. Head	24 17-29 N 120 30-90 E	FI R 5s	6	8-1	Red round concrete column 7	fl 0-5
P4660-93 TW., 34510	- Harbour Craft Basin. W Breakwater. Head	24 17-22 N 120 31-05 E	FI G 4s	6	8-4	Green round concrete column 7	fl 1

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TAI-CHUNG CHIANG — Harbour Craft Basin - (contd)

				m	M		
P4660-932 TW., 20270	- - E Breakwater. Head	24 17-21 N 120 31-11 E	FR	13	8-1	red concrete column 7	
P4660-933 TW., 20355-2	- West Pier. N Dolphin	24 15-23 N 120 29-94 E	FI Y 4s	8	5	Yellow metal column 6	
P4660-934 TW., 20355-1	- - S Dolphin	24 15-03 N 120 29-85 E	FI Y 4s	8	5	Yellow metal column 6	
P4660-94 TW., 20140	- N Pier. Main Channel. Ldg Lts 114-25°. Front	24 16-95 N 120 31-42 E	Dir WRG	43	17	Yellow Δ on red and white square metal tower 42	FR103°-112°(9°). F W112°-116-5°(4-5°). F G116-5°-121°(4-5°)
P4660-941 TW., 20150	- - - - Rear. 800m from front	24 16-78 N 120 31-85 E	FW	68	9-6	Yellow ∇ on red and white 4-sided metal tower 67	Strobe
P4660-945 TW., 20060	Ta-an Kang	24 22-32 N 120 34-78 E	FI R 4s	29	..		6
P4660-95 TW., 20030	Wu-chia Yü Kang. Fishing Harbour. S Mole	24 23-46 N 120 35-16 E	FI R 4s	28	..	8-sided tower 7	fl 1
P4660-952 TW., 20030	Ta-an Kang. Fishing Harbour. N Mole	24 23-51 N 120 35-14 E	FI G 4s	28	..	8-sided tower 7	fl 1
P4660-978 TW., 20010	Sung Pai. Yu Kang	24 25-97 N 120 36-72 E	FI(2)G 5s	31	..	Green round tower 9	fl 1, ec 0-5, fl 1, ec 2-5. Fishing
P4660-98 TW., 15320	Yüan-li yü kang. Fishing Harbour. N Mole	24 26-98 N 120 37-80 E	FI G 5s	28	..	green tower 6	
P4660-985 TW., 15340	- - S Mole	24 26-87 N 120 37-87 E	FI R 5s	27	..	Red column 6	
P4660-99 TW., 15290	Yuan-kang Yü kang	24 27-75 N 120 38-72 E	FI G 4s	28	..		6
P4660-991 TW., 15310	-	24 27-68 N 120 38-79 E	FI R 4s	28	..	Red tower 6	
P4660-993 TW., 15130	Tung-hsiao Yü kang. N Mole	24 29-98 N 120 40-15 E	FI G 5s	29	..	White round concrete tower 6	Fishing
P4660-994 TW., 15140	- S Mole	24 29-92 N 120 40-18 E	FI R 5s	32	..	Red column 6	Fishing
P4660-995 TW., 15120	Hsin-pu. Yu Kang	24 32-78 N 120 41-58 E	FI G 5s	27	..	round column 6	fl 1. Fishing
P4660-998 TW., 15100	Pai-sha-t'un	24 34-33 N 120 42-27 E	FI G 5s	28	..	round column 6	fl 1. Fishing
P4661 TW., 14120	Hakushaton	24 33-29 N 120 43-91 E	FR				
P4661-05 TW., 15030	Wai-pu Yü kang. Fishing Harbour. N Mole	24 39-38 N 120 46-03 E	FI G 4s	28	..	green tower 6	fl 1. Fishing
P4661-06 TW., 15040	- - S Mole	24 39-17 N 120 46-11 E	FI R 4s	29	..	red tower 6	fl 1. Fishing
P4661-2 TW., 15020	Hai-pu. Fishing Harbour. S Mole	24 42-06 N 120 51-26 E	FR	19	8-1	Red concrete column 6	Fishing
P4661-3 TW., 15010	- - N Mole	24 42-16 N 120 51-22 E	FI G 4s	16	6-9	Green concrete tower 6	
P4661-5 TW., 14120	Hsin-Chu	24 48-92 N 120 56-48 E	Aero AIFI WG 9-5s	..	15	..	W fl 1, ec 4, G fl 0-5, ec 4
P4661-6 TW., 14040	Hsin-Chu Yü kang. Fishing Harbour. S Breakwater	24 51-11 N 120 54-81 E	FI R 4s	13	4	Red round concrete tower 5	fl 0-5. TE 2010

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Hsin-Chu Yü kang. Fishing Harbour - (contd)

				m	M		
<b>P4661-7</b> TW., 34110	-- N Breakwater	24 51-24 N 120 54-78 E	Fl W 4s	13	4	White round concrete tower 6	<i>fl 0-5.</i> <b>TE 2012</b>
<b>P4661-79</b> TW., 14050	-- N Sand Protection Embankment. Front Post	24 51-42 N 120 54-86 E	Fl W 4s	9	4	White round concrete tower 7	<b>TE 2012</b>
<b>P4661-8</b> TW., 14010	-- N Breakwater. Front Post	24 51-32 N 120 54-67 E	Fl G 4s	25	16	White round concrete tower 8	
<b>P4661-81</b> TW., 14020	-- S Breakwater. Front Post	24 51-19 N 120 54-72 E	Fl R 4s	23	6-7	Red round concrete tower 8	
<b>P4661-82</b> TW., 14070	-- S Sand Protection Embankment. Post	24 50-98 N 120 54-71 E	Fl R 4s	9	4	Red round concrete tower 9	<b>TE 2012</b>
<b>P4661-87</b> TW., 13040	P'o-t ou Yu Kang	24 55-62 N 120 58-23 E	Fl R 4s	33	7-2	Green column 5	
<b>P4661-875</b> TW., 13020	-	24 55-64 N 120 58-24 E	Fl G 4s	28	7-2	Green column 5	
<b>P4661-88</b> TW., 13010	-	24 55-68 N 120 58-22 E	Fl G 4s	20	7-5	Green column 6	
<b>P4661-95</b> TW., 34090	Yong'an. Fishing Harbour. N Mole	24 59-41 N 121 00-59 E	Fl W 8s	..	..	..	<b>TE 2010</b>
<b>P4661-96</b> TW., 12240	-- S Mole	24 59-36 N 121 00-61 E	F Y	19	8-5	Red concrete tower 7	
<b>P4661-98</b> TW., 12180	Pai-sha Chia. Tao-yuan research centre	25 02-34 N 121 03-81 E	Fl R 5s	40	13	White metal and concrete tower on building 36	<i>fl 1-5.</i> R055°-235°(180°)
<b>P4662</b> TW., 12170	<b>Baisha Jai</b>	25 02-49 N 121 04-58 E	AlFl WR 20s	36	<b>W26</b> <b>R23</b>	White round brick tower 28	<i>W fl 0-2, ec 9-8, R fl 0-2, ec 9-8.</i> WR055°-235°(180°). Partially obscured 075°-078°(3°)
<b>P4662-3</b> TW., 12010	Nan-k'an Kang. E Jetty. Head	25 07-38 N 121 14-38 E	Fl G 4s	..	..	Green column 4	
<b>P4662-32</b> TW., 12020	- W Jetty. Head	25 07-24 N 121 14-36 E	Fl R 4s	..	..	Red round concrete tower 5	
<b>P4663</b> TW., 12090	<i>Sha Lung Oil Terminal. No 1</i>	25 08-89 N 121 11-92 E	Fl(4)W 15s	..	10	Platform 3	
<b>P4663-05</b> TW., 12100	- No 2	25 08-38 N 121 10-57 E	Fl(2)W 10s	..	10	Platform 5	
TAIPEI KANG (TAN-SHUI KANG)							
<b>P4663-2</b> TW., 10780	- Shoal Warning. LT7	25 08-83 N 121 19-78 E	Q(2)W 5s	17	10	Black metal post	<i>fl 0-4, ec 0-6, fl 0-4, ec 3-6</i>
<b>P4663-25</b> TW., 10860	- Hsia-ku-tzu	25 08-06 N 121 22-02 E	Iso W 3s	..	..	White column 43	
<b>P4663-26</b>	- S Breakwater. SW Side	25 08-34 N 121 21-97 E	Fl G 4s	4			
<b>P4663-27</b>	-- W Side	25 08-48 N 121 21-78 E	Fl Y 4s	5			
<b>P4663-3</b> TW., 10740	-- Head	25 09-00 N 121 21-66 E	Fl R 5s	18	15	Red round concrete tower 17	
	---	..	Fl R 4s	18	15		
<b>P4663-4</b> TW., 10750	- N Outer Breakwater. Head	25 09-31 N 121 21-51 E	Fl G 5s	16	12	Green round concrete tower 16	<i>fl 1</i>
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TAIPEI KANG (TAN-SHUI KANG) - (contd)

				m	M		
<b>P4663-5</b> TW., 10760	- Inner Harbour. N Outer Breakwater. SW Corner	25 09-39 N 121 22-30 E	Fl G 4s	9	10	Green metal post 7	
	---	..	Fl G 5s	9	10		
<b>P4663-65</b>	-- S Breakwater. NW Head	25 09-29 N 121 23-00 E	Fl R 4s	4			
<b>P4664</b> TW., 10640	- Entrance	25 10-64 N 121 25-23 E	LFl W 8s	34	17	White square metal tower 33	<i>fl 2</i>
<b>P4664-5</b> TW., 10710	- Pa-li. Ocean Outfall Pipeline	25 09-84 N 121 24-61 E	F R	..	19	White metal column 19	R135°-145°(10°)
<b>P4665</b> TW., 10660	- Small Craft Harbour. S	25 10-97 N 121 24-34 E	Fl R 4s	..	8	Red column 6	
<b>P4665-2</b> TW., 10650	-- N Side	25 10-98 N 121 24-35 E	Fl G 4s	..	8	Green tower 6	
<b>P4665-4</b> TW., 10680	-- Inner Entrance. S Side	25 10-99 N 121 24-50 E	Fl R 4s	..	8	Red column 6	<b>TE 2009</b>
<b>P4665-5</b> TW., 10670	--- N Side	25 11-03 N 121 24-51 E	Fl G 4s	..	8	White column 6	
TAN-SHUI CHIANG							
<b>P4666</b> TW., 10630	- Hsing-hua-tien. N	25 14-56 N 121 26-91 E	Fl G 4s	..	..	Green column 2	
<b>P4666-2</b> TW., 10620	- Lin-shan Pi. S	25 15-46 N 121 28-36 E	Fl G 4s	..	..	green column 2	
TAIPEI KANG (TAN-SHUI KANG)							
<b>P4666-5</b> TW., 10690	- Hui Wharf	25 10-22 N 121 26-33 E	F R	14	8-9	Red square metal framework 13	
<b>P4667</b> TW., 10600	Lin-shan Pi	25 17-06 N 121 30-59 E	Fl G 4s				
<b>P4667-1</b> TW., 10610	-	25 17-05 N 121 30-57 E	Fl R 4s				
<b>P4668</b> TW., 10580	Fu-kuei chao. Jetty. Head	25 17-55 N 121 31-99 E	Fl G 4s				

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<b>P4668-5</b> TW., 10590	Fu-kuei chao. Jetty. Head	25 17-51 N 121 32-01 E	Fl R 4s				
North Pacific Ocean — Taiwan Strait — Taiwan							
<b>P4670</b> TW., 33850	<b>Fugui Jiao</b>	25 17-95 N 121 32-21 E	Fl(2)W 15s	31	27	White 8-sided concrete tower, black bands 14	W069°-272°(203°)
	-	..	Horn 30s	..	..	..	<i>bl 3</i>

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<b>P4670-1</b> TW., 10550	Chien-tzu-lu Pi. Jetty. Head	25 17-76 N 121 33-92 E	Fl G 4s				
<b>P4670-15</b> TW., 10560	---	25 17-70 N 121 33-97 E	Fl R 4s				
<b>P4670-18</b>	A-li-pang. Eastward. Breakwater. Head	25 17-48 N 121 35-87 E	Fl Y 4s				
<b>P4670-2</b> TW., 10540	T'iao-shih. Jetty. Head	25 16-95 N 121 36-45 E	Fl R 4s				
<b>P4670-3</b> TW., 10510	Shih-tzu-t'ou Pi. Jetty. Head	25 14-00 N 121 38-80 E	Fl G 5s	9	3	Green column 7	
<b>P4670-31</b> TW., 10520	---	25 13-95 N 121 38-80 E	Fl R 5s	9	3	Red column 7	



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Shih-tzu-t'ou Pi. Jetty. Head - (contd)

CHI-LUNG KANG - (contd)

				m	M		
P4670-32 TW., 10490	---	25 13-50 N 121 39-10 E	Fl G 4s				
P4670-33 TW., 10500	---	25 13-50 N 121 39-05 E	Fl R 5s				
P4672 TW., 10460	Yeh-liu Pan-tao	25 12-82 N 121 41-86 E	LFl W 10s	99	17	White concrete column on tripod 11	fl 3
P4672-03	-	25 12-49 N 121 41-48 E	Fl G 8s				
P4672-05	- Jetty. Head	25 12-55 N 121 41-21 E	Fl R 4s				
P4672-1 TW., 10480	---	25 12-45 N 121 41-22 E	Fl R 4s				
P4672-11	---	25 12-38 N 121 41-30 E	Fl G 4s				
P4672-12 TW., 10470	---	25 12-49 N 121 41-32 E	Fl G 8s				
P4672-14 TW., 10440	---	25 12-26 N 121 41-63 E	Fl G 5s				
P4672-15 TW., 10430	---	25 11-68 N 121 41-36 E	Fl R 4s				
P4672-2 TW., 11160	Chi-Lung Tao	25 11-57 N 121 47-23 E	Fl W 5s	188	14	White 8-sided concrete tower, black stripes 12	fl 0-5
P4672-21 TW., 11170	-	25 11-40 N 121 47-13 E	Fl R 4s	5	3	Yellow column 3	
P4672-23 TW., 10410	Ta-wu-lun-ao. Jetty. Head	25 10-96 N 121 41-79 E	Fl G 4s	..	..	Green beacon 10	
P4672-24 TW., 10420	---	25 10-89 N 121 41-78 E	Fl R 4s	..	..	Red beacon 10	
P4672-26 TW., 11440	Ta-wu-lun. Ao-ti. N Jetty. Head	25 10-03 N 121 42-51 E	Fl R 4s				
P4672-28	-- S Jetty. Head	25 09-96 N 121 42-47 E	Fl G 4s				
P4672-4 TW., 11380	Shei-ho Power Plant	25 09-44 N 121 44-31 E	Aero Fl R 5s	196	12	Chimney 204	Obstruction
	-	..	Aero R(vert)	196	12	Concrete column 204	Shown below the main light
P4672-5 TW., 11390	-	25 09-38 N 121 44-38 E	Aero Fl R 2s	198	12	Chimney 204	Obstruction
	-	..	Aero R(vert)	198	12	.. 204	Shown below the main light
P4672-6 TW., 11400	-	25 09-37 N 121 44-41 E	Aero Fl R 4s	200	12	Chimney 204	Obstruction
P4673 TW., 11420	CHI-LUNG KANG - Waimushan. S Jetty	25 09-60 N 121 44-07 E	Fl R 4s	9	3	Red 6-sided concrete tower 8	
P4673-1 TW., 11430	-- N Jetty. E End	25 09-66 N 121 44-13 E	Fl R 4s	7	..	Red column 6	Fishing
P4673-2 TW., 11410	-	25 09-61 N 121 44-14 E	Fl G 4s	5	3	x on beacon 6	fl 0-5
P4674 TW., 11330	- Wan-jen-tui Pi	25 09-33 N 121 44-86 E	Mo(A)W 7s	39	16	White round brick tower 11	fl 0-5, ec 1-5, fl 1, ec 4. 151°-347°(196°)

				m	M		
P4675 TW., 11290	- E Breakwater. Head	25 09-56 N 121 45-32 E	Fl G 3s	15	9-5	Green 8-sided concrete column 11	fl 0-6
P4675-5 TW., 11280	- Outer Breakwater. Head	25 09-84 N 121 45-24 E	Fl G 4s	22	14	Green round concrete tower 17	fl 0-5
	---	..	Racon	..	..	..	ALRS Vol 2 Station 80730
P4676 TW., 11300	- W Breakwater. Head	25 09-51 N 121 45-16 E	Fl R 3s	15	8-2	Red 8-sided concrete tower 11	fl 0-6. Ra refl
P4676-6 TW., 37640	- E Inner Breakwater. Head	25 09-37 N 121 45-41 E	Fl G 6s	10	8-1	Green round concrete column 7	fl 0-5
P4677 TW., 11320	- W Inner Breakwater. Head	25 09-31 N 121 45-16 E	F R	29	8-1	Blue round concrete tower, broad top, red roof 26	
P4678 TW., 11200	- Pachihmen. Entrance. N Side	25 09-09 N 121 45-76 E	F G	6	8-7	Green concrete column 6	Fishing
P4679 TW., 37680	- An Lan. Breakwater. Head	25 08-76 N 121 45-43 E	Oc G 3s	10	8	Green round concrete column 7	
P4683 TW., 37660	- Pa-chih Men. E Breakwater Head	25 09-36 N 121 46-47 E	Iso G 4s	10	5	White round concrete column 7	
P4684 TW., 11060	Pa-tou-tzu Yü-Kang. W Breakwater. Head	25 08-90 N 121 47-39 E	Fl R 4s	12	9	red column 7	
P4685 TW., 11050	- E Breakwater. Head	25 08-89 N 121 47-46 E	Fl G 4s	12	9	Green tower 9	fl 1
P4686 TW., 11070	- Inner Breakwater. Head	25 08-81 N 121 47-48 E	Fl G 4s	8	3	Green column 6	
P4687 TW., 11100	---	25 08-76 N 121 47-44 E	Fl R 4s	9	3	Red column 6	
P4688 TW., 11090	- Quay	25 08-70 N 121 47-52 E	Fl R 4s	8	3	red column 6	Fishing
P4689 TW., 11140	- Jetty. Head	25 08-80 N 121 47-34 E	Fl R 4s	5	3	White column 3	
P4689-1 TW., 11130	Pi-sha Yü-Kang. Entrance. N Side	25 08-80 N 121 47-29 E	Fl R 4s	8	3	Red column 7	Fishing
P4689-12 TW., 11120	-- S Side	25 08-76 N 121 47-26 E	Fl G 4s	8	3	Green column 7	Fishing
P4689-2 TW., 11110	Pa-tou-tzu Yü-Kang. Jetty	25 08-74 N 121 47-39 E	Fl G 4s	7	3	White column 4	
P4689-6 TW., 11080	--	25 08-72 N 121 47-56 E	Fl G 4s	10	3	green column 8	Fishing
P4690 TW., 10020	Pengjia Yu	25 37-81 N 122 04-83 E	Fl W 15s	145	25	White round brick tower 26	Obscured by land 264°-316°(52°) within 2M
P4692-2 TW., 10270	SHEN-AO WAN. SHEN-AO OIL HARBOUR - Ldg Lts 228°. Front	25 07-46 N 121 49-20 E	F G	18	3	White column	TE 2012
P4692-21 TW., 10280	-- Rear	25 07-43 N 121 49-17 E	F G	21	3	White column 23	TE 2012
P4692-4 TW., 10260	- Ling Hsing. Mole	25 07-64 N 121 49-74 E	Oc G 11s	14	3	White beacon 8	

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SHEN-AO WAN								
			m	M				
<b>P4692-8</b> TW., 10290	- Shen'ao Fishery Harbour. N Breakwater. Head	25 07-92 N 121 49-43 E	FI R 4s	12	3	Red column 8		<b>TE 2014</b>
<b>P4692-81</b> TW., 10310	- - - Inner Arm. Head	25 07-90 N 121 49-38 E	FI R 4s	12	3	Red beacon 8		<b>TE 2014</b>
<b>P4692-82</b> TW., 10300	- - Inner Breakwater. Head	25 07-93 N 121 49-30 E	FI R 4s	11	3	Red beacon 9		
<b>P4692-83</b> TW., 10330	- - S Breakwater. Head	25 07-90 N 121 49-31 E	FI G 4s	12	3	Green beacon 8		
<b>P4692-84</b> TW., 11030	Changtanli Fishing Harbour. Entrance	25 08-46 N 121 48-27 E	FI G 4s	9	3	Green column 6		
<b>P4692-85</b> TW., 11040	- N Breakwater. Head	25 08-47 N 121 48-22 E	FI R 4s	9	3	Red column 6	Fishing	
<b>P4692-86</b> TW., 11010	Wanghaixiang Fishing Harbour. N Breakwater. Head	25 08-27 N 121 48-25 E	FI R 4s	8	3	Red column 6	Fishing	
<b>P4692-87</b> TW., 11020	- Jetty. Head	25 08-25 N 121 48-21 E	FI G 4s	8	3	Green column 7	Fishing	
<b>P4693</b> TW., 10200	<b>Pi-t'ou Chiao</b>	25 07-73 N 121 55-36 E	Oc W 11s	64	17	White round concrete tower 12	ec 5. W090°-325°(235°)	
<b>P4693-1</b>	-	25 06-90 N 122 02-49 E	FI W 5s	..	3	Platform		
<b>P4693-4</b> TW., 10160	Lung Tung. S Wave Defence Pier. No 1	25 05-85 N 121 55-12 E	FI W 4s	..	..	Pole		
<b>P4693-6</b> TW., 10170	- - No 2	25 05-86 N 121 55-14 E	FI R 4s	..	..	..		
<b>P4693-8</b> TW., 10150	Huo-yen Shan	25 04-16 N 121 55-49 E	FI R 4s	..	..	..	Fishing	
<b>P4693-81</b> TW., 10140	-	25 04-14 N 121 55-43 E	FI G 4s	..	..	..	Fishing	
<b>P4693-82</b> TW., 10120	Ta Chiao	25 03-55 N 121 55-85 E	FI R 4s	..	..	..	Fishing	
<b>P4693-825</b>	-	25 03-49 N 121 55-78 E	FI G 4s	..	..	..	Fishing	
<b>P4693-85</b> TW., 10080	Lao-lan Shan	25 01-30 N 121 56-99 E	FI R 4s	..	..	Red column 5	Fishing	
<b>P4693-855</b> TW., 10070	-	25 01-34 N 121 57-01 E	FI G 10s	..	..	white structure 7	Fishing	
<b>P4693-88</b> TW., 10050	Mao-ao	25 00-76 N 121 59-45 E	FI G 4s	..	..	white structure 7		
<b>P4693-9</b> TW., 10040	San-tiao Chiao	25 00-92 N 122 00-11 E	FI R 4s	..	..	Red column 5	Fishing	
<b>P4693-91</b> TW., 10030	-	25 00-90 N 122 00-16 E	FI G 4s	..	..	Green structure 5	Fishing	
<b>P4694</b> TW., 10010	<b>Sandiao Jiao</b>	25 00-54 N 122 00-10 E	FI(2)WR 28s	101	W24 R20	White round concrete tower 16	R011°-021°(10°), W021°-011°(350°)	

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<b>P4694-3</b> TW., 42490	San-tiao Chiao. South-westward	24 58-76 N 121 57-08 E	F	..	..	x on beacon 4		
<b>P4694-5</b>	Tzu-ts ai Ping	24 56-52 N 121 53-73 E	F R					
<b>P4695</b> TW., 42360	T'ou-ch'eng. Jetty. Head	24 52-05 N 121 50-72 E	FI(2)R 5s					

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T'ou-ch'eng - (contd)								
				m	M			
<b>P4695-1</b> TW., 42440	- Detached Breakwater. N Head	24 51-96 N 121 50-75 E	FI G 5s	11	8	Yellow column 12		
<b>P4695-12</b>	- - S Head	24 51-78 N 121 50-54 E	FI(2)Y 5s					
<b>P4697</b> TW., 42320	Kuei-shan Tao	24 50-69 N 121 56-36 E	Q(3)W 10s	12	9	..		(fl 0-5, ec 0-5) x 2, fl 0-5, ec 7-5
SU-AO KANG								
<b>P4700</b> TW., 42210	- <b>Bei Jiao</b>	24 36-00 N 121 53-08 E	FI WR 7s	55	W16 R12	White square concrete tower 8		fl 1. W164°-210°(46°), R210°-240°(30°), W240°-268°(28°), R268°-303°(35°), W303°-073°(130°) ALRS Vol 2 Station 80750
	- - close NNE	..	Racon	..	..	..		
<b>P4700-5</b> TW., 42130	- N Breakwater. S Head	24 35-73 N 121 52-92 E	Q(2)R 5s	20	10	Red round concrete tower 18		fl 0-5, ec 0-5, fl 0-5, ec 3-5
<b>P4700-6</b> TW., 42140	- S Breakwater. Head	24 35-59 N 121 52-85 E	FI(2)G 5s	20	11	Green round concrete tower 18		fl 0-5, ec 0-5, fl 0-5, ec 3-5
<b>P4701</b> TW., 42220	- Dir Lt 293-5°	24 36-27 N 121 51-38 E	Dir Oc WRG 3s	72	W12 R9-1 G8-9	White metal framework tower 6		ec 1. Oc R284°-292°(8°). Oc W292°-295°(3°). Oc G295°-309°(14°)
<b>P4701-15</b> TW., 42150	- Inner N Mole. Elbow	24 35-81 N 121 52-40 E	FI R 2-5s	20	8	Red 8-sided concrete column 19		
<b>P4701-18</b> TW., 42170	- - Head	24 35-91 N 121 52-32 E	Q R	4	8	3		
<b>P4701-19</b> TW., 37240	- Jetty. Head	24 36-01 N 121 52-25 E	Q R					
<b>P4701-2</b> TW., 42160	- Breakwater. N End	24 35-82 N 121 52-08 E	FI G 5s	13	11	Green concrete column 10		fl 1
<b>P4701-22</b> TW., 42100	- - S End	24 35-43 N 121 52-08 E	FI R 4s	4	8	Red pile 2		
<b>P4701-25</b> TW., 42180	- Training Wall. Head	24 35-92 N 121 51-61 E	FI R 4s	..	..	..		<b>TE 2012</b>
<b>P4701-26</b>	- - -	24 35-90 N 121 51-58 E	F R	4	6			
<b>P4701-4</b> TW., 42060	- Pi-tzu T'ou. Breakwater. NW Corner	24 35-31 N 121 52-17 E	FI Y 4s	4	6-8	Yellow pile 2		
<b>P4701-6</b>	- Jetty. Head	24 36-20 N 121 52-04 E	Q R					
<b>P4701-65</b>	- - -	24 36-22 N 121 52-05 E	Q R					
<b>P4701-68</b>	- - -	24 36-22 N 121 52-08 E	Q R					
SU-AO KANG. NAN-FANG WAN								
<b>P4701-7</b> TW., 42200	- Nan-fang-ao. Quay	24 35-16 N 121 52-00 E	FI R 4s	23	0-5	△ on beacon 23		
<b>P4702</b> TW., 42040	- - Training wall. W Side	24 35-08 N 121 52-15 E	F R	4	7-3	Red concrete column 5		
<b>P4703</b> TW., 42050	- - - E Side	24 35-10 N 121 52-18 E	F G	4	7-4	Green concrete column 5		

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HO-PING KANG				m	M		
<b>P4704</b> TW., 41230	- Main Channel. Ldg Lts 010°. Front	24 18-40 N 121 45-76 E	Dir WRG	21	<b>W16</b> <b>R16</b> <b>G16</b>	Red and white beacon 14	F R005°-007.5°(2.5°). AI RG007.5°-009.5°(2°). F G009.5°-010.5°(1°). AI GW010.5°-012.5°(2°). F W012.5°-015°(2.5°)
----	..	..	By day	..	W 2 R 2 14 G1-8		
<b>P4704-1</b> TW., 41230	- - - Rear	24 19-14 N 121 45-90 E	Q G	51	17	Red and white metal column 60	
<b>P4704-2</b> TW., 41250	- S Breakwater. Head	24 17-54 N 121 45-49 E	FI(2)G 8s	21	10	Green beacon 13	fl 0-5, ec 1, fl 0-5, ec 6
<b>P4704-22</b> TW., 41240	- N Breakwater. S Head	24 17-75 N 121 45-72 E	FI(2)R 8s	23	13	Red beacon 13	
<b>P4704-25</b> TW., 41270	- Inner S Breakwater. Head	24 17-98 N 121 45-59 E	FI G 4s	8	8	Green beacon 6	fl 0-5
<b>P4704-27</b> TW., 41260	- Inner N Breakwater. Head	24 17-97 N 121 45-74 E	FI R 4s	8	8	Red beacon 6	fl 0-5
<b>P4704-28</b> TW., 41290	- N1. Warning	24 18-03 N 121 45-79 E	FI Y 4s	0	2	Yellow structure 1	fl 0-5
<b>P4704-3</b> TW., 41280	- Pier. Head	24 17-74 N 121 45-38 E	FI R 4s	8	3	Yellow beacon 6	fl 0-5
<b>P4705</b> TW., 41140	<b>Qilai Bi</b>	24 00-96 N 121 38-63 E	Iso W 6s	31	17	White 5-sided concrete tower 13	W150°-024°(234°)
HUA-LIEN PO-TI							
<b>P4706</b> TW., 41050	- Hualien Gang	23 58-48 N 121 36-81 E	FI(3)G 12s	43	9-8	White square metal framework tower 28	(fl 1, ec 1) x 2, fl 1, ec 7. G232°-019°(147°)
<b>P4708</b> TW., 41120	- - Ldg Lts 023-5°. Front	23 59-73 N 121 38-28 E	F G	12	8-1	Red Δ on white concrete column 12	
<b>P4708-1</b> TW., 41130	- - - Rear. 600m from front	24 00-03 N 121 38-43 E	F R	23	8-1	White ▽ on red square concrete column 21	
<b>P4709</b> TW., 41060	- - E Breakwater	23 58-32 N 121 37-75 E	FI R 3s	11	8-1	Red round concrete column 11	fl 0-5
<b>P4709-1</b> TW., 41070	- - - Head	23 58-17 N 121 37-67 E	FI R 4s	22	11	Red round concrete tower 23	fl 1
<b>P4709-3</b> TW., 41080	- - W Breakwater. Head	23 58-41 N 121 37-60 E	FI G 3s	16	12	Green round concrete column 11	fl 0-5
----	..	..	Racon	..	..	..	ALRS Vol 2 Station 80770
<b>P4709-5</b> TW., 41090	- -	23 59-57 N 121 38-18 E	F G	2	2	2	
<b>P4710</b> TW., 41100	- - Boat Basin	23 59-88 N 121 38-28 E	FI R 4s	1	1-6	Red metal pole 2	TE 2012
<b>P4712</b> TW., 41040	Yen-Liao Yu-Kang. Fishing Harbour	23 50-00 N 121 35-00 E	FI R 4s				
<b>P4712-3</b>	Hsin-she	23 39-70 N 121 32-46 E	FI R 4s				
<b>P4712-5</b> TW., 41020	Shih-ti Yü Kang. Fishing Harbour. S Breakwater. Head	23 29-70 N 121 30-41 E	FI G 4s				
<b>P4713</b> TW., 41010	- -	23 29-48 N 121 30-53 E	F R				

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				m	M		
<b>P4713-2</b> TW., 40170	Ch'ang-pin. Yü Kang. E Breakwater	23 18-74 N 121 27-35 E	FI R 4s	..	..	..	Fishing
<b>P4713-3</b> TW., 40160	Wu-shih-pi. Yü Kang	23 13-66 N 121 25-04 E	FI G 4s	..	..	..	Fishing
<b>P4713-5</b> TW., 40150	Ch'eng-kuang-ao Po-ti. Hsiao-kang. E Breakwater. Head	23 09-44 N 121 24-36 E	FI R 4s	..	..	..	Fishing
<b>P4713-6</b> TW., 40140	- - W Breakwater. Head	23 09-53 N 121 24-20 E	FI G 4s	..	..	..	Fishing
<b>P4714</b> TW., 40130	San-hsien-tai	23 07-60 N 121 25-28 E	FI W 6s	59	9	White square concrete tower 7	fl 0-6. W137°-039°(262°)
<b>P4716</b> TW., 40100	Xingang Fishing Harbour. E Breakwater. Elbow	23 05-78 N 121 22-84 E	FI(2)W 6s	10	12	Red round concrete tower 10	fl 1, ec 1, fl 1, ec 3
<b>P4716-1</b> TW., 40090	- - Head	23 05-74 N 121 22-80 E	FI R 4s	10	12	Red round concrete tower 10	Fishing
<b>P4716-2</b> TW., 40110	- W Breakwater. Head	23 05-81 N 121 22-80 E	FI G 4s	10	12	Green round concrete tower 10	Fishing
<b>P4718</b> TW., 40080	Chin-tsun. Yü Kang. E Breakwater	22 57-12 N 121 17-52 E	FI R 4s	..	..	..	Fishing
<b>P4718-1</b> TW., 40070	- - W Breakwater	22 57-21 N 121 17-51 E	FI G 4s	..	..	..	Fishing
<b>P4719</b> TW., 40060	Tu-Lan Wan. Hsin-lan. Yü Kang	22 51-59 N 121 12-18 E	FI R 4s	..	..	..	Fishing
<b>P4720</b> TW., 40040	Fugang Fishing Harbour. S Breakwater	22 47-36 N 121 11-42 E	FI R 2s	12	2	Red round concrete tower 9	Fishing
<b>P4720-1</b> TW., 40030	- N Breakwater	22 47-45 N 121 11-53 E	Iso G 3s	10	2	green round concrete tower 9	Fishing
<b>P4721</b>	Mei-ho	22 40-62 N 121 03-17 E	FI R 4s				
LÜ TAO							
<b>P4724</b> TW., 40260	- Pi-t'ou-Chiao	22 40-57 N 121 27-98 E	FI(2)W 20s	46	26	White round concrete tower 33	
<b>P4724-2</b> TW., 40320	- N Coast. Chung-liao Wan. Chung-liao. Fishing Harbour	22 40-52 N 121 28-32 E	FI R 3-5s	..	..	5	
<b>P4724-3</b> TW., 40330	-----	22 40-54 N 121 28-33 E	FI G 3-5s	..	..	green structure 6	
<b>P4724-4</b> TW., 40310	- - Fishing Harbour	22 40-52 N 121 29-59 E	FI W 4s	..	..	red structure 6	
<b>P4724-6</b> TW., 40270	- W Coast. Nan-liao Wan. Nan-liao. Fishing Harbour. N Breakwater	22 39-62 N 121 28-36 E	FI G 3-5s	..	..	Green structure 2	
<b>P4724-61</b> TW., 40290	----- S Breakwater	22 39-59 N 121 28-35 E	FI R 4s	..	..	red structure 2	
<b>P4724-62</b> TW., 40280	-----	22 39-58 N 121 28-31 E	FI R 4s	..	..	red structure 8	
LAN YÜ							
<b>P4725</b> TW., 40180	- NW Peak	22 04-88 N 121 30-18 E	FI(4)W 24s	214	26	White round concrete tower 15	(fl 0-3, ec 3-7) x 3, fl 0-3, ec 11-7
<b>P4725-5</b> TW., 40200	- W Side	22 03-58 N 121 30-46 E	FI R 4s	..	..	white structure 6	Fishing

North Pacific Ocean — Philippine Sea — Taiwan

LAN YÜ — W Side - (contd)

P4725-55 TW., 40190	--	22 03-56 N 121 30-50 E	Fl G 4s	m ..	M ..	Green structure 5	Fishing
P4725-6 TW., 40220	--	22 02-39 N 121 31-29 E	F Y	..	..	7	
P4725-7 TW., 40240	- S Side	22 01-50 N 121 32-27 E	Q R	..	..	Red and white tower 8	Signal Station
P4725-8 TW., 40230	--	22 01-42 N 121 33-27 E	Fl G 5s	..	..	6	

Oil and Gas Production Installations — South China Sea — China

P9565	WENCHANG FIELD - East of Hainan Dao. Wenchang 13- 1/2	19 36-67 N 112 02-79 E	Lit	..	10 Platform	
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Oil and Gas Production Installations — South China Sea — Hainan Dao — China

P9570	Hainan Dao. South-eastward	18 23-40 N 111 08-10 E	Lit	..	10 Platform	
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Oil and Gas Production Installations — South China Sea — China

P9584	YACHENG GASFIELD - Hainan Dao. South-westward	17 30-54 N 109 01-48 E	Mo(U)R 15s	..	10 Platform	
	---	..	F R			
	---	..	Horn			
P9585	- Ledong 15-1	17 36-79 N 108 24-60 E	Lit	..	10 Platform	
P9586	- Ledong 22-1	17 33-27 N 108 35-53 E	Lit	..	10 Platform	

Oil and Gas Production Installations — Gulf of Tonkin — China

P9604-5	WEIZHOU DAO OILFIELD -	20 48-79 N 108 37-49 E	Mo(U)W 15s	..	10 Platform	Platform WZ10-3A Mo(U)W 15s 10M and Horn close W
	-	..	Horn			
P9604-6	- SPM	20 49-37 N 108 36-85 E	Mo(U)W 15s	..	5 Superbuoy	
	--	..	Horn			
P9604-7	-	20 40-84 N 108 40-90 E	Mo(U)W 15s	..	.. Platform	
	-	..	Horn			
P9604-75	- WZ11-1	20 47-78 N 108 43-49 E	Lit	..	10 Platform	Other installations, some marked by lights and fog signals exist in this field
P9604-78	- WZ11-4N	20 45-31 N 108 45-28 E	Lit	..	10 Platform	
P9604-8	- SPM	21 02-93 N 109 03-37 E	Mo(U)W 10s	..	10 Platform	Ra refl
	--	..	Siren Mo(U) 30s			
P9604-82	- WZ6- 1	20 54-62 N 108 51-90 E	Lit	..	10 Platform	
P9604-85	- WZ12-1	20 48-98 N 108 53-90 E	Lit	..	10 Platform	

Oil and Gas Production Installations — South China Sea — China

LIUHUA TERMINAL

P9607	-	20 49-54 N 115 42-00 E	Mo(U)W 15s	m ..	M 10 Platform	Other installations, some marked by lights and fog signals, exist in this field
	-	..	Siren			
P9607-01	- FPSO	20 50-43 N 115 41-77 E	Lit	..	.. Storage Tanker	
P9607-05	PANYU FIELD - Panyu 5-1	20 51-23 N 114 47-20 E	Mo(U)W	..	.. Platform	
P9607-07	- Panyu 4-2	20 50-87 N 114 36-83 E	Mo(U)W	..	.. Platform	
P9607-09	- FPSO Hai Yang Shi You	20 50-48 N 114 42-23 E	Mo(U)W	..	.. Storage tanker	

HUIZHOU TERMINAL

P9607-2	- HZ 21-1B	21 20-95 N 115 25-37 E	Lit	..	10 Platform	Other installations some marked by lights and fog signals exist in this field
P9607-21	- HZ 26-1	21 10-45 N 115 15-94 E	Lit	..	10 Platform	
P9607-22	- HZ 32-2	21 09-68 N 115 10-18 E	Lit	..	10 Platform	
P9607-23	- HZ 32-3	21 09-90 N 115 13-10 E	Lit	..	10 Platform	
P9607-24	- FPSO Nan Hai Fa Xian	21 23-62 N 115 23-43 E	Mo(U)W	..	5 Storage tanker	
P9607-26	- HZ 25-3	21 10-68 N 115 05-08 E	Lit	..	10 Platform	Other installations, some marked by lights and fog signals, exist in this field

OIL AND GAS FIELD

P9607-3	- 30-1	20 14-20 N 114 54-30 E	Mo(U)W 15s	..	10 Platform	Other installations, some marked by lights and fog signals, exist in this field
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XIJIANG TERMINAL

P9607-5	- 24-3	21 22-75 N 114 54-70 E	Mo(U)W 15s	..	10 Platform	
	--	..	Siren			
P9607-51	- HZ19-2	21 21-97 N 115 04-98 E	Lit	..	10 Platform	
P9607-52	- FPSO NanHai Kai Tuo	21 18-40 N 114 57-30 E	Lit	..	.. Storage tanker	
P9607-54	- 30- 2	21 16-28 N 114 58-56 E	Mo(U)W 15s	..	10 Platform	
	--	..	Siren			
P9607-55	- SBM. Haiyang Shiyou 115	21 21-22 N 114 44-15 E	Mo(U)W 15s	..	10 Superbuoy	
	---	..	Siren			
P9607-56	- 23- 1	21 21-05 N 114 42-98 E	Mo(U)W 15s	..	10 Platform	
	--	..	Siren			
P9608	LUFENG TERMINAL - LF 13-1	21 35-16 N 116 09-38 E	Mo(U)W 15s	..	20 Platform	
	--	..	Siren			
P9608-1	- LF 13-2	21 37-85 N 116 03-21 E	Mo(U)W 15s	..	15 Platform	FPSO close NW
	--	..	Siren Mo(U) 30s	..	2	

Oil and Gas Production Installations — East China Sea — China

GASFIELD				
ID	Code	Coordinates	Type	Platform
P9642-4	- CEP	28 30-85 N 125 00-74 E	Lit	10 Platform
P9642-45	-	29 07-50 N 124 55-60 E	Mo(U)W 30s	2 Platform
P9642-5	-	29 19-21 N 125 04-23 E	Lit	10 Platform
P9642-6	- CHX	28 21-40 N 124 56-40 E	Lit	10 Platform

Oil and Gas Production Installations — Yellow Sea — Bo Hai — China

BOHAI WAN. BOHAI WAN OILFIELD				
ID	Code	Coordinates	Type	Platform
P9690-12	- A	38 26-51 N 118 24-86 E	Lit	10 Platform
BOHAI WAN. QIKOU FIELD				
P9690-17	- QK18-1	38 39-48 N 117 57-64 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
P9690-18	- Bohai Wan	38 36-96 N 117 54-84 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
P9690-22	- QK17-3	38 33-48 N 117 49-69 E	Mo(U)W 12s	10 Platform
	--	..	Siren	
P9690-23	-	38 28-41 N 117 43-82 E	Mo(U)W 12s	Wellhead Beacon
P9690-25	-	38 25-80 N 117 42-46 E	Mo(U)W 12s	Wellhead Beacon
P9690-251	-	38 27-51 N 117 44-53 E	Mo(U)W 12s	Wellhead Beacon
P9690-252	-	38 28-56 N 117 44-99 E	Mo(U)W 12s	Wellhead Beacon
P9690-253	-	38 27-42 N 117 42-64 E	Mo(U)W 12s	Wellhead Beacon
P9690-2535	-	38 27-52 N 117 41-75 E	Mo(U)W 12s	9 Wellhead Beacon
P9690-254	-	38 29-36 N 117 44-30 E	Mo(U)W 12s	Wellhead Beacon
P9690-26	-	38 29-89 N 117 45-10 E	Mo(U)W 12s	Wellhead Beacon
P9690-262	-	38 30-16 N 117 47-05 E	Mo(U)W 12s	Wellhead Beacon
P9690-265	-	38 30-20 N 117 45-94 E	Mo(U)W 12s	Wellhead Beacon
P9690-27	-	38 30-82 N 117 47-01 E	Mo(U)W 12s	Wellhead Beacon
P9690-274	-	38 32-69 N 117 41-12 E	Mo(U)W 12s	Wellhead Beacon
P9690-277	-	38 38-37 N 117 40-84 E	2 Mo(U)W 12s	4-5 Wellhead Beacon
P9690-28	-	38 37-58 N 117 42-54 E	Fl(2)W 5s	Wellhead Beacon
P9690-285	-	38 37-02 N 117 45-04 E	Fl W 3s	Wellhead Beacon

Oil and Gas Production Installations — Yellow Sea — Bo Hai — China

BOHAI WAN. QIKOU FIELD - (contd)				
ID	Code	Coordinates	Type	Platform
p9690-29	- Qikou 17-2	38 38-22 N 117 47-34 E	2 Mo(U)W 15s	Platform
	--	..	Siren	
p9690-292	- QK17-2E	38 37-82 N 117 49-24 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
BOHAI WAN. APPROACHES TO TIANJIN XINGANG				
p9690-311	-	38 49-52 N 117 40-67 E	2 Mo(U)W 12s	4-5 Wellhead Beacon
p9690-312	- SW	38 50-17 N 117 44-95 E	2 Mo(U)W 12s	Wellhead Beacon
p9690-313	-	39 00-44 N 117 50-69 E	Mo(U)W 12s	Wellhead Beacon
BOHAI WAN. BOHAI WAN OILFIELD				
p9690-315	- SPM	38 46-34 N 118 42-30 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
	--	..	Racon	
P9690-32	- WHP-A	38 42-01 N 118 41-10 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
P9690-325	- WHP-C	38 44-89 N 118 43-47 E	Mo(U)W 15s	10 Platform
P9690-326	- WHP-D	38 43-57 N 118 50-50 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
P9690-327	- WHP-E	38 44-61 N 118 53-52 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
P9690-328	- WHP-F	38 42-44 N 118 53-69 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
P9690-3283	- CFD18 - 1WHP	38 37-59 N 118 53-94 E	Mo(U)W 15s	Platform
P9690-3285	- CFD18 - 2WHPC	38 34-79 N 118 57-32 E	Mo(U)W 15s	Platform
P9690-329	- BZ13 - 1WHPB	38 33-04 N 119 03-92 E	Mo(U)W 15s	Platform
P9690-33	- WGP-A	38 46-22 N 118 40-57 E	Mo(U)W 15s	10 Platform
	--	..	Siren	
NB35-2 OILFIELD				
P9690-34	- Approaches to Daqinghe Kou. CEP	39 04-24 N 118 54-97 E	Mo(U)W 15s	10 Platform
	---	..	Siren	
P9690-341	-- WHPB	39 02-65 N 118 52-04 E	Mo(U)W 15s	10 Platform
	---	..	Siren	
BZ26 OILFIELD				
P9690-342	- BZ26-2. WHPA	38 17-54 N 119 15-78 E	Mo(U)W 15s	10 Platform
	---	..	Siren	
P9690-3425	- BZ26-3. WHPA	38 15-27 N 119 13-94 E	Mo(U)W 15s	Platform
	---	..	Siren	
P9690-3426	-- WHPB	38 14-11 N 119 16-06 E	Mo(U)W 15s	Platform
	---	..	Siren	

ALRS Vol 2 Station 82140

Other installations, some marked by lights and fog signals, exist in this field

Oil and Gas Production Installations — Yellow Sea — Bo Hai — China

BZ19 OILFIELD				m	M	
P9690-343	- 4WHPA	38 19-17 N 119 05-63 E	Mo(U)W 15s	..	..	Platform
--	--	..	Siren			
P9690-3431	- 4WHPB	38 22-49 N 119 05-64 E	Mo(U)W 15s	..	..	Platform
--	--	..	Siren			
BO ZHONG BZ25-1 TERMINAL						
P9690-344	- WHPB	38 14-79 N 119 07-48 E	Lit	..	10	Platform
P9690-345	- FPSO Hai Yang Shi You 113	38 14-10 N 119 08-97 E	Lit	..	..	Storage tanker
P9690-3455	- 1-SPM	38 13-43 N 119 07-28 E	Mo(U)W 15s	..	..	..
P9690-3458	- WHPD	38 12-66 N 119 05-70 E	Lit	..	10	Platform
QHD 32-6 OIL TERMINAL						
P9690-346	- Approaches to Jingtang. A	39 07-72 N 119 12-63 E	Lit	..	..	Platform
P9690-347	-- B	39 08-11 N 119 13-73 E	Lit	..	10	Platform
P9690-3471	-- C	39 06-99 N 119 14-92 E	Lit	..	10	Platform
P9690-3472	-- D	39 06-64 N 119 13-60 E	Lit	..	10	Platform
P9690-3473	-- E	39 05-62 N 119 11-49 E	Lit	..	10	Platform
P9690-3474	-- F	39 06-45 N 119 11-00 E	Lit	..	10	Platform
P9690-348	-- SPM	39 06-70 N 119 12-24 E	Mo(U)W 15s	..	10	Platform
---	---	..	Siren			
P9690-35	Approaches to Jingtang. Wellhead No 12	39 01-45 N 119 18-93 E	Mo(U)W 15s	..	..	Platform
--	--	..	F R			
P9690-352	Jingtang Gangqu. South-eastward	38 57-10 N 119 19-91 E	Mo(U)W 15s	..	..	Platform
--	--	..	Siren Mo(U) 30s			
P9690-36	Approaches to Jingtang	38 57-78 N 119 23-74 E	Fl(3)G 6s			
BO HAI OILFIELD						
P9690-37	-	38 22-72 N 120 06-08 E	Mo(U)W 15s	..	10	Platform
-	-	..	Siren			
P9690-371	- F (PL19-3F)	38 19-04 N 120 08-44 E	Mo(U)W 15s	..	10	Platform
--	--	..	Siren			
P9690-372	- M(PL19-3M)	38 22-08 N 120 05-29 E	Mo(U)W 15s	..	10	Platform
--	--	..	Siren			
P9690-373	- PL19-3D	38 21-66 N 120 05-61 E	Mo(U)W 15s	..	10	Platform
--	--	..	Siren			
P9690-374	- WHP - C	38 22-14 N 120 06-97 E	Mo(U)W 15s	..	10	Platform
--	--	..	Siren			

Oil and Gas Production Installations — Yellow Sea — Bo Hai — China

BO HAI OILFIELD - (contd)				m	M	
p9690-376	- CPC	38 23-46 N 120 06-69 E	Mo(U)W 15s	..	10	Platform
--	--	..	Siren			
p9690-377	- E (PL19 - 3 E)	38 24-21 N 120 06-13 E	Mo(U)W 15s	..	10	Platform
--	--	..	Siren			
p9690-378	-	38 23-57 N 120 04-87 E	Mo(U)W 15s	..	10	Platform
-	-	..	Siren			
BZ28 OILFIELD						
p9690-39	- BZ28-1. SPM	38 18-92 N 119 37-66 E	Mo(U)W 15s	..	10	Platform
---	---	..	Siren			
p9690-391	-- SW	38 18-15 N 119 38-23 E	Mo(U)W 15s	..	10	Platform
---	---	..	Siren			
p9690-392	-- NW	38 19-66 N 119 37-02 E	Mo(U)W 15s	..	10	Platform
p9690-394	- 2SN WHPA	38 14-63 N 119 34-92 E	Mo(U)W 15s	..	10	Platform
p9690-395	- FPSO	38 13-62 N 119 33-26 E	Mo(U)W 15s	..	10	
p9690-396	- 2S CEP	38 12-81 N 119 33-26 E	Mo(U)W 15s	..	10	Platform
BZ29 OILFIELD						
p9690-398	- 4WHPA	38 12-25 N 119 43-36 E	Mo(U)W 15s	..	10	Platform
--	--	..	Siren			
BZ34 OILFIELD						
p9690-4	- BZ34-1. WHPB	38 08-30 N 119 34-67 E	Mo(U)W 15s	..	10	Platform
---	---	..	Siren			
p9690-401	- SPM	38 06-95 N 119 33-42 E	Mo(U)W 15s	..	..	Superbuoy
--	--	..	Siren			
p9690-402	- BZ34 - 5WJ	38 03-99 N 119 32-63 E	Mo(U)W 15s	..	10	Platform
p9690-403	- Well	37 59-74 N 119 33-40 E	Fl(2)W 5s	..	10	Black ♂ on black beacon, red band
p9690-404	-	38 05-51 N 119 30-55 E	Mo(U)W 15s	..	10	Wellhead Beacon
p9690-407	- BZ34 - 3WJ	38 06-90 N 119 30-60 E	Mo(U)W 15s	..	10	Platform
p9690-41	- 1CEPA	38 08-33 N 119 31-56 E	Mo(U)W 15s	..	10	Platform
--	--	..	Siren			
p9690-42	- 1N WHPC	38 09-97 N 119 33-67 E	Mo(U)W 15s	..	..	Platform
SZ36 FIELD						
p9692-25	- SZ36-1CEP	39 57-32 N 120 48-39 E	Lit	..	10	Platform
p9692-28	- SZ36-1SPM	39 54-91 N 120 48-44 E	2 Mo(U)W 15s	..	10	
--	--	..	Siren			

Oil and Gas Production Installations — Yellow Sea — Liaodong Wan — China

	JZ OILFIELD			m	M	
P9695	- JZ20-2SW	40 26-04 N 121 16-98 E	Mo(U)W 15s	..	10	Platform
P9695-1	-	40 28-61 N 121 20-32 E	Mo(U)W 12s	..	..	Beacon
	-	..	F R			
P9695-2	- JZ20-2MUQ	40 30-02 N 121 21-11 E	Mo(U)W 15s	..	10	Platform
P9695-3	- JZ20-2NW	40 31-55 N 121 24-56 E	Mo(U)W 15s	..	10	Platform
P9695-4	- JZ21-1. WHPA	40 22-62 N 121 23-76 E	Mo(U)W 15s	..	10	Platform
	---	..	Siren			
P9696	- JZ9-3. SLPW	40 39-84 N 121 27-74 E	Mo(U)W 15s	..	10	Platform
P9696-3	-- WHPE	40 40-53 N 121 29-41 E	Mo(U)W 15s	..	10	
P9696-4	-- WHPA	40 40-76 N 121 32-10 E	Mo(U)W 15s	..	10	Platform
	---	..	Siren			

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<b>A</b>					
Aberdeen Channel	P3577-8	Banc = Shoal. <i>See</i> proper name		Bingma Jiao	P3339
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Aberdeen S Typhoon Shelter	P3577-8	Bandao = Peninsula. <i>See</i> proper name		Bizi Yu	P3600-95
Adamasta Rock	P3522	Bandar = Harbour, port. <i>See also</i> proper name		Black Point	P3526-2
Aguilar, Cape d'	P3576	Banfeng Jiao (Huoshan Liedao)	P3716-785	Black Point Power Station	P3526-25
Aiqi Shan	P3685	Banfeng Jiao (Liuheng Dao)	P3692-1	Bluff Head	P3577
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Ao = Bay, Gulf. <i>See</i> proper name		Basuo Gang	P3337	Bush Reef	P3580
Ao kwang = Bay. <i>See</i> proper name		Basuo Xingang	P3337-8	Busong = Sandbank. <i>See</i> proper name	
Aoqian	P3632-35	Batang = River. <i>See</i> proper name		<b>C</b>	
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Apo Pai	P3581-242	Bei = North		Canjiangtang	P3405-435
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Baimutian Jiao	P3684-3	Beili Dao	P3358-7	Changbiwei	P3641-68
Bai Pai	P3350-5	Beilong Shan	P3648-8	Changcao Yu	P3642-3
Baipao Dao	P3641-71	Beilun	P3714-85	Changhua Gang	P3338-1
Baiqi Jiao	P3625-6	Beiluohuan	P3405-05	Changhuan Zui	P3404-9
Baisha Jiao (Haihou Gang)	P3347-8	Beipanshan Yu	P3660-8	Changjiang	P3748
Baisha Jiao (Houzhu Maodi)	P3622-9	Beipu Dao	P3721-8	Changjiang Kou	P3794
Baisha Men	P3347-95	Beishi Dao	P3348-35	Changjiang Kou Lt V	P3752
Baishatou Zui	P3580-2	Beitan	P3319-83	Chang Jiao	P3716-737
Baishuiwan	P3580-63	Beiwu Jiao	P3622-5	Ch'ang-pin	P4713-2
Bai Su Yan	P3316	Beixian Dao	P3633-41	Changqiao Gang	P3787-5
Baita Jiao (Meizhou Wan)	P3627-69	Beiyuan Yu	P3660-4	Changshan Bridge	P4068-088
Baita Shan	P3718-487	Beiyu Shan	P3682	Changshan Fishing Harbour	P3895
Baitou Dao	P3633-315	Bendou Shan	P3716-712	Changshan Qundao	P4070
Baitou Zhou	P3581-224	Bentang Jiao	P3372-1	Changshanwei	P3587-59
Baiwang Jiao	P3607-5	Besar = Large, Great.		Changshan Zui	P3740-05
Baiwa Tou	P3660	Beting = Reef, sandbank, shoal. <i>See</i> proper name		Changshun Ba	P3677
Baixugong Jiao	P3316	Bi = Point, cape. <i>See</i> proper name		Changsong Bridge	P3714-0967
Baiyang	P3620-25	Biandan Gang	P3796	Changtiao Zui	P3715
Baiyan Jiao	P3641-59	Biandangang Kou	P3796-18	Changtu Gang	P3716-735
Bai Yu	P3600-93	Biandan Jiao (Menkou Gang)	P3714-097	Changtu Sankuai Shan	P3716-725
Baiyu	P3633-15	Biandan Jiao (Shengsi Liedao)	P3740-8	Changwu Jiao	P3672
Baiyunshan	P3635	Biandan Jiao (Taizhou Wan)	P3680-03	Changxing Dao (Changxing approaches)	P3754-595
Bai Yu (Xiamen Gang)	P3609-25	Bianzi Jiao	P3718-83	Changxing Dao (Liaodong Wan)	P3982-5
Bai Yu (Zhaoan Wan)	P3596-8	Biao Jiao	P3588	Changyao Dao	P3641-74
Ba Jiao	P3890	Bijia Jiao	P3660-98	Changyao Jiao	P3680-23
Banbian Yu	P3680-33	Bijia Shan	P3693-5	Changzhi Dao	P3714-092
		Bijia Zhou	P3405-85	Changzuili Da Jiao	P3713-3





Name	No.	Name	No.	Name	No.	Name	No.	Name	No.	Name	No.
Haihu Jiao . . . . .	P3718-838	Hong Kong - Zhuhai - Macao Bridge . . . . .	P3449-55	Hui Yu (Meizou Wan) . . . . .	P3627-71	Jinhe . . . . .	P3357-73			Limati Jiao . . . . .	P3740-025
Hai Jiao . . . . .	P3747-4	Hongniangzi Jiao . . . . .	P4045-4	Huizhou Gang . . . . .	P3581-238	Jinhui Gang . . . . .	P3717-873			Linchang Jiao . . . . .	P3340-8
Haikang Gang . . . . .	P3327-18	Hongpai Gang . . . . .	P3342-5	Huijiang Dao . . . . .	P3635-2	Jinjiang Jiao . . . . .	P3691-4			Ling = Ridge, mountain, mountain range. <i>See</i> proper name	
Hai-kan Yen . . . . .	P4654	Hongshen Jiao . . . . .	P3691-2	Hulu Dao . . . . .	P3965-5	Jinmu Jiao . . . . .	P3349			Lingao Jiao . . . . .	P3342
Haikou Electric Works . . . . .	P3343-2	Hongshi . . . . .	P3319-9	Humen Bridge . . . . .	P3468-1	Jinpei Men . . . . .	P3635-45			Ling Hsing . . . . .	P4692-4
Haikou Gang . . . . .	P3347-9	Hongtang Gang . . . . .	P3350-3	Huni Shan . . . . .	P3714-2025	Jinpen Gang . . . . .	P4068-08			Ling-shui Jiao . . . . .	P3348-8
Haikou Wan . . . . .	P3347-95	Hongyang Gang . . . . .	P3793-9	Huoshao Yu . . . . .	P3616-5	Jinshan Hangdao . . . . .	P3718-24			Linhong Hekou . . . . .	P3805-2
Hai-k'ou Wan . . . . .	P4605	Ho-p'ing Kang . . . . .	P4704	Huotoufen Zhou . . . . .	P3580-9	Jinshan Zui . . . . .	P3936			Linjin Yu . . . . .	P3605-5
Hai-kou Yu-kang . . . . .	P4659-2	Ho-Tzo-Liao . . . . .	P4626-2	Huo-yen Shan . . . . .	P4693-8	Jinshilan . . . . .	P3856-28			Lin-pien Hsi . . . . .	P4606-2
Hailingshan Dao . . . . .	P3405-05	Hou Ao . . . . .	P3634-35	Hutouya . . . . .	P3906-2	Jinshuidunlan . . . . .	P3319-5815			Lin-shan Pi . . . . .	P4667
Hailingshan Gang . . . . .	P3405-435	Houhai (Hainan Dao) . . . . .	P3345-5	Hutou Yu . . . . .	P3659	Jintang Great Bridge . . . . .	P3716-3			Linwu Gang . . . . .	P3348
Hailü Dao . . . . .	P3866	Houhai (Ling-shui Wan) . . . . .	P3348-9	Hutou Zui . . . . .	P3581-234	Jintang Shuidao . . . . .	P3714-28			Lisi Jiao . . . . .	P3741
Haimaozi Tou . . . . .	P3862	Hou Jiao . . . . .	P3597	Huwei Jiao . . . . .	P3641-625	Jinxing Dao . . . . .	P3453			Litou Zui . . . . .	P3657-73
Haimen Dao . . . . .	P3612-56	Houji Dao . . . . .	P3892	Hu Yu (Beijishan Liedao) . . . . .	P3657-55	Jinxun Jiao . . . . .	P3632-7			Liu áo S . . . . .	P3603-975
Haimen Gang (Changshunba End) . . . . .	P3677	Houshui Wan . . . . .	P3339-1	Hu Yu (Dagang Wan) . . . . .	P3672-25	Jinyu . . . . .	P3635-416			Liubi Gang . . . . .	P3794-137
Haimen Gang (Haimen Wan) . . . . .	P3587-1	Houxiaoshan . . . . .	P3740-73	Huyi Jiao . . . . .	P3740-9	Jishuidu Shi . . . . .	P3319-7			Liu-chiu Yü . . . . .	P4611
Haimen Wan . . . . .	P3587-1	Hou Yu (Haitan Haixia) . . . . .	P3633-283	Huzhou . . . . .	P3635-415	Jiucaituozhi . . . . .	P4058-5			Liudao Jiao . . . . .	P3354
Haimiao . . . . .	P3906-17	Hou Yu (Xiamen Gang) . . . . .	P3615	Huzi . . . . .	P3587-25	Jiucang . . . . .	P3718-486			Liudong Zha . . . . .	P3716-69
Hainan Jiao . . . . .	P3348-1	Hsia-ku-tzu . . . . .	P4663-25	Hwang Ching Tau, North . . . . .	P3892-5	Jiudongmen . . . . .	P3671-7			Liu'er . . . . .	P3642
Hainan Zhingyong shennan . . . . .	P3343-25	Hsiao-kang . . . . .	P4713-5			Jiudian Lt V . . . . .	P3768			Liuertuo . . . . .	P3627-76
Haishan Dao . . . . .	P3587-61	Hsiao-men Yü . . . . .	P4648	Île = Island. <i>See</i> proper name		Jiuping Jiao . . . . .	P3635-69			Liuguhe Kou . . . . .	P3964-3
Haitan Haxia . . . . .	P3633-185	Hsi-ku Tao . . . . .	P3356	Îlha = Island. <i>See</i> proper name		Jiuzhe Jiao . . . . .	P3609			Liujawang . . . . .	P3891-4
Haitan Jiao . . . . .	P3633	Hsin-chiang Po-ti . . . . .	P4716	Îlot = Islet. <i>See</i> proper name		Jiuzhou Gang . . . . .	P3449-4			Liujiao Dao . . . . .	P3357-7
Haitou Gang . . . . .	P3338-33	Hsin-Chu . . . . .	P4661-5			Jixin Yu . . . . .	P3598-4			Liusha Gang . . . . .	P3327-51
Haitou Xingang . . . . .	P3338-32	Hsing Ta . . . . .	P4627	Jabal = Mountain, hill, island. <i>See</i> proper name		Ji Yu . . . . .	P3627-944			Liusha Wan . . . . .	P3327-21
Haiwei Gang Gate . . . . .	P3338-3	Hsing Ta Kang . . . . .	P4627-4	Jaabei . . . . .	P3642-5	Jizhun Yan . . . . .	P3850-65			Liutiao gang . . . . .	P4067-3
Haiwei Shi . . . . .	P3618-38	Hsin-hu Fishing Harbour . . . . .	P3620-15	Jiabei . . . . .	P3682-6	Juhua Dao . . . . .	P3965			Liutiao Gang . . . . .	P4067-9
Haixia = Strait . . . . .		Hsin-lan . . . . .	P4719	Jiabei . . . . .	P3682-6	Junbi Jiao . . . . .	P3338-2			Liu Wei . . . . .	P3800-002
Haiyang Dao . . . . .	P4066-55	Hsin-she . . . . .	P4712-3	Jiabei . . . . .	P3682-6	Junshan dao . . . . .	P3633-31			Liuxuzha . . . . .	P3799-35
Haiyin Jiao . . . . .	P3319-583	Hsiong-iu Yü . . . . .	P4657-73	Jiabei . . . . .	P3682-6					Liya Jiao . . . . .	P3794-125
Haizhou Wan . . . . .	P3805-7	Hsi Yü . . . . .	P4652	Jiabei . . . . .	P3682-6					Li Yan . . . . .	P3657-82
Hak Kok Tau . . . . .	P3572	Huacheng Petrochemical . . . . .	P3581-3	Jiabei . . . . .	P3682-6					Liyang'an Dao . . . . .	P3711
Hakushaton . . . . .	P4661	Huafeng . . . . .	P3587-624	Jiabei . . . . .	P3682-6					Li Yu . . . . .	P3633-3
Hangdao = Fairway. <i>See</i> proper name		Huaguang Yu . . . . .	P3648-105	Jiabei . . . . .	P3682-6					Liyubei Jiao . . . . .	P3672-3
Hangsan . . . . .	P4043	Huagu Shan . . . . .	P3716-7	Jiabei . . . . .	P3682-6					Liyu Gang . . . . .	P3490
Hangzheng . . . . .	P3909-815	Hualien Gang . . . . .	P4706	Jiabei . . . . .	P3682-6					Liyu Jiao . . . . .	P3714-097
Hangzhou Wan . . . . .	P3716-727	Huaneng . . . . .	P3661-205	Jiabei . . . . .	P3682-6					Lizhi Shan . . . . .	P3648-6
Hankouhe Kou . . . . .	P3805-83	Huangbai Jiao . . . . .	P3613	Jiabei . . . . .	P3682-6					Lizhuang Jiao . . . . .	P3634-8
Hanlong Jiao . . . . .	P3641-68	Huangbai Zui . . . . .	P4010	Jiabei . . . . .	P3682-6					Lo Fu Wat . . . . .	P3579-6
Haozhi Gang . . . . .	P3794-04	Huangcheng Shan . . . . .	P3405-5	Jiabei . . . . .	P3682-6					Longán Jiao . . . . .	P3648-105
Hau Hoi Wan . . . . .	P3526-8	Huangcheng, Shuidao . . . . .	P3892-58	Jiabei . . . . .	P3682-6					Longdong Zui . . . . .	P3891
Hau Hoi Wan . . . . .	P3527-1	Huangdao' Outer Channel . . . . .	P3823	Jiabei . . . . .	P3682-6					Longgu West Fairway . . . . .	P3521-43
He = River. <i>See</i> proper name		Huangdao' Quianwan . . . . .	P3824-3	Jiabei . . . . .	P3682-6					Longhua Gang . . . . .	P3786-5
Hebao Dao . . . . .	P3407-3	Huanggan Dao . . . . .	P3627-61	Jiabei . . . . .	P3682-6					Longhu Yu . . . . .	P3627-75
Hei Ling Chau . . . . .	P3521-9	Huanghejian . . . . .	P3797	Jiabei . . . . .	P3682-6					Longjiao . . . . .	P3718-895
Heisha Jiao . . . . .	P3420-5	Huanghua . . . . .	P3906-9	Jiabei . . . . .	P3682-6					Longkongdun . . . . .	P3317-9
Hejia Gang . . . . .	P3794-14	Huanghua Gang . . . . .	P3906-77	Jiabei . . . . .	P3682-6					Longkou Gang . . . . .	P3897-7
Heliu . . . . .	P3779-25	Huanghua Jiao . . . . .	P3642-85	Jiabei . . . . .	P3682-6					Longmen Jianshan Fishing Harbour . . . . .	P4657-72
Hengche Shan . . . . .	P3661-1	Huang Jiao . . . . .	P3716-78	Jiabei . . . . .	P3682-6					Longmu Jiao . . . . .	P3648-08
Hengmen . . . . .	P3671-3	Huangjiaotou . . . . .	P3714-1851	Jiabei . . . . .	P3682-6					Longshui Ling . . . . .	P3368
Hengmendong Shuidao . . . . .	P3456-21	Huanglong Gang . . . . .	P3340-57	Jiabei . . . . .	P3682-6					Longteng Hangdao . . . . .	P3372-1
Hengmenxi Shuidao . . . . .	P3454	Huangmao Dao . . . . .	P3521-08	Jiabei . . . . .	P3682-6					Longtousha . . . . .	P3319-85
Hengsha Dao . . . . .	P3754-53	Huangmao Hai . . . . .	P3408-36	Jiabei . . . . .	P3682-6					Longtou Yu . . . . .	P3649-5
Heng Shan . . . . .	P3682-28	Huangmao Shan . . . . .	P3581-218	Jiabei . . . . .	P3682-6					Longwan Gang . . . . .	P3348-472
Hengshan Dao . . . . .	P3714-185	Huangmao Tou . . . . .	P3406-1	Jiabei . . . . .	P3682-6					Longwangmiao . . . . .	P3960-4
Hengsha Pai . . . . .	P3581-24	Huangmen Shan . . . . .	P3665-9	Jiabei . . . . .	P3682-6					Longwangtiao Zui . . . . .	P3716-72
Hengsha Tidal Station Well . . . . .	P3754-68	Huangnui Jiao . . . . .	P3714-3	Jiabei . . . . .	P3682-6					Longwan Patiai . . . . .	P3662-6
Heng Yu (Aiwan Wan) . . . . .	P3668-8	Huangqi . . . . .	P3645	Jiabei . . . . .	P3682-6					Longwan Tou . . . . .	P3662-6
Heng Yu (Futou Wan) . . . . .	P3603-7	Huangquan . . . . .	P4075-7	Jiabei . . . . .	P3682-6					Longxia Jiao . . . . .	P3603-58
Hengzhou . . . . .	P3520-3	Huangshidong Dao . . . . .	P3747-14	Jiabei . . . . .	P3682-6					Longxuan Shuidao . . . . .	P3465-5
Heren Bi . . . . .	P3643-42	Huangshijiang . . . . .	P4066-43	Jiabei . . . . .	P3682-6					Longyan Gang . . . . .	P3866-5
Heshang Dao . . . . .	P4047-2	Huangta Shan . . . . .	P3714-007	Jiabei . . . . .	P3682-6					Longyan Jiao . . . . .	P3657-75
Heshang Jiao . . . . .	P3716-741	Huangxing Dao . . . . .	P3720-7	Jiabei . . . . .	P3682-6					Long Yu . . . . .	P3597-5
Heshang Langba . . . . .	P3857-22	Huangzhu Jiao . . . . .	P3577-4	Jiabei . . . . .	P3682-6					Lo-ts'o Fishing Harbour . . . . .	P3612-1
Heshangzui Jiao . . . . .	P3718-828	Huanhaisi Dizui . . . . .	P3960	Jiabei . . . . .	P3682-6					Lo Wan, Sha . . . . .	P3525-15
Heung Kong Tsai Wan . . . . .	P3577-7	Huaniao Shan . . . . .	P3746	Jiabei . . . . .	P3682-6					Luandao Shan . . . . .	P3740-95
Heye Jiao . . . . .	P3641-6	Huaping Shan . . . . .	P3718-87	Jiabei . . . . .	P3682-6					Luanjia Kou . . . . .	P3895-88
Heyu . . . . .	P3635-417	Huashi dao . . . . .	P3896-83	Jiabei . . . . .	P3682-6					Luantou Yu . . . . .	P3660-1
Heyu (Xinghua Wan) . . . . .	P3627-915	Huayang . . . . .	P3607-7	Jiabei . . . . .	P3682-6					Lubei Wind Farm . . . . .	P3906-55
Hin = Rock. <i>See</i> proper name		Hua Yü . . . . .	P4646	Jiabei . . . . .	P3682-6					Luchao Gang . . . . .	P3717-898
Hoi Mei Wan . . . . .	P3532-25	Hudan Pai . . . . .	P3468	Jiabei . . . . .	P3682-6					Luchao Gang . . . . .	P3717-9
Hok Tsui . . . . .	P3576	Hudong Fenghuotai . . . . .	P3584-5	Jiabei . . . . .	P3682-6					Luci Jiao . . . . .	P3600-3
Hon = Small island. <i>See</i> proper name		Hudun Shan . . . . .	P3715-2	Jiabei . . . . .	P3682-6					Ludao . . . . .	P3633-17
Hongdian . . . . .	P3620-61	Huiba . . . . .	P3793	Jiabei . . . . .	P3682-6					Lu Dao . . . . .	P3856-204
Hongduo . . . . .	P3627-64	Huidong Gang Dam . . . . .	P3581-28	Jiabei . . . . .	P3682-6					Luhuan Dao . . . . .	P3420
Hongkan . . . . .	P3336	Hui Yu . . . . .	P3627-685	Jiabei . . . . .	P3682-6					Lujabazi . . . . .	P3895-35
Hong Kong Gold Coast Marina . . . . .	P3527-8			Jiabei . . . . .	P3682-6					Lujiazhi Bridge . . . . .	P3714-023
Hong Kong International Airport . . . . .	P3525-24			Jiabei . . . . .	P3682-6					Lu-kang Po-ti . . . . .	P4659-6





Name	No.	Name	No.	Name	No.	Name	No.	Name	No.	Name	No.
Xiaocaihua	P3716-435	Xiaozhu Yu	P3716-74	<b>Y</b>		Yongyuan Jiao	P3977	Yu Yu	P3642-8	Zhongmengshang Jiao	P3633-398
Xiaochang Shan	P3716-71	Xiapan Shan	P3718-4	Ya Dao	P3808-7	Youshuiyan Yu	P3600-98			Zhongran	P3521-185
Xiaochangshan Dao	P4068-09	Xiasanxing Dao	P3734	Yalong Wan	P3348-98	Yu = Islet. See proper name		<b>Z</b>		Zhongshan He	P3797-69
Xiaochangtu	P3716-746	Xiasi Jiao	P3689-5	Yan = Rock. See proper name		Yuan Dao	P4064	Zaomugou	P3975	Zhongshiyou Matou	P3319-18
Xiaochan Jiao	P3460	Xiaiwu Jiao	P3657	Yandun Shan (Xiamen Gang)	P3607	Yuanjiao Yu	P3642-9	Zhabaoshan Great Bridge	P3714-942	Zhongwai Yu	P3620-3
Xiaochen Pai	P3460	Xiawuxianzui Tou	P3661-5	Yangdian	P3785-6	Yuanyang gang	P4068-05	Zhagang	P3788	Zhong Xin Biao	P3937-6
Xiaochi Zhou	P3581-228	Xiayangping Bi	P3641-7	Yangdong Dataling	P3405-695	Yuanyang Jiao	P3740-026	Zhaifeng Shan	P3714-1415	Zhongzhu Shan	P3714-6
Xiaodaojiu Yu	P3747-2	Xiyazhang Dao	P3719-95	Yanghe Kou	P3935-8	Yuanyangtuozi	P4068-07	Zhairuo Dao	P3714-24	Zhou = Shoal, bank, islet. See proper name	
Xiaodong Yu (Niubishan Shuidao)	P3691-6	Xia Yu	P3675	Yangjiao Jiao	P3600-87	Yuan Yu	P3666-28	Zhaitang Dao	P3808-8	Zhoushan Qundao	P3713
Xiaodong Yu (Santu Ao)	P3641-85	Xiayuan Shan	P3716-721	Yang Jiao (Sanmen Wan)	P3682-4	Yuanyuansha Lt F	P3770-5	Zhaiwei Shan	P3635-418	Zhouzi Dao	P3348-605
Xiaogong Dao	P3816	Xiyu Jiao	P3714-12	Yang Jiao (Taizhou Wan)	P3680-25	Yuan Zhou	P3581-23	Zhajing	P3783	Zhouziwei	P3472
Xiaogong Jiao	P3747-28	Xibanyang Jiao	P3747-13	Yangjiawa	P3808-72	Yuanzhou Dao	P3581-282	Zhalan Jiao	P3682-59	Zhuanghai Dao	P3747-1
Xiaogui Shan	P3720	Xibeizui	P3894-5	Yangjia Wan	P3868-7	Yuanzhui Jiao	P3598-4	Zhanghai Shan	P3747-1	Zhuangtuo Yu	P3682-15
Xiaogui Yu	P3672-2	Xicaotuozi	P4068	Yangjingling	P3403-4	Yubao Jiao	P3342-73	Zhangjianqie	P3715-36	Zhucha Dao	P3820
Xiaogu Shan	P3714-0962	Xichu Yu	P3603-75	Yangkou Gang	P3850-62	Yudong Yu	P3620-45	Zhangjiatai	P3808-5	Zhu Dao	P3803-3
Xiaohaozi Dao	P4066-465	Xidalian Dao	P4066-47	Yangkuo Gang	P3794-168	Yuedian	P3661-245	Zhangzi Dao	P4066-45	Zhu Gang	P3717-882
Xiaohengle Shan	P3718-8255	Xida Wan	P4068-093	Yangla Jiao	P3714-085	Yuehai Wharf	P3469-2	Zhanjian	P3383	Zhuhai Gang	P3408
Xiaohuang Jiao	P3641-54	Xiao	P3643-15	Yangluo Shan	P3714-27	Yuehai Xiaohu	P3469	Zhanjiang Gang	P3374	Zhuhangdao	P3408
Xiaohuang Jiao (Tiaozhou Men)	P3714-1853	Xiefan Jiao	P3661-275	Yangpu Gang	P3338-74	Yueming Gang	P3327-127	Zhanjiang Gang Lt F	P3361	Zhujiajian Bridge	P3714-011
Xiaohu Shihua	P3468-8	Xie Jiao	P3603-97	Yangpu Jiao	P3338-7	Yuen Kok	P3577-2	Zhaoan Tou	P3596-6	Zhujiang Kou	P3521-1
Xiaohutou Yu	P3653	Xietou Dao	P3670-5	Yangshan Dao	P3800-912	Yuen Long	P3527-3	Zhaobei Zui	P3868	Zhujiang Kou and approaches	P3416
Xiaojia Dao	P3633-025	Xiexing Gang	P3794-048	Yangshupu Shuichang	P3785-65	Yuhuan Dao	P3661-21	Zhaoyin Matou	P3612-24	Zhukou	P3859
Xiaojiao	P3608-25	Xiexuan Tou Dao	P3690-5	Yangsiqiao	P3787	Yu Kang	P4719	Zhapo Gang	P3405-2	Zhumu Jiao	P3622-9
Xiao Jiao	P3633-023	Xieyang Dao	P3327	Yanguan (Hangzhou Wan)	P3718-484	Yü lin Chiang	P3353	Zhe Dao	P3856-2	Zhuniang Jiao	P3661-275
Xiao Jiao	P3716-719	Xie Yu	P3627-73	Yanguan (Minjiang Kou)	P3635-725	Yulin Dao	P3895-25	Zhelang Yan	P3582	Zhupai Yu	P3633-32
Xiao Jiao (Aiwan Wan)	P3668-5	Xifeng Shi	P3635-4	Yangwo Tou	P3804	Yulin Jiao	P3353	Zhendongzha Kou	P3796-8	Zhupeng Kou	P3805-5
Xiaojiaobei Shan	P3714-006	Xifu Shan	P3723	Yangxiaomao Dao	P3714-22	Yulin Jiao (Basuo Gang)	P3337	Zhenhai Jiao	P3606-2	Zhu Shan	P3716-708
Xiao Jiao (Funing Wan)	P3643-4	Xigu Dao	P3356	Yang Yu (Beijiao Bandao)	P3641-2	Yuming Zui	P3812-2	Zhenxiang Dao	P3523-55	Zhutou Jiao	P3633-87
Xiaojiaotou Jiao	P3675-5	Xiguzhu Jiao	P3719-83	Yangyuchi Wan	P3863-5	Yunanjiang	P3895-25	Zhenzhumen Xiangu Jiao	P3894-7	Zhu Yu	P3682-42
Xiaojin Dao	P3407	Xihaijiang Jiao	P3319-4	Yang Yu (Nanri Dao)	P3627-908	Yun'ao Wan	P3587-748	Zhewanghai Kou	P3805-84	Zhu Yu (Dachen Maodi)	P3674
Xiaojingtai Jiao	P3616-8	Xihezei Dao	P3716-738	Yangyu Shan	P3648-39	Yung-An LNG Port	P4626-3	Zhida Shan	P3670-8	Zhu Zhou	P3520
Xiaojinmen Dao	P3612-1	Xihoumen Daqiao	P3716-45	Yang Yu (Xuanmen Wan)	P3666-5	Yunliang He	P3795-5	Zhizhong Shan	P3716-705	Zongshan Jiao	P3747-17
Xiaoji Shan	P3747-6	Xihu Yu	P3581-299	Yangzhou Gang	P3800-002	Yushan Liedao	P3682	Zhizhou Liedao	P3523-5	Zongzi Shan	P3716-722
Xiaolajia	P3581-222	Xijia Jiao	P4068-092	Yanjing Jiao	P3358-4	Yushe Gang	P3794-167	Zhongjie Shan	P3682-55	Zoumatang	P3714-1852
Xiaolandonggua	P3718-89	Xilian Dao	P3803-2	Yankun Shan	P3682-1	Yutu Jiao	P3714-092	Zhongjun	P3767	Zui = Point, Spit. See proper name	
Xiaoliangmen Shan	P3714-25	Xiluo Dao (Santu Ao)	P3641-4	Yanmo Yu	P3666-8	Yuxingnao Dao	P3716-8	Zhongkui Dao	P3730	Zuoshou Jiao	P3714-099
Xiaolimu Jiao	P3618-35	Xiluo Dao (Songxia Gang)	P3633-8	Yantai Gang	P3878	Yu Yan	P4062	Zhongkui Jiao Lt V	P3825	Zuo Yu	P3682-5
Xiaolongshan Dao	P3984	Xima'an Dao	P3717-8	Yantai Gang	P3886-55						
Xiaoluocer Dao	P3680-15	Ximao Zhou	P3350	Yantai Shan	P3882						
Xiaoma Jiao	P3635-8	Ximopan Jiao	P3690	Yanting Jiao	P3327-21						
Xiaoni Jiao	P3641-3	Xindi Zui	P3334-5	Yanwei Gang	P3799						
Xiaoni Zui	P3682-23	Xinghua Wan Zhong Yu	P3633-16	Yanzi Shan	P3689-4						
Xiaopan Shan	P3735-5	Xinghuo	P3717-855	Yaowang Gang	P3794-135						
Xiaoputai Dao	P3521-1	Xing Jiao	P3684-3	Yaque Jiao (Hangzhou Wan)	P3716-753						
Xiaoqin Dao	P3892-4	Xingshi Jiao	P3895-4	Yaque Jiao (Shuangyu Men)	P3691-8						
Xiaoqing Dao	P3826	Xingzhuang Haikou	P3805-6	Yaque Shi	P3856-1						
Xiaoqu Dao	P3657-6	Xingzi Yu	P3603-45	Yashi Dao	P3874						
Xiaoqu Shan	P3718-81	Xinhai	P3345	Yau Ma Tei	P3545-5						
Xiaori Dao	P3627-946	Xinkaihe Kou	P3937-5	Yeh-liu Pan-tao	P4672						
Xiaoshan	P3633-275	Xinliao Dao	P3357-75	Yeli Dao	P3450						
Xiaoshanzi	P3881	Xinwei Gang	P3799-508	Yen-liao Yu-Kung	P4712						
Xiaosha Yu	P3632-3	Xinyang Gang	P3794-5	Yen-p'u Yu-Kang	P4608-6						
Xiaoshi Dao	P3821	Xinying Gang	P3339-3	Yeyadan Shan	P3716-729						
Xiaoshihu Jiao	P3618-38	Xiong Dao	P3598	Yeya Jiao	P3716-736						
Xiaoshuang Shi	P3316-13	Xiongdì Yu	P3598	Yeya Shan	P3716-705						
Xiaoshulangshan	P3736-5	Xioshuang Shan	P3714-16	Yezhu Dao	P3348-96						
Xiaoshu Shan	P3714-205	Xique Jiao	P3691-8	Yezhu Jiao	P3692-9						
Xiaotuanji Shan	P3714-252	Xisan Dock	P3716-68	Yezi Shan	P3721-3						
Xiao Wan	P3405-76	Xishiba in Water	P3972-3	Yi Dao	P3896-85						
Xiaowu Dao	P3661-24	Xishu	P3803-43	Yim Tin Tsai	P3580-8						
Xiaowugui	P3717-5	Xitai Shan	P3648	Yingda Tuozi	P4068-2						
Xiaowukui Shan	P3714-2557	Xitou Gang	P3405-4	Yingge Zui	P3357						
Xiaowushi	P3716-706	Xiuying	P3346	Yingong	P3661-286						
Xiaowuxing Yu	P3661-3	Xiuzhenhe Kou	P3805-9	Yingjiao Gang	P3793-6						
Xiaoxiyang Dao	P3641-92	Xiwuduo	P3627-66	Ying-ko Tsui	P3357						
Xiaoyan Jiao	P3717-755	Xixiao Shan	P3718-826	Yinglian men	P3719-7						
Xiaoya Shi	P3319-5	Xixieshi	P3714-259	Yinglian Shan	P3719-45						
Xiaoyezhu E	P3690-2	Xixing Dao	P3644-5	Yingpo	P3661-28						
Xiaoyezhu Jiao	P3691	Xiya	P3459	Ying Shan	P3714-19						
Xiaoyuan Shan	P3716-718	Xiyang Cun	P3581-33	Yinjiao Zui	P3523-5						
Xiaoyue Yu	P3633-05	Xi Yu (W Yu)	P3624-5	Yinpan	P3319-783						
Xiaoyu Shan	P3643-1	Xi'ao Jiao	P3404-3	Yin Zhou	P3577-1						
Xiaozheng Jiao	P3648-46	Xuanmen Wan	P3666-5	Yi Shan	P3718-498						
Xiaozhi Shan	P3716-79	Xugong Dao	P3718-89	Yisuan Shan	P3669						
Xiaozhi Zhou	P3523-53	Xugou	P3803-4	Yixi Dock	P3403-9						
Xiaozhui Dao	P3621-2	Xuhuang Jiao	P3327-2	Yiyue Shan	P3684-2						
Xiaozhushan Dao	P3893	Xuwei	P3799-506	Yizheng Shuidao	P3800-008						
Xiaozhu Shan (Ningbo Gang)	P3716-709			Yong Jiang	P3714-9						
Xiaozhu Shan (Taizhou Wan)	P3680			Yongning Zui	P3620-45						
				Yongxing Dao	P3197-5						

National LL Number Lookup Table

Abbreviations and meanings - See also National Light Numbers under General Information			
NN	National number	INT	International Number
XX	ISO Country 2-letter code	XXXX	Book reference or abbreviation (may be blank)

NN	INT	NN	INT	NN	INT	NN	INT	NN	INT
<b>CN</b>		1086.01	P4059.1	1199.02	P3982	1235	P3972.4	1251.344	P3960.252
2070.32	P3794.08	1086.011	P4059.12	1199.03	P3981	1235.2	P3972.3	1251.345	P3960.251
2737.25	P3662.61	1086.012	P4059.13	1199.042	P3979.5	1236.4	P3968.3	1251.346	P3960.2
<b>CN G101</b>		1086.02	P4059.15	1199.043	P3979.52	1236.41	P3968.2	1251.41	P3960.25
1030	P4076	1086.04	P4059.18	1199.044	P3979.45	1236.42	P3968	1251.42	P3960.19
1040.28	P4075.8	1086.59	P4058.3	1199.0441	P3979.44	1236.43	P3968.1	1251.421	P3960.261
1040.3	P4075.7	1086.6	P4058.5	1199.098	P3979.25	1239	P3967.9	1251.43	P3960.28
1040.32	P4075.71	1086.603	P4059.19	1199.1	P3979	1239.1	P3967.91	1251.44	P3960.281
1050.41	P4075.5	1086.604	P4059.191	1199.11	P3979.1	1244.301	P3965.6	1251.45	P3960.35
1050.55	P4075.4	1086.605	P4058.4	1199.12	P3979.104	1244.302	P3965.601	1251.455	P3960.36
1050.6	P4075.2	1086.606	P4058.36	1199.13	P3979.105	1244.4	P3966	1251.46	P3960.361
1050.8	P4075.1	1086.69	P4053	1199.14	P3979.102	1244.41	P3966.1	1251.465	P3960.37
1051	P4075	1086.691	P4058.2	1199.15	P3979.103	1244.42	P3966.12	1251.47	P3960.371
1051.5	P4071	1086.7	P4056	1199.2	P3979.2	1244.43	P3966.121	1251.475	P3960.38
1052	P4070	1086.71	P4053.2	1199.204	P3979.11	1244.436	P3965.668	1251.48	P3960.381
1053	P4068.2	1087.2	P4047.3	1199.51	P3979.19	1244.437	P3965.6681	1251.52	P3960.4
1054	P4068.1	1087.24	P4047.2	1199.53	P3979.18	1244.44	P3965.66	1251.54	P3960
1054.8	P4068.095	1087.3	P4047.6	1199.54	P3979.181	1244.45	P3965.665	1251.62	P3954.98
1055	P4068.093	1094.05	P4045.24	1199.55	P3979.16	1244.46	P3965.666	1251.64	P3954.981
1055.7	P4068.09	1094.1	P4045.4	1199.6	P3979.15	1244.47	P3965.667	1251.66	P3955.2
1055.72	P4068.092	1094.2	P4045.41	1199.7	P3978.9	1244.52	P3965.61	1251.68	P3955
1055.74	P4068.097	1094.3	P4045.42	1199.71	P3978.91	1244.54	P3965.63	1251.681	P3955.22
1055.841	P4068.088	1094.5	P4045.23	1199.715	P3979.196	1244.56	P3965.65	1251.682	P3955.21
1055.862	P4068.088	1096	P4064	1199.76	P3979.188	1244.58	P3965.67	1251.683	P3955.23
1055.9	P4068.08	1098	P4010	1199.8	P3978	1244.59	P3965.68	1251.687	P3955.235
1056	P4068.085	1100.1	P4012	1199.81	P3977.812	1244.6	P3965.69	1251.74	P3956.1
1057	P4066.42	1104.4	P4018.4	1199.811	P3977.813	1244.608	P3966.25	1251.76	P3956.2
1058	P4066.43	1104.5	P4018.5	1199.812	P3977.81	1244.61	P3966.2	1251.78	P3956.3
1059	P4066.4	1104.6	P4018.6	1199.813	P3977.811	1244.65	P3966.15	1251.8	P3956.4
1059.5	P4067.95	1105	P4022	1199.814	P3977.814	1244.671	P3965.7	1251.84	P3956.5
1059.6	P4068.07	1106	P4020	1199.815	P3977.815	1244.96	P3966.5	1251.881	P3954.968
1059.9	P4068.05	1107	P4026	1199.819	P3977.82	1244.97	P3966.51	1251.882	P3954.967
1060	P4068	1108	P4028	1199.82	P3977.822	1244.98	P3966.3	1251.9	P3954.962
1060.7	P4067.8	1112	P4034	1199.822	P3977.825	1244.98	P3966.4	1251.901	P3954.96
1060.8	P4067.9	1114	P4034.2	1199.824	P3977.83	1245.22	P3965.619	1252.3	P3954.934
1060.87	P4067.74	1122	P4045	1199.828	P3977.818	1245.23	P3965.62	1252.7	P3954.944
1060.9	P4067.7	1122.05	P4045.22	1199.83	P3977.819	1245.24	P3965.621	1252.8	P3954.943
1061	P4067	1124	P4044	1199.832	P3977.835	1245.901	P3965.5	1252.81	P3954.93
1061.01	P4067.3	1124.1	P4043	1199.834	P3977.84	1246	P3965.54	1252.82	P3954.932
1061.1	P4067.5	1129	P4043.83	1202	P3971	1247	P3965.52	1252.83	P3954.933
1061.12	P4067.4	1131	P4043.8	1203	P3971.1	1247.2	P3965.59	1252.84	P3954.9335
1061.3	P4067.41	1131.1	P4042.8	1209	P3971.9	1248.1	P3965.57	1252.85	P3954.935
1062	P4066.3	1139	P3988	1210	P3972	1248.11	P3965.571	1252.86	P3954.94
1063	P4066.55	1143	P3985	1210.1	P3972.1	1248.12	P3965.574	1252.862	P3954.945
1064	P4066.52	1145	P4062	1212.1	P3970.5	1248.13	P3965.5741	1252.87	P3954.92
1065	P4066.5	1175	P3986	1213	P3972.5	1248.14	P3965.576	1252.88	P3954.921
1066	P4066.48	1176	P3984.5	1214	P3972.51	1248.15	P3965.5761	1252.89	P3954.922
1066.3	P4066.475	1176.1	P3984.6	1220.1	P3972.15	1248.5	P3965.4	1252.9	P3954.923
1066.4	P4066.47	1176.109	P3984.69	1221	P3976	1249	P3965.3	1252.91	P3954.924
1066.6	P4066.46	1176.11	P3984.7	1222	P3976.1	1250	P3965.2	1252.92	P3954.925
1066.8	P4066.465	1177	P3984	1223	P3975	1250.1	P3965.1	1252.93	P3954.948
1067	P4066.45	1179	P3983.6	1225	P3977	1250.21	P3965.15	1260	P3948.18
1067.12	P4066.445	1180	P3983.61	1225.3	P3977.2	1250.25	P3965.16	1261	P3948.2
1067.13	P4066.446	1183	P3983.5	1225.31	P3977.21	1250.5	P3965.36	1262	P3948.3
1067.131	P4066.435	1184	P3983.51	1225.32	P3977.22	1250.51	P3965.34	1263	P3948.35
1067.14	P4066.44	1187	P3983.7	1225.33	P3977.22	1250.52	P3965.35	1263.01	P3948.3
1072	P4065	1188	P3983.71	1225.34	P3977.24	1251	P3965	1263.02	P3948.45
1072.4	P4065.3	1190	P3983.4	1225.35	P3977.25	1251.02	P3964.8	1263.03	P3948.5
1072.8	P4065.4	1191	P3983.41	1225.36	P3977.26	1251.04	P3964.6	1263.05	P3948.6
1072.9	P4065.5	1198.8	P3983.2	1225.37	P3977.27	1251.06	P3964.4	1263.13	P3948.61
1073	P4066	1199	P3983	1225.38	P3977.28	1251.08	P3964.3	1263.14	P3948.612
1078.45	P4066.2	1199.0021	P3982.8	1225.39	P3977.29	1251.1	P3964.2	1263.15	P3948.614
1080	P4060	1199.0022	P3982.6	1225.4	P3977.3	1251.12	P3964	1263.16	P3948.616
1083.5	P4059.4	1199.0023	P3982.7	1225.41	P3977.3	1251.14	P3962	1263.17	P3948.618
1084	P4059.3	1199.003	P3982.5	1226	P3977.5	1251.16	P3960.5	1263.18	P3948.619
1084.1	P4059.2	1199.014	P3982.3	1227	P3977.51	1251.333	P3960.254	1263.19	P3948.617
1085	P4059.5	1199.0178	P3982.31	1228.1	P3977.6	1251.335	P3960.255	1263.192	P3948.623
1085.5	P4059.55	1199.018	P3982.32	1228.12	P3977.62	1251.336	P3960.253	1263.194	P3948.625
1085.505	P4059.03	1199.0181	P3982.321	1228.14	P3977.64	1251.338	P3960.256	1263.196	P3948.627
1086.005	P4059.05								

NN	INT	NN	INT	NN	INT	NN	INT	NN	INT
<b>CN G101</b>		1297.42	P3941.66	1322.83	P3931.08	1375.416	P3907.833	1380.64	P3906.9765
1263.2	P3948.622	1297.5	P3941.7	1322.84	P3931.09	1375.417	P3907.834	1380.65	P3906.9766
1263.23	P3937.45	1298	P3945	1323	P3932	1375.486	P3911.38	1380.66	P3906.9767
1263.24	P3937.5	1299	P3941.14	1323.002	P3931.2	1375.487	P3911.39	1380.687	P3906.978
1263.25	P3937.51	1300	P3941.15	1323.003	P3931.091	1375.515	P3911.4	1380.688	P3906.977
1263.26	P3948.63	1301	P3941.16	1323.004	P3931.1	1375.516	P3911.45	1380.7	P3906.975
1263.27	P3948.631	1302	P3941.151	1323.006	P3931.22	1375.543	P3911.568	1380.71	P3906.974
1263.28	P3948.55	1303	P3941.17	1323.008	P3931.12	1375.544	P3911.569	1380.75	P3906.9735
1263.31	P3954.3	1305	P3941.12	1323.009	P3932.18	1375.565	P3911.59	1380.76	P3906.9736
1263.34	P3954.7	1307	P3941.13	1323.01	P3932.2	1375.566	P3911.57	1380.8	P3906.97
1263.37	P3953.81	1308	P3936	1323.02	P3932.3	1375.5681	P3911.591	1380.81	P3906.972
1263.38	P3953.82	1308.1	P3935.9	1323.025	P3932.35	1375.5682	P3911.592	1380.82	P3906.973
1263.39	P3953.823	1309	P3935.8	1323.03	P3932.1	1375.639	P3911.56	1380.83	P3906.971
1263.4	P3953.824	1310	P3935	1323.04	P3932.12	1375.64	P3911.55	1380.84	P3906.9721
1263.41	P3953.821	1310.1	P3934	1323.0451	P3932.15	1375.662	P3911.54	1380.85	P3906.9731
1263.42	P3953.822	1310.621	P3933.36	1323.0452	P3932.16	1375.665	P3911.52	1381	P3906.78
1263.43	P3953.9	1310.6215	P3933.365	1323.0453	P3932.13	1375.67	P3911.5	1381.001	P3906.781
1263.44	P3954.65	1310.622	P3933.37	1323.0454	P3932.14	1375.69	P3911.46	1381.01	P3906.783
1263.45	P3954.9	1310.628	P3933.3	1323.071	P3931.0745	1376.8	P3907.38	1381.02	P3906.7831
1263.46	P3954.91	1310.629	P3933.35	1323.072	P3931.0744	1376.9	P3907.381	1381.03	P3906.782
1263.47</									









NN	INT	NN	INT	NN	INT	NN	INT	NN	INT
CN G103									
4049	P3595.3	4086.542	P3581.279	4342.1	P3461.5	4415.05	P3456.35	4560.82	P3407.85
4050	P3595.5	4086.543	P3581.278	4344	P3462	4415.06	P3456.36	4560.821	P3407.86
4050.02	P3588.52	4086.544	P3581.277	4344.5	P3464.5	4415.9	P3468.05	4560.822	P3407.87
4050.03	P3588.5	4086.545	P3581.2785	4345.01	P3463.5	4416.35	P3468.4	4560.9	P3407.8
4050.04	P3588.51	4086.55	P3581.275	4346	P3464	4416.507	P3468.5	4560.91	P3407.81
4050.05	P3588.53	4086.56	P3581.276	4347	P3465	4416.508	P3468.51	4561.1511	P3407.63
4050.06	P3588.54	4086.57	P3581.273	4347.1	P3465.25	4416.509	P3468.52	4561.1512	P3407.64
4050.351	P3588.8	4086.6	P3581.274	4347.5	P3465.24	4416.811 -	P3468.1	4561.75	P3407.67
4050.352	P3588.81	4086.61	P3581.25	4348	P3465.305	4416.87	P3468.1	4563	P3410
4050.8	P3588.6	4086.613	P3581.264	4348.5	P3465.306	4416.871 -	P3468.2	4563.3	P3411
4050.9	P3587.28	4086.616	P3581.263	4349	P3465.32	4416.89	P3468.2	4567	P3412
4051	P3587.25	4086.62	P3581.252	4349.2	P3465.322	4417.52	P3468.8	4569	P3412.5
4051.01	P3587.2	4086.63	P3581.238	4351	P3465.307	4417.55	P3468.9	4570	P3413
4051.02	P3587.201	4086.64	P3581.242	4351.1	P3465.308	4417.58	P3468.95	4571.021	P3413.5
4051.041	P3587.14	4086.65	P3581.24	4356	P3466	4417.7	P3469	4571.022	P3413.6
4051.042	P3587.15	4087	P3581.228	4357.8	P3521.08	4417.71	P3469.1	4575	P3407
4051.043	P3587.16	4087.1	P3581.234	4358	P3521.1	4417.74	P3469.2	4575.19	P3406.915
4051.044	P3587.17	4087.2	P3581.236	4358.01	P3521.05	4421.041	P3471.7	4575.2	P3406.91
4052.5	P3586.95	4087.393	P3581.249	4358.011	P3521.04	4421.042	P3471.8	4575.4	P3406.92
4052.6	P3586.951	4087.92	P3581.23	4358.02	P3521.03	4421.043	P3471.9	4575.5	P3406.902
4053	P3587	4087.94	P3581.224	4358.03	P3521.025	4424	P3472	4575.6	P3406.903
4055	P3587.1	4087.95	P3581.222	4358.04	P3521.02	4426	P3473.9	4575.7	P3406.904
4056	P3587.11	4087.955	P3581.22	4358.05	P3521.01	4427.1	P3474.1	4575.8	P3406.905
4056.101	P3587.05	4088.01	P3581.243	4358.06	P3521.005	4428	P3474	4575.9	P3406.908
4056.102	P3587.06	4088.1	P3581.244	4358.5	P3521.308	4429.51	P3474.6	4576	P3406.93
4064	P3586.7	4088.2	P3581.245	4361.1	P3521.4	4429.52	P3474.605	4578	P3406.2
4065.01	P3586.6	4088.3	P3581.248	4361.18	P3521.43	4429.525	P3474.701	4579.9	P3406.09
4065.02	P3586.61	4088.8	P3581.13	4361.19	P3521.46	4429.526	P3474.702	4582	P3406.1
4067	P3586.5	4088.801	P3581.131	4365.11	P3526.5	4431.15	P3475.1	4583	P3406.9
4073	P3586	4088.802	P3581.12	4374.31	P3465.45	4431.41	P3475.5	4587	P3406
4074.1	P3585.8	4088.803	P3581.12	4374.32	P3465.451	4431.42	P3475.52	4588.1	P3406.7
4075	P3585	4088.804	P3581.11	4374.726	P3465.39	4439	P3476	4589	P3406.5
4076	P3585.6	4089.4	P3580.98	4374.89	P3465.41	4440	P3476.1	4591	P3405.85
4077	P3585.5	4089.85	P3578.48	4374.9	P3465.4	4448	P3477	4595.5	P3405.8
4077.3	P3584.5	4090.2	P3578.56	4378	P3466	4448.1	P3477.1	4596	P3405.9
4078	P3584	4090.21	P3578.57	4378.591	P3449.55	4448.2	P3478	4597	P3405.7
4078.41	P3583.6	4090.24	P3578.52	4378.65	P3449.5	4448.21	P3478.1	4597.5	P3405.75
4078.6	P3583.5	4090.31	P3578.53	4378.66	P3449.51	4448.3	P3479	4611.05	P3405.76
4079	P3583	4090.32	P3578.52	4378.661	P3449.57	4448.31	P3479.1	4611.1	P3405.612
4079.1	P3583.1	4090.7	P3578.65	4378.7101	P3449.58	4448.4	P3480	4611.2	P3405.612
4080	P3582	4281.1	P3521.35	4378.7102	P3449.59	4448.41	P3480.1	4611.3	P3405.613
4080.6	P3581.8	4281.8	P3517	4378.7102	P3449.59	4448.41	P3480.1	4612	P3405.62
4081	P3581.345	4282	P3515	4451.16	P3481.13	4448.41	P3480.1	4612.1	P3405.63
4081.1	P3581.35	4282.05	P3523.3	4454.01	P3481.05	4451.16	P3481.13	4613	P3405.64
4083	P3581.41	4282.0605	P3523.32	4454.10	P3481.05	4454.10	P3481.05	4613.1	P3405.66
4084.1	P3581.5	4282.065	P3523.31	4454.11	P3481.13	4455	P3482	4614	P3405.67
4084.2	P3581.51	4282.07	P3523.38	4456	P3482.1	4456	P3482.1	4615	P3405.68
4084.3	P3581.33	4282.08	P3518	4459	P3482.5	4459	P3482.5	4616	P3405.69
4084.4	P3581.32	4282.1	P3520	4460	P3483	4460	P3483	4616.5	P3405.695
4084.41	P3581.321	4282.14	P3520.3	4461	P3483.1	4461	P3483.1	4617.5	P3405.495
4084.5	P3581.31	4282.14	P3520.5	4462	P3483.2	4462	P3483.2	4626	P3405.49
4084.509	P3581.305	4282.2	P3520.5	4463	P3483.21	4463	P3483.21	4645.2	P3405.4
4084.6	P3581.3	4283	P3521	4470.051 -	P3488	4470.051 -	P3488	4645.22	P3405.43
4084.8	P3581.315	4283.08	P3521.25	4491	P3490.4	4491	P3490.4	4645.28	P3404.9
4085.1	P3581.299	4283.2	P3521.18	4504	P3490.2	4504	P3490.2	4645.291	P3405.606
4085.2	P3581.298	4284	P3521.2	4510	P3490	4510	P3490	4645.3	P3405.6
4085.3	P3581.28	4284.1	P3523.5	4560.1192	P3407.48	4560.1192	P3407.48	4646	P3405.5
4085.31	P3581.218	4284.15	P3523.53	4560.1525	P3408.9	4560.1525	P3408.9	4646.5	P3405.47
4085.55	P3581.27	4284.2	P3523.55	4560.1526	P3408.91	4560.1526	P3408.91	4647	P3405.48
4085.6	P3581.271	4284.3	P3523.58	4560.1527	P3408.92	4560.1527	P3408.92	4647.05	P3405.46
4085.61	P3581.256	4284.31	P3521.185	4560.19	P3408.36	4560.19	P3408.36	4647.8	P3405.1
4085.62	P3581.258	4284.32	P3521.186	4560.19	P3408.37	4560.19	P3408.37	4647.9	P3405.05
4085.63	P3581.262	4284.34	P3521.19	4560.194	P3408.38	4560.194	P3408.38	4648	P3405
4085.61	P3581.258	4284.4	P3521.15	4560.195	P3408.39	4560.195	P3408.39	4649	P3405.3
4085.62	P3581.26	4284.41	P3521.14	4560.211	P3408.41	4560.211	P3408.41	4650	P3405.2
4085.63	P3581.262	4284.41	P3521.14	4560.212	P3408.42	4560.212	P3408.42	4650.85	P3404.96
4085.631	P3581.265	4284.452	P3521.14	4560.39	P3407.55	4560.39	P3407.55	4650.9	P3404.92
4085.632	P3581.266	4284.53	P3521.13	4560.391	P3407.53	4560.391	P3407.53	4650.918	P3404.85
4085.8	P3581.282	4284.55	P3521.13	4560.4	P3407.5	4560.4	P3407.5	4652	P3404.8
4086	P3581.284	4285.1	P3521.3	4560.45	P3407.51	4560.45	P3407.51	4652.3	P3404.73
4086.1	P3581.286	4286	P3521.37	4560.48	P3407.3	4560.48	P3407.3	4652.41	P3404.67
4086.2	P3581.2796	4310	P3458	4560.49	P3407.2	4560.49	P3407.2	4652.42	P3404.68
4086.295	P3581.219	4311	P3458.1	4560.501	P3407.7	4560.501	P3407.7	4652.5	P3404.65
4086.297	P3581.217	4329	P3457.6	4560.502	P3407.75	4560.502	P3407.75	4653	P3404.6
4086.3505	P3581.2761	4330.1	P3457.4	4560.52	P3407.5	4560.52	P3407.5	4654.5	P3404.55
4086.3506	P3581.2762	4330.11	P3457.41	4560.8	P3408.3	4560.8	P3408.3	4654.513	P3404.56
4086.3507	P3581.2763	4334	P3527.1	4560.81	P3408.1	4560.81	P3408.1	4654.531	P3404.53
4086.3508	P3581.2765	4336	P3527.14	4560.8125	P3408.2	4560.8125	P3408.2	4654.532	P3404.52
4086.3509	P3581.2764	4338	P3527.16	4560.8126	P3408.25	4560.8126	P3408.25	4654.535	P3404.515
4086.385	P3581.2795	4341	P3459	4560.8141	P3407.9	4560.8141	P3407.9	4654.536	P3404.51
4086.386	P3581.2735	4342	P3460					4655	P3404.4

NN	INT	NN	INT	NN	INT	NN	INT	NN	INT
CN G103									
4656.2	P3404.3	4742	P3379	4833	P3334.5	4913.0311	P3319.19	5022.1	P3343.3
4656.4	P3404.2	4743	P3379.1	4834.07	P3328.51	4913.0312	P3319.191	5022.2	P3343.32
4656.5	P3404.18	4744.5	P3381.55	4834.08	P3328.52	4914.181	P3319.65	5022.3	P3343.34
4669.05	P3404.1	4745.11	P3381.19	4834.09	P3328.5	4914.2	P3319.1	5022.7	P3345.2
4669.06	P3404.15	4745.2	P3381.2	4835	P3328.5	4914.21	P3319.15	5023	P3345
4669.07	P3404.08	4745.3	P3381.23	4835.5	P3327.4	4914.27	P3319.18	5023.105	P3343.25
4669.5	P3404	4745.4	P3381.25	4835.51	P3327.41	4914.538	P3319.349	5023.106	P3343.26
4669.52	P3404.05	4747.1	P3385	4836	P3327.3	4914.539	P3319.35	5023.5	P3343.2
4669.53	P3404.04	4747.11	P3385.1	4836.1	P3327.35	4920	P3319.3	5023.85	P3343
4669.54	P3404.07	4747.12	P3381.9	4836.2	P3327.35	4921	P3319.4	5023.93	P3342.74
4669.55	P3404.06	4747.13	P3381.8	4837	P3327.5	4921.1	P3319	5023.95	P3342.73
4670	P3403.6	4747.14	P3381.7	4837.1	P3327.52	4923	P3319.2	5024	P3342.5
4671	P3403.5	4751.1	P3381.65	4841	P3327.6	4924	P3319.22	5024.1	P3342.68
4672	P3403.51	4751.11	P3381.651	4842	P3327.61	4925	P3319.5	5024.21	P3342.6
4674.17	P3403.9	4751.12	P3381.652	4847	P3327.55	4934	P3319.575	5024.22	P3342.62
4674.21	P3403.8	4751.65	P3381.68	4847.5	P3327.58	4935	P3319.576	5026	P3342
4674.31	P3403.3	4751.901	P3384.1	4847.51	P3327.57	4938	P3319.583	5028	P3340
4674.32	P3403.28	4751.902	P3384.11	4851	P3327.25	4938.1	P3319.5812	5028.5	P3341
4674.37	P3403.25	4754.985	P3383.5	4852	P3327.23	4938.11	P3319.5813	5029	P3340.5
4674.4	P3403.2	4754.986	P3383.6	4853	P3327.22	4938.12	P3319.5814	5030	P3340.56
4674.7	P3403.15	4755	P3383	4854	P3327.21	4938.13	P3319.5815	5031	P3340.5

NN	INT	NN	INT	NN	INT	NN	INT	NN	INT
CN G103		10150	P4693.8	13040	P4661.87	22300	P4659.4	31770	P4624.49
5104	P3357	10160	P4693.4	14010	P4661.8	22310	P4659.2	31780	P4624.495
5105	P3357.2	10170	P4693.6	14020	P4661.81	22320	P4659.11	31790	P4624.45
5107	P3357.5	10200	P4693	14040	P4661.6	22340	P4659.1	31800	P4624.46
5107.1	P3357.4	10260	P4692.4	14050	P4661.79	22360	P4658.84	31860	P4624.5
5108	P3337	10270	P4692.2	14070	P4661.82	22370	P4658.82	31945	P4610.1
5109	P3337.6	10280	P4692.21	14120	P4661.5	22380	P4658.8	31950	P4610
5110	P3337.61	10290	P4692.8	15010	P4661.3	23010	P4658.4	31970	P4609.22
5112	P3337.3	10300	P4692.82	15020	P4661.2	23030	P4658.72	31975	P4609.15
5113	P3337.1	10310	P4692.81	15030	P4661.05	23040	P4658.71	31980	P4609.2
5113.1	P3337.8	10330	P4692.83	15040	P4661.06	23420	P4631.85	31990	P4609.1
5113.11	P3337.82	10410	P4672.23	15100	P4660.998	23460	P4631.5	31995	P4609
5113.25	P3336.46	10420	P4672.24	15120	P4660.995	30010	P4631.1	32010	P4608.61
5113.26	P3336.43	10430	P4672.15	15130	P4660.993	30020	P4631	32020	P4608.6
5113.27	P3336.44	10440	P4672.14	15140	P4660.994	30030	P4631.3	32030	P4608.63
5113.29	P3336.5	10460	P4672	15290	P4660.99	30040	P4631.2	32040	P4608.62
5113.3	P3336.6	10470	P4672.12	15310	P4660.991	30070	P4630.62	32060	P4608.2
5113.5	P3336.3	10480	P4672.1	15320	P4660.98	30080	P4630.61	32080	P4608
5113.51	P3336.2	10490	P4670.32	15340	P4660.985	30110	P4630.52	32090	P4607.1
5113.6	P3336.33	10500	P4670.33	20010	P4660.978	30120	P4630.51	32110	P4606.28
5113.7	P3336.4	10510	P4670.3	20030	P4660.952	30150	P4630.7	32120	P4606.29
5113.8	P3336.41	10520	P4670.31	20060	P4660.945	30170	P4630.2	32140	P4606.2
5114	P3337.88	10540	P4670.2	20070	P4660.2	30180	P4630	32150	P4606.22
5114.1	P3337.85	10550	P4670.1	20075	P4660.3	30190	P4629.9	32170	P4606
5115	P3337.89	10560	P4670.15	20080	P4660.15	30200	P4629.92	32180	P4606.1
5116	P3337.9	10580	P4668	20110	P4660.48	30210	P4628	32190	P4611
5118	P3338.1	10590	P4668.5	20120	P4660.481	30220	P4629.24	32200	P4611.2
5119	P3338.2	10600	P4667	20135	P4660.5	30230	P4629.23	32240	P4611.66
5119.1	P3338.25	10610	P4667.1	20140	P4660.94	30240	P4629	32250	P4611.65
5120	P3338.23	10620	P4666.2	20150	P4660.941	30250	P4629.2	32260	P4612
5121	P3338.3	10630	P4666	20160	P4660.4	30260	P4629.21	32270	P4612.2
5121.041	P3338.311	10640	P4664	20170	P4660.6	30270	P4628.2	32280	P4612.22
5121.042	P3338.312	10650	P4665.2	20190	P4660.64	30300	P4629.25	32300	P4605.6
5121.1	P3338.32	10660	P4665	20200	P4660.66	30310	P4629.26	32330	P4605
5122	P3338.33	10670	P4665.5	20210	P4660.67	30320	P4629.27	32340	P4605.2
5122.1	P3338.34	10680	P4665.4	20220	P4660.7	30330	P4629.3	32370	P4604
5123	P3338.4	10690	P4666.5	20230	P4660.8	30340	P4629.35	32410	P4603.04
5124	P3338.6	10710	P4664.5	20240	P4660.9	30350	P4629.355	32420	P4603.06
5125	P3338.5	10740	P4663.3	20250	P4660.92	30500	P4628.1	32430	P4603.4
5125.1	P3338.52	10750	P4663.4	20270	P4660.932	30510	P4628.15	32440	P4603.5
5127	P3338.7	10760	P4663.5	20320	P4660.63	31010	P4627.4	32450	P4603.2
5128	P3338.71	10780	P4663.2	20330	P4660.635	31015	P4627.45	32460	P4602.2
5131.1	P3338.72	10860	P4663.25	20340	P4660.637	31045	P4627.2	32470	P4602
5132	P3338.74	11010	P4692.86	20350	P4660.65	31055	P4627.1	32480	P4602.8
5133	P3338.741	11020	P4692.87	20355.1	P4660.934	31060	P4627	32490	P4601
5134	P3338.73	11030	P4692.84	20355.2	P4660.933	31095	P4626.92	32500	P4600.5
5135	P3338.752	11040	P4692.85	20495.1	P4660.624	31100	P4626.9	33850	P4670
5136	P3338.75	11050	P4685	20495.2	P4660.625	31180	P4626.43	34090	P4661.95
5137	P3338.751	11060	P4684	20495.3	P4660.622	31185	P4626.4	34110	P4661.7
5139	P3338.753	11070	P4686	20495.4	P4660.623	31190	P4626.41	34260	P4658.7
5144	P3338.754	11080	P4689.6	20500	P4659.8	31195	P4626.3	34510	P4660.93
5145	P3338.755	11090	P4688	20510	P4659.7	31200	P4626.52	35050	P4655
5146	P3338.756	11100	P4687	20520	P4659.75	31215	P4626.48	35570	P4631.7
5147	P3338.7562	11110	P4689.2	20590	P4660.617	31220	P4626.46	36170	P4626.56
5148	P3338.7564	11120	P4689.12	20600	P4660.618	31245	P4626.5	36180	P4626.54
5149.45	P3338.762	11130	P4689.1	20610	P4660.614	31260	P4626.295	36300	P4621
5149.52	P3338.76	11140	P4689	20620	P4660.615	31265	P4626.29	36370	P4621.52
5149.53	P3338.761	11160	P4672.2	20630	P4660.61	31270	P4626.2	36550	P4624.47
5149.54	P3338.758	11170	P4672.21	20640	P4660.611	31275	P4626.25	36560	P4624.51
5149.55	P3338.759	11200	P4678	20650	P4660.62	31290	P4626.13	37240	P4701.19
5149.7	P3338.77	11280	P4675.5	20660	P4660.621	31320	P4620	37640	P4676.6
5149.8	P3338.9	11290	P4675	20680	P4660.676	31340	P4618	37660	P4683
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10030	P4693.91	12090	P4663	22100	P4659.435	31510	P4623.57	40150	P4713.5
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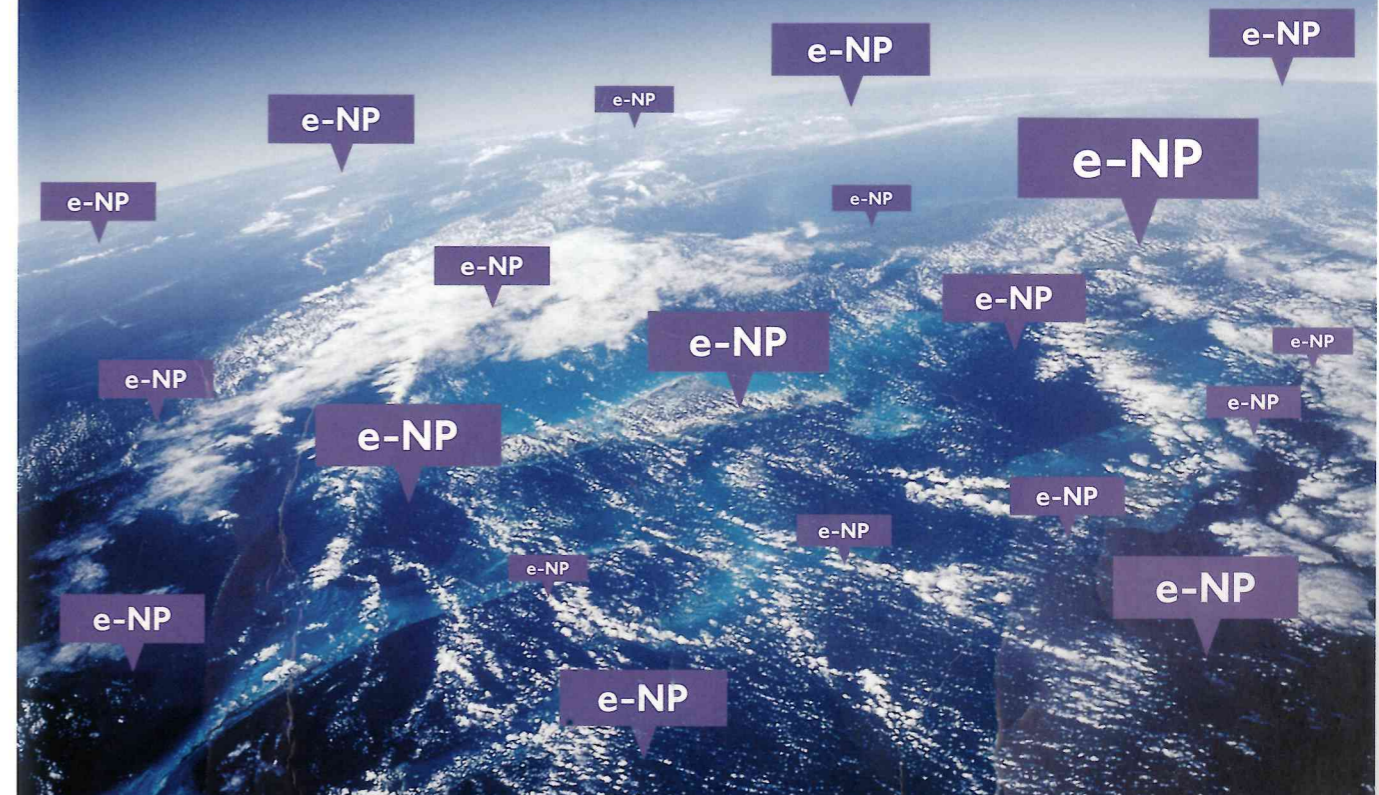
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