



JAPAN P&I NEWS

To the Members

**Stownet fishing season in Bisan Seto 2019 –
The expected navigable water area in the traffic lane during the peak season**

The stownet fishing season will start from 1 February 2019 throughout Bisan Seto, Japan. We obtained a table on the expected navigable water area in the traffic lane during the peak season from Licensed Inlandsea Pilots' Association. We attach a free translation of the table for your reference.

Yours faithfully,

The Japan Ship Owners' Mutual Protection & Indemnity Association

Attachment: Table by Licensed Inlandsea Pilots' Association (free translation)

The expected navigable water area in the traffic lane
 during the peak season of Stownet-fishing
 1st February, 2019 ~ 31st August, 2019
 the expected area : west and east of Ogijima Island

Difficulty in navigation:
 △→○→◎(maximum)

Date	Day	Lunar Calendar	Sunrise Sunset	The time of slack water between sunrise to sunset	Number of operating times	Water temp. (°C / last Year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current DIR	Maximum current speed		West of Ogijima	East of Ogijima	
										Time	Speed			
1-Feb	Fri.	27-Dec	07:01 17:34	08:25 14:34	2	7.90		08:25 ~ 14:34	E	11:14	1.2			
								14:34 ~ 17:34	W	17:25	1.3			
2-Feb	Sat.	28-Dec	07:01 17:35	09:17 15:31	3	7.90	Off	07:01 ~ 09:17	W	06:04	2.2			
								09:17 ~ 15:31	E	12:09	1.4			
								15:31 ~ 17:35	W	18:18	1.5			
3-Feb	Sun.	29-Dec	07:00 17:36	09:59 16:17	2	7.90		07:00 ~ 09:59	W	06:51	2.5			
								09:59 ~ 16:17	E	12:54	1.6			
4-Feb	Mon.	30-Dec	06:59 17:37	10:37 16:57	2	7.70		06:59 ~ 10:37	W	07:32	2.6			
								10:37 ~ 16:57	E	13:30	1.7			
5-Feb	Tue.	1-Jan	06:58 17:38	11:10 17:31	2	7.10	Off	06:58 ~ 11:10	W	08:09	2.7			
								11:10 ~ 17:31	E	14:00	1.8			
6-Feb	Wed.	2-Jan	06:58 17:39	11:41	2	7.10		06:58 ~ 11:41	W	08:42	2.7			
								11:41 ~ 17:39	E	14:27	1.9			
7-Feb	Thu.	3-Jan	06:57 17:40	12:09	2	6.80		06:57 ~ 12:09	W	09:14	2.7			
								12:09 ~ 17:40	E	14:53	2.0			
8-Feb	Fri.	4-Jan	06:56 17:41	12:37	2	6.90		06:56 ~ 12:37	W	09:44	2.5			
								12:37 ~ 17:41	E	15:20	2.0			
9-Feb	Sat.	5-Jan	06:55 17:42	13:05	2	7.00	Off	06:55 ~ 13:05	W	10:13	2.4			
								13:05 ~ 17:42	E	15:50	2.1			
10-Feb	Sun.	6-Jan	06:54 17:43	07:19 13:36	2	7.20	Off	07:19 ~ 13:36	W	10:44	2.2			
								13:36 ~ 17:43	E	16:24	2.1			
11-Feb	Mon.	7-Jan	06:53 17:44	07:55 14:11	2	7.20		07:55 ~ 14:11	W	11:18	2.0			
								14:11 ~ 17:44	E	17:05	2.0			
12-Feb	Tue.	8-Jan	06:52 17:45	08:40 14:52	2	6.90		08:40 ~ 14:52	W	11:58	1.7		Non-fishing	
								14:52 ~ 17:45	E	17:54	1.9			
13-Feb	Wed.	9-Jan	06:51 17:46	09:36 15:43	Non-fishing	7.00		Non-fishing						
14-Feb	Thu.	10-Jan	06:50 17:47	10:52 16:51	2	7.00		06:50 ~ 10:52	E	07:46	1.2	Non-fishing		
								10:52 ~ 16:51	W	14:04	1.1			
15-Feb	Fri.	11-Jan	06:49 17:47	12:30	2	7.10		06:49 ~ 12:30	E	09:14	1.1	Non-fishing		
								12:30 ~ 17:47	W	15:43	1.0			
16-Feb	Sat.	12-Jan	06:48 17:48	07:57 14:07	2	7.20	Off	07:57 ~ 14:07	E	10:37	1.3			
								14:07 ~ 17:48	W	17:09	1.3			
17-Feb	Sun.	13-Jan	06:47 17:49	09:01 15:18	3	7.20		06:47 ~ 09:01	W	05:52	2.4			
								09:01 ~ 15:18	E	11:48	1.6			
								15:18 ~ 17:49	W	18:13	1.7			
18-Feb	Mon.	14-Jan	06:46 17:50	09:54 16:12	2	7.20		06:46 ~ 09:54	W	06:47	2.8			
								09:54 ~ 16:12	E	12:46	2.0			
19-Feb	Tue.	15-Jan	06:45 17:51	10:40 16:58	2	7.30	Off	06:45 ~ 10:40	W	07:35	3.2			○
								10:40 ~ 16:58	E	13:35	2.3			
20-Feb	Wed.	16-Jan	06:44 17:52	11:22 17:40	2	7.50		06:44 ~ 11:22	W	08:19	3.3			○
								11:22 ~ 17:40	E	14:18	2.4			
21-Feb	Thu.	17-Jan	06:43 17:53	12:01	2	7.50		06:43 ~ 12:01	W	09:01	3.3			○
								12:01 ~ 17:53	E	14:57	2.5			
22-Feb	Fri.	18-Jan	06:42 17:54	12:38	2	7.60		06:42 ~ 12:38	W	09:41	3.2			○
								12:38 ~ 17:54	E	15:34	2.5			
23-Feb	Sat.	19-Jan	06:41 17:55	07:15 13:13	2	7.50	Off	07:15 ~ 13:13	W	10:19	2.9			○
								13:13 ~ 17:55	E	16:10	2.4			
24-Feb	Sun.	20-Jan	06:39 17:56	07:55 13:47	2	7.70		07:55 ~ 13:47	W	10:58	2.5			△
								13:47 ~ 17:56	E	16:46	2.2			
25-Feb	Mon.	21-Jan	06:38 17:57	08:35 14:23	3	7.90		06:38 ~ 08:35	E	05:11	1.9			
								08:35 ~ 14:23	W	11:37	2.0			
								14:23 ~ 17:57	E	17:25	2.0			
26-Feb	Tue.	22-Jan	06:37 17:57	09:19 15:02	3	8.00	Off	06:37 ~ 09:19	E	05:58	1.5			
								09:19 ~ 15:02	W	12:19	1.6			
								15:02 ~ 17:57	E	18:11	1.8			
27-Feb	Wed.	23-Jan	06:36 17:58	10:12 15:50	3	7.90		06:36 ~ 10:12	E	06:56	1.2		Non-fishing	
								10:12 ~ 15:50	W	13:10	1.2			
28-Feb	Thu.	24-Jan	06:35 17:59	11:21 16:52	Non-fishing	8.00		Non-fishing day						

The expected navigable water area in the traffic lane
 during the peak season of Stownet-fishing
 1st February, 2019 ~ 31st August, 2019
 the expected area : west and east of Ogijima Island

Difficulty in navigation:
 △→○→◎(maximum)

Date	Day	Lunar Calendar	Sunrise Sunset	The time of slack water between sunrise to sunset	Number of operating times	Water temp. (°C / last Year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current DIR	Maximum current speed		West of Ogijima	East of Ogijima	
1-Mar	Fri.	25-Jan	06:33 18:00	06:46 12:49	2	8.20		06:46 ~ 12:49	E	9:30	0.9	Non-fishing		
								12:49 ~ 18:00	W	15:43	0.9			
2-Mar	Sat.	26-Jan	06:32 18:01	07:56 14:10	2	8.40	Off	07:56 ~ 14:10	E	10:46	1.0	Non-fishing		
								14:10 ~ 18:01	W	16:59	1.0			
3-Mar	Sun.	27-Jan	06:31 18:02	08:49 15:09	3	8.50		06:31 ~ 08:49	W	05:38	1.9			
								08:49 ~ 15:09	E	11:45	1.2			
								15:09 ~ 18:02	W	17:57	1.3			
4-Mar	Mon.	28-Jan	06:30 18:03	09:31 15:53	3	8.60		06:30 ~ 09:31	W	06:27	2.2			
								09:31 ~ 15:53	E	12:29	1.5			
								15:53 ~ 18:03	W	18:43	1.7			
5-Mar	Tue.	29-Jan	06:28 18:03	10:08 16:30	2	8.90	Off	06:28 ~ 10:08	W	07:07	2.4			△
								10:08 ~ 16:30	E	13:03	1.8			
6-Mar	Wed.	30-Jan	06:27 18:04	10:40 17:02	2	8.80		06:27 ~ 10:40	W	07:44	2.6			○
								10:40 ~ 17:02	E	13:32	1.9			
7-Mar	Thu.	1-Feb	06:26 18:05	11:10 17:30	2	8.90		06:26 ~ 11:10	W	08:18	2.6			◎
								11:10 ~ 17:30	E	13:59	2.1			
8-Mar	Fri.	2-Feb	06:25 18:06	11:39 17:55	2	8.80		06:25 ~ 11:39	W	08:49	2.6			◎
								11:39 ~ 17:55	E	14:24	2.2			
9-Mar	Sat.	3-Feb	06:23 18:07	12:06	2	8.80	Off	06:23 ~ 12:06	W	09:19	2.5			○
								12:06 ~ 18:07	E	14:51	2.3			
10-Mar	Sun.	4-Feb	06:22 18:07	06:30 12:34	2	8.50		06:30 ~ 12:34	W	09:49	2.4			△
								12:34 ~ 18:07	E	15:21	2.3			
11-Mar	Mon.	5-Feb	06:21 18:08	07:00 13:03	2	8.80		07:00 ~ 13:03	W	10:18	2.2			
								13:03 ~ 18:08	E	15:53	2.3			
12-Mar	Tue.	6-Feb	06:19 18:09	07:35 13:36	3	9.00	Off	06:19 ~ 07:35	E	04:17	2.0			
								07:35 ~ 13:36	W	10:51	1.9			
								13:36 ~ 18:09	E	16:31	2.2			
13-Mar	Wed.	7-Feb	06:18 18:10	08:17 14:14	3	9.00		06:18 ~ 08:17	E	05:03	1.8			
								08:17 ~ 14:14	W	11:29	1.6			
								14:14 ~ 18:10	E	17:17	2.0			
14-Mar	Thu.	8-Feb	06:17 18:11	09:12 15:03	3	9.20		06:17 ~ 09:12	E	06:00	1.4		Non-fishing	
								09:12 ~ 15:03	W	12:19	1.2			
15-Mar	Fri.	9-Feb	06:15 18:11	10:30 16:13	Non-fishing	9.40		Non-fishing day						
16-Mar	Sat.	10-Feb	06:14 18:12	12:17 17:49	2	9.40	Off	06:14 ~ 12:17	E	08:54	1.0	Non-fishing		
								12:17 ~ 17:49	W	15:21	0.9			
17-Mar	Sun.	11-Feb	06:13 18:13	07:37 13:54	3	9.20		06:13 ~ 07:37	W	04:22	1.8	Non-fishing		
								07:37 ~ 13:54	E	10:24	1.6			
								13:54 ~ 18:13	W	16:52	1.2			
18-Mar	Mon.	12-Feb	06:11 18:14	08:41 14:59	3	9.40		06:11 ~ 08:41	W	05:33	2.3			
								08:41 ~ 14:59	E	11:34	1.7			
								14:59 ~ 18:14	W	17:57	1.8			
19-Mar	Tue.	13-Feb	06:10 18:15	09:31 15:49	3	9.50		06:10 ~ 09:31	W	06:28	2.7			
								09:31 ~ 15:49	E	12:28	2.1			
								15:49 ~ 18:15	W	18:48	2.3			
20-Mar	Wed.	14-Feb	06:08 18:15	10:15 16:33	3	9.50	Off	06:08 ~ 10:15	W	07:15	3.0			○
								10:15 ~ 16:33	E	13:13	2.4			
21-Mar	Thu.	15-Feb	06:07 18:16	10:55 17:13	2	9.40		06:07 ~ 10:55	W	07:58	3.2			◎
								10:55 ~ 17:13	E	13:53	2.6			
22-Mar	Fri.	16-Feb	06:06 18:17	11:31 17:51	2	9.40		06:06 ~ 11:31	W	08:38	3.2			◎
								11:31 ~ 17:51	E	14:29	2.7			
23-Mar	Sat.	17-Feb	06:04 18:18	06:16 12:06	2	9.30	Off	06:16 ~ 12:06	W	09:17	3.0			◎
								12:06 ~ 18:18	E	15:04	2.7			
24-Mar	Sun.	18-Feb	06:03 18:18	06:55 12:39	2	9.30		06:55 ~ 12:39	W	09:53	2.7			○
								12:39 ~ 18:18	E	15:37	2.7			
25-Mar	Mon.	19-Feb	06:02 18:19	07:32 13:11	3	9.70		06:02 ~ 07:32	E	04:05	2.3			○
								07:32 ~ 13:11	W	10:29	2.3			
								13:11 ~ 18:19	E	16:10	2.4			
26-Mar	Tue.	20-Feb	06:00 18:20	08:09 13:44	3	10.00	Off	06:00 ~ 08:09	E	04:42	1.9			
								08:09 ~ 13:44	W	11:06	1.9			
								13:44 ~ 18:20	E	16:44	2.1			
27-Mar	Wed.	21-Feb	05:59 18:21	08:48 14:20	3	10.20		05:59 ~ 08:48	E	05:23	1.5			
								08:48 ~ 14:20	W	11:45	1.5			
								14:20 ~ 18:21	E	17:24	1.8			
28-Mar	Thu.	22-Feb	05:58 18:22	09:35 15:03	3	10.20		05:58 ~ 09:35	E	06:13	1.1			
								09:35 ~ 15:03	W	12:31	1.1			
29-Mar	Fri.	23-Feb	05:56 18:22	10:41 16:03	Non-fishing	10.30		Non-fishing day						
30-Mar	Sat.	24-Feb	05:55 18:23	05:58 12:11	Non-fishing	10.50	Off	Non-fishing day						
31-Mar	Sun.	25-Feb	05:53 18:24	07:12 13:36	2	10.50		07:12 ~ 13:36	E	10:06	0.9	Non-fishing		
								13:36 ~ 18:24	W	16:27	0.9			

The expected navigable water area in the traffic lane
 during the peak season of Stownet-fishing
 1st February, 2019 ~ 31st August, 2019
 the expected area : west and east of Ogijima Island

Difficulty in navigation:
 △→○→◎(maximum)

Date	Day	Lunar Calendar	Sunrise Sunset	The time of slack water between sunrise to sunset	Number of operating times	Water temp. (°C / last Year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current DIR	Maximum current speed		West of Ogijima	East of Ogijima	
										Time	Speed			
1-Apr	Mon.	26-Feb	05:52 18:25	08:08 14:35	3	10.70		05:52 ~ 08:08 08:08 ~ 14:35 14:35 ~ 18:25	W E W	05:03 11:06 17:29	1.6 1.2 1.3			
2-Apr	Tue.	27-Feb	05:51 18:25	08:52 15:19	3	11.00	Off	05:51 ~ 08:52 08:52 ~ 15:19 15:19 ~ 18:25	W E W	05:54 11:50 18:16	1.9 1.5 1.7			
3-Apr	Wed.	28-Feb	05:49 18:26	09:30 15:55	3	11.20		05:49 ~ 09:30 09:30 ~ 15:55 15:55 ~ 18:26	W E W	06:37 12:25 18:57	2.2 1.8 2.1			
4-Apr	Thu.	29-Feb	05:48 18:27	10:04 16:27	3	11.40		05:48 ~ 10:04 10:04 ~ 16:27 16:27 ~ 18:27	W E W	07:15 12:57 19:33	2.4 2.1 2.3			△
5-Apr	Fri.	1-Mar	05:47 18:28	10:35 16:56	3	11.60		05:47 ~ 10:35 10:35 ~ 16:56 16:56 ~ 18:28	W E W	07:50 13:26 20:07	2.5 2.3 2.5			○
6-Apr	Sat.	2-Mar	05:45 18:28	11:05 17:23	2	11.90	Off	05:45 ~ 11:05 11:05 ~ 17:23	W E	08:23 13:54	2.5 2.4			○
7-Apr	Sun.	3-Mar	05:44 18:29	11:35 17:49	2	11.60		05:44 ~ 11:35 11:35 ~ 17:49	W E	08:54 14:23	2.4 2.5			○
8-Apr	Mon.	4-Mar	05:43 18:30	06:15 12:04	2	11.80		06:15 ~ 12:04 12:04 ~ 18:17	W E	09:26 14:54	2.2 2.5			△
9-Apr	Tue.	5-Mar	05:41 18:31	06:47 12:34	2	12.00	Off	06:47 ~ 12:34 12:34 ~ 18:31	W E	09:58 15:27	2.0 2.4			
10-Apr	Wed.	6-Mar	05:40 18:31	07:23 13:07	3	12.20		05:40 ~ 07:23 07:23 ~ 13:07 13:07 ~ 18:31	E W E	04:00 10:32 16:05	2.0 1.7 2.2			
11-Apr	Thu.	7-Mar	05:39 18:32	08:07 13:47	3	12.30		05:39 ~ 08:07 08:07 ~ 13:47 13:47 ~ 18:32	E W E	04:46 11:12 16:50	1.7 1.4 2.0			
12-Apr	Fri.	8-Mar	05:38 18:33	09:05 14:37	Non-fishing	12.50		Non-fishing day						
13-Apr	Sat.	9-Mar	05:36 18:34	10:27 15:52	Non-fishing	12.40	Off	Non-fishing day						
14-Apr	Sun.	10-Mar	05:35 18:35	05:51 12:08	2	12.50		05:51 ~ 12:08 12:08 ~ 17:36	E W	08:41 15:05	1.1 0.9	Non-fishing		
15-Apr	Mon.	11-Mar	05:34 18:35	07:11 13:33	3	12.60		05:34 ~ 07:11 07:11 ~ 13:33 13:33 ~ 18:35	W E W	03:58 10:07 16:33	1.8 1.3 1.3			
16-Apr	Tue.	12-Mar	05:32 18:36	08:12 14:33	3	12.60	Off	05:32 ~ 08:12 08:12 ~ 14:33 14:33 ~ 18:36	W E W	05:09 11:11 17:36	2.1 1.7 1.9			
17-Apr	Wed.	13-Mar	05:31 18:37	09:01 15:21	3	12.70		05:31 ~ 09:01 09:01 ~ 15:21 15:21 ~ 18:37	W E W	06:04 12:01 18:27	2.5 2.3 2.5			
18-Apr	Thu.	14-Mar	05:30 18:38	09:43 16:04	3	12.80		05:30 ~ 09:43 09:43 ~ 16:04 16:04 ~ 18:38	W E W	06:51 12:44 19:11	2.8 2.5 3.0			△
19-Apr	Fri.	15-Mar	05:29 18:38	10:22 16:44	3	13.00		05:29 ~ 10:22 10:22 ~ 16:44 16:44 ~ 18:38	W E W	07:33 13:23 19:54	2.9 2.7 3.3			○
20-Apr	Sat.	16-Mar	05:28 18:39	10:58 17:22	3	13.20	Off	05:28 ~ 10:58 10:58 ~ 17:22 17:22 ~ 18:39	W E W	08:13 13:59 20:34	2.9 2.8 3.4			◎
21-Apr	Sun.	17-Mar	05:26 18:40	05:56 11:33	3	13.50		05:56 ~ 11:33 11:33 ~ 17:59 17:59 ~ 18:40	W E W	08:51 14:33 21:12	2.8 2.8 3.3			◎
22-Apr	Mon.	18-Mar	05:25 18:41	06:34 12:05	3	13.70		05:25 ~ 06:34 06:34 ~ 12:05 12:05 ~ 18:35	E W E	03:06 9:28 15:05	2.5 2.5 2.6			○
23-Apr	Tue.	19-Mar	05:24 18:41	07:10 12:37	3	14.00	Off	05:24 ~ 07:10 07:10 ~ 12:37 12:37 ~ 18:41	E W E	03:41 10:03 15:36	2.2 2.1 2.4			○
24-Apr	Wed.	20-Mar	05:23 18:42	07:46 13:10	3	14.20		05:23 ~ 07:46 07:46 ~ 13:10 13:10 ~ 18:42	E W E	04:16 10:39 16:09	1.8 1.8 2.1			
25-Apr	Thu.	21-Mar	05:22 18:43	08:23 13:45	3	14.40		05:22 ~ 08:23 08:23 ~ 13:45 13:45 ~ 18:43	E W E	04:53 11:17 16:46	1.5 1.4 1.8			
26-Apr	Fri.	22-Mar	05:21 18:44	09:07 14:26	3	14.20		05:21 ~ 09:07 09:07 ~ 14:26 14:26 ~ 18:44	E W E	05:36 12:00 17:31	1.2 1.1 1.5			
27-Apr	Sat.	23-Mar	05:19 18:45	10:07 15:23	Non-fishing	14.50	Off	Non-fishing day						
28-Apr	Sun.	24-Mar	05:18 18:45	11:26 16:46	Non-fishing	14.60		Non-fishing day						
29-Apr	Mon.	25-Mar	05:17 18:46	06:11 12:45	3	14.70		06:11 ~ 12:45 12:45 ~ 18:18 18:18 ~ 18:46	E W E	09:10 15:42 21:18	1.0 0.9 1.1	Non-fishing		
30-Apr	Tue.	26-Mar	05:16 18:47	07:13 13:47	3	14.80	Off	05:16 ~ 07:13 07:13 ~ 13:47 13:47 ~ 18:47	W E W	04:13 10:12 16:50	1.4 1.3 1.3			

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 during the peak season of Stownet-fishing
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 the expected area : west and east of Ogijima Island

Difficulty in navigation:
 △→○→◎(maximum)

Date	Day	Lunar Calendar	Sunrise Sunset	The time of slack water between sunrise to sunset	Number of operating times	Water temp. (°C / last Year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current DIR	Maximum current speed		West of Ogijima	East of Ogijima	
										Time	Speed			
1-May	Wed.	27-Mar	05:15 18:48	08:02 14:34	3	14.90		05:15 ~ 08:02 08:02 ~ 14:34 14:34 ~ 18:48	W E W	05:11 11:00 17:41	1.7 1.6 1.7			
2-May	Thu.	28-Mar	05:14 18:49	08:45 15:13	3	15.10		05:14 ~ 08:45 08:45 ~ 15:13 15:13 ~ 18:49	W E W	05:59 11:41 18:25	1.9 1.9 2.1			
3-May	Fri.	29-Mar	05:13 18:49	09:23 15:48	3	15.20	Off	05:13 ~ 09:23 09:23 ~ 15:48 15:48 ~ 18:49	W E W	06:41 12:17 19:04	2.2 2.2 2.5			
4-May	Sat.	30-Mar	05:12 18:50	09:59 16:22	3	15.20	Off	05:12 ~ 09:59 09:59 ~ 16:22 16:22 ~ 18:50	W E W	07:20 12:52 19:41	2.3 2.4 2.7			△
5-May	Sun.	1-Apr	05:11 18:51	10:33 16:53	3	15.20	Off	05:11 ~ 10:33 10:33 ~ 16:53 16:53 ~ 18:51	W E W	07:56 13:25 20:18	2.3 2.5 2.9			△
6-May	Mon.	2-Apr	05:10 18:52	05:27 11:05	3	15.40		05:27 ~ 11:05 11:05 ~ 17:25 17:25 ~ 18:52	W E W	08:32 13:58 20:54	2.2 2.6 2.9			△
7-May	Tue.	3-Apr	05:09 18:52	06:04 11:38	3	14.50		06:04 ~ 11:38 11:38 ~ 17:58 17:58 ~ 18:52	W E W	09:07 14:32 21:31	2.1 2.5 2.8			△
8-May	Wed.	4-Apr	05:08 18:53	06:41 12:12	3	15.70		05:08 ~ 06:41 06:41 ~ 12:12 12:12 ~ 18:34	E W E	03:10 9:43 15:08	2.1 1.8 2.4			
9-May	Thu.	5-Apr	05:07 18:54	07:22 12:49	3	15.60		05:07 ~ 07:22 07:22 ~ 12:49 12:49 ~ 18:54	E W E	03:51 10:22 15:48	1.9 1.6 2.2			
10-May	Fri.	6-Apr	05:07 18:55	08:09 13:32	3	15.70		05:07 ~ 08:09 08:09 ~ 13:32 13:32 ~ 18:55	E W E	04:39 11:06 16:36	1.6 1.9 2.0			
11-May	Sat.	7-Apr	05:06 18:56	09:09 14:28	3	16.00	Off	05:06 ~ 09:09 09:09 ~ 14:28 14:28 ~ 18:56	E W E	05:37 12:01 17:37	1.3 1.1 1.6			
12-May	Sun.	8-Apr	05:05 18:56	10:25 15:46	Non-fishing	16.10		Non-fishing day						
13-May	Mon.	9-Apr	05:04 18:57	05:23 11:48	Non-fishing	16.30		Non-fishing day						
14-May	Tue.	10-Apr	05:03 18:58	06:35 13:00	2	16.50	Off	06:35 ~ 13:00 13:00 ~ 18:54	E W	09:38 16:06	1.5 1.5	Non-fishing		
15-May	Wed.	11-Apr	05:03 18:59	07:35 13:59	3	16.40		05:03 ~ 07:35 07:35 ~ 13:59 13:59 ~ 18:59	W E W	04:37 10:38 17:10	1.9 1.8 2.0			
16-May	Thu.	12-Apr	05:02 18:59	08:24 14:50	3	16.40		05:02 ~ 08:24 08:24 ~ 14:50 14:50 ~ 18:59	W E W	05:34 11:28 18:02	2.2 2.2 2.6			
17-May	Fri.	13-Apr	05:01 19:00	09:08 15:35	3	16.50		05:01 ~ 09:08 09:08 ~ 15:35 15:35 ~ 19:00	W E W	06:23 12:12 18:49	2.4 2.4 3.0			
18-May	Sat.	14-Apr	05:00 19:01	09:48 16:17	3	16.60	Off	05:00 ~ 09:48 09:48 ~ 16:17 16:17 ~ 19:01	W E W	07:07 12:52 19:32	2.5 2.7 3.2			△
19-May	Sun.	15-Apr	05:00 19:02	10:26 16:57	3	16.70		05:00 ~ 10:26 10:26 ~ 16:57 16:57 ~ 19:02	W E W	07:48 13:29 20:13	2.5 2.7 3.3			△
20-May	Mon.	16-Apr	04:59 19:02	05:36 11:01	3	16.70		05:36 ~ 11:01 11:01 ~ 17:35 17:35 ~ 19:02	W E W	08:27 14:04 20:52	2.4 2.7 3.3			△
21-May	Tue.	17-Apr	04:59 19:03	06:15 11:36	3	16.90	Off	06:15 ~ 11:36 11:36 ~ 18:10 18:10 ~ 19:03	W E W	09:05 14:37 21:30	2.2 2.6 3.0			△
22-May	Wed.	18-Apr	04:58 19:04	06:51 12:09	3	17.00		04:58 ~ 06:51 06:51 ~ 12:09 12:09 ~ 18:44	E W E	03:21 9:41 15:09	2.0 2.0 2.3			
23-May	Thu.	19-Apr	04:57 19:04	07:26 12:43	3	17.10		04:57 ~ 07:26 07:26 ~ 12:43 12:43 ~ 19:04	E W E	03:53 10:17 15:41	1.7 1.7 2.1			
24-May	Fri.	20-Apr	04:57 19:05	08:03 13:19	3	17.10		04:57 ~ 08:03 08:03 ~ 13:19 13:19 ~ 19:05	E W E	04:27 10:54 16:16	1.5 1.4 1.8			
25-May	Sat.	21-Apr	04:56 19:06	08:43 14:00	3	17.30	Off	04:56 ~ 08:43 08:43 ~ 14:00 14:00 ~ 19:06	E W E	05:07 11:35 16:56	1.3 1.2 1.5			
26-May	Sun.	22-Apr	04:56 19:07	09:33 14:52	3	17.40		04:56 ~ 09:33 09:33 ~ 14:52 14:52 ~ 19:07	E W E	05:56 12:23 17:52	1.2 1.0 1.3			
27-May	Mon.	23-Apr	04:55 19:07	10:34 16:03	Non-fishing	17.50		Non-fishing day						
28-May	Tue.	24-Apr	04:55 19:08	05:05 11:41	Non-fishing	17.70	Off	Non-fishing day						
29-May	Wed.	25-Apr	04:54 19:08	06:07 12:44	2	17.60		06:07 ~ 12:44 12:44 ~ 18:47	E W	09:10 15:57	1.4 1.3	Non-fishing		
30-May	Thu.	26-Apr	04:54 19:09	07:05 13:39	3	17.60		04:54 ~ 07:05 07:05 ~ 13:39 13:39 ~ 19:09	W E W	04:16 10:05 16:59	1.5 1.6 1.7			
31-May	Fri.	27-Apr	04:54 19:10	07:56 14:26	3	17.50		04:54 ~ 07:56 07:56 ~ 14:26 14:26 ~ 19:10	W E W	05:15 10:54 17:49	1.7 1.9 2.1			

The expected navigable water area in the traffic lane
 during the peak season of Stownet-fishing
 1st February, 2019 ~ 31st August, 2019
 the expected area : west and east of Ogijima Island

Difficulty in navigation:
 △→○→◎(maximum)

Date	Day	Lunar Calendar	Sunrise Sunset	The time of slack water between sunrise to sunset	Number of operating times	Water temp. (°C / last Year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current DIR	Maximum current speed		West of Ogijima	East of Ogijima	
1-Jun	Sat.	28-Apr	04:53 19:10	08:41 15:10	3	17.60	Off	04:53 ~ 08:41 08:41 ~ 15:10 15:10 ~ 19:10	W E W	06:05 11:39 18:35	1.8 2.2 2.5			
2-Jun	Sun.	29-Apr	04:53 19:11	09:23 15:50	3	17.90		04:53 ~ 09:23 09:23 ~ 15:50 15:50 ~ 19:11	W E W	06:50 12:20 19:18	2.0 2.4 2.8			△
3-Jun	Mon.	1-May	04:53 19:12	10:03 16:29	3	18.20		04:53 ~ 10:03 10:03 ~ 16:29 16:29 ~ 19:12	W E W	07:33 12:59 19:59	2.1 2.5 3.0			△
4-Jun	Tue.	2-May	04:53 19:12	05:16 10:42	3	18.50	Off	05:16 ~ 10:42 10:42 ~ 17:09 17:09 ~ 19:12	W E W	08:14 13:38 20:40	2.0 2.6 3.0			△
5-Jun	Wed.	3-May	04:52 19:13	05:59 11:20	3	18.80		05:59 ~ 11:20 11:20 ~ 17:48 17:48 ~ 19:13	W E W	08:54 14:17 21:21	2.0 2.6 3.0			△
6-Jun	Thu.	4-May	04:52 19:13	06:41 11:59	3	18.80		04:52 ~ 06:41 06:41 ~ 11:59 11:59 ~ 18:30	E W E	03:05 09:35 14:58	2.0 1.8 2.4			
7-Jun	Fri.	5-May	04:52 19:14	07:25 12:42	3	18.90		04:52 ~ 07:25 07:25 ~ 12:42 12:42 ~ 19:14	E W E	03:50 10:17 15:42	1.9 1.7 2.2			
8-Jun	Sat.	6-May	04:52 19:14	08:12 13:30	3	19.10	Off	04:52 ~ 08:12 08:12 ~ 13:30 13:30 ~ 19:14	E W E	04:38 11:03 16:32	1.7 1.5 2.0			
9-Jun	Sun.	7-May	04:52 19:15	09:06 14:28	3	19.20		04:52 ~ 09:06 09:06 ~ 14:28 14:28 ~ 19:15	E W E	05:34 11:57 17:34	1.5 1.4 1.7			
10-Jun	Mon.	8-May	04:52 19:15	10:08 15:41	Non-fishing	19.20		Non-fishing day						
11-Jun	Tue.	9-May	04:52 19:16	11:15 17:07	Non-fishing	19.30	Off	Non-fishing day						
12-Jun	Wed.	10-May	04:52 19:16	05:50 12:21	3	19.10		05:50 ~ 12:21 12:21 ~ 18:32 18:32 ~ 19:16	E W E	08:59 15:31 21:32	1.6 1.6 1.5	Non-fishing		
13-Jun	Thu.	11-May	04:52 19:17	06:50 13:22	3	19.40		04:52 ~ 06:50 06:50 ~ 13:22 13:22 ~ 19:17	W E W	03:59 09:59 16:39	1.7 1.8 2.0			
14-Jun	Fri.	12-May	04:52 19:17	07:43 14:17	3	19.40		04:52 ~ 07:43 07:43 ~ 14:17 14:17 ~ 19:17	W E W	05:01 10:52 17:36	1.8 2.1 2.4			
15-Jun	Sat.	13-May	04:52 19:17	08:31 15:07	3	19.30	Off	04:52 ~ 08:31 08:31 ~ 15:07 15:07 ~ 19:17	W E W	05:54 11:40 18:26	1.9 2.3 2.8			△
16-Jun	Sun.	14-May	04:52 19:18	09:16 15:53	3	19.40		04:52 ~ 09:16 09:16 ~ 15:53 15:53 ~ 19:18	W E W	06:42 12:24 19:12	2.1 2.5 3.0			○
17-Jun	Mon.	15-May	04:52 19:18	09:57 16:36	3	19.60		04:52 ~ 09:57 09:57 ~ 16:36 16:36 ~ 19:18	W E W	07:26 13:04 19:54	2.1 2.6 3.1			○
18-Jun	Tue.	16-May	04:52 19:18	05:19 10:36	3	19.80	Off	05:19 ~ 10:36 10:36 ~ 17:15 17:15 ~ 19:18	W E W	08:06 13:41 20:34	2.1 2.5 3.1			○
19-Jun	Wed.	17-May	04:52 19:19	05:59 11:13	3	20.10		05:59 ~ 11:13 11:13 ~ 17:52 17:52 ~ 19:19	W E W	08:45 14:16 21:11	2.0 2.4 2.9			△
20-Jun	Thu.	18-May	04:52 19:19	06:35 11:48	3	20.00		04:52 ~ 06:35 06:35 ~ 11:48 11:48 ~ 18:25	E W E	03:04 09:23 14:48	1.9 1.9 2.3			
21-Jun	Fri.	19-May	04:52 19:19	07:09 12:23	3	20.00		04:52 ~ 07:09 07:09 ~ 12:23 12:23 ~ 18:56	E W E	03:34 09:58 15:20	1.7 1.7 2.1			
22-Jun	Sat.	20-May	04:53 19:19	07:41 12:59	3	20.30	Off	04:53 ~ 07:41 07:41 ~ 12:59 12:59 ~ 19:19	E W E	04:05 10:34 15:54	1.6 1.5 1.9			
23-Jun	Sun.	21-May	04:53 19:19	08:15 13:39	3	20.30		04:53 ~ 08:15 08:15 ~ 13:39 13:39 ~ 19:19	E W E	04:39 11:11 16:32	1.5 1.4 1.7			
24-Jun	Mon.	22-May	04:53 19:20	08:54 14:25	3	20.40		04:53 ~ 08:54 08:54 ~ 14:25 14:25 ~ 19:20	E W E	05:19 11:52 17:19	1.5 1.9 1.5			
25-Jun	Tue.	23-May	04:53 19:20	09:41 15:23	Non-fishing	20.60	Off	Non-fishing day						
26-Jun	Wed.	24-May	04:54 19:20	10:35 16:35	Non-fishing	21.10		Non-fishing day						
27-Jun	Thu.	25-May	04:54 19:20	05:01 11:36	3	21.00		05:01 ~ 11:36 11:36 ~ 17:55 17:55 ~ 19:20	E W E	08:08 14:54 20:40	1.5 1.3 1.2	Non-fishing		
28-Jun	Fri.	26-May	04:54 19:20	06:03 12:39	2	21.00		06:03 ~ 12:39 12:39 ~ 19:10	E W	09:10 16:08	1.7 1.6			
29-Jun	Sat.	27-May	04:55 19:20	07:04 13:38	3	21.10	Off	04:55 ~ 07:04 07:04 ~ 13:38 13:38 ~ 19:20	W E W	04:26 10:09 17:13	1.4 1.9 2.0			
30-Jun	Sun.	28-May	04:55 19:20	08:00 14:34	3	21.30		04:55 ~ 08:00 08:00 ~ 14:34 14:34 ~ 19:20	W E W	05:29 11:03 18:08	1.5 2.1 2.4			

The expected navigable water area in the traffic lane
 during the peak season of Stownet-fishing
 1st February, 2019 ~ 31st August, 2019
 the expected area : west and east of Ogijima Island

Difficulty in navigation:
 △→○→◎(maximum)

Date	Day	Lunar Calendar	Sunrise Sunset	The time of slack water between sunrise to sunset	Number of operating times	Water temp. (C / last Year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current DIR	Time	Maximum current speed	West of Ogijima	East of Ogijima	
1-Jul	Mon.	29-May	04:55 19:20	08:52 15:25	3	21.60		04:55 ~ 08:52 08:52 ~ 15:25 15:25 ~ 19:20	W E W	06:24 11:53 18:58	1.7 2.3 2.7			△
2-Jul	Tue.	30-May	04:56 19:20	09:40 16:13	3	21.90	Off	04:56 ~ 09:40 09:40 ~ 16:13 16:13 ~ 19:20	W E W	07:14 12:41 19:44	1.9 2.5 3.0			○
3-Jul	Wed.	1-Jun	04:56 19:20	05:07 10:25	3	22.10		05:07 ~ 10:25 10:25 ~ 16:59 16:59 ~ 19:20	W E W	07:59 13:26 20:28	2.0 2.6 3.2			○
4-Jul	Thu.	2-Jun	04:57 19:20	05:53 11:10	3	22.60		05:53 ~ 11:10 11:10 ~ 17:45 17:45 ~ 19:20	W E W	08:43 14:11 21:11	2.0 2.6 3.2			○
5-Jul	Fri.	3-Jun	04:57 19:20	06:36 11:54	3	23.10		04:57 ~ 06:36 06:36 ~ 11:54 11:54 ~ 18:29	E W E	03:04 09:26 14:56	2.1 2.0 2.5			○
6-Jul	Sat.	4-Jun	04:58 19:19	07:18 12:40	3	22.20	Off	04:58 ~ 07:18 07:18 ~ 12:40 12:40 ~ 19:15	E W E	03:47 10:10 15:42	2.0 2.0 2.4			△
7-Jul	Sun.	5-Jun	04:58 19:19	08:01 13:29	3	22.40		04:58 ~ 08:01 08:01 ~ 13:29 13:29 ~ 19:19	E W E	04:32 10:54 16:31	1.9 1.9 2.2			
8-Jul	Mon.	6-Jun	04:59 19:19	08:47 14:23	3	22.10		04:59 ~ 08:47 08:47 ~ 14:23 14:23 ~ 19:19	E W E	05:20 11:42 17:26	1.8 1.8 1.9			
9-Jul	Tue.	7-Jun	04:59 19:19	09:38 15:27	3	22.70	Off	04:59 ~ 09:38 09:38 ~ 15:27 15:27 ~ 19:19	E W E	06:12 12:37 18:30	1.7 1.7 1.6			
10-Jul	Wed.	8-Jun	05:00 19:19	10:35 16:42	Non-fishing	22.60		Non-fishing day						
11-Jul	Thu.	9-Jun	05:00 19:18	05:00 11:38	Non-fishing	22.80		Non-fishing day						
12-Jul	Fri.	10-Jun	05:01 19:18	06:00 12:43	3	22.80		05:01 ~ 06:00 06:00 ~ 12:43 12:43 ~ 19:18	W E W	03:15 09:16 16:05	1.4 1.7 1.9	Non-fishing		
13-Jul	Sat.	11-Jun	05:02 19:18	07:01 13:46	3	22.90	Off	05:02 ~ 07:01 07:01 ~ 13:46 13:46 ~ 19:18	W E W	04:25 10:16 17:10	1.4 1.9 2.2			
14-Jul	Sun.	12-Jun	05:02 19:17	07:57 14:43	3	22.80	Off	05:02 ~ 07:57 07:57 ~ 14:43 14:43 ~ 19:17	W E W	05:27 11:11 18:05	1.5 2.0 2.5			
15-Jul	Mon.	13-Jun	05:03 19:17	08:48 15:34	3	22.90		05:03 ~ 08:48 08:48 ~ 15:34 15:34 ~ 19:17	W E W	06:20 12:00 18:53	1.7 2.2 2.7			
16-Jul	Tue.	14-Jun	05:03 19:16	09:35 16:19	3	23.20		05:03 ~ 09:35 09:35 ~ 16:19 16:19 ~ 19:16	W E W	07:07 12:45 19:37	1.8 2.3 2.9			
17-Jul	Wed.	15-Jun	05:04 19:16	05:04 10:17	3	23.40		05:04 ~ 10:17 10:17 ~ 17:00 17:00 ~ 19:16	W E W	07:49 13:25 20:17	1.9 2.3 2.9			
18-Jul	Thu.	16-Jun	05:05 19:15	05:42 10:57	3	23.60		05:42 ~ 10:57 10:57 ~ 17:36 17:36 ~ 19:15	W E W	08:29 14:00 20:53	2.0 2.3 2.8			
19-Jul	Fri.	17-Jun	05:05 19:15	06:17 11:33	3	23.80		06:17 ~ 11:33 11:33 ~ 18:08 18:08 ~ 19:15	W E W	09:05 14:32 21:27	1.9 2.2 2.7			
20-Jul	Sat.	18-Jun	05:06 19:14	06:47 12:08	3	24.40	Off	05:06 ~ 06:47 06:47 ~ 12:08 12:08 ~ 18:36	E W E	03:13 09:39 15:03	1.8 1.9 2.1			
21-Jul	Sun.	19-Jun	05:07 19:14	07:14 12:42	3	24.50		05:07 ~ 07:14 07:14 ~ 12:42 12:42 ~ 19:03	E W E	03:39 10:11 15:34	1.8 1.8 2.0			
22-Jul	Mon.	20-Jun	05:07 19:13	07:42 13:19	3	24.70		05:07 ~ 07:42 07:42 ~ 13:19 13:19 ~ 19:13	E W E	04:09 10:44 16:09	1.8 1.7 1.9			
23-Jul	Tue.	21-Jun	05:08 19:13	08:12 13:59	3	25.10	Off	05:08 ~ 08:12 08:12 ~ 13:59 13:59 ~ 19:13	E W E	04:42 11:19 16:49	1.8 1.6 1.7			
24-Jul	Wed.	22-Jun	05:09 19:12	08:50 14:48	3	24.60		05:09 ~ 08:50 08:50 ~ 14:48 14:48 ~ 19:12	E W E	05:23 11:59 17:37	1.8 1.6 1.6			
25-Jul	Thu.	23-Jun	05:09 19:11	09:37 15:49	Non-fishing	24.90		Non-fishing day						
26-Jul	Fri.	24-Jun	05:10 19:11	10:34 17:05	Non-fishing	25.00		Non-fishing day						
27-Jul	Sat.	25-Jun	05:11 19:10	11:41 18:30	3	24.60	Off	05:11 ~ 11:41 11:41 ~ 18:30 18:30 ~ 19:10	E W E	08:17 15:16 21:08	1.7 1.6 1.2	Non-fishing		
28-Jul	Sun.	26-Jun	05:11 19:09	06:14 12:53	3	24.60		05:11 ~ 06:14 06:14 ~ 12:53 12:53 ~ 19:09	W E W	03:36 09:26 16:37	1.1 1.7 1.8			
29-Jul	Mon.	27-Jun	05:12 19:08	07:25 14:04	3	24.40		05:12 ~ 07:25 07:25 ~ 14:04 14:04 ~ 19:08	W E W	04:58 10:32 17:44	1.2 1.9 2.3			
30-Jul	Tue.	28-Jun	05:13 19:08	08:28 15:06	3	24.50	Off	05:13 ~ 08:28 08:28 ~ 15:06 15:06 ~ 19:08	W E W	06:04 11:33 18:41	1.5 2.2 2.7			
31-Jul	Wed.	29-Jun	05:14 19:07	09:24 16:02	3	24.60		05:14 ~ 09:24 09:24 ~ 16:02 16:02 ~ 19:07	W E W	06:58 12:29 19:30	1.8 2.4 3.0			

The expected navigable water area in the traffic lane
 during the peak season of Stownet-fishing
 1st February, 2019 ~ 31st August, 2019
 the expected area : west and east of Ogijima Island

Difficulty in navigation:
 △→○→◎(maximum)

Date	Day	Lunar Calendar	Sunrise Sunset	The time of slack water between sunrise to sunset	Number of operating times	Water temp. (°C / last Year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current DIR	Maximum current speed		West of Ogijima	East of Ogijima	
										Time	Speed			
1-Aug	Thu.	1-Jul	05:14	10:15	3	25.10		05:14 ~ 10:15	W	07:46	2.1			
			19:06	16:53				10:15 ~ 16:53	E	13:20	2.6			
								16:53 ~ 19:06	W	20:15	3.2			
2-Aug	Fri.	2-Jul	05:15	05:39	3	25.60		05:39 ~ 11:03	W	08:31	2.3			
			19:05	11:03				11:03 ~ 17:40	E	14:07	2.7			
								17:40 ~ 19:05	W	20:58	3.3			
3-Aug	Sat.	3-Jul	05:16	06:20	3	25.90	Off	05:16 ~ 06:20	E	02:54	2.3			
			19:04	11:49				06:20 ~ 11:49	W	09:14	2.4			
								11:49 ~ 18:24	E	14:53	2.7			
4-Aug	Sun.	4-Jul	05:16	06:59	3	26.20		05:16 ~ 06:59	E	03:34	2.3			
			19:03	12:35				06:59 ~ 12:35	W	09:55	2.4			
								12:35 ~ 19:03	E	15:37	2.6			
5-Aug	Mon.	5-Jul	05:17	07:38	3	26.50		05:17 ~ 07:38	E	04:13	2.2			
			19:02	13:21				07:38 ~ 13:21	W	10:38	2.4			
								13:21 ~ 19:02	E	16:23	2.4			
6-Aug	Tue.	6-Jul	05:18	08:19	3	26.70	Off	05:18 ~ 08:19	E	04:54	2.1			
			19:02	14:11				08:19 ~ 14:11	W	11:22	2.3			
								14:11 ~ 19:02	E	17:10	2.0			
7-Aug	Wed.	7-Jul	05:19	09:04	Non-fishing	27.10		Non-fishing day						
8-Aug	Thu.	8-Jul	05:19	09:54	Non-fishing	26.70		Non-fishing day						
9-Aug	Fri.	9-Jul	05:20	10:54	Non-fishing	26.50		Non-fishing day						
10-Aug	Sat.	10-Jul	05:21	12:03	Non-fishing	26.40	Off	Non-fishing day						
11-Aug	Sun.	11-Jul	05:22	06:19	Non-fishing	26.30		Non-fishing day						
12-Aug	Mon.	12-Jul	05:22	07:28	Non-fishing	26.50		Non-fishing day						
13-Aug	Tue.	13-Jul	05:23	08:28	3	26.70	Off	05:23 ~ 08:28	W	06:01	1.4		Non-fishing	
			18:54	15:16				08:28 ~ 15:16	E	11:42	1.9			
								15:16 ~ 18:54	W	18:35	2.4			
14-Aug	Wed.	14-Jul	05:24	09:19	3	27.00	Off	05:24 ~ 09:19	W	06:50	1.7		Non-fishing	
			18:53	16:03				09:19 ~ 16:03	E	12:31	2.0			
								16:03 ~ 18:53	W	19:18	2.6			
15-Aug	Thu.	15-Jul	05:24	10:04	3	27.00	Off	05:24 ~ 10:04	W	07:32	1.9			
			18:52	16:43				10:04 ~ 16:43	E	13:11	2.2			
								16:43 ~ 18:52	W	19:57	2.7			
16-Aug	Fri.	16-Jul	05:25	10:43	3	27.00		05:25 ~ 10:43	W	08:10	2.0			
			18:51	17:18				10:43 ~ 17:18	E	13:45	2.2			
								17:18 ~ 18:51	W	20:31	2.7			
17-Aug	Sat.	17-Jul	05:26	05:51	3	26.90	Off	05:51 ~ 11:19	W	08:45	2.1			
			18:50	11:19				11:19 ~ 17:49	E	14:18	2.2			
								17:49 ~ 18:50	W	21:04	2.7			
18-Aug	Sun.	18-Jul	05:27	06:18	3	26.70		06:18 ~ 11:52	W	09:17	2.1			
			18:49	11:52				11:52 ~ 18:15	E	14:44	2.2			
								18:15 ~ 18:49	W	21:33	2.6			
19-Aug	Mon.	19-Jul	05:27	06:42	3	26.80		05:27 ~ 06:42	E	03:10	2.1			
			18:48	12:25				06:42 ~ 12:25	W	09:47	2.1			
								12:25 ~ 18:41	E	15:13	2.2			
20-Aug	Tue.	20-Jul	05:28	07:05	3	26.90	Off	05:28 ~ 07:05	E	03:36	2.1			
			18:46	12:59				07:05 ~ 12:59	W	10:17	2.1			
								12:59 ~ 18:46	E	15:45	2.1			
21-Aug	Wed.	21-Jul	05:29	07:32	3	26.90		05:29 ~ 07:32	E	04:07	2.1			
			18:45	13:36				07:32 ~ 13:36	W	10:48	2.0			
								13:36 ~ 18:45	E	16:22	2.0			
22-Aug	Thu.	22-Jul	05:30	08:06	3	26.80		05:30 ~ 08:06	E	04:43	2.1	Non-fishing		
			18:44	14:20				08:06 ~ 14:20	W	11:24	1.9			
								14:20 ~ 18:44	E	17:05	1.8			
23-Aug	Fri.	23-Jul	05:30	08:48	Non-fishing	26.70		Non-fishing day						
24-Aug	Sat.	24-Jul	05:31	09:43	Non-fishing	26.60	Off	Non-fishing day						
25-Aug	Sun.	25-Jul	05:32	10:52	3	26.70		05:32 ~ 10:52	E	07:29	1.6	Non-fishing		
			18:40	17:55				10:52 ~ 17:55	W	14:30	1.5			
								17:55 ~ 18:40	E	20:33	1.1			
26-Aug	Mon.	26-Jul	05:32	12:16	2	27.10		05:32 ~ 12:16	E	08:49	1.6	Non-fishing		
			18:39	12:16				12:16 ~ 18:39	W	16:06	1.7			
27-Aug	Tue.	27-Jul	05:33	06:58	3	27.30	Off	05:33 ~ 06:58	W	04:34	1.0	Non-fishing		
			18:38	13:41				06:58 ~ 13:41	E	10:09	1.8			
								13:41 ~ 18:38	W	17:23	2.1			
28-Aug	Wed.	28-Jul	05:34	08:12	3	27.50		05:34 ~ 08:12	W	05:47	1.4			
			18:37	14:52				08:12 ~ 14:52	E	11:20	2.1			
								14:52 ~ 18:37	W	18:23	2.6			
29-Aug	Thu.	29-Jul	05:34	09:13	3	27.60		05:34 ~ 09:13	W	06:42	1.9			
			18:35	15:51				09:13 ~ 15:51	E	12:20	2.4			
								15:51 ~ 18:35	W	19:13	3.0			
30-Aug	Fri.	1-Aug	05:35	10:06	3	27.70		05:35 ~ 10:06	W	07:30	2.3			
			18:34	16:42				10:06 ~ 16:42	E	13:12	2.7			
								16:42 ~ 18:34	W	19:58	3.2			
31-Aug	Sat.	2-Aug	05:36	10:54	3	27.80	Off	05:36 ~ 10:54	W	08:14	2.7			
			18:33	17:29				10:54 ~ 17:29	E	14:00	2.9			
								17:29 ~ 18:33	W	20:40	3.3			