

Sub Surface Profiler Version 1.4 Data Analysis

1. DEFAULT IMAGE

Grid settings

- Select orientation: **flip vertically**

Display settings- basic

- Select **distance (M)**
- Select **fit to window**
- Select **1x zoom** (full image)
- Choose a color palette

Display settings- advanced

- Select **default** tab

- **Select apply**

2. DEPTH OF FEATURE

Display settings- advanced

- Select **custom** tab.

Change depth amplification to identify and highlight features at various depths.

Depth amplification:

- **None** = 0 m - 3 m
- **10 dB** = 0 m - 4 m
- **20 dB** = 2 m - 6 m
- **30 dB** = 2 m - 8 m
- **40 dB** = 4 m - 10 m

- **Select apply**

Note: Analyses is depth sensitive. Not all features in the scan data can be represented simultaneously across the scan range from 0 m - 10 m.

3. ACCENTUATE USING INTENSITY

Display settings- basic

Accentuate features using the intensity adjustment tab.

- **Linear:** default
- **Exponential:** accentuate larger features
- **Logarithmic:** accentuate smaller features

- **Select apply**

4. ACCENTUATE USING CLAMPING

Display settings- advanced

Accentuate features using the **clamp [%]** tab.

- The lower percentage eliminates the weakest returns.
- The higher percentage eliminates the strongest returns.

Recommended default:

- **Clamping:** 16% and 96%

Note: Keep on adjusting until features are clearly displayed.

- **Select apply**

5. EXPAND TO FULL VIEW

Display settings- basic

- Deselect **fit to window**

- **Select apply**

Note: Scroll through the whole dataset to view features in ratio with the distance scanned.