



Data Quality Decision Tree

→ true
→ false



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STEP	QUESTION / RESULT	YES	NO
1	Is data assessment = unassessed?	GO TO 2	GO TO 3
2	QUALITY OF BATHYMETRIC DATA = UNASSESSED	<i>CATZOC = U</i>	
3	Is data assessment = Oceanic?	GO TO 4	GO TO 5
4	QUALITY OF BATHYMETRIC DATA = OCEANIC		
5	Is category of temporal variation "Unlikely to change"?	GO TO 6	GO TO 10
6	Full area search undertaken, significant seafloor features detected, depths measured?	GO TO 7	GO TO 15
7	Is vertical uncertainty $< 0.5\text{m} + 1\%$ of depth?	GO TO 8	GO TO 12
8	Is horizontal position uncertainty $< 5\text{m} + 5\%$ of depth?	GO TO 9	GO TO 13
9	QUALITY OF BATHYMETRIC DATA = 1	<i>CATZOC = A1</i>	
10	Is category of temporal variation = likely to change but significant shoaling unexpected?	GO TO 11	GO TO 19
11	Full area search undertaken, significant seafloor features detected, depths measured?	GO TO 12	GO TO 15
12	Is vertical uncertainty $< 1.0\text{m} + 2\%$ of depth?	GO TO 13	GO TO 21
13	Is horizontal position uncertainty $< 20\text{m}$?	GO TO 14	GO TO 17
14	QUALITY OF BATHYMETRIC DATA = 2	<i>CATZOC = A2</i>	

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STEP	QUESTION / RESULT	YES	NO
15	Full area search not achieved, uncharted features hazardous to surface navigation are not expected but may exist?	GO TO 16	GO TO 20
16	Is vertical uncertainty < 1.0m + 2% of depth?	GO TO 17	GO TO 21
17	Is horizontal position uncertainty < 50m?	GO TO 18	GO TO 22
18	QUALITY OF BATHYMETRIC DATA = 3	<i>CATZOC = B</i>	
19	Is category of temporal variation = likely to change and significant shoaling expected?	GO TO 20	GO TO 24
20	Full area search not achieved, depth anomalies may be expected?	GO TO 21	GO TO 25
21	Is vertical uncertainty < 2.0m + 5% of depth?	GO TO 22	GO TO 26
22	Is horizontal position uncertainty < 500m?	GO TO 23	GO TO 26
23	QUALITY OF BATHYMETRIC DATA = 4	<i>CATZOC = C</i>	
24	Is category of temporal variation = extreme event?	GO TO 26	GO TO 2
25	Full area search not achieved, large depth anomalies may be expected?	GO TO 26	GO TO 2
26	QUALITY OF BATHYMETRIC DATA = 5	<i>CATZOC = D</i>	

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