1. **Test Dataset: 101AA00DS0013 – Dataset 013 (20221104 FINAL)**

|  |  |  |
| --- | --- | --- |
| **Ref** | **Feature** | **Page** |
| 13.1 | Danger line limiting an area of wrecks or obstructions (….See 13.5 and 13.6) | 2 |
| 13.2 | Danger line bordering an area through which navigation is not safe (......See 13.6) | 2 |
| 13.3 | Doubtful dangers (.....See 13.5 and 13.6) | 2 |
| 13.4 | Rocks (intertidal/awash/submerged) (7) | 3 |
| 13.5 | Wrecks (8) | 4 - 5 |
| 13.6 | Obstructions (24) |  |
| 13.7 | Foul ground (6) |  |
| 13.8 | Discoloured water (2) |  |
| 13.9 | Fishing facility (6) |  |
| 13.10 | Marine farm/culture (6) |  |

(**59** feature instances)

Dataset Specifications

See document located in github [S-101-Test-Datasets/S-101 Test Dataset Specification 20220725 1.0 FINAL.docx at main · iho-ohi/S-101-Test-Datasets (github.com)](https://github.com/iho-ohi/S-101-Test-Datasets/blob/main/dev/docs/S-101%20Test%20Dataset%20Specification%2020220725%201.0%20FINAL.docx)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.1 | | |  |
| **Description** | | Danger line limiting an area of wrecks or obstructions | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | Informational -> See 13.5 and 13.6 | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.2 | | |  |
| **Description** | | Danger line bordering an area through which navigation is not safe | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | Informational -> See 13.6 | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.3 | | |  |
| **Description** | | Doubtful dangers | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | Informational -> See 13.5 and 13.6 | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.4 | | |  |
| **Description** | | Underwater/Awash Rock (point) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Underwater/Awash Rock (point) 2. value of sounding = “7.2” 3. water level effect = 3: always under water/ submerged 4. Underwater/Awash Rock (point) 5. value of sounding = “1.3” 6. water level effect = 4: covers and uncovers 7. Underwater/Awash Rock (point)   a. value of sounding = “0.2”  b. water level effect = 5: awash   1. Underwater/Awash Rock (point)    1. Exposition of sounding = 2 (Shoaler than the range of depth of surrounding depth area)    2. Water level effect = 3 (always under water/submerged) 2. Underwater/Awash Rock (point)    1. Exposition of sounding = 2 (Shoaler than the range of depth of surrounding depth area)    2. Water level effect = 4 (covers/uncovers)    3. Value of sounding = -1.1 3. Underwater/Awash Rock (point) 4. value of sounding = “1.3” 5. nature of surface = 14 (Coral) 6. water level effect = 4: covers and uncovers 7. Underwater/Awash Rock (point) 8. value of sounding = “7.2” 9. status = 18 (existence doubtful) 10. water level effect = 3: always under water/ submerged | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.5 | | |  |
| **Description** | | Wreck (point; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Restricted Area Regulatory (surface) 2. restriction = 1: anchoring prohibited 3. information: 4. text = ”no vessels of any class permitted to anchor in this area” 5. language [*equivalent national wording*] 6. Wreck (Point)    1. Status = 13 (historic)    2. Category of wreck = 2 (dangerous wreck)    3. Water level effect = 3 (always underwater / submerged)    4. Quality of vertical measurement = 1 (depth known)    5. Value of sounding = 15 7. Restricted Area Regulatory (surface) 8. restriction = 1: anchoring restricted 9. information: 10. text = ”anchoring permitted solely for Neptune Navy vessels” 11. Wreck (Surface)     1. Status = 13 (historic)     2. Category of wreck = 1 (non-dangerous wreck)     3. Water level effect = 3 (always underwater / submerged)     4. Quality of vertical measurement = 1 (depth known)     5. Value of sounding = 45 12. Wreck (point)     1. Category of wreck = 4 (wreck showing mast/masts)     2. Water level effect = 1 (partially submerged)     3. Quality of vertical measurement = 7 (least depth unknown, safe clearance at value shown)     4. Value of sounding = 3.5 13. Wreck (point)     1. Category of wreck = 5 (wreck showing any portion of hull or superstructure)     2. Water level effect = 2 (always dry) 14. Wreck (Point)     1. Category of wreck = 2 (dangerous wreck)     2. Exposition of sounding = 2 (shoaler than range of depth area)     3. Water level effect = 3 (always underwater/submerged)     4. Quality of vertical measurement = 1 (depth known)     5. Value of sounding = 3.5 15. Wreck (point)     1. Category of wreck = 1 (non-dangerous wreck)     2. Exposition of sounding = 3 (deeper than range of depth area)     3. Water level effect = 3 (always underwater/submerged)     4. Quality of vertical measurement = 1 (depth known)     5. Value of sounding = 55 16. Wreck (surface)     1. Category of wreck = 2 (dangerous wreck)     2. Water level effect = 3 (always underwater/submerged)     3. Quality of vertical measurement = 2 (depth unknown) 17. Wreck (surface)     1. Category of wreck = 1 (non-dangerous wreck)     2. Exposition of sounding = 1 (within range of depth area)     3. Water level effect = 3 (always underwater/submerged)     4. Quality of vertical measurement = 2 (depth known)     5. Value of sounding = 48 | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.6 | | |  |
| **Description** | | Obstruction (point; curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Obstruction (point)    1. Quality of vertical measurement = 1 (depth known)    2. Water level effect = 4 (covers/uncovers)    3. Value of sounding = 3.9 2. Obstruction (point)    1. Quality of vertical measurement = 1 (depth known)    2. Water level effect = 3 (always submerged)    3. Value of sounding = 4.7    4. Exposition of sounding = 2 (shoaler than depth area) 3. Obstruction (point)    1. Quality of vertical measurement = 1 (depth known)    2. Water level effect = 3 (always submerged)    3. Value of sounding = 5.8 4. Obstruction (point)    1. Quality of vertical measurement = 1 (depth known)    2. Water level effect = 3 (always submerged)    3. Value of sounding = 27.0 5. Obstruction (point)    1. Category of obstruction = 1 (snag/stump)    2. Quality of vertical measurement = 2 (depth unknown) 6. Obstruction (point)    1. Category of obstruction = (snag/stump)    2. Quality of vertical measurement = 2 (depth unknown) 7. Obstruction (point)    1. Category of obstruction = 1 (snag/stump)    2. Condition = 2 (ruined)    3. Quality of vertical measurement = 2 (depth unknown) 8. Obstruction (point)    1. Category of obstruction = 1 (snag/stump)    2. Quality of vertical measurement = 2 (depth unknown)    3. Water level effect = 3 (always submerged) 9. Obstruction (point)    1. Category of obstruction = 21 (active submerged volcano)    2. Quality of vertical measurement = 7 (least depth unknown, safe clearance shown)    3. Water level effect = 3 (always submerged)    4. Value of sounding = 212 10. Obstruction (point)     1. Category of obstruction = 4 (crib)     2. Water level effect = 3 (always submerged)     3. Quality of vertical measurement = 2 (depth unknown) 11. Obstruction (point)     1. Category of obstruction = 4 (crib)     2. Water level effect = 3 (always submerged)     3. Quality of vertical measurement = 1 (depth known)     4. Value of sounding = 7.2 12. Obstruction (point)     1. Category of obstruction = 4 (crib)     2. Water level effect = 2 (always dry) 13. Obstruction (point)     1. Category of obstruction = 5 (fish haven)     2. Water level effect = 3 (always submerged) 14. Obstruction (point)     1. Quality of vertical measurement = 1 (depth known)     2. Nature of surface = 14 (coral)     3. Water level effect = 4 (covers/uncovers)     4. Value of sounding = 3.9 15. Obstruction (point)     1. Quality of vertical measurement = 2 (depth unknown)     2. Category of obstruction = 23 (Mangrove)     3. Water level effect = 1 (partially submerged at high water) 16. Obstruction (curve)     1. Quality of vertical measurement = 2 (depth unknown)     2. Water level effect = 3 (always submerged) 17. Obstruction (curve)     1. Quality of vertical measurement = 2 (depth unknown)     2. Water level effect = 4 (covers/uncovers) 18. Obstruction (curve)     1. Quality of vertical measurement = 1 (depth known)     2. Water level effect = 3 (always submerged)     3. Value of sounding = 5.5 19. Obstruction (curve)     1. Quality of vertical measurement = 1 (depth known)     2. Water level effect = 3 (always submerged)     3. Technique of vertical assessment = 6 (swept by wire-drag)     4. Exposition of sounding = 2 (shoaler than depth range)     5. Value of sounding = 5.5 20. Obstruction (Surface)     1. Quality of vertical measurement = 2 (depth unknown)     2. Category of obstruction = 23 (Mangrove)     3. Water level effect = 1 (partially submerged at high water)     4. Height = 12     5. Spatial Quality (see 24.5)        1. Quality of horizontal measurement = 4 (approximate) 21. Obstruction (surface)     1. Quality of vertical measurement = 1 (depth known)     2. Water level effect = 3 (always submerged)     3. Technique of vertical assessment = 6 (swept by wire-drag)     4. Exposition of sounding = 2 (shoaler than depth range)     5. Value of sounding = 3.2 22. Obstruction (surface)     1. Quality of vertical measurement = 2 (depth unknown)     2. Water level effect = 3 (always submerged) 23. Obstruction (surface)     1. Quality of vertical measurement = 2 (depth unknown)     2. Water level effect = 4 (covers/uncovers) 24. Obstruction (surface)     1. Quality of vertical measurement = 1 (depth known)     2. Nature of surface = 14 (coral)     3. Water level effect = 4 (covers/uncovers)     4. Value of sounding = 2.9 | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.7 | | |  |
| **Description** | | Foul ground (point; curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Foul ground (Point)    1. Quality of vertical measurement = 6 (least depth known)    2. Technique of vertical measurement = 6 (swept by wire-drag)    3. Value of sounding = 7.2 2. Foul ground (curve)    1. Quality of vertical measurement = 1 (depth known)    2. Technique of vertical measurement = 6 (swept by wire-drag)    3. Value of sounding = 8.1 3. Foul ground (Surface)    1. Quality of vertical measurement = 6 (least depth known)    2. Value of Sounding = 9.4 4. Foul ground (Point)    1. Quality of vertical measurement = 7 (least depth unknown, safe clearance at value shown)    2. Technique of vertical measurement = 1 (found by echo-sounder)    3. Value of sounding = 4.5 5. Foul ground (Curve)    1. Quality of vertical measurement = 2 (depth or least depth unknown)    2. Technique of vertical measurement = 4 (found by diver) 6. Foul ground (Surface)    1. Quality of vertical measurement = 2 (depth or least depth unknown)    2. Status = 13 (historic) | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.8 | | |  |
| **Description** | | Discoloured Water (point; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Discoloured Water (point)  a. reported date = ”09/06/2021”  1A. Depth Area (surface)   * 1. depth range maximum value = 5.0   2. depth range minimum value = 2.0   2. Discoloured Water (surface)  a. reported date = ”09/08/2021”  2A. Unsurveyed Area (Surface) | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.9 | | |  |
| **Description** | | Fishing Facility (point; curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | 1. Fishing Facility (point) 2. category of fishing facility = 1: fishing stake 3. Fishing Facility (point)    1. category of fishing facility = 1: fishing stake    2. information:       1. text = “30 stakes in a circle.”    3. status = 8: private 4. Fishing Facility (curve) 5. category of fishing facility = 3: fish weir 6. Fishing Facility (curve) 7. category of fishing facility = 2: fish trap 8. status = 8: private 9. Fishing Facility (surface) 10. category of fishing facility = 4: tunny net 11. periodic date range:     * 1. date end = “--09--”       2. date start = “--06--” 12. Status = 5: periodic/intermittent; 28: buoyed   *5A) Aids to Navigation Association – 4 special purpose buoys, captured in a ”square” around the fishing facility (assuming IALA A):*   * + 1. Buoy Special Purpose/General **x 4**  1. buoy shape = 3: spherical 2. category of special purpose mark = 55: marine farm mark 3. colour = 6: yellow 4. Fishing Facility (surface) - *captured within a surrounding obstruction area (as per 13.9.1, Remarks, 2nd bullet), within a 20 to 50m depth area:* 5. category of fishing facility = 4: tunny net 6. status = 1: permanent   6A)obstruction area (surface):   1. feature name: 2. name = “Shark Bight Fishing Facility” 3. status = 1: permanent 4. value of sounding = 26.7 | |
| **Screen Capture** | |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Scenario** | 13.10 | | |  |
| **Description** | | Marine Farm/Culture (point; curve; surface) | | |
| **Location** | | | **Description** | |
| 32°20'25.03"S 60°54'41.85"E | | | * 1. Marine Farm/Culture (point) – *captured within a 10 to 20 depth area*  1. category of marine farm/culture = 1: crustaceans 2. exposition of sounding = 2: shoaler than the range of depth of the surrounding depth area 3. quality of vertical measurement = 6: least depth known 4. value of sounding = 6.6 5. water level effect = 3: always under water/submerged    1. Marine Farm/Culture (point) – *captured within a 0 to 10m depth area* 6. category of marine farm/culture = 2: edible bivalve molluscs   b. value of sounding = 0.3  c. water level effect = 5: awash   * 1. Marine Farm/Culture (curve) – *captured within a 0 to 10m depth area*  1. category of marine farm/culture = 4: seaweed 2. information: 3. text = “Approximately 50 posts, very close together. Unlit”   c. value of sounding = 1.6  d. water level effect = 4: covers and uncovers   * 1. Marine Farm/Culture (curve) – *captured within a 0 to 10m depth area*  1. category of marine farm/culture = 5: pearl culture farm 2. height = 1.2   c. water level effect = 1: partly submerged at high water   * 1. Mariner Farm/Culture (surface) – *captured within a 0 to 10m depth area*   a. category of marine farm/culture = 2: edible bivalve molluscs  b. height = 2.4  c. water level effect = 2: always dry   * 1. Marine Farm/Culture (surface)  1. category of marine farm/culture = 3: fish 2. height = “null”   c. value of sounding = ”null”  d. water level effect = 7: floating | |
| **Screen Capture** | |  | | |