

**Girl Scouts of Utah
Kennecott Bingham Canyon Mine Tour Patch**

Tours are available from April 1 through October 31. Open 8:00 a.m. to 8:00 p.m., seven days a week. Entrance fees will be waived for all vehicles with Girl Scouts and leaders in uniform. To receive your patch, please complete all requirements. Patches can then be purchased for \$1.50 at the Council Resource Center.

Return the completed forms to:

Girl Scouts of Utah
Kennecott Bingham Canyon Mine Tour Patch
P.O. Box 57280
Salt Lake City, UT 84157-0280

Purpose: To educate Junior Girl Scouts and the public about Kennecott's resource management and development at the Bingham Canyon Mine.

Requirements:

1. Sign the guest registry in the Visitors Center as a family or troop.
2. Tour the Visitors Center, both inside and outside, and watch the 16-minute film in the theater. Locate the following information and answer these questions:
 - A. Name two artifacts on display in front of the Visitors Center.

 - B. What is the height and weight of a haulage truck tire? _____
 - C. Name five minerals found in the Bingham Canyon Mine.

 - D. When did surface mining, which resulted in open-pit mining, begin in Bingham Canyon? _____
 - E. Whose idea was surface mining and what was his profession?

 - F. What are the four basic production steps in copper processing?

 - G. What important safety award did Bingham Canyon Mine employees win?

 - H. List six major environmental programs that are important parts of Kennecott's ongoing operations _____

 - I. What are copper's two main alloys? _____
 - J. How much copper ore is mined at Bingham Canyon every day? _____

K. In addition to copper, what other metals are produced from the Bingham Canyon Mine? _____

L. How much weight can the largest haulage trucks carry? How much weight can the largest shovels lift in one bite? _____

M. What is Kennecott's Giant Leap Program intended to accomplish?

N. What was the name of the original company that preceded Kennecott in the development of the Bingham Canyon Mine? _____

O. Name five ways that copper is used in your everyday life.

P. What percentage of the copper used by the Allies during World War II was mined at Bingham Canyon? _____

Q. Name 10 of the minerals and metals produced by Rio Tinto, Kennecott's parent company.

3. While viewing the Bingham Canyon Mine from the Overlook, locate the in-pit crusher and the conveyor system. How much ore is crushed daily in the in-pit crusher? _____
How long is the conveyor? _____
Where does the conveyor transport the ore? _____

4. List five minerals or metals used in the construction of a home.

5. List five minerals or metals that are used daily in a home.

Name: _____

Troop Number: _____

Leader's Name _____

Phone Number: _____

Address: _____

City, State, Zip Code: _____