



Sonar Team Challenge # 1

Use the Nauticos six criteria sonar analysis technique to determine which sonar data image is man-made and which is natural ocean geology. No Guessing. You must support your decision using criteria evidenced observations.



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MAN – MADE or GEOLOGY ?



6 – Step Sonar Analysis Criteria for Identifying Man-Made Targets

1. The target's acoustic reflectivity is much brighter than the surrounding area.	<input checked="" type="checkbox"/>
2. The size of the target is about the right size for the object.	<input type="checkbox"/>
3. The target casts a shadow indicating height above the sea floor.	<input type="checkbox"/>
4. The target is not associated or part of the surrounding geology.	<input type="checkbox"/>
5. The target has a geometric shape.	<input type="checkbox"/>
6. A debris field with multiple objects over a small area might be near the target.	<input type="checkbox"/>

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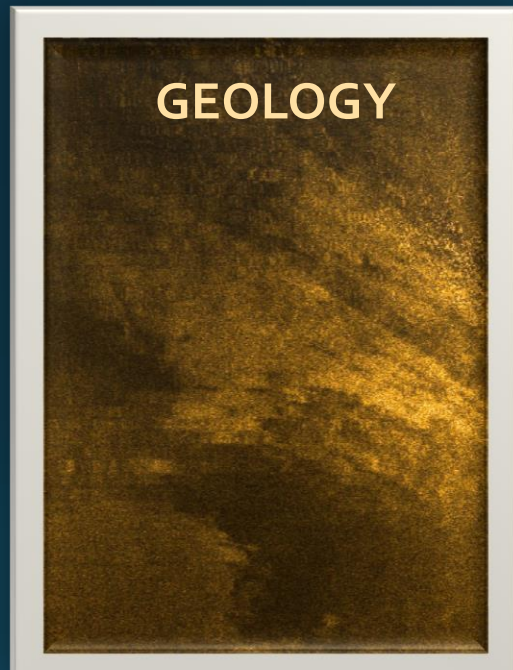


Sonar Team Analysis Interpretations

For Challenge # 1



Jeff Morris



Change in bottom reflectivity. Sand is brighter, mud is darker.



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A debris field with multiple objects over a small area might be near the target. The target has a geometric shape.

Nauticos Expedition Portal

<http://expeditionportal.nauticos.com/education-and-technology/>



Man-Made Object. Acoustically reflective, geometric shapes, casts a shadow, not associated with geology.