



# JAPAN P&I NEWS

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To the Members

**[Revised] Stownet fishing season in Bisan Seto 2020 –  
The expected navigable water area in the traffic lane during the peak season**

The Stownet fishing season has started since 1 February 2020 throughout Bisan Seto, Japan. We newly obtained a revised 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: Revised Table by Licensed Inlandsea Pilots' Association (free translation)

The expected navigable water area in the traffic lane  
during the peak season of Stownet-fishing  
1 February, 2020 - 31 August, 2020  
the expected area: west and east of Ogiijima Island

Difficulty in navigation:  
△-○-○(maximum)

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current direction	Maximum current speed		West of Ogiijima Island	East of Ogiijima Island	
										Time	Current speed			
1-Feb	Sat.	8-Jan	07:02 17:34	08:32 14:49	Non-fishing	9.70	Off	Non-fishing						
2-Feb	Sun	9-Jan	07:01 17:35	9:17 15:33	Non-fishing	9.70		Non-fishing						
3-Feb	Mon	10-Jan	07:00 17:36	10:17 16:28	2	9.70		07:00 ~ 10:17	E	07:16	1.2	Non-fishing		
								10:17 ~ 16:28	W	13:34	1.2			
4-Feb	Tue	11-Jan	06:59 17:37	11:37 17:37	2	9.80	Off	06:59 ~ 11:37	E	08:33	1.1	Non-fishing		
								11:37 ~ 17:37	W	14:54	1.0			
5-Feb	Wed	12-Jan	06:59 17:38	07:18 13:11	2	9.80		07:18 ~ 13:11	E	09:53	1.1			
								13:11 ~ 17:38	W	16:25	1.0			
6-Feb	Thu	13-Jan	06:58 17:39	08:28 14:37	3	9.90		06:58 ~ 08:28	W	05:18	2.0			
								08:28 ~ 14:37	E	11:05	1.4			
								14:37 ~ 17:39	W	17:39	1.3			
								06:57 ~ 09:25	W	06:18	2.4			
7-Feb	Fri	14-Jan	06:57 17:40	09:25 15:41	3	9.90		09:25 ~ 15:41	E	12:08	1.6			
								15:41 ~ 17:40	W	18:36	1.6			
								06:56 ~ 10:14	W	07:09	2.8			
								10:14 ~ 16:32	E	13:02	1.9			
8-Feb	Sat	15-Jan	06:56 17:41	10:14 16:32	2	9.90	Off						Non-fishing	
9-Feb	Sun	16-Jan	06:55 17:42	10:59 17:16	2	9.70		06:55 ~ 10:59	W	07:54	3.1			Non-fishing
								10:59 ~ 17:16	E	13:48	2.2			
10-Feb	Mon	17-Jan	06:54 17:42	11:40	2	9.60	Off	06:54 ~ 11:40	W	08:37	3.2			○
								11:40 ~ 17:42	E	14:30	2.3			
11-Feb	Tue	18-Jan	06:53 17:43	12:19	2	9.50		06:53 ~ 12:19	W	09:18	3.2			○
								12:19 ~ 17:43	E	15:10	2.3			
12-Feb	Wed	19-Jan	06:52 17:44	12:56	2	9.40		06:52 ~ 12:56	W	09:58	3.0			○
								12:56 ~ 17:44	E	15:47	2.3			
13-Feb	Thu	20-Jan	06:52 17:45	07:27 13:32	2	9.50		07:27 ~ 13:32	W	10:37	2.7			△
								13:32 ~ 17:45	E	16:25	2.2			
14-Feb	Fri	21-Jan	06:51 17:46	08:10 14:09	2	9.40		08:10 ~ 14:09	W	11:17	2.3			
								14:09 ~ 17:46	E	17:05	2.1			
15-Feb	Sat	22-Jan	06:50 17:47	08:56 14:48	3	9.30	Off	06:50 ~ 08:56	E	05:31	1.8			
								08:56 ~ 14:48	W	12:00	1.9			
								14:48 ~ 17:47	E	17:51	1.9			
16-Feb	Sun	23-Jan	06:49 17:48	09:48 15:33	3	9.40		Non-fishing						
17-Feb	Mon	24-Jan	06:47 17:49	10:54 16:30	Non-fishing	9.40		Non-fishing						
18-Feb	Tue	25-Jan	06:46 17:50	12:18 17:42	2	9.40	Off	06:46 ~ 12:18	E	09:03	1.0	Non-fishing		
								12:18 ~ 17:42	W	15:11	0.9			
19-Feb	Wed	26-Jan	06:45 17:51	07:38 13:47	2	9.50		07:38 ~ 13:47	E	10:27	1.0			
								13:47 ~ 17:51	W	16:35	1.0			
20-Feb	Thu	27-Jan	06:44 17:52	08:42 14:57	3	9.70		06:44 ~ 08:42	W	05:23	2.0			
								08:42 ~ 14:57	E	11:38	1.3			
								14:57 ~ 17:52	W	17:41	1.3			
								06:43 ~ 09:31	W	06:17	2.3			
21-Feb	Fri	28-Jan	06:43 17:53	09:31 15:49	3	9.60		09:31 ~ 15:49	E	12:32	1.5			
								15:49 ~ 17:53	W	18:34	1.6			
								06:42 ~ 10:12	W	07:03	2.6			○
22-Feb	Sat	29-Jan	06:42 17:54	10:12 16:31	3	9.60	Off	10:12 ~ 16:31	E	13:15	1.7			
								16:31 ~ 17:54	W	19:18	1.9			
								06:41 ~ 10:48	W	07:43	2.7			
23-Feb	Sun	30-Jan	06:41 17:55	10:48 17:08	2	9.70	Off	10:48 ~ 17:08	E	13:48	1.9			○
24-Feb	Mon	1-Feb	06:40 17:55	11:19 17:40	2	9.70		06:40 ~ 11:19	W	08:19	2.8			○
								11:19 ~ 17:40	E	14:16	2.0			
25-Feb	Tue	2-Feb	06:39 17:56	11:47	2	9.70		06:39 ~ 11:47	W	08:53	2.7			○
								11:47 ~ 17:56	E	14:40	2.1			
26-Feb	Wed	3-Feb	06:37 17:57	12:14	2	9.90		06:37 ~ 12:14	W	09:23	2.6			○
								12:14 ~ 17:57	E	15:02	2.1			
27-Feb	Thu	4-Feb	06:36 17:58	12:39	2	9.90		06:36 ~ 12:39	W	09:51	2.4			
								12:39 ~ 17:58	E	15:26	2.1			
28-Feb	Fri	5-Feb	06:35 17:59	06:59 13:05	2	9.90		06:59 ~ 13:05	W	10:18	2.2			
								13:05 ~ 17:59	E	15:53	2.1			
29-Feb	Sat	6-Feb	06:34 18:00	07:26 13:32	2	9.90	Off	07:26 ~ 13:32	W	10:46	2.0			
								13:32 ~ 18:00	E	16:24	2.1			

The expected navigable water area in the traffic lane  
 during the peak season of Stownet-fishing  
 1 February, 2020 - 31 August, 2020  
 the expected area: west and east of Ogiijima Island

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

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current direction	Maximum current speed		West of Ogiijima Island	East of Ogiijima Island	
										Time	Current speed			
1-Mar	Sun	7-Feb	06:33 18:01	07:59 14:04	3	9.80		06:33 ~ 07:59	E	04:46	1.8			
								07:59 ~ 14:04	W	11:17	1.7			
								14:04 ~ 18:01	E	17:03	2.0			
2-Mar	Mon	8-Feb	06:31 18:01	08:41 14:43	3	9.90		Non-fishing						
3-Mar	Tue	9-Feb	06:30 18:02	09:38 15:34	Non-fishing		Off	Non-fishing						
4-Mar	Wed	10-Feb	06:29 18:03	10:59 16:47	3	10.00		06:29 ~ 10:59	E	07:53	1.0	Non-fishing		
								10:59 ~ 16:47	W	14:06	0.9			
								16:47 ~ 18:03	E	20:10	1.5			
5-Mar	Thu	11-Feb	06:27 18:04	06:47 12:47	2	10.00		06:47 ~ 12:47	E	09:24	1.0			
								12:47 ~ 18:04	W	15:55	0.9			
								06:26 ~ 08:04	W	04:53	1.9			
6-Mar	Fri	12-Feb	06:26 18:05	08:04 14:19	3	10.10		08:04 ~ 14:19	E	10:47	1.3			
								14:19 ~ 18:05	W	17:18	1.2			
								06:25 ~ 09:04	W	05:57	2.3			
7-Mar	Sat	13-Feb	06:25 18:06	09:04 15:22	3	10.20	Off	09:04 ~ 15:22	E	11:52	1.7			
								15:22 ~ 18:06	W	18:18	1.7			
								06:24 ~ 09:53	W	06:49	2.8			
8-Mar	Sun	14-Feb	06:24 18:06	09:53 16:10	3	10.00		09:53 ~ 16:10	E	12:44	2.0			○
								16:10 ~ 18:06	W	19:08	2.2			
								06:22 ~ 10:35	W	07:35	3.1			
9-Mar	Mon	15-Feb	06:22 18:07	10:35 16:52	2	10.10		10:35 ~ 16:52	E	13:29	2.3			⊙
								06:21 ~ 11:15	W	08:17	3.2			
								11:15 ~ 17:30	E	14:08	2.5			
10-Mar	Tue	16-Feb	06:21 18:08	11:15 17:30	2	10.20	Off	06:20 ~ 11:52	W	08:58	3.2			⊙
								11:52 ~ 18:08	E	14:45	2.6			
								06:31 ~ 12:26	W	09:36	3.0			
11-Mar	Wed	17-Feb	06:20 18:09	11:52 18:08	2	10.20		12:26 ~ 18:10	E	15:21	2.6			⊙
								07:12 ~ 13:00	W	10:14	2.7			
								13:00 ~ 18:10	E	15:56	2.5			
12-Mar	Thu	18-Feb	06:18 18:10	06:31 12:26	2	10.30		06:16 ~ 07:52	E	04:24	2.2			
								07:52 ~ 13:35	W	10:52	2.2			
								13:35 ~ 18:11	E	16:33	2.3			
13-Mar	Fri	19-Feb	06:17 18:10	07:12 13:00	2	10.30	Off	06:14 ~ 08:35	E	05:08	1.8			
								08:35 ~ 14:11	W	11:32	1.8			
								14:11 ~ 18:12	E	17:14	2.0			
14-Mar	Sat	20-Feb	06:16 18:11	07:52 13:35	3	10.20		06:13 ~ 09:23	E	06:00	1.4			
								09:23 ~ 14:52	W	12:17	1.3			
								14:52 ~ 18:13	E	18:03	1.7			
15-Mar	Sun	21-Feb	06:14 18:12	08:35 14:11	3	10.20		Non-fishing						
16-Mar	Mon	22-Feb	06:13 18:13	09:23 14:52	3	10.20		Non-fishing						
17-Mar	Tue	23-Feb	06:12 18:14	10:27 15:47	3	10.30	Off	Non-fishing						
18-Mar	Wed	24-Feb	06:10 18:14	11:55 17:06	Non-fishing			Non-fishing						
19-Mar	Thu	25-Feb	06:09 18:15	07:13 13:29	2	10.40	Off	07:13 ~ 13:29	E	10:09	0.9	Non-fishing		
								13:29 ~ 18:15	W	16:12	0.9			
								06:07 ~ 08:16	W	04:59	1.7			
20-Mar	Fri	26-Feb	06:07 18:16	08:16 14:36	3	10.40		08:16 ~ 14:36	E	11:19	1.2			
								14:36 ~ 18:16	W	17:22	1.2			
								06:06 ~ 09:03	W	05:54	2.0			
21-Mar	Sat	27-Feb	06:06 18:17	09:03 15:25	3	10.60	Off	09:03 ~ 15:25	E	12:08	1.5			
								15:25 ~ 18:17	W	18:14	1.6			
								06:05 ~ 09:41	W	06:39	2.3			
22-Mar	Sun	28-Feb	06:05 18:18	09:41 16:04	3	10.80		09:41 ~ 16:04	E	12:45	1.8			
								16:04 ~ 18:18	W	18:57	2.0			
								06:03 ~ 10:14	W	07:17	2.5			
23-Mar	Mon	29-Feb	06:03 18:18	10:14 16:38	3	10.70		10:14 ~ 16:38	E	13:15	2.0			
								16:38 ~ 18:18	W	19:34	2.3			
								06:02 ~ 10:44	W	07:52	2.6			
24-Mar	Tue	1-Mar	06:02 18:19	10:44 17:07	2	10.70	Off	10:44 ~ 17:07	E	13:41	2.1			○
								06:01 ~ 11:11	W	08:24	2.6			
								11:11 ~ 17:34	E	14:04	2.2			
25-Mar	Wed	2-Mar	06:01 18:20	11:11 17:34	2	10.80		05:59 ~ 11:37	W	08:54	2.5			△
								11:37 ~ 17:57	E	14:27	2.3			
								06:11 ~ 12:03	W	09:22	2.3			
26-Mar	Thu	3-Mar	05:59 18:21	11:37 17:57	2	10.80		12:03 ~ 18:19	E	14:51	2.3			
								06:35 ~ 12:28	W	09:49	2.1			
								12:28 ~ 18:22	E	15:18	2.3			
27-Mar	Fri	4-Mar	05:58 18:21	06:11 12:03	2	11.00	Off	07:02 ~ 12:55	W	10:16	1.9			
								12:55 ~ 18:23	E	15:50	2.3			
								05:54 ~ 07:35	E	04:19	1.8			
28-Mar	Sat	5-Mar	05:57 18:22	06:35 12:28	2	11.20		07:35 ~ 13:27	W	10:47	1.6			
								13:27 ~ 18:24	E	16:27	2.1			
								05:52 ~ 18:24	Non-fishing					
29-Mar	Sun	6-Mar	05:55 18:23	07:02 12:55	2	11.20		Non-fishing						
30-Mar	Mon	7-Mar	05:54 18:24	07:35 13:27	3	11.30		Non-fishing						
31-Mar	Tue	8-Mar	05:52 18:24	08:17 14:05	Non-fishing		Off	Non-fishing						

The expected navigable water area in the traffic lane  
 during the peak season of Stownet-fishing  
 1 February, 2020 - 31 August, 2020  
 the expected area: west and east of Ogjijima Island

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

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current direction	Maximum current speed		West of Ogjijima Island	East of Ogjijima Island	
										Time	Current speed			
1-Apr	Wed	9-Mar	05:51 18:25	09:15 14:56	Non-fishing	11.10		Non-fishing						
2-Apr	Thu	10-Mar	05:50 18:26	10:41 16:14	3	11.10		05:50 ~ 10:41	E	07:25	1.0	Non-fishing		
								10:41 ~ 16:14	W	13:39	0.8			
								16:14 ~ 18:26	E	19:38	1.4			
3-Apr	Fri	11-Mar	05:48 18:27	06:18 12:29	2	11.20		06:18 ~ 12:29	E	09:02	1.1			
								12:29 ~ 17:59	W	15:31	0.9			
4-Apr	Sat	12-Mar	05:47 18:27	07:36 13:54	3	11.20	Off	05:47 ~ 07:36	W	04:24	1.8			
								07:36 ~ 13:54	E	10:25	1.4			
								13:54 ~ 18:27	W	16:57	1.3			
5-Apr	Sun	13-Mar	05:46 18:28	08:35 14:53	3	11.40		05:46 ~ 08:35	W	05:32	2.2			
								08:35 ~ 14:53	E	11:28	1.8			
								14:53 ~ 18:28	W	17:57	1.9			
6-Apr	Mon	14-Mar	05:44 18:29	09:23 15:41	3	11.50		05:44 ~ 09:23	W	06:25	2.6			
								09:23 ~ 15:41	E	12:17	2.2			
								15:41 ~ 18:29	W	18:46	2.5			
7-Apr	Tue	15-Mar	05:43 18:30	10:05 16:22	3	11.70	Off	05:43 ~ 10:05	W	07:11	2.9			○
								10:05 ~ 16:22	E	13:01	2.5			
								16:22 ~ 18:30	W	19:30	2.9			
8-Apr	Wed	16-Mar	05:42 18:30	10:44 17:02	3	11.90		05:42 ~ 10:44	W	07:53	3.0			◎
								10:44 ~ 17:02	E	13:40	2.7			
								17:02 ~ 18:30	W	20:12	3.2			
9-Apr	Thu	17-Mar	05:40 18:31	11:20 17:40	2	12.00		05:40 ~ 11:20	W	08:34	3.0			◎
								11:20 ~ 17:40	E	14:17	2.8			
10-Apr	Fri	18-Mar	05:39 18:32	06:14 11:55	2	11.90		06:14 ~ 11:55	W	09:12	2.8			○
								11:55 ~ 18:17	E	14:52	2.8			
11-Apr	Sat	19-Mar	05:38 18:33	06:55 12:29	2	11.90	Off	06:55 ~ 12:29	W	09:50	2.5			△
								12:29 ~ 18:33	E	15:27	2.6			
12-Apr	Sun	20-Mar	05:37 18:34	07:35 13:03	3	12.00		05:37 ~ 07:35	E	04:05	2.2			
								07:35 ~ 13:03	W	10:28	2.1			
								13:03 ~ 18:34	E	16:03	2.3			
13-Apr	Mon	21-Mar	05:35 18:34	08:17 13:38	3	12.20		05:35 ~ 08:17	E	04:47	1.7			
								08:17 ~ 13:38	W	11:08	1.6			
								13:38 ~ 18:34	E	16:42	2.0			
14-Apr	Tue	22-Mar	05:34 18:35	09:05 14:20	3	12.40	Off	05:34 ~ 09:05	E	05:36	1.3			
								09:05 ~ 14:20	W	11:53	1.2			
								14:20 ~ 18:35	E	17:29	1.7			
15-Apr	Wed	23-Mar	05:33 18:36	10:07 15:15	Non-fishing	12.40		Non-fishing						
16-Apr	Thu	24-Mar	05:31 18:37	11:31 16:36	Non-fishing	12.60		Non-fishing						
17-Apr	Fri	25-Mar	05:30 18:37	06:31 12:57	2	12.60		06:31 ~ 12:57	E	09:35	0.9	Non-fishing		
								12:57 ~ 18:16	W	15:42	0.8			
18-Apr	Sat	26-Mar	05:29 18:38	07:33 14:02	3	12.80	Off	05:29 ~ 07:33	W	04:21	1.5	Non-fishing		
								07:33 ~ 14:02	E	10:40	1.2			
								14:02 ~ 18:38	W	16:54	1.2			
19-Apr	Sun	27-Mar	05:28 18:39	08:20 14:49	3	13.00		05:28 ~ 08:20	W	05:19	1.8			
								08:20 ~ 14:49	E	11:26	1.5			
								14:49 ~ 18:39	W	17:46	1.6			
20-Apr	Mon	28-Mar	05:27 18:40	08:58 15:27	3	13.10		05:27 ~ 08:58	W	06:05	2.0			
								08:58 ~ 15:27	E	12:02	1.8			
								15:27 ~ 18:40	W	18:28	2.0			
21-Apr	Tue	29-Mar	05:25 18:40	09:33 16:01	3	13.30	Off	05:25 ~ 09:33	W	06:45	2.2			
								09:33 ~ 16:01	E	12:33	2.0			
								16:01 ~ 18:40	W	19:06	2.4			
22-Apr	Wed	30-Mar	05:24 18:41	10:04 16:30	3	13.50		05:24 ~ 10:04	W	07:21	2.3			
								10:04 ~ 16:30	E	13:01	2.2			
								16:30 ~ 18:41	W	19:41	2.6			
23-Apr	Thu	1-Apr	05:23 18:42	10:34 16:58	3	13.70		05:23 ~ 10:34	W	07:54	2.3			
								10:34 ~ 16:58	E	13:27	2.3			
								16:58 ~ 18:42	W	20:13	2.7			
24-Apr	Fri	2-Apr	05:22 18:43	11:01 17:23	3	13.90		05:22 ~ 11:01	W	08:25	2.3			
								11:01 ~ 17:23	E	13:53	2.4			
								17:23 ~ 18:43	W	20:45	2.7			
25-Apr	Sat	3-Apr	05:21 18:44	05:49 11:29	3	14.10	Off	05:49 ~ 11:29	W	08:55	2.1			△
								11:29 ~ 17:47	E	14:20	2.5			
								17:47 ~ 18:44	W	21:15	2.7			
26-Apr	Sun	4-Apr	05:20 18:44	06:17 11:56	3	14.40		05:20 ~ 06:17	E	02:50	2.1			
								06:17 ~ 11:56	W	09:25	1.9			
								11:56 ~ 18:13	E	14:50	2.4			
27-Apr	Mon	5-Apr	05:19 18:45	06:47 12:26	3	14.40		05:19 ~ 06:47	E	03:23	2.0			
								06:47 ~ 12:26	W	09:55	1.7			
								12:26 ~ 18:45	E	15:23	2.3			
28-Apr	Tue	6-Apr	05:18 18:46	07:23 12:59	3	14.40	Off	05:18 ~ 07:23	E	04:02	1.8			
								07:23 ~ 12:59	W	10:29	1.5			
								12:59 ~ 18:46	E	16:01	2.2			
29-Apr	Wed	7-Apr	05:16 18:47	08:08 13:41	3	14.20		05:16 ~ 08:08	E	04:47	1.5			
								08:08 ~ 13:41	W	11:10	1.2			
								13:41 ~ 18:47	E	16:48	1.9			
30-Apr	Thu	8-Apr	05:15 18:48	09:09 14:36	Non-fishing	14.00		Non-fishing						

The expected navigable water area in the traffic lane  
 during the peak season of Stownet-fishing  
 1 February, 2020 - 31 August, 2020  
 the expected area: west and east of Ogjijima Island

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

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current direction	Maximum current speed		West of Ogjijima Island	East of Ogjijima Island	
										Time	Current speed			
1-May	Fri	9-Apr	05:14 18:48	10:32 15:59	Non-fishing	14.20		Non-fishing						
2-May	Sat	10-Apr	05:13 18:49	05:45 12:05	3	14.40		05:45 ~ 12:05	E	08:38	1.2	Non-fishing		
								12:05 ~ 17:43	W	15:06	1.0			
								17:43 ~ 18:49	E	20:53	1.4			
3-May	Sun	11-Apr	05:12 18:50	06:59 13:20	3	14.50	Off	05:12 ~ 06:59	W	03:51	1.7	Non-fishing		
								06:59 ~ 13:20	E	09:55	1.5			
								13:20 ~ 18:50	W	16:29	1.5			
4-May	Mon	12-Apr	05:11 18:51	07:58 14:19	3	14.60	Off	05:11 ~ 07:58	W	05:01	2.0			
								07:58 ~ 14:19	E	10:55	1.9			
								14:19 ~ 18:51	W	17:30	2.1			
5-May	Tue	13-Apr	05:10 18:51	08:47 15:08	3	14.80		05:10 ~ 08:47	W	05:56	2.3			
								08:47 ~ 15:08	E	11:45	2.3			
								15:08 ~ 18:51	W	18:22	2.6			
6-May	Wed	14-Apr	05:10 18:52	09:30 15:52	3	15.00		05:10 ~ 09:30	W	06:44	2.6			○
								09:30 ~ 15:52	E	12:29	2.6			
								15:52 ~ 18:52	W	19:08	3.1			
7-May	Thu	15-Apr	05:09 18:53	10:10 16:34	3	15.10		05:09 ~ 10:10	W	07:28	2.7			○
								10:10 ~ 16:34	E	13:11	2.8			
								16:34 ~ 18:53	W	19:51	3.4			
8-May	Fri	16-Apr	05:08 18:54	05:14 10:48	3	15.20		05:14 ~ 10:48	W	08:10	2.6			○
								10:48 ~ 17:15	E	13:49	2.8			
								17:15 ~ 18:54	W	20:33	3.4			
9-May	Sat	17-Apr	05:07 18:55	05:58 11:25	3	15.40	Off	05:58 ~ 11:25	W	08:50	2.5			△
								11:25 ~ 17:55	E	14:26	2.8			
								17:55 ~ 18:55	W	21:14	3.3			
10-May	Sun	18-Apr	05:06 18:55	06:39 12:00	3	15.60		05:06 ~ 06:39	E	03:10	2.3			
								06:39 ~ 12:00	W	09:29	2.2			
								12:00 ~ 18:34	E	15:02	2.6			
11-May	Mon	19-Apr	05:05 18:56	07:20 12:37	3	15.80		05:05 ~ 07:20	E	03:50	2.0			
								07:20 ~ 12:37	W	10:08	1.9			
								12:37 ~ 18:56	E	15:39	2.3			
12-May	Tue	20-Apr	05:04 18:57	08:03 13:15	3	16.00	Off	05:04 ~ 08:03	E	04:31	1.7			
								08:03 ~ 13:15	W	10:49	1.6			
								13:15 ~ 18:57	E	16:18	2.0			
13-May	Wed	21-Apr	05:04 18:58	08:50 13:58	3	16.30		05:04 ~ 08:50	E	05:17	1.3			
								08:50 ~ 13:58	W	11:34	1.2			
								13:58 ~ 18:58	E	17:04	1.6			
14-May	Thu	22-Apr	05:03 18:58	09:47 14:53	3	16.30		05:03 ~ 09:47	E	06:15	1.1			
								09:47 ~ 14:53	W	12:27	1.0			
								14:53 ~ 18:58	E	18:02	1.3			
15-May	Fri	23-Apr	05:02 18:59	10:55 16:08	Non-fishing	16.50		Non-fishing						
16-May	Sat	24-Apr	05:01 19:00	05:30 12:07	Non-fishing	16.60	Off	Non-fishing						
17-May	Sun	25-Apr	05:01 19:01	06:31 13:10	3	16.90		05:01 ~ 06:31	W	03:26	1.4	Non-fishing		
								06:31 ~ 13:10	E	09:41	1.2			
								13:10 ~ 18:59	W	16:10	1.2			
18-May	Mon	26-Apr	05:00 19:01	07:23 13:59	3	16.90		05:00 ~ 07:23	W	04:30	1.5			
								07:23 ~ 13:59	E	10:29	1.5			
								13:59 ~ 19:01	W	17:07	1.6			
19-May	Tue	27-Apr	04:59 19:02	08:06 14:41	3	16.90	Off	04:59 ~ 08:06	W	05:22	1.7			
								08:06 ~ 14:41	E	11:10	1.8			
								14:41 ~ 19:02	W	17:53	2.0			
20-May	Wed	28-Apr	04:59 19:03	08:46 15:18	3	17.00		04:59 ~ 08:46	W	06:06	1.9			
								08:46 ~ 15:18	E	11:46	2.0			
								15:18 ~ 19:03	W	18:34	2.3			
21-May	Thu	29-Apr	04:58 19:04	09:22 15:52	3	17.00		04:58 ~ 09:22	W	06:46	2.0			
								09:22 ~ 15:52	E	12:20	2.2			
								15:52 ~ 19:04	W	19:12	2.6			
22-May	Fri	30-Apr	04:57 19:04	09:56 16:23	3	17.30		04:57 ~ 09:56	W	07:23	2.0			
								09:56 ~ 16:23	E	12:52	2.4			
								16:23 ~ 19:04	W	19:48	2.7			
23-May	Sat	1-Apr	04:57 19:05	04:58 10:29	3	17.70	Off	04:57 ~ 10:29	W	07:58	2.0			
								10:29 ~ 16:54	E	13:23	2.4			
								16:54 ~ 19:05	W	20:23	2.8			
24-May	Sun	2-Apr	04:56 19:06	05:33 11:01	3	17.90		05:33 ~ 11:01	W	08:34	1.9			△
								11:01 ~ 17:24	E	13:56	2.5			
								17:24 ~ 19:06	W	20:58	2.8			
25-May	Mon	3-Apr	04:56 19:06	06:07 11:33	3	18.10		06:07 ~ 11:33	W	09:08	1.8			
								11:33 ~ 17:56	E	14:29	2.4			
								17:56 ~ 19:06	W	21:34	2.7			
26-May	Tue	4-Apr	04:55 19:07	06:43 12:07	3	18.40	Off	04:55 ~ 06:43	E	03:12	1.9			
								06:43 ~ 12:07	W	09:43	1.6			
								12:07 ~ 18:32	E	15:06	2.3			
27-May	Wed	5-Apr	04:55 19:08	07:23 12:46	3	18.70		04:55 ~ 07:23	E	03:53	1.7			
								07:23 ~ 12:46	W	10:22	1.4			
								12:46 ~ 19:08	E	15:47	2.2			
28-May	Thu	6-Apr	04:55 19:08	08:09 13:32	3	18.60		04:55 ~ 08:09	E	04:40	1.6			
								08:09 ~ 13:32	W	11:07	1.3			
								13:32 ~ 19:08	E	16:37	1.9			
29-May	Fri	7-Apr	04:54 19:09	09:07 14:31	3	18.20		04:54 ~ 09:07	E	05:38	1.4			
								09:07 ~ 14:31	W	12:02	1.2			
								14:31 ~ 19:09	E	17:39	1.6			
30-May	Sat	8-Apr	04:54 19:10	10:16 15:50	Non-fishing	18.30	Off	Non-fishing						
31-May	Sun	9-Apr	04:53 19:10	05:07 11:30	Non-fishing	18.40		Non-fishing						

The expected navigable water area in the traffic lane  
during the peak season of Stownet-fishing  
1 February, 2020 - 31 August, 2020  
the expected area: west and east of Ogiijima Island

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

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current direction	Maximum current speed		West of Ogiijima Island	East of Ogiijima Island	
										Time	Current speed			
1-Jun	Mon	10-Apr	04:53 19:11	06:15 12:40	3	18.50		04:53 ~ 06:15	W	03:12	1.6	Non-fishing		
								06:15 ~ 12:40	E	09:17	1.6			
								12:40 ~ 18:50	W	15:55	1.6			
2-Jun	Tue	11-Apr	04:53 19:11	07:15 13:41	3	18.60	Off	04:53 ~ 07:15	W	04:24	1.8			
								07:15 ~ 13:41	E	10:18	1.9			
								13:41 ~ 19:11	W	17:01	2.1			
3-Jun	Wed	12-Apr	04:53 19:12	08:07 14:35	3	18.60		04:53 ~ 08:07	W	05:25	2.0			
								08:07 ~ 14:35	E	11:11	2.2			
								14:35 ~ 19:12	W	17:57	2.6			
4-Jun	Thu	13-Apr	04:52 19:13	08:55 15:25	3	18.90		04:52 ~ 08:55	W	06:17	2.1			△
								08:55 ~ 15:25	E	11:59	2.5			
								15:25 ~ 19:13	W	18:47	3.0			
5-Jun	Fri	14-Apr	04:52 19:13	09:39 16:11	3	19.10		04:52 ~ 09:39	W	07:04	2.3			○
								09:39 ~ 16:11	E	12:43	2.7			
								16:11 ~ 19:13	W	19:32	3.3			
6-Jun	Sat	15-Apr	04:52 19:14	04:58 10:20	3	19.40	Off	04:58 ~ 10:20	W	07:48	2.3			○
								10:20 ~ 16:55	E	13:26	2.7			
								16:55 ~ 19:14	W	20:16	3.4			
7-Jun	Sun	16-Apr	04:52 19:14	05:43 11:00	3	19.60		05:43 ~ 11:00	W	08:30	2.2			○
								11:00 ~ 17:38	E	14:06	2.7			
								17:38 ~ 19:14	W	20:59	3.3			
8-Jun	Mon	17-Apr	04:52 19:15	06:26 11:40	3	19.70		04:52 ~ 06:26	E	02:59	2.1			
								06:26 ~ 11:40	W	09:11	2.1			
								11:40 ~ 18:19	E	14:44	2.5			
9-Jun	Tue	18-Apr	04:52 19:15	07:07 12:19	3	19.70	Off	04:52 ~ 07:07	E	03:38	1.9			
								07:07 ~ 12:19	W	09:52	1.8			
								12:19 ~ 18:59	E	15:23	2.3			
10-Jun	Wed	19-Apr	04:52 19:16	07:48 12:59	3	19.80		04:52 ~ 07:48	E	04:17	1.7			
								07:48 ~ 12:59	W	10:33	1.6			
								12:59 ~ 19:16	E	16:01	2.0			
11-Jun	Thu	20-Apr	04:52 19:16	08:31 13:42	3	20.00		04:52 ~ 08:31	E	04:58	1.5			
								08:31 ~ 13:42	W	11:15	1.4			
								13:42 ~ 19:16	E	16:43	1.7			
12-Jun	Fri	21-Apr	04:51 19:16	09:17 14:32	3	20.10		04:51 ~ 09:17	E	05:42	1.3			
								09:17 ~ 14:32	W	12:02	1.2			
								14:32 ~ 19:16	E	17:33	1.4			
13-Jun	Sat	22-Apr	04:52 19:17	10:08 15:34	3	20.30	Off	04:52 ~ 10:08	E	06:33	1.2			
								10:08 ~ 15:34	W	12:55	1.1			
								15:34 ~ 19:17	E	18:33	1.1			
14-Jun	Sun	23-Apr	04:52 19:17	11:04 16:48	Non-fishing	20.40		Non-fishing						
15-Jun	Mon	24-Apr	04:52 19:18	05:19 12:02	Non-fishing	20.10		Non-fishing						
16-Jun	Tue	25-Apr	04:52 19:18	06:15 12:57	3	20.00	Off	04:52 ~ 06:15	W	03:24	1.3	Non-fishing		
								06:15 ~ 12:57	E	09:23	1.5			
								12:57 ~ 19:14	W	16:15	1.5			
17-Jun	Wed	26-Apr	04:52 19:18	07:07 13:47	3	20.20		04:52 ~ 07:07	W	04:27	1.3			
								07:07 ~ 13:47	E	10:13	1.7			
								13:47 ~ 19:18	W	17:11	1.8			
18-Jun	Thu	27-Apr	04:52 19:18	07:56 14:33	3	20.40		04:52 ~ 07:56	W	05:23	1.5			
								07:56 ~ 14:33	E	10:59	1.9			
								14:33 ~ 19:18	W	18:00	2.1			
19-Jun	Fri	28-Apr	04:52 19:19	08:41 15:15	3	20.50		04:52 ~ 08:41	W	06:11	1.6			
								08:41 ~ 15:15	E	11:41	2.1			
								15:15 ~ 19:19	W	18:44	2.5			
20-Jun	Sat	29-Apr	04:52 19:19	09:23 15:55	3	20.70	Off	04:52 ~ 09:23	W	06:56	1.7			
								09:23 ~ 15:55	E	12:22	2.3			
								15:55 ~ 19:19	W	19:26	2.7			
21-Jun	Sun	1-May	04:52 19:19	10:03 16:33	3	21.00		04:52 ~ 10:03	W	07:38	1.8			△
								10:03 ~ 16:33	E	13:01	2.4			
								16:33 ~ 19:19	W	20:06	2.9			
22-Jun	Mon	2-May	04:53 19:19	05:24 10:41	3	21.20		05:24 ~ 10:41	W	08:18	1.8			△
								10:41 ~ 17:11	E	13:40	2.5			
								17:11 ~ 19:19	W	20:45	2.9			
23-Jun	Tue	3-May	04:53 19:20	06:04 11:20	3	21.40	Off	06:04 ~ 11:20	W	08:57	1.8			
								11:20 ~ 17:50	E	14:18	2.4			
								17:50 ~ 19:20	W	21:24	2.9			
24-Jun	Wed	4-May	04:53 19:20	06:42 12:00	3	21.40		04:53 ~ 06:42	E	03:08	1.9			
								06:42 ~ 12:00	W	09:36	1.7			
								12:00 ~ 18:30	E	14:59	2.4			
25-Jun	Thu	5-May	04:54 19:20	07:22 12:43	3	22.20		04:54 ~ 07:22	E	03:49	1.8			
								07:22 ~ 12:43	W	10:17	1.6			
								12:43 ~ 19:14	E	15:43	2.2			
26-Jun	Fri	6-May	04:54 19:20	08:05 13:32	3	22.00		04:54 ~ 08:05	E	04:34	1.7			
								08:05 ~ 13:32	W	11:02	1.6			
								13:32 ~ 19:20	E	16:33	2.0			
27-Jun	Sat	7-May	04:54 19:20	08:53 14:29	3	22.10	Off	04:54 ~ 08:53	E	05:25	1.6			
								08:53 ~ 14:29	W	11:52	1.5			
								14:29 ~ 19:20	E	17:31	1.8			
28-Jun	Sun	8-May	04:55 19:20	09:49 15:38	Non-fishing	22.10		Non-fishing						
29-Jun	Mon	9-May	04:55 19:20	10:52 17:01	Non-fishing	22.10		Non-fishing						
30-Jun	Tue	10-May	04:55 19:20	05:26 11:58	3	22.10	Off	05:26 ~ 11:58	E	08:35	1.7	Non-fishing		
								11:58 ~ 18:26	W	15:18	1.7			
								18:26 ~ 19:20	E	21:19	1.4			

The expected navigable water area in the traffic lane  
during the peak season of Stownet-fishing  
1 February, 2020 - 31 August, 2020  
the expected area: west and east of Ogiijima Island

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

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current direction	Maximum current speed		West of Ogiijima Island	East of Ogiijima Island	
										Time	Current speed			
1-Jul	Wed	11-May	04:56 19:20	06:29 13:05	3	22.30		04:56 ~ 06:29	W	03:44	1.5	Non-fishing		
								06:29 ~ 13:05	E	09:39	1.8			
								13:05 ~ 19:20	W	16:32	2.1			
2-Jul	Thu	12-May	04:56 19:20	07:28 14:06	3	22.30		04:56 ~ 07:28	W	04:53	1.5	Non-fishing		
								07:28 ~ 14:06	E	10:38	2.1			
								14:06 ~ 19:20	W	17:34	2.4			
3-Jul	Fri	13-May	04:57 19:20	08:23 15:03	3	22.20		04:57 ~ 08:23	W	05:52	1.7			
								08:23 ~ 15:03	E	11:33	2.3			
								15:03 ~ 19:20	W	18:29	2.8			
4-Jul	Sat	14-May	04:57 19:20	09:13 15:55	3	22.30	Off	04:57 ~ 09:13	W	06:44	1.9			
								09:13 ~ 15:55	E	12:23	2.4			
								15:55 ~ 19:20	W	19:17	3.1			
5-Jul	Sun	15-May	04:58 19:20	09:59 16:42	3	22.40		04:58 ~ 09:59	W	07:31	2.0			△
								09:59 ~ 16:42	E	13:10	2.5			
								16:42 ~ 19:20	W	20:02	3.2			
6-Jul	Mon	16-May	04:58 19:19	05:31 10:44	3	22.60		04:58 ~ 09:59	W	07:31	2.0			△
								05:31 ~ 10:44	E	13:53	2.5			
								10:44 ~ 17:26	W	20:44	3.2			
7-Jul	Tue	17-May	04:59 19:19	06:12 11:26	3	22.80	Off	04:59 ~ 09:13	W	06:44	1.9			
								09:13 ~ 15:55	E	12:23	2.4			
								15:55 ~ 19:20	W	19:17	3.1			
8-Jul	Wed	18-May	04:59 19:19	06:51 12:06	3	23.00		04:59 ~ 06:51	E	03:25	1.9			
								06:51 ~ 12:06	W	09:36	2.0			
								12:06 ~ 18:45	E	15:10	2.3			
9-Jul	Thu	19-May	05:00 19:19	07:27 12:46	3	23.00		05:00 ~ 07:27	E	03:58	1.8			
								07:27 ~ 12:46	W	10:15	1.8			
								12:46 ~ 19:19	E	15:46	2.0			
10-Jul	Fri	20-May	05:00 19:18	08:02 13:26	3	22.80		05:00 ~ 08:02	E	04:30	1.7			
								08:02 ~ 13:26	W	10:53	1.7			
								13:26 ~ 19:18	E	16:22	1.8			
11-Jul	Sat	21-May	05:01 19:18	08:37 14:08	3	22.80	Off	05:01 ~ 08:37	E	05:03	1.6			
								08:37 ~ 14:08	W	11:31	1.6			
								14:08 ~ 19:18	E	17:01	1.6			
12-Jul	Sun	22-May	05:01 19:18	09:15 14:56	3	23.40		05:01 ~ 09:15	E	05:40	1.6	Non-fishing		
								09:15 ~ 14:56	W	12:13	1.4			
								14:56 ~ 19:18	E	17:46	1.4			
13-Jul	Mon	23-May	05:02 19:17	09:58 15:54	Non-fishing			Non-fishing						
14-Jul	Tue	24-May	05:03 19:17	10:48 17:04	Non-fishing			Non-fishing						
15-Jul	Wed	25-May	05:03 19:17	11:46 18:20	3	23.10		05:03 ~ 11:46	E	08:15	1.5	Non-fishing		
								11:46 ~ 18:20	W	15:11	1.4			
								18:20 ~ 19:17	E	20:56	1.0			
16-Jul	Thu	26-May	05:04 19:16	06:04 12:47	3	23.20		05:04 ~ 06:04	W	03:22	1.1	Non-fishing		
								06:04 ~ 12:47	E	09:15	1.6			
								12:47 ~ 19:16	W	16:23	1.6			
17-Jul	Fri	27-May	05:04 19:16	07:05 13:46	3	23.50		05:04 ~ 07:05	W	04:36	1.1	Non-fishing		
								07:05 ~ 13:46	E	10:13	1.8			
								13:46 ~ 19:16	W	17:25	1.9			
18-Jul	Sat	28-May	05:05 19:15	08:04 14:42	3	23.60	Off	05:05 ~ 08:04	W	05:40	1.3			
								08:04 ~ 14:42	E	11:08	2.0			
								14:42 ~ 19:15	W	18:19	2.3			
19-Jul	Sun	29-May	05:06 19:15	08:56 15:33	3	23.50		05:06 ~ 08:56	W	06:34	1.5			
								08:56 ~ 15:33	E	11:59	2.2			
								15:33 ~ 19:15	W	19:07	2.6			
20-Jul	Mon	30-May	05:06 19:14	09:45 16:20	3	23.40		05:06 ~ 09:45	W	07:21	1.7			
								09:45 ~ 16:20	E	12:46	2.3			
								16:20 ~ 19:14	W	19:51	2.9			
21-Jul	Tue	1-Jun	05:07 19:13	05:13 10:30	3	23.80	Off	05:13 ~ 10:30	W	08:05	1.9			△
								10:30 ~ 17:04	E	13:31	2.5			
								17:04 ~ 19:13	W	20:33	3.0			
22-Jul	Wed	2-Jun	05:08 19:13	05:54 11:14	3	23.90	Off	05:54 ~ 11:14	W	08:47	2.0			△
								11:14 ~ 17:47	E	14:14	2.5			
								17:47 ~ 19:13	W	21:13	3.0			
23-Jul	Thu	3-Jun	05:08 19:12	06:32 11:57	3	24.10		05:08 ~ 06:32	E	03:01	2.1			
								06:32 ~ 11:57	W	09:27	2.1			
								11:57 ~ 18:29	E	14:57	2.5			
24-Jul	Fri	4-Jun	05:09 19:12	07:09 12:41	3	24.30		05:09 ~ 07:09	E	03:40	2.1			
								07:09 ~ 12:41	W	10:07	2.1			
								12:41 ~ 19:12	E	15:41	2.4			
25-Jul	Sat	5-Jun	05:10 19:11	07:47 13:29	3	24.40	Off	05:10 ~ 07:47	E	04:20	2.0			
								07:47 ~ 13:29	W	10:49	2.0			
								13:29 ~ 19:11	E	16:27	2.2			
26-Jul	Sun	6-Jun	05:11 19:10	08:29 14:21	3	24.60		05:11 ~ 08:29	E	05:03	1.9			
								08:29 ~ 14:21	W	16:44	2.0			
								14:21 ~ 19:10	E	17:18	1.9			
27-Jul	Mon	7-Jun	05:11 19:09	09:16 15:22	3	24.70		05:11 ~ 09:16	E	05:51	1.8	Non-fishing		
								09:16 ~ 15:22	W	12:25	1.9			
								15:22 ~ 19:09	E	18:17	1.6			
28-Jul	Tue	8-Jun	05:12 19:09	10:12 16:36	Non-fishing			Non-fishing						
29-Jul	Wed	9-Jun	05:13 19:08	11:18 18:01	Non-fishing			Non-fishing						
30-Jul	Thu	10-Jun	05:13 19:07	05:41 12:30	2	24.80		05:41 ~ 12:30	E	09:01	1.7	Non-fishing		
								12:30 ~ 19:07	W	16:03	1.9			
31-Jul	Fri	11-Jun	05:14 19:06	06:52 13:43	3	25.00		05:14 ~ 06:52	W	04:24	1.1	Non-fishing		
								06:52 ~ 13:43	E	10:10	1.8			
								13:43 ~ 19:06	W	17:15	2.2			

The expected navigable water area in the traffic lane  
 during the peak season of Stownet-fishing  
 1 February, 2020 - 31 August, 2020  
 the expected area: west and east of Ogjijima Island

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

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number of operating times	Water tem. (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time)				Non-fishing day		Difficulty
								Time	Current direction	Maximum current speed		West of Ogjijima Island	East of Ogjijima Island	
										Time	Current speed			
1-Aug	Sat	12-Jun	05:15 19:05	07:58 14:47	3	24.90	Off	05:15 ~ 07:58	W	05:33	1.3	Non-fishing		
								07:58 ~ 14:47	E	11:14	2.0			
								14:47 ~ 19:05	W	18:13	2.5			
2-Aug	Sun	13-Jun	05:16 19:05	08:56 15:43	3	25.10		05:16 ~ 08:56	W	06:29	1.6			
								08:56 ~ 15:43	E	12:11	2.2			
								15:43 ~ 19:05	W	19:03	2.8			
3-Aug	Mon	14-Jun	05:16 19:04	09:47 16:32	3	25.20		05:16 ~ 09:47	W	07:18	1.9			
								09:47 ~ 16:32	E	13:01	2.3			
								16:32 ~ 19:04	W	19:47	3.0			
4-Aug	Tue	15-Jun	05:17 19:03	10:34 17:15	3	25.50	Off	05:17 ~ 10:34	W	08:01	2.1			
								10:34 ~ 17:15	E	13:45	2.4			
								17:15 ~ 19:03	W	20:28	3.0			
5-Aug	Wed	16-Jun	05:18 19:02	05:53 11:15	3	25.80		05:53 ~ 11:15	W	08:41	2.2			
								11:15 ~ 17:53	E	14:23	2.4			
								17:53 ~ 19:02	W	21:04	2.9			
6-Aug	Thu	17-Jun	05:18 19:01	06:27 11:54	3	25.80		05:18 ~ 06:27	E	03:04	2.0			
								06:27 ~ 11:54	W	09:17	2.2			
								11:54 ~ 18:27	E	14:56	2.3			
7-Aug	Fri	18-Jun	05:19 19:00	06:58 12:30	3	25.80		05:19 ~ 06:58	E	03:30	2.0			
								06:58 ~ 12:30	W	09:52	2.1			
								12:30 ~ 18:57	E	15:26	2.1			
8-Aug	Sat	19-Jun	05:20 18:59	07:26 13:05	3	26.30	Off	05:20 ~ 07:26	E	03:54	2.0			
								07:26 ~ 13:05	W	10:25	2.0			
								13:05 ~ 18:59	E	15:56	2.0			
9-Aug	Sun	20-Jun	05:21 18:58	07:53 13:41	3	26.30		05:21 ~ 07:53	E	04:21	1.9			
								07:53 ~ 13:41	W	10:58	1.9			
								13:41 ~ 18:58	E	16:28	1.8			
10-Aug	Mon	21-Jun	05:21 18:57	08:22 14:20	3	26.60		05:21 ~ 08:22	E	04:51	1.9			
								08:22 ~ 14:20	W	11:32	1.8			
								14:20 ~ 18:57	E	17:05	1.6			
11-Aug	Tue	22-Jun	05:22 18:56	08:57 15:07	3	26.30		05:22 ~ 08:57	E	05:28	1.8	Non-fishing		
								08:57 ~ 15:07	W	12:11	1.6			
								15:07 ~ 18:56	E	17:50	1.4			
12-Aug	Wed	23-Jun	05:23 18:55	09:41 16:07	Non-fishing	26.50		Non-fishing						
13-Aug	Thu	24-Jun	05:24 18:54	10:37 17:24	Non-fishing	26.50	Off	Non-fishing						
14-Aug	Fri	25-Jun	05:24 18:53	11:46 18:49	2	26.50	Off	05:24 ~ 11:46	E	08:20	1.5	Non-fishing		
								11:46 ~ 18:49	W	15:30	1.5			
								18:49 ~ 19:00	E	19:00	1.5			
15-Aug	Sat	26-Jun	05:25 18:51	06:18 13:02	2	26.30		06:18 ~ 13:02	E	09:32	1.6	Non-fishing		
								13:02 ~ 18:51	W	16:52	1.8			
								18:51 ~ 19:00	E	19:00	1.6			
16-Aug	Sun	27-Jun	05:26 18:50	07:34 14:14	3	26.40		05:26 ~ 07:34	W	05:13	1.1	Non-fishing		
								07:34 ~ 14:14	E	10:41	1.8			
								14:14 ~ 18:50	W	17:55	2.2			
17-Aug	Mon	28-Jun	05:26 18:49	08:37 15:15	3	26.50		05:26 ~ 08:37	W	06:15	1.4			
								08:37 ~ 15:15	E	11:42	2.1			
								15:15 ~ 18:49	W	18:48	2.6			
18-Aug	Tue	29-Jun	05:27 18:48	09:32 16:08	3	26.80	Off	05:27 ~ 09:32	W	07:05	1.8			
								09:32 ~ 16:08	E	12:35	2.4			
								16:08 ~ 18:48	W	19:34	2.9			
19-Aug	Wed	1-Jul	05:28 18:47	10:21 16:56	3	26.90		05:28 ~ 10:21	W	07:50	2.1			
								10:21 ~ 16:56	E	13:24	2.6			
								16:56 ~ 18:47	W	20:16	3.1			
20-Aug	Thu	2-Jul	05:29 18:46	05:34 11:07	3	27.00		05:34 ~ 11:07	W	08:31	2.4			
								11:07 ~ 17:40	E	14:09	2.7			
								17:40 ~ 18:46	W	20:57	3.1			
21-Aug	Fri	3-Jul	05:29 18:44	06:10 11:51	2	27.10		06:10 ~ 11:51	W	09:11	2.6			
								11:51 ~ 18:22	E	14:51	2.7			
								18:22 ~ 18:46	E	18:46	2.7			
22-Aug	Sat	4-Jul	05:30 18:43	06:46 12:35	3	27.30	Off	05:30 ~ 06:46	E	03:21	2.4			
								06:46 ~ 12:35	W	09:51	2.6			
								12:35 ~ 18:43	E	15:33	2.6			
23-Aug	Sun	5-Jul	05:31 18:42	07:22 13:20	3	27.40		05:31 ~ 07:22	E	03:57	2.3			
								07:22 ~ 13:20	W	10:31	2.5			
								13:20 ~ 18:42	E	16:15	2.3			
24-Aug	Mon	6-Jul	05:31 18:41	08:00 14:08	3	27.30		05:31 ~ 08:00	E	04:35	2.2			
								08:00 ~ 14:08	W	11:13	2.4			
								14:08 ~ 18:41	E	17:00	2.0			
25-Aug	Tue	7-Jul	05:32 18:39	08:44 15:04	Non-fishing	27.30	Off	Non-fishing						
26-Aug	Wed	8-Jul	05:33 18:38	09:36 16:12	Non-fishing	27.20		Non-fishing						
27-Aug	Thu	9-Jul	05:34 18:37	10:41 17:37	Non-fishing	27.00		Non-fishing						
28-Aug	Fri	10-Jul	05:34 18:36	12:01 00:00	Non-fishing	26.90		Non-fishing						
29-Aug	Sat	11-Jul	05:35 18:34	06:25 13:24	Non-fishing	26.80	Off	Non-fishing						
30-Aug	Sun	12-Jul	05:36 18:33	07:43 14:35	Non-fishing	26.80		Non-fishing						
31-Aug	Mon	13-Jul	05:36 18:32	08:47 15:31	3	26.80		05:36 ~ 08:47	W	06:16	1.6			
								08:47 ~ 15:31	E	12:05	2.0			
								15:31 ~ 18:32	W	18:47	2.5			