

Backscatter SEM Images of Gold Grains from Glacial Sediment

MnDNR Sample CATS-406, Cook Project Area, Northern St. Louis County

"Pristine" 25 µm a 25 µm b





"Reshaped"φφφφφβμββμ

High-resolution images of individual gold grains recovered from a single glacial sediment sample (CATS-406) collected in Northern St. Louis County, Minnesota. These backscatter electron images (adjusted for brightness and contrast) were obtained by Overburden Drilling Management (ODM) using a scanning electron microscope (SEM). Scale bar unit = microns (µm)

- a) Pristine leaf
- b) Pristine crystal
- c) Modified back-folded leaf
- d) Modified blocky grain
- e) Fully reshaped gold grain



Conceptual cross-section of a dispersal train of gold grains, liberated from mineralized bedrock and transported by glacial flow

