

No.1293 20 January 2025

# JAPAN P&I NEWS

To the Members

Stownet fishing season in Bisan Seto 2025—The expected navigable water area in the traffic lane during the peak season

The Stownet fishing season starts from 1 February 2025 throughout Bisan Seto, Japan. We have 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: The Stownet fishing season's Table for 2025 by Licensed Inlandsea Pilots' Association (free translation)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fish	ning day	
Date	Day	Lunar	Sunset	water	of	tem. *	Trawl		Current	Maximum	Current	West of	East of	Difficulty**
		Calendar	Sunrise	between sunrise to sunset	operating times	(°C/ last year)	tisning	Time	Direction	Time	Speed	Ogijima Island	Ogijima Island	
						- 1		07:01 ~ 12:41	West	09:42	2.9			
1-Feb	Sat	4-Jan	07:01	12:41	2	9.3	Off	12:41 ~ 17:35	East	15:29	2.2			0
			17:35			10.1								
2-Feb	Sun	5-Jan	07:00	07:05	2	9.3		07:05 ~ 13:15	West	10:19	2.7			0
			17:36	13:15		10		13:15 ~ 17:36	East	16:04	2.2			
								06:59 ~ 07:45	East	04:17	2.3			
3-Feb	Mon	6-Jan	06:59	07:45	3	9.25		07:45 ~ 13:48	West	10:56	2.4			Δ
			17:37	13:48		9.9		13:48 ~ 17:37	East	16:41	2.1			
								06:59 ~ 08:27	East	05:03	2.0			
4-Feb	Tue	7-Jan	06:59	08:27	3	9.25	Off	08:27 ~ 14:23	West	11:35	2.0			Δ
			17:38	14:23		9.9		14:23 ~ 17:38	East	17:22	2.0			
								06:58 ~ 09:15	East	05:56	1.6			
5-Feb	Wed	8-Jan	06:58	09:15	3	9.25		09:15 ~ 15:02	West	12:18	1.6		Non-fishing	
			17:39	15:02		9.9		15:02 ~ 17:39	East	18:11	1.8			
								06:57 ~ 10:13	East	07:01	1.2			
6-Feb	Thu	9-Jan	06:57	10:13	3	9.2		10:13 ~ 15:50	West	13:11	1.1		Non-fishing	
			17:39	15:50		9.8		15:50 ~ 17:39	East	19:11	1.6			
								06:56 ~ 11:35	East	08:24	0.9			
7-Feb	Fri	10-Jan	06:56	11:35	3	9.3		11:35 ~ 16:55	West	14:28	0.8			
			17:40	16:55		9.9		16:55 ~ 17:40	East	20:27	1.5			
8-Feb	Sat	11-Jan	06:55	07:21	2	9.35	Off	07:21 ~ 13:21	East	10:00	0.9			
			17:41	13:21		9.9		13:21 ~ 17:41	West	16:05	0.8			
								06:54 ~ 08:36	West	05:07	1.9			
9-Feb	Sun	12-Jan	06:54	08:36	3	9.3		08:36 ~ 14:47	East	11:28	1.1			
			17:42	14:47		9.8		14:47 ~ 17:42	West	17:25	1.0			
								06:53 ~ 09:31	West	06:09	2.3			
10-Feb	Mon	13-Jan	06:53	09:31	3	9.3	Off	09:31 ~ 15:46	East	12:32	1.4	1		Δ
			17:43	15:46		9.8		15:46 ~ 17:43	West	18:25	1.4	1		
								06:53 ~ 10:16	West	06:59	2.6			
11-Feb	Tue	14-Jan	06:53		3	9.25 9.7		10:16 ~ 16:30	East	13:19	1.7			0
			17:44	16:30		9.7		16:30 ~ 17:44	West	19:13	1.8			
					1			06:52 ~ 10:53	West	07:41	2.8			
12-Feb	Wed	15-Jan	06:52	10:53	3	9.3		10:53 ~ 17:09	East	13:57	1.9			0
			17:45	17:09		9.7		17:09 ~ 17:45	West	19:55	2.1			
								06:51 ~ 11:26	West	08:20	2.9			
13-Feb	Thu	16-Jan	06:51	11:26	3	9.4		11:26 ~ 17:43	East	14:28	2.1			0
			17:46	17:43		9.7		17:43 ~ 17:46	West	20:33	2.3			
								06:50 ~ 11:55	West	08:54	2.9			
14-Feb	Fri	17-Jan	06:50	11:55	2	9.35 9.8		11:55 ~ 17:47	East	14:54	2.1			0
			17:47			9.8			J	<u> </u>	†			
					1			06:49 ~ 12:21	West	09:26	2.7			
15-Feb	Sat	18-Jan	06:49	12:21	2	9.35	Off	12:21 ~ 17:48	East	15:17	2.2			0
			17:48			10			<b> </b>	<u> </u>	<del> </del>			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fisl	hing day	
Date	Day	Lunar	Sunset Sunrise	water	of	tem. *	Trawl		Current	Maximum	Current	West of	East of	Difficulty**
		Calendar	Sunnse	between sunrise to sunset	operating times	(°C/ last year)	lisning	Time	Direction	Time	Speed	Ogijima Island	Ogijima Island	
								06:48 ~ 12:46	West	09:55	2.5			
16-Feb	Sun	19-Jan	06:48	12:46	2	9.25		12:46 ~ 17:49	East	15:38	2.1			0
			17:49			10					<del> </del>			
17-Feb	Mon	20-Jan	06:46	07:11	2	9.3		07:11 ~ 13:09	West	10:23	2.2			Δ
			17:50	13:09		10		13:09 ~ 17:50	East	16:02	2.1			
18-Feb	Tue	21-Jan	06:45 17:51	07:34 13:34	2	9.45 10.1	Off	07:34 ~ 13:34	West	10:49	2.0			Δ
			17:51	13:34		10.1		13:34 ~ 17:51	East	16:29	2.1			
								06:44 ~ 08:00	East	04:48	1.6			
19-Feb	Wed	22-Jan	06:44 17:52	08:00 14:01	3	9.5 10.2		08:00 ~ 14:01	West	11:16	1.7			
			17.32	14.01		10.2		14:01 ~ 17:52	East	17:02	2.0			
			06.40			0.55		06:43 ~ 08:34	East	05:28	1.4			
20-Feb	Thu	23-Jan	06:43 17:53	08:34 14:34	3	9.55 10.3		08:34 ~ 14:34	West	11:47	1.4		Non-fishing	
			17.55	14.54		10.5		14:34 ~ 17:53	East	17:42	1.8			
			06:42	09:20		9.55								
21-Feb	Fri	24-Jan	17:54	15:15	0	10.4					Non-fis	hing		
				20120										
			06:41	10:30		9.45		06:41 ~ 10:30	East	07:34	0.9			
22-Feb	Sat	25-Jan	17:54	16:16	3	10.3	Off	10:30 ~ 16:16	West	13:33	0.8	Non-fishing		
								16:16 ~ 17:54	East	19:47	1.4			
			06:40	12:18		9.5		06:40 ~ 12:18	East	09:05	0.8			
23-Feb	Sun	26-Jan	17:55	17:45	3	10.3	Off	12:18 ~ 17:45	West	15:24	0.6	Non-fishing		
								17:45 ~ 17:55	East	21:11	1.4			
			06:39	07:57		9.5		06:39 ~ 07:57	West	04:38	1.6			
24-Feb	Mon	27-Jan	17:56	14:07	3	10.2		07:57 ~ 14:07	East	10:33	1.0			
								14:07 ~ 17:56	West	17:02	0.9			
			06:37	08:57		9.5		06:37 ~ 08:57	West	05:46	2.1			
25-Feb	Tue	28-Jan	17:57	15:14	3	10.2		08:57 ~ 15:14	East	11:42	1.4			Δ
								15:14 ~ 17:57	West	18:06	1.3			
06 = 1			06:36	09:45		9.45		06:36 ~ 09:45	West	06:39	2.5			
26-Feb	Wed	29-Jan	17:58	16:02	3	10.1		09:45 ~ 16:02	East	12:35	1.7			0
<u> </u>								16:02 ~ 17:58	West	18:56	1.8			
27 524	Thu	20 1	06:35	10:27	3	9.45		06:35 ~ 10:27	West	07:24	2.8			
27-Feb	ınu	30-Jan	17:59	16:41	3	10.1		10:27 ~ 16:41	East	13:17	2.1			0
-								16:41 ~ 17:59	West	19:39				
29_Eab	Eri	1_Eob	06:34	11:04	3	9.45		06:34 ~ 11:04	West	08:05	3.0			
28-Feb	Fri	1-Feb	18:00	17:17	3	10		$11:04 \sim 17:17$ $17:17 \sim 18:00$	East	13:55	2.3			0
								17:17 ~ 18:00	West	20:19	2.6			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fisl	ning day	
Date	Day	Lunar Calendar	Sunset Sunrise	water between sunrise	of operating	tem. * (°C/ last	Trawl fishing	Time	Current	Maximum	Current	West of Ogijima Island	East of Ogijima Island	Difficulty**
		Galcridai	Outilise	to sunset	times	year)	listing	Time	Direction	Time	Speed	Ogijima islana	Ogijima island	
								06:33 ~ 11:39	West	08:43	3.1			
1-Mar	Sat	2-Feb	06:33	11:39	3	9.55	Off	11:39 ~ 17:51	East	14:29	2.5			0
			18:01	17:51		10		17:51 ~ 18:01	West	20:58	2.8			
								06:31 ~ 12:11	West	09:20	2.9			
2-Mar	Sun	3-Feb	06:31	12:11	2	9.55		12:11 ~ 18:01	East	15:03	2.5			0
			18:01			9.9			<b> </b>		<del> </del>			
3-Mar	Mon	4-Feb	06:30	06:51	2	9.45		06:51 ~ 12:43	West	09:56	2.6			0
			18:02	12:43		9.9		12:43 ~ 18:02	East	15:36	2.5			
								06:29 ~ 07:29	East	04:01	2.3			
4-Mar	Tue	5-Feb	06:29	07:29	3	9.45	Off	07:29 ~ 13:14	West	10:31	2.3			Δ
			18:03	13:14		9.8		13:14 ~ 18:03	East	16:10	2.4			_
								06:28 ~ 08:08	East	04:43	1.9			
5-Mar	Wed	6-Feb	06:28	08:08	3	9.6		08:08 ~ 13:46	West	11:08	1.8			
3 1 101	1100	0 1 65	18:04	13:46		10		13:46 ~ 18:04	East	16:48	2.1			
								06:26 ~ 08:52	East	05:31	1.5			
6-Mar	Thu	7-Feb	06:26	08:52	3	9.65		08:52 ~ 14:22	West	11:49	1.4			
0-Iviai	mu	7-160	18:05	14:22	]	10				<b> </b>	<b></b>			
								14:22 ~ 18:05	East	17:33	1.8			
7 M	F:	0.5-6	06:25	09:50		9.7					N 6:-	de tre es		
7-Mar	Fri	8-Feb	18:06	15:08	0	10					Non-fis	ning		
		0 = 1	06:24	11:22		9.75	0.00							
8-Mar	Sat	9-Feb	18:06	16:19	0	10	Off				Non-fis	ning		
										T		T	1	
			06:22	07:10	_	9.8		07:10 ~ 13:19	East	10:01	0.7			
9-Mar	Sun	10-Feb	18:07	13:19	3	9.9		13:19 ~ 18:06	West	15:53	0.6	Non-fishing		
				18:06				18:06 ~ 18:07	East	21:43	1.3			
			06:21	08:22		9.8		06:21 ~ 08:22	West	04:52	1.7			
10-Mar	Mon	11-Feb	18:08	14:36	3	9.8		08:22 ~ 14:36	East	11:24	1.0			
								14:36 ~ 18:08	West	17:15	1.0			
			06:20	09:10		10		06:20 ~ 09:10	West	05:53	2.1			
11-Mar	Tue	12-Feb	18:09		3	10	Off	09:10 ~ 15:26	East	12:16	1.4			Δ
								15:26 ~ 18:09	West	18:11	1.5			
			06:18	09:48		10.15		06:18 ~ 09:48	West	06:39	2.4			
12-Mar	Wed	13-Feb	18:10	16:05	3	10.15		09:48 ~ 16:05	East	12:54	1.8			Δ
								16:05 ~ 18:10	West	18:55	2.0			
			06:17	10.21		10.15		06:17 ~ 10:21	West	07:18	2.6			
13-Mar	Thu	14-Feb	06:17 18:10	10:21 16:40	3	10.15 10		10:21 ~ 16:40	East	13:26	2.0			0
			10.10	10.70		10		16:40 ~ 18:10	West	19:34	2.3			
			06.15	10.50		10.05		06:16 ~ 10:50	West	07:53	2.7			
14-Mar	Fri	15-Feb	06:16 18:11	10:50 17:11	3	10.25 10.2		10:50 ~ 17:11	East	13:53	2.2			0
			10.11	17.11		10.2		17:11 ~ 18:11	West	20:09	2.6			
								06:14 ~ 11:17	West	08:26	2.7			
15-Mar	Sat	16-Feb	06:14	11:17	3	10.4	Off	11:17 ~ 17:39	East	14:15	2.3			0
			18:12	17:39		10.4		17:39 ~ 18:12	West	20:42	2.7			
								1,100	1,030	20.72	۷.,			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time)		Non-fish	ning day	
Date	Day	Lunar Calendar	Sunset	water	of	tem. *	Trawl		Current	Maximum	Current	West of	East of	Difficulty**
		Calendar	Sunrise	between sunrise to sunset	operating times	(°C/ last year)	lisning	Time	Direction	Time	Speed	Ogijima Island	Ogijima Island	
								06:13 ~ 11:41	West	08:56	2.6			
16-Mar	Sun	17-Feb	06:13	11:41	3	10.55		11:41 ~ 18:04	East	14:36	2.3			0
			18:13	18:04		10.5		18:04 ~ 18:13	West	21:12	2.6			
17-Mar	Mon	18-Feb	06:12	06:17	2	10.7		06:17 ~ 12:05	West	09:23	2.4			Δ
			18:14	12:05	_	10.7		12:05 ~ 18:14	East	14:57	2.4			
								12.00	2400	11107				
18-Mar	Tue	19-Feb	06:10	06:39	2	10.65	Off	06:39 ~ 12:27	West	09:48	2.1			Δ
10		13 . 05	18:14	12:27	_	10.7	0	12:27 ~ 18:14	East	15:20	2.3			1
								06:09 ~ 07:01	East	03:42	1.9			
19-Mar	Wed	20-Feb	06:09	07:01	3	10.7	Off	07:01 ~ 12:51	West	10:13	1.9			
15 Mai	Wed	20 1 CD	18:15	12:51	3	10.8	Oli	$12:51 \sim 18:15$	East	15:47	2.3			
								06:08 ~ 07:27	East	04:14	1.7			
20-Mar	Thu	21-Feb	06:08	07:27	3	10.7		07:27 ~ 13:17	West	10:39	1.6			
20 11101	IIIu	21 1 60	18:16	13:17	3	10.7				16:19	2.1			
									East					
21 May	ri	22 Fab	06:06	08:00	3	10.7		06:06 ~ 08:00	East	04:53	1.5			
21-Mar	Fri	22-Feb	18:17	13:49	3	10.6		08:00 ~ 13:49	West	11:10	1.3			
								13:49 ~ 18:17	East	16:58	1.9			
			06:05	08:48		10.7	0.00							
22-Mar	Sat	23-Feb	18:17	14:30	0	10.6	Off				Non-fis	shing		
			06:03	10:02		10.85								
23-Mar	Sun	24-Feb	18:18	15:34	0	10.6					Non-fis	hing		
			06:02	11:55		10.95		06:02 ~ 11:55	East	08:35	0.8			
24-Mar	Mon	25-Feb	18:19	17:17	3	10.7		11:55 ~ 17:17	West	14:53	0.6	Non-fishing		
								17:17 ~ 18:19	East	20:42	1.3			
			06:01	07:23		11		06:01 ~ 07:23	West	04:04	1.6			
25-Mar	Tue	26-Feb	18:20	13:37	3	10.7	Off	07:23 ~ 13:37	East	10:07	1.1			
								13:37 ~ 18:20	West	16:36	1.0			
			05:59	08:24		11.05		05:59 ~ 08:24	West	05:17	2.0			
26-Mar	Wed	27-Feb	18:21	14:41	3	10.7		08:24 ~ 14:41	East	11:13	1.5			Δ
								14:41 ~ 18:21	West	17:41	1.5			
			05:58	09:11		11.15		05:58 ~ 09:11	West	06:12	2.4			
27-Mar	Thu	28-Feb	18:21	15:27	3	10.8		09:11 ~ 15:27	East	12:04	1.9			Δ
								15:27 ~ 18:21	West	18:32	2.1			
			05:57	09:53		11.25		05:57 ~ 09:53	West	06:58	2.7			
28-Mar	Fri	02/29	18:22	16:07	3	10.9		09:53 ~ 16:07	East	12:46	2.3			0
			10.22	10.07		10.5		16:07 ~ 18:22	West	19:16	2.6			
			05:55	10.20		11 45		05:55 ~ 10:30	West	07:39	2.9			
29-Mar	Sat	1-Mar	18:23	10:30 16:45	3	11.45 11.1	Off	10:30 ~ 16:45	East	13:24	2.6			0
			10.23	10.75		11.1		16:45 ~ 18:23	West	19:57	3.0			
			05 5	44.0=		44.55		05:54 ~ 11:05	West	08:18	2.9			
30-Mar	Sun	2-Mar	05:54	11:05	3	11.65		11:05 ~ 17:21	East	13:59	2.7			0
			18:24	17:21		11.3		17:21 ~ 18:24	West	20:36	3.2			
				05:55				05:55 ~ 11:38	West	08:56	2.7			
31-Mar	Mon	3-Mar	05:53	11:38	3	11.75		11:38 ~ 17:57	East	14:34	2.7			0
			18:24	17:57		11.5		17:57 ~ 18:24	West	21:16	3.2			
								10.27			0.2			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fish	ning day	
Date	Day	Lunar Calendar	Sunset Sunrise	water between sunrise	of operating	tem. * (°C/ last	Trawl fishing		Current	Maximum	Current	West of Ogijima Island	East of Ogijima Island	Difficulty**
		Caleridai	Sumse	to sunset	times	year)	listility	Time	Direction	Time	Speed	Ogijiilla islaliu	Ogijii ila islanu	
											,			
1-Apr	Tue	4-Mar	05:51	06:35	2	11.57	Off	06:35 ~ 12:10	West	09:32	2.4			Δ
-			18:25	12:10		11.8		12:10 ~ 18:25	East	15:07	2.6			
								05:50 ~ 07:14	East	03:45	2.2			
2-Apr	Wed	5-Mar	05:50	07:14	3	11.67		07:14 ~ 12:42	West	10:09	2.0			Δ
_ / .p.		0	18:26	12:42		11.9		12:42 ~ 18:26	East	15:42	2.4			
								05:49 ~ 07:54	East	04:27	1.8			
3-Apr	Thu	6-Mar	05:49	07:54	3	11.7		07:54 ~ 13:16	West	10:47	1.6			
3 Арі	ina	O Mai	18:27	13:16		11.9		13:16 ~ 18:27	East	16:21	2.1			
4 4	F:	7 M	05:47	08:41	_	11.8			East	05:15	1.3			
4-Apr	Fri	7-Mar	18:27	13:54	3	11.9		08:41 ~ 13:54	West	11:30	1.2			
								13:54 ~ 18:27	East	17:06	1.8			
			05:46	09:45		12.03	0.55							
5-Apr	Sat	8-Mar	18:28	14:45	0	12.2	Off				Non-fis	hing		
			05:45	11:19		12.1								
6-Apr	Sun	9-Mar	18:29	16:07	0	12.1					Non-fis	hing		
			05:43	06:41		12.23		06:41 ~ 12:58	East	09:45	0.8			
7-Apr	Mon	10-Mar	18:30	12:58	3	12.23		12:58 ~ 18:02	West	15:35	0.7	Non-fishing		
				18:02				18:02 ~ 18:30	East	21:35	1.2			
			05.42	07.44		12.27		05:42 ~ 07:44	West	04:23	1.6			
8-Apr	Tue	11-Mar	05:42 18:30	07:44 14:04	3	12.27 12.3	Off	07:44 ~ 14:04	East	10:52	1.1			
			10.50	14.04		12.3		14:04 ~ 18:30	West	16:52	1.2			
								05:41 ~ 08:29	West	05:22	1.8			
9-Apr	Wed	12-Mar	05:41	08:29	3	12.33		08:29 ~ 14:51	East	11:38	1.5			
			18:31	14:51		12.3		14:51 ~ 18:31	West	17:46	1.7			
								05:39 ~ 09:06	West	06:08	2.1			
10-Apr	Thu	13-Mar	05:39	09:06	3	12.5		09:06 ~ 15:29	East	12:13	1.8			Δ
			18:32	15:29		12.3		15:29 ~ 18:32	West	18:28	2.1			
								05:38 ~ 09:38	West	06:47	2.3			
11-Apr	Fri	14-Mar	05:38	09:38	3	12.63		09:38 ~ 16:03	East	12:43	2.1			0
٠.٠٠			18:33	16:03		12.4		16:03 ~ 18:33	West	19:06	2.5			
								05:37 ~ 10:07	West	07:21	2.4			
12-Apr	Sat	15-Mar	05:37	10:07	3	12.83	Off	10:07 ~ 16:33	East	13:09	2.3			0
12 Api	Suc	15 Mai	18:33	16:33		12.7	Oii							0
								16:33 ~ 18:33	West	19:41	2.7			
12 4	C	16 M	05:35	10:35	3	12.93		05:35 ~ 10:35	West	07:54	2.4			
13-Apr	Sun	16-Mar	18:34	17:01	3	12.8		10:35 ~ 17:01	East	13:33	2.4			0
								17:01 ~ 18:34	West	20:13	2.8			
			05:34	11:01	_	13.2		05:34 ~ 11:01	West	08:24	2.3			_
14-Apr	Mon	17-Mar	18:35	17:26	3	13.2		11:01 ~ 17:26	East	13:56	2.4			0
								17:26 ~ 18:35	West	20:43	2.8			
			05:33	05:50		13.13		05:50 ~ 11:25	West	08:52	2.1			
15-Apr	Tue	18-Mar	18:36	11:25	3	13.13	Off	11:25 ~ 17:48	East	14:19	2.4			0
				17:48				17:48 ~ 18:36	West	21:12	2.7			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

		Ī		The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fish	ning day	
Date	Day	Lunar	Sunset Sunrise	water	of	tem. * (°C/ last	Trawl		Current	Maximum	Current	West of	East of	Difficulty**
		Calendar	Sunnse	between sunrise to sunset	operating times	year)	lisning	Time	Direction	Time	Speed	Ogijima Island	Ogijima Island	
				06:13							'			
16-Apr	Wed	19-Mar	05:32	11:50	2	13.23		06:13 ~ 11:50	West	09:19	1.9			
			18:37	18:11		13.6		11:50 ~ 18:11	East	14:45	2.4			
				06:38				05:30 ~ 06:38	East	03:17	1.9			
17-Apr	Thu	20-Mar	05:30	12:16	3	13.4		06:38 ~ 12:16	West	09:45	1.7	ł		
			18:37	18:37		13.8		12:16 ~ 18:37	East	15:14	2.3			
								05:29 ~ 07:06	East	03:50	1.7			
18-Apr	Fri	21-Mar	05:29	07:06	3	13.47		07:06 ~ 12:44	West	10:14	1.5	ł		
10 / ip.			18:38	12:44		13.7		12:44 ~ 18:38	East	15:47	2.2			
								05:28 ~ 07:44	East	04:30	1.5			
19-Apr	Sat	22-Mar	05:28	07:44	3	13.6	Off	07:44 ~ 13:20	West	10:48	1.2			
13 Api	Juc	22 1101	18:39	13:20		13.9	OII	13:20 ~ 18:39	East	16:29	2.0			
								13.20 10.39	Last	10.29	2.0			
20-Apr	Sun	23-Mar	05:27	08:36	0	13.63					Non-fis	:hina		
20-Api	Juli	23-Mai	18:40	14:06	0	13.9					INOIT-IIS	sillig		
21 / 00 11	Mon	24-Mar	05:26	09:53	0	13.7					Non-fis	ala i a a		
21-Apr	MOH	24-Mai	18:40	15:17	U	13.7					INOIT-IIS	sillig		
								05.24 11.20	F	00.07	1.0	1		
22 4	<b>T</b>	25 M	05:24	11:29	_	13.8	044	05:24 ~ 11:29	East	08:07	1.0	Nan Galaina		
22-Apr	Tue	25-Mar	18:41	17:01	3	13.7	Off	11:29 ~ 17:01	West	14:28	0.8	Non-fishing		
								17:01 ~ 18:41	East	20:19	1.3			
			05:23	06:38		14		06:38 ~ 12:55	East	09:31	1.2			
23-Apr	Wed	26-Mar	18:42	12:55	3	13.9		12:55 ~ 18:41	West	16:03	1.2			
				18:41				18:41 ~ 18:42	East	21:47	1.6			
			05:22	07:40		14		05:22 ~ 07:40	West	04:40	1.8			
24-Apr	Thu	27-Mar	18:43	13:57	3	13.9		07:40 ~ 13:57	East	10:34	1.6			
								13:57 ~ 18:43	West	17:10	1.8			
			05:21	08:30		13.97		05:21 ~ 08:30	West	05:38	2.1			
25-Apr	Fri	28-Mar	18:44	14:47	3	13.9		08:30 ~ 14:47	East	11:25	2.0			Δ
								14:47 ~ 18:44	West	18:03	2.3			
			05:20	09:13		14.17		05:20 ~ 09:13	West	06:27	2.4			
26-Apr	Sat	29-Mar	18:44	15:31	3	14.1	Off	09:13 ~ 15:31	East	12:10	2.4			0
								15:31 ~ 18:44	West	18:50	2.8			
			05:19	09:53		14.3		05:19 ~ 09:53	West	07:11	2.5			
27-Apr	Sun	30-Mar	18:45	16:13	3	14.3		09:53 ~ 16:13	East	12:51	2.6			0
								16:13 ~ 18:45	West	19:34	3.2			
			05:18	10:30		14.5		05:18 ~ 10:30	West	07:53	2.5			
28-Apr	Mon	1-Apr	18:46	16:54	3	14.5	Off	10:30 ~ 16:54	East	13:29	2.8			0
								16:54 ~ 18:46	West	20:16	3.4			
			05:17	05:40	l	14.6		05:40 ~ 11:07	West	08:33	2.4		·	
29-Apr	Tue	2-Apr	18:47	11:07	3	14.5		11:07 ~ 17:34	East	14:07	2.8			0
				17:34	L			17:34 ~ 18:47	West	20:58	3.3			
			05.45	06:22		14.7		05:15 ~ 06:22	East	02:53	2.3			
30-Apr	Wed	3-Apr	05:15 18:47	11:42	3	14.7 14.8		06:22 ~ 11:42	West	09:12	2.1			Δ
	1	ı	10:4/	18:15	I	14.0		11:42 ~ 18:15	East	14:44	2.6	1		

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fish	ning day	
Date	Day	Lunar	Sunset	water	of	tem. *	Trawl		Current	Maximum	Current	West of	East of	Difficulty**
		Calendar	Sunrise	between sunrise to sunset	operating times	year)	fishing	Time	Direction	Time	Speed	Ogijima Island	Ogijima Island	
								05:14 ~ 07:05	East	03:35	2.0			
1-May	Thu	4-Apr	05:14	07:05	3	14.83		07:05 ~ 12:18	West	09:52	1.8			
,			18:48	12:18		14.9		12:18 ~ 18:48	East	15:23	2.4			
								05:13 ~ 07:49	East	04:19	1.6			
2-May	Fri	5-Apr	05:13	07:49	3	14.87		07:49 ~ 12:57	West	10:34	1.5			
Z Muy	'''	3 дрі	18:49	12:57		14.9		12:57 ~ 18:49	East	16:04	2.1			
								05:12 ~ 08:40	East	05:10	1.3			
3-May	Sat	6-Apr	05:12	08:40	3	14.97		08:40 ~ 13:41	West	11:21	1.2			
3 May	Jac	ОАрі	18:50	13:41		15.1		13:41 ~ 18:50	East	16:53	1.7			
										06:16				
4 May	C	7 4 2 2	05:11	09:43	3	15.1	Off		East		1.0			
4-May	Sun	7-Apr	18:51	14:40	3	15.1	OII	09:43 ~ 14:40	West	12:18	0.9			
								14:40 ~ 18:51	East	17:59	1.3			
г мач	Man	0 4 5 5	05:11	10:58	0	15.33	Off				Non fin	la in a		
5-May	Mon	8-Apr	18:51	16:03	0	15.3	Off				Non-fis	ning		
	_	١	05:10	05:45		15.53								
6-May	Tue	9-Apr	18:52	12:13 17:44	0	15.5					Non-fis	ining		
				17.44										
			05:09	06:45	_	15.67		05:09 ~ 06:45	West	03:34	1.4			
7-May	Wed	10-Apr	18:53	13:14	3	15.5		06:45 ~ 13:14	East	09:57	1.2	Non-fishing		
								13:14 ~ 18:53	West	16:13	1.3			
			05:08	07:32		15.67		05:08 ~ 07:32	West	04:36	1.6			
8-May	Thu	11-Apr	18:54	14:03	3	15.5		07:32 ~ 14:03	East	10:42	1.5			
								14:03 ~ 18:54	West	17:09	1.7			
			05:07	08:12		15.7		05:07 ~ 08:12	West	05:25	1.7			
9-May	Fri	12-Apr	18:54	14:44	3	15.5		08:12 ~ 14:44	East	11:21	1.8			Δ
								14:44 ~ 18:54	West	17:54	2.1			
			05:06	08:48		15.8		05:06 ~ 08:48	West	06:07	1.9			
10-May	Sat	13-Apr	18:55	15:21	3	15.6	Off	08:48 ~ 15:21	East	11:54	2.0			Δ
								15:21 ~ 18:55	West	18:34	2.4			
			05:05	09:22		16		05:05 ~ 09:22	West	06:46	2.0			
11-May	Sun	14-Apr	18:56	15:54	3	15.9		09:22 ~ 15:54	East	12:24	2.2			0
								15:54 ~ 18:56	West	19:11	2.6			
	l		05:04	09:53		16.13		05:04 ~ 09:53	West	07:21	2.0			
12-May	Mon	15-Apr	18:57	16:24	3	16.13		09:53 ~ 16:24	East	12:53	2.3			0
								16:24 ~ 18:57	West	19:45	2.7			
			05:04	10.22		16 22		05:04 ~ 10:23	West	07:54	1.9			
13-May	Tue	16-Apr	18:58	10:23 16:52	3	16.23 16.2	Off	10:23 ~ 16:52	East	13:21	2.4			0
	<u> </u>	<u> </u>	10.00	10.02	<u> </u>			16:52 ~ 18:58	West	20:18	2.8			
			05.02	05:29		16 27		05:29 ~ 10:52	West	08:26	1.8			
14-May	Wed	17-Apr	05:03 18:58	10:52	3	16.27 16.3		10:52 ~ 17:18	East	13:49	2.4			0
			10.50	17:18		10.5		17:18 ~ 18:58	West	20:51	2.7			
				05:58				05:58 ~ 11:21	West	08:58	1.7			
15-May	Thu	18-Apr	05:02 18:59	11:21	3	16.37 16.5		11:21 ~ 17:46	East	14:18	2.4			0
	Ī	I	10:29	17:46		10.5		17:46 ~ 18:59	West	21:23	2.6			1

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time)		Non-fish	ning day	
Date	Day	Lunar	Sunset	water	of	tem. *	Trawl		Current	Maximum	Current	West of	East of	Difficulty**
		Calendar	Sunrise	between sunrise to sunset	operating times	year)	fishing	Time	Direction	Time	Speed	Ogijima Island	Ogijima Island	
				06:28		- 1		05:01 ~ 06:28	East	03:00	1.8			
16-May	Fri	19-Apr	05:01	11:52	3	16.47		06:28 ~ 11:52	West	09:29	1.5			
10,		15 7.5.	19:00	18:17		16.6		11:52 ~ 18:17	East	14:51	2.3			
				07:02				05:01 ~ 07:02	East	03:36	1.7			
17-May	Sat	20-Apr	05:01	12:26	3	16.67	Off	07:02 ~ 12:26	West	10:03	1.4			
17	out	20 7.5.	19:01	18:53		16.9	0	12:26 ~ 18:53	East	15:29	2.2			
								05:00 ~ 07:43	East	04:19	1.5			
18-May	Sun	21-Apr	05:00	07:43	3	16.67		07:43 ~ 13:07	West	10:43	1.2			
10 114	Suii	21 / (p)	19:01	13:07		16.7		13:07 ~ 19:01	East	16:13	2.0			
								04:59 ~ 08:35	East	05:11	1.4			
19-May	Mon	22-Apr	04:59	08:35	3	16.67		08:35 ~ 14:00	West	11:33	1.4			
19-May	141011	22-Api	19:02	14:00		16.5			<b> </b>	17:10	1.7			
								14:00 ~ 19:02	East	17:10	1.7			
20-May	Tue	23-Apr	04:59	09:41	0	16.8	Off				Non-fis	hing		
			19:03	15:12		16.8								
			04:58	10:54		17								
21-May	Wed	24-Apr	19:03	16:44	0	17					Non-fis	hing		
			04:57	05:46		17.07		05:46 ~ 12:06	East	08:46	1.5			
22-May	Thu	25-Apr	19:04	12:06	3	17.07		12:06 ~ 18:16	West	15:22	1.4	Non-fishing		
				18:16				18:16 ~ 19:04	East	21:16	1.5			
			04:57	06:48		17.2		04:57 ~ 06:48	West	03:54	1.6			
23-May	Fri	26-Apr	19:05	13:11	3	17.1		06:48 ~ 13:11	East	09:50	1.7			
								13:11 ~ 19:05	West	16:34	1.9			
			04.56	07.42		17.42		04:56 ~ 07:43	West	05:00	1.8			
24-May	Sat	27-Apr	04:56 19:06	07:43 14:07	3	17.43 17.4	Off	07:43 ~ 14:07	East	10:45	2.1			Δ
			15.00	1,		27.1.		14:07 ~ 19:06	West	17:34	2.4			
			04.56	00.22		17 77		04:56 ~ 08:32	West	05:55	1.9			
25-May	Sun	28-Apr	04:56 19:06	08:32 14:59	3	17.77 18.2		08:32 ~ 14:59	East	11:35	2.4			0
			13.00	15		10.2		14:59 ~ 19:06	West	18:26	2.8			
			04:55	00.17		10		04:55 ~ 09:17	West	06:45	2.1			
26-May	Mon	29-Apr	19:07	09:17 15:47	3	18 18.5		09:17 ~ 15:47	East	12:21	2.6			0
			15.07	13.17		10.5		15:47 ~ 19:07	West	19:14	3.2			
			04.55	10.00		40		04:55 ~ 10:00	West	07:31	2.1			
27-May	Tue	1-May	04:55 19:08	10:00 16:34	3	18 18.2	Off	10:00 ~ 16:34	East	13:05	2.7			0
			15.00	10.54		10.2		16:34 ~ 19:08	West	20:00	3.3			
			04.55	05:29		10.00		05:29 ~ 10:42	West	08:15	2.0			
28-May	Wed	2-May	04:55 19:08	10:42	3	18.23 18.7		10:42 ~ 17:20	East	13:48	2.7			0
			19.00	17:20		10.7		17:20 ~ 19:08	West	20:45	3.3			
				06:14		46		06:14 ~ 11:23	West	08:58	1.9			
29-May	Thu	3-May	04:54	11:23	3	18.33		11:23 ~ 18:05	East	14:30	2.6			0
			19:09	18:05		18.3		18:05 ~ 19:09	West	21:29	3.1			
				06:59				04:54 ~ 06:59	East	03:31	1.9			
30-May	Fri	4-May	04:54	12:05	3	18.4		06:59 ~ 12:05	West	09:41	1.8			Δ
<b>_</b>		'	19:10	18:50		18.6		12:05 ~ 18:50	East	15:13	2.3			
								04:53 ~ 07:45	East	04:17	1.6			
31-May	Sat	5-May	04:53	07:45	3	18.4	Off	07:45 ~ 12:49	West	10:25	1.6			
		'	19:10	12:49		18.7		12:49 ~ 19:10	East	15:58	2.0			
								12.10	Last	13.30	2.0			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fish	ning day	
Date	Day	Lunar Calendar	Sunset Sunrise	water between sunrise	of operating	tem. * (°C/ last	Trawl	<del>-</del>	Current	Maximum	Current	West of Ogijima Island	East of Ogijima Island	Difficulty**
		Caleridar	Surinse	to sunset	times	year)	listilig	Time	Direction	Time	Speed	Ogijima island	Ogijima island	
								04:53 ~ 08:32	East	05:05	1.4			
1-Jun	Sun	6-May	04:53	08:32	3	18.43		08:32 ~ 13:38	West	11:12	1.4			
			19:11	13:38		18.6		13:38 ~ 19:11	East	16:47	1.7			
								04:53 ~ 09:22	East	05:58	1.3			
2-Jun	Mon	7-May	04:53	09:22	3	18.47		09:22 ~ 14:35	West	12:03	1.2			
			19:11	14:35		18.6		14:35 ~ 19:11	East	17:46	1.4			
3-Jun	Tue	8-May	04:53 19:12	10:17 15:44	0	18.63 18.6	Off		•		Non-fis	hing		
4-Jun	Wed	9-May	04:52 19:13	11:15 17:04	0	18.87 18.7					Non-fis	hing		
			04.50	05:30		10.07		05:30 ~ 12:11	East	08:46	1.4			
5-Jun	Thu	10-May	04:52 19:13	12:11	3	18.97 18.9		12:11 ~ 18:21	West	15:17	1.3	Non-fishing		
			19.13	18:21		10.5		18:21 ~ 19:13	East	21:14	1.1			
			04.50	06.24		40.0		04:52 ~ 06:21	West	03:32	1.3			
6-Jun	Fri	11-May	04:52 19:14	06:21 13:04	3	18.9 19		06:21 ~ 13:04	East	09:35	1.5			
			13.11	13.01		13		13:04 ~ 19:14	West	16:19	1.6			
			04:52	07:09		19		04:52 ~ 07:09	West	04:30	1.3			
7-Jun	Sat	12-May	19:14	13:52	3	19.1	Off	07:09 ~ 13:52	East	10:20	1.7			
			13.11	10.02		15.1		13:52 ~ 19:14	West	17:12	1.9			
			04:52	07:54		19.1		04:52 ~ 07:54	West	05:22	1.4			
8-Jun	Sun	13-May	19:15	14:35	3	19.1		07:54 ~ 14:35	East	11:02	1.9			Δ
			15.15	155		2511		14:35 ~ 19:15	West	17:59	2.2			
			04:52	08:35		19.27		04:52 ~ 08:35	West	06:08	1.5			
9-Jun	Mon	14-May	19:15	15:14	3	19.5		08:35 ~ 15:14	East	11:41	2.1			Δ
								15:14 ~ 19:15	West	18:41	2.4			
			04:51	09:15		19.33		04:51 ~ 09:15	West	06:51	1.6			
10-Jun	Tue	15-May	19:16	15:51	3	19.4	Off	09:15 ~ 15:51	East	12:17	2.2			0
								15:51 ~ 19:16	West	19:21	2.6			
			04:51	09:52		19.47		04:51 ~ 09:52	West	07:30	1.6			
11-Jun	Wed	16-May	19:16	16:26	3	19.8		09:52 ~ 16:26	East	12:53	2.3			0
								16:26 ~ 19:16	West	19:59	2.7			
			04:51	05:17		19.57		05:17 ~ 10:28	West	08:08	1.6			
12-Jun	Thu	17-May	19:16	10:28	3	20		10:28 ~ 17:00	East	13:28	2.3			0
				17:00				17:00 ~ 19:16	West	20:35	2.7			
			04:51	05:53		19.73		05:53 ~ 11:04	West	08:45	1.6			
13-Jun	Fri	18-May	19:17	11:04	3	20.2		11:04 ~ 17:35	East	14:03	2.3			0
				17:35				17:35 ~ 19:17	West	21:12	2.7			
			04:51	06:28		19.97		04:51 ~ 06:28	East	02:53	1.7			
14-Jun	Sat	19-May	19:17	11:41	3	20.8	Off	06:28 ~ 11:41	West	09:21	1.5			Δ
				18:11	ļ			11:41 ~ 18:11	East	14:41	2.3			
			04:51	07:03		19.93		04:51 ~ 07:03	East	03:31	1.7			
15-Jun	Sun	20-May	19:18	12:21	3	20.9		07:03 ~ 12:21	West	09:59	1.5			
				18:50				12:21 ~ 18:50	East	15:22	2.2			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fish	ning day	
Date	Day	Lunar	Sunset	water	of	tem. *	Trawl		Current	Maximum	Current	West of	East of	Difficulty**
	,	Calendar	Sunrise	between sunrise to sunset	operating times	(°C/ last year)	isning	Time	Direction	Time	Speed	Ogijima Island	Ogijima Island	,
								04:52 ~ 07:41	East	04:12	1.7			
16-Jun	Mon	21-May	04:52	07:41	3	20.03		07:41 ~ 13:06	West	10:39	1.5			
		,	19:18	13:06		20.8		13:06 ~ 19:18	East	16:08	2.0			
								04:52 ~ 08:25	East	04:59	1.6			
17-Jun	Tue	22-May	04:52	08:25	3	20.17	Off	08:25 ~ 13:59	West	11:25	1.4			
		,	19:18	13:59		20.8		13:59 ~ 19:18	East	17:01	1.8			
								13.33	Lust	17.01	1.0			
18-Jun	Wed	23-May	04:52	09:16	0	20.17					Non-fis	hina		
		,	19:19	15:04		20.4						J		
19-Jun	Thu	24-May	04:52	10:14	0	20.3					Non-fis	hing		
			19:19	16:21		20.4								
			0.4.50	44.40				04:52 ~ 11:19	East	07:58	1.6			
20-Jun	Fri	25-May	04:52 19:19	11:19 17:48	3	20.5 20.6		11:19 ~ 17:48	West	14:39	1.6	Non-fishing		
			15.15	17.40		20.0		17:48 ~ 19:19	East	20:40	1.4			
			0.4.50	05:53		20.62		05:53 ~ 12:26	East	09:03	1.8			
21-Jun	Sat	26-May	04:52 19:19	12:26	3	20.63	Off	12:26 ~ 19:10	West	15:58	1.9			
			15.15	19:10		20.7		19:10 ~ 19:19	East	21:56	1.4			
			04.50	06.55		20.62		04:53 ~ 06:55	West	04:20	1.3			
22-Jun	Sun	27-May	04:53 19:19	06:55 13:32	3	20.63		06:55 ~ 13:32	East	10:06	2.0			Δ
			19.19	15.52		20.7		13:32 ~ 19:19	West	17:08	2.3			
			0.4.50	07.50		20.0		04:53 ~ 07:53	West	05:27	1.5			
23-Jun	Mon	28-May	04:53 19:20	07:53 14:34	3	20.8 20.7		07:53 ~ 14:34	East	11:04	2.2			0
			19.20	14.54		20.7		14:34 ~ 19:20	West	18:08	2.7			
			04.50	00.40		24		04:53 ~ 08:48	West	06:24	1.6			
24-Jun	Tue	29-May	04:53 19:20	08:48 15:31	3	21 20.8	Off	08:48 ~ 15:31	East	11:59	2.4			0
			13.20	13.31		20.0		15:31 ~ 19:20	West	19:01	3.0			
			04.52	00.20		21.02		04:53 ~ 09:39	West	07:16	1.8			
25-Jun	Wed	1-Jun	04:53 19:20	09:39 16:24	3	21.03		09:39 ~ 16:24	East	12:51	2.5			0
			13.20	10.24		20.5		16:24 ~ 19:20	West	19:49	3.2			
			04.54	05:22		21.17		05:22 ~ 10:28	West	08:03	1.9			
26-Jun	Thu	2-Jun	04:54 19:20	10:28	3	21.17		10:28 ~ 17:13	East	13:40	2.5			0
				17:13				17:13 ~ 19:20	West	20:35	3.2			
			04:54	06:06		21.37		06:06 ~ 11:14	West	08:48	1.9			
27-Jun	Fri	3-Jun	19:20	11:14	3	21.37		11:14 ~ 17:59	East	14:26	2.5			0
				17:59				17:59 ~ 19:20	West	21:18	3.1			
			04:54	06:49		21.5		04:54 ~ 06:49	East	03:28	1.9			
28-Jun	Sat	4-Jun	19:20	12:00	3	21.5	Off	06:49 ~ 12:00	West	09:31	1.9			
				18:43		·		12:00 ~ 18:43	East	15:10	2.3			
			04:55	07:29		21.73		04:55 ~ 07:29	East	04:07	1.8			
29-Jun	Sun	5-Jun	19:20	12:45	3	21.73		07:29 ~ 12:45	West	10:13	1.9			
								12:45 ~ 19:20	East	15:53	2.1			
			04:55	08:08		21.83		04:55 ~ 08:08	East	04:44	1.7			
30-Jun	Mon	6-Jun	19:20	13:30	3	21.55		08:08 ~ 13:30	West	10:54	1.8			
								13:30 ~ 19:20	East	16:35	1.9			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time	)	Non-fish	ning day	
Date	Day	Lunar Calendar	Sunset Sunrise	water between sunrise	of	tem. *	Trawl	_,	Current	Maximum	Current	West of	East of	Difficulty**
	-	Calendar	Sunnse	to sunset	operating times	(°C/ last year)	fishing	Time	Direction	Time	Speed	Ogijima Island	Ogijima Island	
								04:56 ~ 08:47	East	05:20	1.6			
1-Jul	Tue	7-Jun	04:56	08:47	3	21.87	Off	08:47 ~ 14:18	West	11:36	1.6	Non-fishing		
			19:20	14:18		21.6		14:18 ~ 19:20	East	17:18	1.6			
										<u>I</u>				<u> </u>
2-Jul	Wed	8-Jun	04:56	09:27	0	22.03					Non-fis	hing		
			19:20	15:11		21.7								
3-Jul	Thu	9-Jun	04:56 19:20	10:11 16:11	0	22.13 21.6					Non-fis	hing		
			19.20	16.11		21.0								
			04.57	11.00		22.27		04:57 ~ 11:00	East	07:29	1.5			
4-Jul	Fri	10-Jun	04:57 19:20	11:00 17:20	3	22.27 21.9		11:00 ~ 17:20	West	14:10	1.4	Non-fishing		
			13.20	17.126		1117		17:20 ~ 19:20	East	20:02	1.0			
			04:57	05:03		22.27		05:03 ~ 11:54	East	08:21	1.5			
5-Jul	Sat	11-Jun	19:20	11:54	3	22.27	Off	11:54 ~ 18:32	West	15:16	1.4	Non-fishing		
				18:32				18:32 ~ 19:20	East	21:06	0.9			
			04:58	05:58		22.47		04:58 ~ 05:58	West	03:22	1.0			
6-Jul	Sun	12-Jun	19:20	12:50	3	22.47		05:58 ~ 12:50	East	09:16	1.6	Non-fishing		
								12:50 ~ 19:20	West	16:23	1.6			
			04:58	06:56		22.83		04:58 ~ 06:56	West	04:31	1.0			
7-Jul	Mon	13-Jun	19:19	13:46	3	22.3		06:56 ~ 13:46	East	10:10	1.7			
								13:46 ~ 19:19	West	17:23	1.9			
			04:59	07:52		22.73		04:59 ~ 07:52	West	05:33	1.1			
8-Jul	Tue	14-Jun	19:19	14:38	3	22.4	Off	07:52 ~ 14:38	East	11:01	1.8			Δ
								14:38 ~ 19:19	West	18:15	2.2			
			04:59	08:44		22.83		04:59 ~ 08:44	West	06:26	1.3			
9-Jul	Wed	15-Jun	19:19	15:25	3	22.6		08:44 ~ 15:25	East	11:49	2.0			Δ
								15:25 ~ 19:19	West	19:00	2.4			
			05:00	09:31		23.03		05:00 ~ 09:31	West	07:13	1.4			
10-Jul	Thu	16-Jun	19:19	16:09	3	23.1		09:31 ~ 16:09	East	12:34	2.1			0
								16:09 ~ 19:19	West	19:43	2.7			
	_		05:01	05:07	_	23.1		05:07 ~ 10:15	West	07:55	1.6			_
11-Jul	Fri	17-Jun	19:18	10:15 16:51	3	23.2		10:15 ~ 16:51	East	13:17	2.3			0
								16:51 ~ 19:18	West	20:23	2.8			
12 7	C-+	10 1	05:01	05:45	2	23.2	Off.	05:45 ~ 10:57	West	08:35	1.7			
12-Jul	Sat	18-Jun	19:18	10:57 17:30	3	23.1	Off	10:57 ~ 17:30	East	13:57	2.4			0
								17:30 ~ 19:18	West	21:00	2.8			
12 7	Cı	10 1	05:02	06:19	2	23.37		05:02 ~ 06:19	East	02:47	1.9			
13-Jul	Sun	19-Jun	19:18	11:38 18:09	3	23.2		06:19 ~ 11:38	West	09:12	1.8			
								11:38 ~ 18:09 05:02 ~ 06:51	East	14:38	2.4			
14-Jul	Mon	20-Jun	05:02	06:51 12:20	3	23.33		$05:02 \sim 06:51$ $06:51 \sim 12:20$	East	03:22 09:50	1.9			
±+-Jui	1.1011	ZU-JUII	19:17	12:20	,	23.2		$12:20 \sim 18:48$	West East	15:19	2.4			
								$05:03 \sim 07:25$	East	03:59	2.4			
15-Jul	Тид	21-Jun	05:03	07:25	3	23.33	Off	05:03 ~ 07:25 07:25 ~ 13:05	West	10:28	1.9			Δ
15 Jul	iuc	ZI-JUII	19:17	13:05	,	23.1	JII	$13:05 \sim 13:05$		16:02	2.2			
								13.05 ~ 19:1/	East	10:02	۷.۷			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

				The time of slack	Number	Water		Bisan Seto tide	table (ope	rating time)		Non-fish	ning day	
Date	Day	Lunar Calendar	Sunset Sunrise	water between sunrise	of operating	tem. * (°C/ last	Trawl fishing	Time	Current	Maximum (	Current	West of Ogijima Island	East of Ogijima Island	Difficulty**
				to sunset	times	year)	9	Time	Direction	Time	Speed	- 31,	- <u>3</u> -j	
			05:04	08:02		22.42		05:04 ~ 08:02	East	04:38	1.9			
16-Jul	Wed	22-Jun	19:16	13:53	3	23.43 23.1		08:02 ~ 13:53	West	11:09	1.9	Non-fishing		Δ
			13.10	10.00		10.1		13:53 ~ 19:16	East	16:49	2.0			
			05:04	08:45		23.73								
17-Jul	Thu	23-Jun	19:16	14:49	0	23.5					Non-fis	hing		
			05:05	09:35		23.9								
18-Jul	Fri	24-Jun	19:15	15:58	0	23.5					Non-fis	hing		
								05.06 40.26		07.40	4 -			
10.1.1	C-+	25 1	05:06	10:36	2	23.9	Off	05:06 ~ 10:36	East	07:10	1.7	Nam Gabina		
19-Jul	Sat	25-Jun	19:15	17:21	3	23.5	Off	$10:36 \sim 17:21$ $17:21 \sim 19:15$	West East	14:00 20:05	1.7	Non-fishing		
								05:06 ~ 11:47	East	08:19	1.7			
20-Jul	Sun	26-Jun	05:06	11:47	3	24.03	Off	11:47 ~ 18:52	West	15:25	1.8	Non-fishing		
20 34.	- Cu	20 34	19:14	18:52	9	23.7	0	18:52 ~ 19:14	East	21:30	1.1			
								05:07 ~ 06:10	West	03:44	0.9			
21-Jul	Mon	27-Jun	05:07	06:10	3	24.17		06:10 ~ 13:06	East	09:33	1.7	Non-fishing		Δ
			19:14	13:06		23.6		13:06 ~ 19:14	West	16:48	2.0			
								05:08 ~ 07:24	West	05:07	1.1			
22-Jul	Tue	28-Jun	05:08 19:13	07:24 14:20	3	24.33	Off	07:24 ~ 14:20	East	10:45	1.9			Δ
			19:13	14:20		23.8		14:20 ~ 19:13	West	17:56	2.4			
			05.00	00.22		24.62		05:08 ~ 08:32	West	06:12	1.3			
23-Jul	Wed	29-Jun	05:08 19:12	08:32 15:24	3	24.63 24.2		08:32 ~ 15:24	East	11:50	2.1			0
			13.12	13.21		21.2		15:24 ~ 19:12	West	18:51	2.7			
			05:09	09:30		24.67		05:09 ~ 09:30	West	07:05	1.7			
24-Jul	Thu	30-Jun	19:12	16:19	3	24.07		09:30 ~ 16:19	East	12:48	2.3			0
								16:19 ~ 19:12	West	19:39	3.0			
			05:10	05:10		24.77		05:10 ~ 10:22	West	07:53	2.0			
25-Jul	Fri	1-Jun	19:11	10:22 17:07	3	24.7		10:22 ~ 17:07	East	13:39	2.5			0
				17.07				17:07 ~ 19:11	West	20:22	3.1			
26 1.4	C-+	2.1	05:10	05:50	2	25.2	Off	05:50 ~ 11:09	West	08:35	2.2			
26-Jul	Sat	2-Jun	19:10	11:09 17:51	3	25	Off	11:09 ~ 17:51	East	14:23	2.5			0
								17:51 ~ 19:10 05:11 ~ 06:27	West East	21:01 03:11	3.1 2.1			
27-Jul	Sun	3-Jun	05:11	06:27 11:53	3	25.4		06:27 ~ 11:53	West	09:15	2.3			Δ
27 341	Jun	3 3411	19:10	18:29	3	25.1		11:53 ~ 18:29	East	15:02	2.4			Δ
				07:01				05:12 ~ 07:01	East	03:41	2.1			
28-Jul	Mon	4-Jun	05:12	12:34	3	25.57		07:01 ~ 12:34	West	09:53	2.3			Δ
			19:09	19:05		25.6		12:34 ~ 19:05	East	15:38	2.3			
								05:12 ~ 07:33	East	04:08	2.1			
29-Jul	Tue	5-Jun	05:12	07:33	3	25.7	Off	07:33 ~ 13:12	West	10:29	2.2			Δ
			19:08	13:12		25.9		13:12 ~ 19:08	East	16:10	2.0			
			05.10	00.04		25.00		05:13 ~ 08:04	East	04:35	2.0			
30-Jul	Wed	6-Jun	05:13 19:07	08:04 13:51	3	25.83 26.1		08:04 ~ 13:51	West	11:04	2.1			Δ
			15.07	15.51		20.1		13:51 ~ 19:07	East	16:42	1.8			
			05:14	08:35		25.93		05:14 ~ 08:35	East	05:03	1.9			
31-Jul	Thu	7-Jun	19:07	14:32	3	26.5		08:35 ~ 14:32	West	11:40	1.9	Non-fishing		
			•					14:32 ~ 19:07	East	17:17	1.5			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	of	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide table (operating time) Non-fis				hing day			
								<b>T</b> i	Current	Maximum Current		West of Ogijima Island	East of Ogijima Island	Difficulty**	
								Time	Direction	Time	Speed	Ogijima islana	Ogijima island		
1-Aug	Fri	8-Jun	05:15 19:06	09:10 15:18	0	25.7 25.7		Non-fishing							
2-Aug	Sat	9-Jun	05:15 19:05	09:50 16:16	0	26 26.1	Off	Non-fishing							
3-Aug	Sun	10-Jun	05:16 19:04	10:41 17:29	0	26.07 25.8		Non-fishing							
4-Aug	Mon	11-Jun	05:17 19:03	11:44 18:51	0	26.07 25.8		Non-fishing							
5-Aug	Tue	12-Jun	05:18 19:02	05:58 12:55	0	26.07 25.6	Off				Non-fis	hing			
6-Aug	Wed	13-Jun	05:18 19:01	07:16 14:05	3	26.27 25.9		05:18     ~     07:16       07:16     ~     14:05       14:05     ~     19:01	West East West	05:02 10:29 17:49	0.8 1.6 2.0			Δ	
7-Aug	Thu	14-Jun	05:19 19:00	08:22 15:05	3	26.33 26.1		05:19     ~     08:22       08:22     ~     15:05       15:05     ~     19:00	West East West	06:05 11:29 18:41	1.1 1.8 2.3			Δ	
8-Aug	Fri	15-Jun	05:20 18:59	09:17 15:56	3	26.37 26.2		05:20       ~       09:17         09:17       ~       15:56         15:56       ~       18:59	West East West	06:56 12:22 19:25	1.5 2.1 2.7			0	
9-Aug	Sat	16-Jun	05:20 18:58	10:06 16:41	3	26.4 26.7	Off	05:20 ~ 10:06 10:06 ~ 16:41 16:41 ~ 18:58	West East West	07:39 13:09 20:05	1.8 2.3 2.9			0	
10-Aug	Sun	17-Jun	05:21 18:57	05:23 10:50 17:23	3	26.6 27	Off	$05:23 \sim 10:50$ $10:50 \sim 17:23$ $17:23 \sim 18:57$	West East West	08:19 13:51 20:43	2.1 2.5 3.0			0	
11-Aug	Mon	18-Jun	05:22 18:56	05:56 11:32 18:02	3	26.77 27.2		05:56 ~ 11:32 11:32 ~ 18:02 18:02 ~ 18:56	West East West	08:57 14:31 21:19	2.3 2.6 2.9			0	
12-Aug	Tue	19-Jun	05:23 18:55	06:27 12:14 18:40	3	26.87 27.2		05:23 ~ 06:27 06:27 ~ 12:14 12:14 ~ 18:40	East West East	03:03 09:33 15:11	2.3 2.4 2.5			Δ	
13-Aug	Wed	20-Jun	05:23 18:54	06:59 12:57	3	27.03 27.4		05:23 ~ 06:59 06:59 ~ 12:57 12:57 ~ 18:54	East West East	03:36 10:10 15:50	2.3 2.4 2.4			Δ	
14-Aug	Thu	21-Jun	05:24 18:53	07:34 13:42	3	27.17 27.8	Off	05:24 ~ 07:34 07:34 ~ 13:42 13:42 ~ 18:53	East West East	04:10 10:49 16:32	2.2 2.4 2.1			Δ	
15-Aug	Fri	22-Jun	05:25 18:52	08:13 14:34	3	27.2 28.1	Off	05:25 ~ 08:13 08:13 ~ 14:34 14:34 ~ 18:52	East West East	04:48 11:32 17:20	2.1 2.2 1.7	Non-fishing		Δ	

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)

Date	Day	Lunar Calendar	Sunset Sunrise	The time of slack water between sunrise to sunset	Number	Water tem. * (°C/ last year)	Trawl fishing	Bisan Seto tide	rating time)		Non-fishing day				
					of operating				Current	Maximum Cu	urrent	West of Ogijima Island	East of Ogijima Island	Difficulty**	
					times			Time	Direction	Time S	peed	Ogijii la island	Ogijima islanu		
16-Aug	Sat	23-Jun	05:26 18:51	09:00 15:36	0	27.17 27.7			•	No	on-fisl	ning			
17-Aug	Sun	24-Jun	05:26 18:49	10:00 16:59	0	26.97 27.2		Non-fishing							
18-Aug	Mon	25-Jun	05:27 18:48	11:18 18:41	0	26.87 26.9		Non-fishing							
19-Aug	Tue	26-Jun	05:28 18:47	05:37 12:51	0	27.1 26.9	Off	Non-fishing							
20-Aug	Wed	27-Jun	05:28 18:46	07:12 14:14	0	27.17 26.7				No	on-fisl	ning			
21-Aug	Thu	28-Jun	05:29 18:45	08:28 15:19	3	27.23 26.7		05:29 ~ 08:28 08:28 ~ 15:19 15:19 ~ 18:45	West East West	11:51	1.3 1.9 2.5			0	
22-Aug	Fri	29-Jun	05:30 18:44	09:27 16:11	3	27.37 27		05:30 ~ 09:27 09:27 ~ 16:11 16:11 ~ 18:44	West East West	12:47	1.8 2.2 2.8			0	
23-Aug	Sat	1-Jul	05:31 18:42	10:16 16:55	3	27.4 27.2	Off	05:31 ~ 10:16 10:16 ~ 16:55 16:55 ~ 18:42	West East West	13:32	<ul><li>2.2</li><li>2.4</li><li>3.0</li></ul>			0	
24-Aug	Sun	2-Jul	05:31 18:41	11:00 17:34	3	27.6 27.5		05:31 ~ 11:00 11:00 ~ 17:34 17:34 ~ 18:41	West East West	14:11	<ul><li>2.5</li><li>2.5</li><li>3.0</li></ul>			0	
25-Aug	Mon	3-Jul	05:32 18:40	05:56 11:39 18:08	3	27.73 28		05:56 ~ 11:39 11:39 ~ 18:08 18:08 ~ 18:40	West East West	14:44	<ul><li>2.6</li><li>2.5</li><li>2.8</li></ul>			0	
26-Aug	Tue	4-Jul	05:33 18:39	06:26 12:15 18:38	3	27.77 28	Off	05:33 ~ 06:26 06:26 ~ 12:15 12:15 ~ 18:38	East West East	09:27	<ul><li>2.3</li><li>2.6</li><li>2.3</li></ul>			0	
27-Aug	Wed	5-Jul	05:33 18:37	06:53 12:48	3	27.8 27.9		05:33 ~ 06:53 06:53 ~ 12:48 12:48 ~ 18:37	East West East	09:59	<ul><li>2.3</li><li>2.5</li><li>2.1</li></ul>			0	
28-Aug	Thu	6-Jul	05:34 18:36	07:19 13:22	3	27.93 28.4		05:34 ~ 07:19 07:19 ~ 13:22 13:22 ~ 18:36	East West East	10:29	<ul><li>2.3</li><li>2.4</li><li>1.9</li></ul>			Δ	
29-Aug	Fri	7-Jul	05:35 18:35	07:44 13:56	3	27.67 27.7		05:35 ~ 07:44 07:44 ~ 13:56 13:56 ~ 18:35	East West East	11:00	<ul><li>2.2</li><li>2.2</li><li>1.7</li></ul>	Non-fishing		Δ	
30-Aug	Sat	8-Jul	05:35 18:33	08:13 14:35	0	27.47 27.2	Off			No	on-fisl	ning			
31-Aug	Sun	9-Jul	05:36 18:32	08:49 15:24	0	27.37 26.9				No	on-fisl	ning			

<sup>\*</sup>The upper row of water temperatures is the average for the last three years.

<sup>\*\*</sup>Difficulty in navigation:  $\triangle \rightarrow \bigcirc \rightarrow \bigcirc$  (maximum)