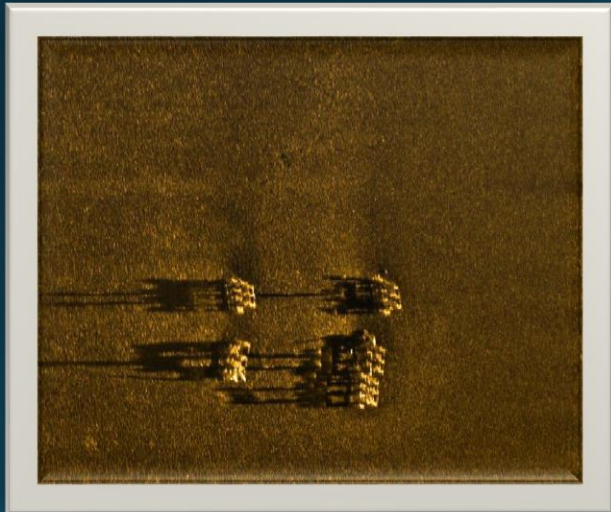




Sonar Team Challenge # 2

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.

MAN – MADE or GEOLOGY ?



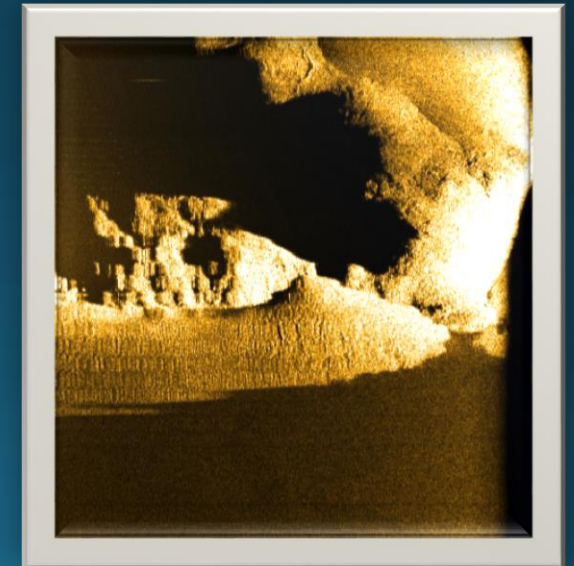
? ? ? ?



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"/>

sallie@mv.nauticos.rf.org



? ? ? ?



Sonar Team Analysis Interpretation


For Challenge # 2



Jeff Morris



4 Man Made Objects. The for objects have geometric shapes, shadows, and are more reflective than the surrounding area.

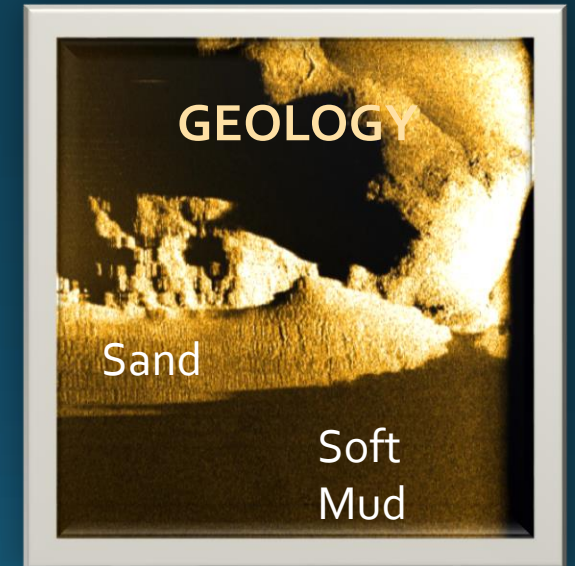
 **6 – Step Sonar Analysis Criteria for Identifying Man-Made Targets**

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"/>



Nauticos Expedition Portal

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



Bumby Hill. Large object that casts shadows, but lacks geometric shapes. Soft edges indicate geology.