



JAPAN P&I NEWS

To the Members

2019 - Result of the Safety Measure for Navigation During the Peak Season of Stownet-fishing in Bisan-Seto, JAPAN

We have obtained information on the result of the safety measure for navigation during the peak season of stownet-fishing in Bisan-Seto, Japan, which was carried out from the beginning of February 2019 for about 6 months, from Licensed Inlandsea Pilots' Association. Please find attached free translation of the result for your reference.

Yours faithfully,

The Japan Ship Owners' Mutual Protection & Indemnity Association

Attachment: The result of the Safety Measure for Navigation During the Peak Season of Stownet-fishing in Bisan-Seto, JAPAN issued by President of Licensed Inlandsea Pilots' Association (free translation)

=Free translation=
Result of the Safety Measure for Navigation
During the Peak Season of Stownet-fishing in Bisan-Seto, JAPAN

1. Safety Measures were taken from 2nd February to 31st August 2019.
(211 days in total, including 29 'non-fishing days')

2. Result of navigation adjustment during Marine Traffic Safety Act

| | 2015 | 2016 | 2017 | 2018 | 2019 |
|---|--------------------------|------------------------|------------------------|-------------------------|------------------------|
| Entering Bisan-seto traffic route <u>on the day</u> after anchoring off Shodoshima | 7 | 1(1) | 1(1) | 2(2) | 1(1) |
| Entering Bisan-seto traffic route <u>on the next day</u> after anchoring off Shodoshima | 25 | 9(7) | 2(2) | 9(6) | 15(15) |
| Speed reduction | - | - | - | - | - |
| Adjustment off Misaki (temporary anchoring or time adjustment) | 7 | 11(10) | 11(10) | 12(6) | 7(7) |
| Cancellation or delay of departure (East bound vessel) | 44 | 57(38) | 29(19) | 44(20) | 39(31) |
| (West bound vessel) | 17 | 2(2) | 5(5) | 0 | 0 |
| Alternative route (Kita-harima traffic lane via Ishima Channel, Mizushima ~ North of Bisan ~ South of Bisan ~ East of Bisan, Teshima) | 5 | 2(2) | 2(2) | 1(1) | 0 |
| Adjustment other than above | 2 | 1(1) | 0(0) | 0(0) | 0 |
| Total | 70 vessels, 107 cases | 61 vessels 83 cases | 39 vessels 50 cases | 35 vessels, 68 cases | 54 vessels 62 cases |

* Alternative route and Other adjustments are not included in the List of navigation adjustment

*() : Number of vessels which carried out navigation adjustment

3. Entering Mizushima port during the peak season (for large vessels over 200m in length)

| | 2015 | 2016 | 2017 | 2018 | 2019 |
|-------------------------|-------------|-------------|-------------|-------------|-------------|
| Wada → Mizushima | 186 | 192 | 187 | 211 | 208 |
| Sekizaki → Mizushima | 8 | 12 | 2 | 10 | 1 |
| Other ports → Mizushima | 13 | 6 | 10 | 13 | 8 |
| Total | 207 vessels | 210 vessels | 199 vessels | 234 vessels | 217 vessels |

4. Departing from Mizushima port during the peak season (for large vessels over 200m in length)

| | 2015 | 2016 | 2017 | 2018 | 2019 |
|-------------------------|-------------|-------------|-------------|-------------|-------------|
| Mizushima → Wada | 132 | 107 | 98 | 130 | 125 |
| Mizushima → Sekizaki | 64 | 89 | 80 | 86 | 80 |
| Mizushima → Other ports | 14 | 14 | 22 | 21 | 19 |
| Total | 210 vessels | 210 vessels | 200 vessels | 237 vessels | 224 vessels |

5. Obtaining information on stownet-fishing through pooling fax

- (1) During the peak season, it was able to obtain the information on stownet-fishing from Bisan-seto Vessel Traffic Service Centre within 1 hour 30 minutes after the tidal current change.

(2) Length of elapsed time during the daytime

2015: 92.21% received information within 1 hour 45 minutes
2016: 95.10% received information within 1 hour 45 minutes
2017: 95.05% received information within 1 hour 45 minutes
2018: 90.09% received information within 1 hour 30 minutes
2019: **93.80%** received information within 1 hour 30 minutes

6. Placement of guard ships during the peak season when entering Bisan-seto traffic route
(for large vessels except for those regulated in Maritime Traffic Safety Act)

West bound vessel: **147** vessels

<2018: 162 vessels, 2017: 123 vessels, 2016: 109 vessels, 2015: 121 vessels>

East bound vessel: **75**vessels

<2018: 63 vessels, 2017: 61 vessels, 2016: 72 vessels, 2015: 109 vessels>

Total: **222** vessels

< 2018: 225 vessels, 2017: 184 vessels, 2016: 181 vessels, 2015: 230 vessels>

(*Above data excludes those that have cancelled departure and anchored off - Shodoshima.)

7. Arrangement of escort boat prepared during fishing operation in the night-time.

(1) Required days and places

20th April until 31st August around Bisan-seto No.7 light buoys for vessels entering/departing
from Mizushima port

(2) Number of escort boat

West bound vessel: **76** vessels

<2018: 87 vessels, 2017: 88 vessels, 2016: 73 vessels, 2015: 77 vessels>

East bound vessel: **92** vessels

<2018: 99 vessels, 2017: 113 vessels, 2016: 85 vessels, 2015: 112 vessels>

Total: **168** ships

<2018: 186 vessels, 2017: 201 vessels, 2016: 158 vessels, 2015: 189 vessels>

List of vessels that adjusted navigation due to stownet-fishing

| | Date | Vessel | LOA | G/T | Draft | Pilotage district | Estimated time of entering traffic lane | Remarks | | |
|----|----------|--------|--------|---------|-------|------------------------------|---|-------------------------------------|---|--|
| 1 | 10th Feb | | 245.00 | 64,642 | 8.23 | Fukuyama - Wada | 09:00 | Anchored off - Misaki | Anchored up to proceed to Wada at 15:10 on 10th | Bisan-seto South lane navigable water width 200m |
| 2 | 17th Feb | | 226.10 | 45,842 | 8.10 | Mizushima - Wada | 11:30 | Adjusted time of departure | Headed to Wada at 11:30 on 18th | Bisan-seto East lane navigable water width 250m |
| 3 | 18th Feb | | 199.99 | 38,203 | 10.84 | Wada - Mizushima | 11:40 | Anchored off - Okado | Proceeded to traffic lane to Mizushima at 08:15 on 19th | Bisan-seto East lane navigable water width 0m |
| 4 | 18th Feb | | 189.99 | 31,872 | 11.70 | Wada - Hibi | 11:50 | Anchored off - Okado | Proceeded to traffic lane to Hibi at 05:15 on 19th | Bisan-seto East lane navigable water width 0m |
| 5 | 18th Feb | | 225.16 | 47,342 | 9.30 | Wada - Sakaide | 12:20 | Anchored off - Okado | Proceeded to traffic lane to Sakaide at 08:25 on 19th | Bisan-seto East lane navigable water width 0m |
| 6 | 18th Feb | | 226.10 | 45,842 | 8.10 | Mizushima - Wada | 12:10 | Adjusted time of departure | Headed to Wada at 12:35 on 19th | Bisan-seto East lane navigable water width 200m |
| 7 | 19th Feb | | 333.00 | 159,939 | 10.91 | Mizushima - Wada | 13:30 | Adjusted time of departure | Headed to Wada at 13:35 on 20th | Bisan-seto East lane navigable water width 180m |
| 8 | 19th Feb | | 226.10 | 45,842 | 8.10 | Mizushima - Wada | 13:15 | Adjusted time of departure | Headed to Wada at 13:25 on 20th | Bisan-seto East lane navigable water width 180m |
| 9 | 19th Feb | | 255.22 | 58,107 | 8.28 | Sakaide - Wada | 14:35 | Anchored off - Sakaide | Anchored up to proceed to Wada at 08:45 on 20th | Bisan-seto East lane navigable water width 180m |
| 10 | 20th Feb | | 189.99 | 31,920 | 9.31 | Hesaki - Hibi | 08:40 | Anchored off - Misaki | Anchored up to proceed to Hibi at 15:15 on 20th | Bisan-seto South lane no interval between stownets |
| 11 | 21st Feb | | 225.00 | 41,342 | 7.14 | Mizushima - Wada | 14:40 | Adjusted time of departure | Headed to Wada at 08:15 on 22nd | Bisan-seto East lane navigable water width 190m |
| 12 | 24th Feb | | 246.80 | 58,225 | 10.11 | Mizushima - Wada | 11:25 | Adjusted time of departure | Headed to Wada at 10:05 on 25th | Bisan-seto East lane navigable water width 250m |
| 13 | 25th Feb | | 246.80 | 58,225 | 10.11 | Mizushima - Wada | 10:55 | Adjusted time of departure | Headed to Wada at 11:35 on 26th | Bisan-seto East lane navigable water width 0m |
| 14 | 26th Feb | | 299.92 | 106,817 | 15.55 | Wada - Mizushima | 12:20 | Anchored off - Okado | Proceeded to traffic lane to Mizushima at 13:40 on 27th | Bisan-seto East lane navigable water width 250m |
| 15 | 26th Feb | | 288.00 | 122,361 | 11.17 | Wada - Mizushima | 11:50 | Anchored off - Okado | Proceeded to traffic lane to Mizushima at 12:55 on 27th | Bisan-seto East lane navigable water width 250m |
| 16 | 26th Feb | | 225.12 | 48,022 | 9.20 | Wada - Mizushima | 12:05 | Anchored off - Okado | Proceeded to traffic lane to Mizushima at 13:25 on 27th | Bisan-seto East lane navigable water width 250m |
| 17 | 10th Mar | | 333.00 | 159,909 | 11.15 | Mizushima - Wada | 09:00 | Adjusted time of departure | Headed to Wada at 14:35 on 11th | Bisan-seto East lane navigable water width 150m |
| 18 | 10th Mar | | 333.00 | 160,596 | 10.20 | Mizushima - Wada | 10:00 | Adjusted time of departure | Headed to Wada at 09:25 on 11th | Bisan-seto East lane navigable water width 150m |
| 19 | 12th Mar | | 224.98 | 41,963 | 7.79 | Sakaide - Wada | 15:55 | Anchored off - Sakaide | Anchored up to proceed to Wada at 10:00 on 13th | Bisan-seto East lane navigable water width 200m |
| 20 | 17th Mar | | 399.98 | 217,612 | 10.10 | Off Misaki - Wada | 10:40 | Anchored off - Misaki | Anchored up to proceed to Wada at 10:25 on 18th | Bisan-seto East lane navigable water width 370m |
| 21 | 21st Mar | | 333.00 | 157,961 | 10.30 | Mizushima - Wada | 13:25 | Adjusted time of departure | Headed to Wada at 08:00 on 22nd | Bisan-seto East lane navigable water width 200m |
| 22 | 21st Mar | | 249.94 | 55,281 | 11.92 | Sakaide - Wada | 15:15 | Anchored off - Sakaide | Anchored up to proceed to Wada at 08:30 on 22nd | Bisan-seto East lane navigable water width 200m |
| 23 | 4th Apr | | 249.99 | 65,830 | 12.90 | Wada - Mizushima | 07:20 | Anchored off - Okado | Anchored up to proceed to Mizushima at 07:20 on 5th | Bisan-seto East lane navigable water width 150m |
| 24 | 6th Apr | | 333.00 | 160,231 | 12.80 | Wada - Mizushima | 14:30 | Anchored off - Okado | Anchored up to proceed to Mizushima at 06:15 on 7th | Previous vessel cancelled departure |
| 25 | 6th Apr | | 188.50 | 29,753 | 6.98 | Niihama Off Anchorage - Wada | 12:35 | Anchored off - Misaki | Anchored up to proceed to Wada at 18:30 on 6th | Bisan-seto East lane navigable water width 110m |
| 26 | 6th Apr | | 226.05 | 48,963 | 7.90 | Mizushima - Wada | 14:30 | Adjusted time of departure | Headed to Wada at 07:15 on 7th | Bisan-seto East lane navigable water width 110m |
| 27 | 7th Apr | | 255.22 | 58,107 | 7.41 | Sakaide - Wada | 09:30 | Anchored off - Sakaide | Anchored up to proceed to Wada at 13:30 on 7th | Bisan-seto East lane navigable water width 200m |
| 28 | 7th Apr | | 226.05 | 48,963 | 7.90 | Mizushima - Wada | 07:55 | Adjusted time of departure | Headed to Wada at 13:30 on 7th | Bisan-seto East lane navigable water width 200m |
| 29 | 7th Apr | | 333.00 | 160,231 | 12.80 | Off Okado - Mizushima | 08:15 | Anchored off - Okado | Anchored up to proceed to Mizushima at 12:30 on 7th | Previous vessel cancelled departure |
| 30 | 9th Apr | | 333.00 | 160,231 | 10.00 | Mizushima - Wada | 09:35 | Adjusted time of departure | Headed to Wada at 14:05 on 9th | Bisan-seto East lane navigable water width 200m |
| 31 | 9th Apr | | 228.00 | 42,010 | 12.50 | Wada - Mizushima | 09:30 | Anchored off - Okado | Anchored up to proceed to Mizushima at 13:45 on 9th | Previous vessel cancelled departure |
| 33 | 9th Apr | | 333.00 | 160,231 | 10.00 | Mizushima - Wada | 15:05 | Adjusted time of departure | Headed to Wada at 15:15 on 10th | Bisan-seto East lane navigable water width 0m |
| 32 | 9th Apr | | 228.00 | 42,010 | 12.50 | Off Okado - Mizushima | 14:45 | Anchored off - Okado | Anchored up to proceed to Mizushima at 08:55 on 11th | Previous vessel cancelled departure |
| 34 | 16th Apr | | 183.06 | 29,267 | 8.90 | Mizushima - Wada | 10:55 | Anchored off - Mizushima | Anchored up to proceed to Wada at 16:25 on 16th | Bisan-seto East lane navigable water width 100m |
| 35 | 17th Apr | | 228.99 | 43,008 | 11.90 | Wada - Mizushima | 11:00 | Anchored off - Okado | Anchored up to proceed to Mizushima at 05:00 on 18th | Bisan-seto East lane navigable water width 0m |
| 36 | 17th Apr | | 187.80 | 26,992 | 11.30 | Wada - Mizushima | 13:00 | Anchored off - Okado | Anchored up to proceed to Mizushima at 05:00 on 18th | Bisan-seto East lane navigable water width 0m |
| 39 | 23rd Apr | | 228.99 | 43,008 | 8.59 | Mizushima - Wada | 16:20 | Adjusted time of departure | Headed to Wada at 14:40 on 24th | Bisan-seto East lane navigable water width 190m |
| 37 | 23rd Apr | | 199.99 | 34,578 | 9.22 | Wada - Mizushima | 23:20 | Adjusted time of entry | Anchored up to proceed to Mizushima at 10:00 on 24th | Previous vessel cancelled departure |
| 38 | 23rd Apr | | 180.00 | 24,205 | 5.50 | Fukuyama - Wada | 14:00 | Anchored off - Misaki | Headed to Wada at 17:55 on 23rd | Bisan-seto East lane navigable water width 190m |
| 41 | 4th May | | 333.00 | 159,963 | 10.20 | Mizushima - Wada | 12:30 | Adjusted time of departure | Headed to Wada at 12:05 on 5th | Bisan-seto East lane navigable water width 0m |
| 40 | 4th May | | 225.13 | 47,347 | 11.35 | Wada - Mizushima | 12:00 | Anchored off - Okado | Anchored up to proceed to Mizushima at 10:15 on 5th | Previous vessel cancelled departure |
| 42 | 4th May | | 225.27 | 47,173 | 8.10 | Sakaide - Wada | 08:25 | Anchored off - Sakaide | Anchored up to proceed to Wada at 06:45 on 5th | Bisan-seto East lane navigable water width 200m |
| 43 | 19th Jun | | 255.22 | 58,107 | 8.55 | Sakaide - Wada | 09:25 | Anchored off - Sakaide | Anchored up to proceed to Wada at 13:00 on 19th | Bisan-seto East lane navigable water width 0m |
| 44 | 19th Jun | | 255.22 | 58,107 | 8.55 | Sakaide - Wada | 13:25 | Anchored off - Sakaide | Anchored up to proceed to Wada at 09:35 on 20th | Bisan-seto East lane navigable water width 150m |
| 45 | 19th Jun | | 199.94 | 29,317 | 8.90 | Hiroshima - Kakogawa | 22:40 | Adjusted time of entry - off Misaki | Headed to Kakogawa at 02:00 on 20th | Bisan-seto East lane navigable water width 0m |
| 46 | 20th Jun | | 199.95 | 35,794 | 8.80 | Mizushima - Wada | 20:30 | Adjusted time of departure | Headed to Wada at 04:00 on 21st | Bisan-seto East lane navigable water width 0m |
| 47 | 21st Jun | | 229.00 | 46,982 | 7.90 | Sakaide - Wada | 09:25 | Anchored off - Sakaide | Anchored up to proceed to Wada at 14:00 on 21st | Bisan-seto East lane navigable water width 0m |
| 48 | 21st Jun | | 333.00 | 159,943 | 10.50 | Mizushima - Wada | 09:40 | Adjusted time of departure | Headed to Wada at 09:15 on 22nd | Bisan-seto East lane navigable water width 0m |
| 49 | 22nd Jun | | 333.00 | 159,943 | 10.50 | Mizushima - Wada | 09:15 | Adjusted time of departure | Headed to Wada at 09:45 on 23rd | Bisan-seto East lane navigable water width 100m |
| 50 | 22nd Jun | | 246.80 | 66,082 | 14.60 | Wada - Mizushima | 9:20 | Anchored off - Okado | Anchored up to proceed to Mizushima at 07:10 on 26th | Previous vessel cancelled departure |
| 51 | 28th Jun | | 246.80 | 66,082 | 8.50 | Mizushima - Wada | 09:25 | Adjusted time of departure | Headed to Wada at 14:10 on 28th | Bisan-seto East lane navigable water width 200m |

List of vessels that adjusted navigation due to stownet-fishing

| | Date | Vessel | LOA | G/T | Draft | Pilotage district | Estimated time of entering traffic lane | Remarks | | |
|----|----------|--------|--------|---------|-------|----------------------------|---|----------------------------|--|---|
| 52 | 28th Jun | | 229.90 | 47,236 | 7.80 | Sakaide - Wada | 14:40 | Anchored off - Sakaide | Headed to Wada at 10:35 on 29th | Bisan-seto East lane no interval between stownets |
| 53 | 28th Jun | | 179.99 | 29,516 | 8.30 | Mizushima - Wada | 17:10 | Adjusted time of departure | Headed to Wada at 19:05 on 28th | Bisan-seto East lane no interval between stownets |
| 54 | 2nd Jul | | 224.98 | 41,963 | 7.90 | Sakaide - Wada | 07:55 | Anchored off - Sakaide | Anchored up to proceed to Wada at 11:10 on 2nd | Bisan-seto East lane navigable water width 180m |
| 55 | 2nd Jul | | 199.98 | 35,832 | 6.60 | Mizushima - Wada | 19:20 | Adjusted time of departure | Headed to Wada at 07:35 on 3rd | Bisan-seto East lane navigable water width 100m |
| 56 | 3rd Jul | | 199.98 | 35,832 | 6.60 | Mizushima - Wada | 08:05 | Adjusted time of departure | Headed to Wada at 11:55 on 3rd | Bisan-seto East lane navigable water width 100m |
| 57 | 13th Jul | | 224.94 | 39,737 | 8.14 | Sakaide - Wada | 16:25 | Anchored off - Sakaide | Anchored up to proceed to Wada at 09:30 on 14th | Bisan-seto East lane navigable water width 150m |
| 58 | 13th Jul | | 169.37 | 17,027 | 6.23 | Sakaide - Wada | 19:15 | Adjusted time of departure | Headed to Wada at 18:45 on 14th | Bisan-seto East lane navigable water width 150m |
| 59 | 16th Jul | | 199.98 | 36,882 | 8.00 | Mizushima - Wada | 18:30 | Adjusted time of departure | Headed to Wada at 19:40 on 16th | Bisan-seto East lane navigable water width 190m |
| 60 | 16th Jul | | 179.97 | 21,520 | 5.20 | Mizushima - Wada | 07:15 | Anchored off - Mizushima | Anchored up to proceed to Wada at 18:15 on 16th | Bisan-seto East lane navigable water width 0m |
| 61 | 16th Jul | | 169.37 | 17,019 | 7.00 | Tsuneishi Anchorage - Wada | 13:00 | Anchored off - Misaki | Anchored up to proceed to Wada at 17:00 on 16th | Bisan-seto East lane navigable water width 0m |
| 62 | 16th Jul | | 339.50 | 159,632 | 11.15 | Mizushima - Wada | 12:05 | Adjusted time of departure | Headed to Wada at 06:55 on 17th | Bisan-seto East lane navigable water width 0m |
| 63 | 16th Jul | | 225.13 | 48,060 | 11.70 | Wada - Mizushima | 11:30 | Anchored off - Okado | Anchored up to proceed to Mizushima at 05:30 on 17th | Previous vessel cancelled departure |
| 64 | 18th Jul | | 199.90 | 36,008 | 8.50 | Wada - Niihama | 7:15 | Anchored off - Okado | Anchored up to proceed to Niihama at 11:30 on 18th | Bisan-seto East lane navigable water width 0m |