# **Test Dataset: 101AA00DS0010 – Dataset 010 (FINAL 20220701)**

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( 25 feature instances)

## General Guidelines

1. The dataset shall cover the extent specified in the test dataset scheme.
2. Cells should have a minimum display scale of 22000 and a maximum display scale of 90000
3. Features should be captured to allow some room for additional features in the dataset in future.
4. Although features should be captured in a logical combination in terms of geometry they do not need to reflect real world features so an approach similar to that used in S-64 dataset GB4X0001 is expected.
5. Single overall DEPARE 20m shall be included and other features added as required so that a consistent scheme exists.
6. Producer Agency code AA00 shall be used with the numerical value 1810.
7. All mandatory S-101 features shall be present in the dataset and all mandatory attributes shall be populated.
   1. Data Coverage
   2. Quality of Bathymetric data (areas containing depth information and at maximum display scale 1:700000 and larger)
   3. Navigational System of Marks
8. The dataset shall conform to S-101 Feature Catalogue 1.0.2 20220419 and DCEG 1.0.2.
9. Screenshots in the below documentation should be created using the latest available version of the NIWC viewer.

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| **Reference** | 10.2 | | |  |
| **Description** | | Tidal Stream – Flood/Ebb | | |
| **Location** | | | **Description** | |
| 32° 26.6664' S 61° 42.4206' E | | | 1. Tidal Stream – Flood/Ebb (Point)    1. Category of tidal stream = 1 (Flood stream)    2. Display name = ”Tidal Stream – Flood”    3. Orientation Value = 90.0    4. Speed Maximum = 4.5 2. Tidal Stream – Flood/Ebb (Point)    1. Category of tidal stream = 1 (Flood stream)    2. Display name = ”Tidal Stream – Uncertain Direction” 3. Tidal Stream – Flood/Ebb (Point)    1. Category of tidal stream = 2 (Ebb stream)    2. Display name = ”Tidal Stream – Ebb”    3. Orientation Value = 180.0    4. Speed Maximum = 4.5 4. Tidal Stream – Flood/Ebb (Surface)    1. Category of Tidal Stream = 1 (Flood Stream) 5. Tidal Stream – Flood/Ebb (Surface)    1. Category of Tidal Stream = 2 (Ebb Stream) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 10.3 | | |  |
| **Description** | | Current – Non-Gravitational | | |
| **Location** | | | **Description** | |
| 32° 26.6178' S 61° 47.2902' E | | | 1. Current – Non-Gravitational (Point)    1. Display name = “Current non-gravitational”    2. Orientation = “135.0”    3. Speed maximum = 2.5    4. Speed minimum = 1.0 2. Current – Non-Gravitational (Point)    1. Display name = “Current non-gravitational intermittent”    2. Orientation = “135.0”    3. Speed maximum = 2.5    4. Speed minimum = 1.0    5. Status = 5 (intermittent) 3. Current – Non-Gravitational (Point)    1. Display name = “Current non-gravitational uncertain” | |
| **Screen Capture** | |  | | |

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| **Scenario** | 10.4 | | |  |
| **Description** | | Water Turbulence | | |
| **Location** | | | **Description** | |
| 32° 23.2062' S 61° 44.196' E | | | 1. Water Turbulence (point)    1. Display name = “Breakers”    2. Category of water turbulence = 1 (Breakers) 2. Water Turbulence (point)    1. Display name = “Eddies”    2. Category of water turbulence = 2 (Eddies) 3. Water Turbulence (point)    1. Display name = “Overfalls”    2. Category of water turbulence = 3 (Overfalls) 4. Water Turbulence (point)    1. Display name = “Tide Rips”    2. Category of water turbulence = 4 (Tide Rips) 5. Water Turbulence (point)    1. Display name = “Bombora”    2. Category of water turbulence = 5 (Bombora) 6. Water Turbulence (curve)    1. Display name = “Breakers”    2. Category of water turbulence = 1 (Breakers) 7. Water Turbulence (curve)    1. Display name = “Eddies”    2. Category of water turbulence = 2 (Eddies) 8. Water Turbulence (curve)    1. Display name = “Overfalls”    2. Category of water turbulence = 3 (Overfalls) 9. Water Turbulence (curve)    1. Display name = “Tide Rips”    2. Category of water turbulence = 4 (Tide Rips) 10. Water Turbulence (curve)     1. Display name = “Bombora”     2. Category of water turbulence = 5 (Bombora) 11. Water Turbulence (area)     1. Display name = “Breakers”     2. Category of water turbulence = 1 (Breakers) 12. Water Turbulence (area)     1. Display name = “Eddies”     2. Category of water turbulence = 2 (Eddies) 13. Water Turbulence (area)     1. Display name = “Overfalls”     2. Category of water turbulence = 3 (Overfalls) 14. Water Turbulence (area)     1. Display name = “Tide Rips”     2. Category of water turbulence = 4 (Tide Rips) 15. Water Turbulence (area)     1. Display name = “Bombora”     2. Category of water turbulence = 5 (Bombora) | |
| **Screen Capture** | |  | | |

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| **Scenario** | 10.5 | | |  |
| **Description** | | Tidal Stream Panel Data | | |
| **Location** | | | **Description** | |
| 32° 19.9038' S 61° 41.7624' E | | | 1. Tidal Stream Panel Data (Point)    1. Display name = “Tidal Stream Panel Data – Point”)    2. Station name = “Plymouth (Devonport)”    3. Station number = 0014    4. Reference tide = high water    5. Reference tide type = springs    6. Tidal stream value       1. Orientation value = 113       2. Speed maximum = 0.1       3. Time relative to tide = -6    7. Tidal stream value       1. Orientation value = 332       2. Speed maximum = 0.6       3. Time relative to tide = -5    8. Tidal stream value       1. Orientation value = 331       2. Speed maximum = 1.1       3. Time relative to tide = -4    9. Tidal stream value       1. Orientation value = 342       2. Speed maximum = 1.0       3. Time relative to tide = -3    10. Tidal stream value        1. Orientation value = 347        2. Speed maximum = 0.7        3. Time relative to tide = -2    11. Tidal stream value        1. Orientation value = 333        2. Speed maximum = 0.5        3. Time relative to tide = -1 2. Tidal Stream Panel Data (Area)    1. Display name = “Tidal Stream Panel Data – Area”)    2. Station name = “Plymouth (Devonport)”    3. Station number = 0014    4. Reference tide = high water    5. Reference tide type = springs    6. Tidal stream value       1. Orientation value = 113       2. Speed maximum = 0.1       3. Time relative to tide = -6    7. Tidal stream value       1. Orientation value = 332       2. Speed maximum = 0.6       3. Time relative to tide = -5    8. Tidal stream value       1. Orientation value = 331       2. Speed maximum = 1.1       3. Time relative to tide = -4    9. Tidal stream value       1. Orientation value = 342       2. Speed maximum = 1.0       3. Time relative to tide = -3    10. Tidal stream value        1. Orientation value = 347        2. Speed maximum = 0.7        3. Time relative to tide = -2    11. Tidal stream value        1. Orientation value = 333        2. Speed maximum = 0.5        3. Time relative to tide = -1 | |
| **Screen Capture** | |  | | |