



UK Hydrographic
Office

Admiralty Digital Sailing Directions: Consideration of S100

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Background:

- User research continues to confirm that our users want narrative text in their planning products
- Narrative context is valued as it simplifies interpretation of data
- Completely vectorised Publications are not wanted as that information exists elsewhere
- Vector data will enhance the text not replace it
- Many Navigating officers already feel ECDIS is already overloaded with data.



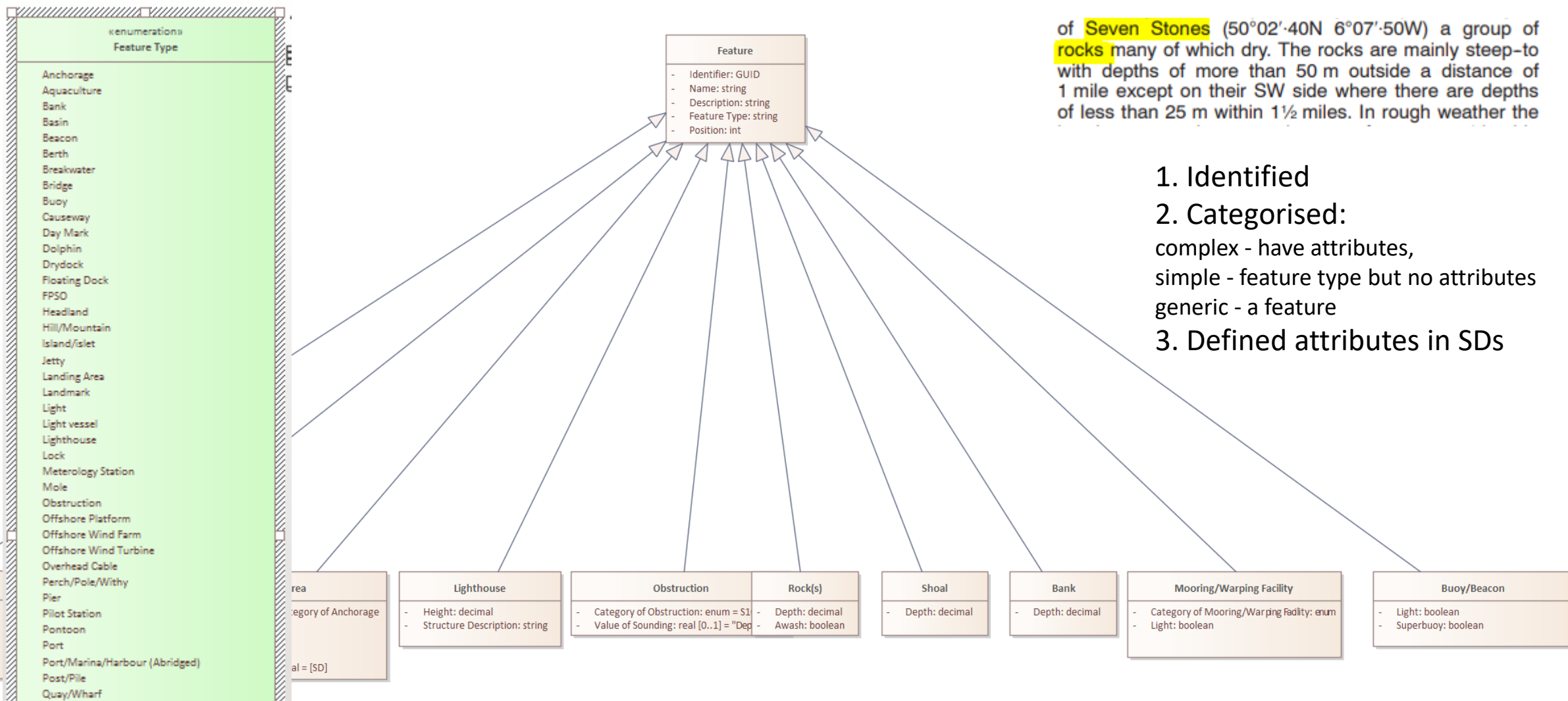
Consideration of S100 in the Feature Model

Identifying Features in Sailing Directions

ridge, and.
2 Clear of **The Pol Bank** (49°49'48N 6°28'21W).
In rough weather there are overfalls over the bank which make it dangerous to open boats. Thence, from a position S of Bishop Ridge, the passage leads E, passing:
S of a 10 m **shoal** (49°51'79N 6°25'28W) lying 2 cables WSW of Isaacs Ledge, thence:

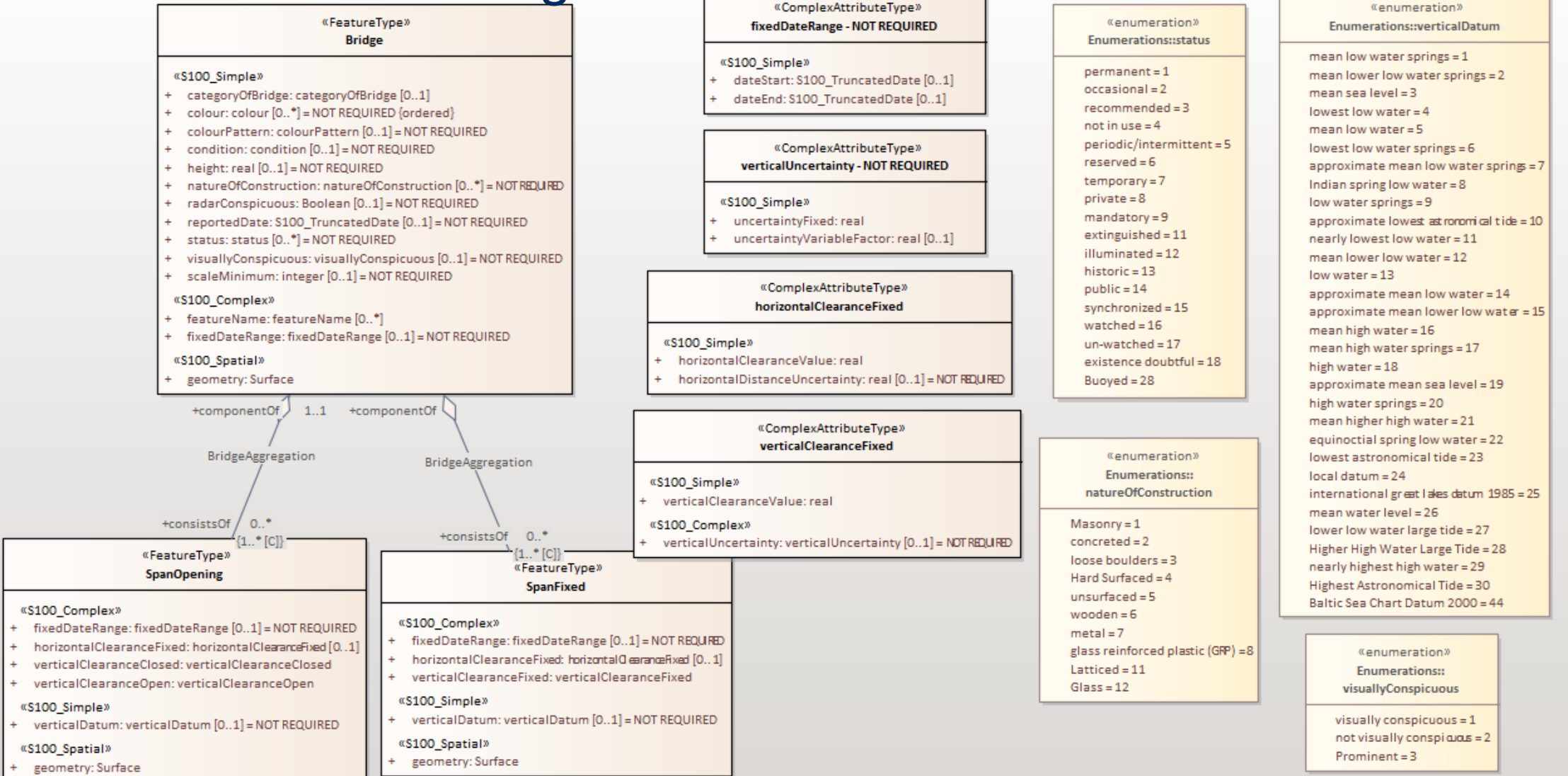
of **Seven Stones** (50°02'40N 6°07'50W) a group of **rocks** many of which dry. The rocks are mainly steep-to with depths of more than 50 m outside a distance of 1 mile except on their SW side where there are depths of less than 25 m within 1½ miles. In rough weather the

1. Identified
2. Categorised:
complex - have attributes,
simple - feature type but no attributes
generic - a feature
3. Defined attributes in SDs





S-100 Standard - Bridge

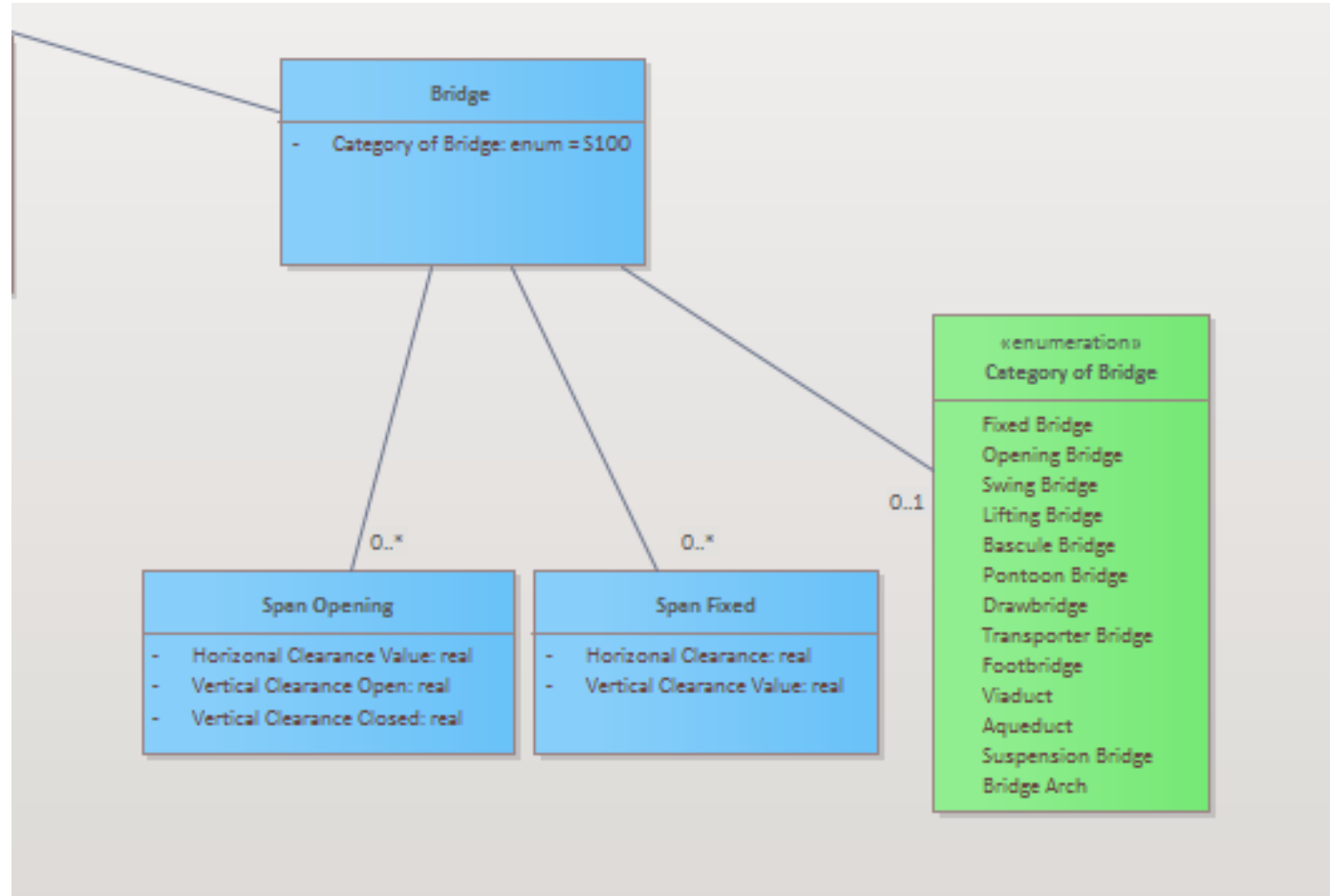


Vertical clearances

4.143

1 **Bridges.** Minimum vertical clearances under Royal Albert **Bridge** and Tamar **Bridge**, at the N end of Hamoaze at Saltash (50°24'41N 4°12'37W), are 30 m and 35 m, respectively.

Simplified Bridge Feature based on S-100





Features and Attributes

- › Features are only stored once but referenced many times.
- › Flexible and Evolving Schema
 - attributes can be added to existing features
 - new features and attributes created
- › Feature attributes support SDs requirements and easy to maintain
- › Aligning with S100 where appropriate
- › Supporting future exchange of data in S100 format as standards/specifications mature



Next Steps



Next Steps

- › Looking to include crowd source imagery - a feature users value.
- › <https://www.admiralty.co.uk/publications/admiralty-sailing-directions/image-upload>
- › Planning a Sea Trial in March 2024 with basic functionality to confirm we are meeting user enabling the task of berth to berth passage planning .
- › Development will continue to be iterative based on feedback to ensure we are meeting the
- › Potential live demo/video



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Any Questions?