Bridging Q’s

**Day 9**

**Goals:** As a result of today’s teaching you should be able to explain that the Earth has been and is in constant change.

**Breakfast: The Earth is constantly changing.**

- How does Keweenaw geological history suggest continual change of the earth system?
- How does a mine dump disturb surface processes?
- How does the mineral content of a mine relate to environmental hazards?

**Mohawk Mine**

- Why did the Mohawk mine operators go to the trouble of carrying all the ore to Gay?
- Why did they have to crush the ore again after carrying it to Gay?
- What were the relative proportions of copper mined and waste rock?

**Gay Sands**

- What was the timing of mining and rock wastes?
- How has the shape of the stamp sand body changed with time?
- Is it still changing?
- What about As in the sands? Is that more dangerous to the environment than other hazards?
- Should this situation be remediated? How?

**Big Traverse Bay**

- Will the movement of stamp sand continue past the Traverse Bay breakwater?
- How does the environmental hazard of stamp sand in an inland lake differ from the big lake?
- How would the Keweenaw be different if there was a high sulfide content of the copper ore?

**Torch Lake**