

**SEG WHISTLER 2013: GEOSCIENCE FOR DISCOVERY**  
**Northern Nevada Mine Tour: Contrasts and Similarities**  
**Saturday Sept 28 – Thursday Oct 3, 2013**

**LEADERS:**

Moira Smith, Pilot Gold (USA) Inc. ([msmith@pilotgold.com](mailto:msmith@pilotgold.com))

Marcus Johnston, Renaissance Gold Inc. ([mjohnston@rengold.com](mailto:mjohnston@rengold.com))

David Rhys, Panterra Geoservices ([panterra@shaw.ca](mailto:panterra@shaw.ca))

**WHERE:** Elko and Winnemucca, northern Nevada

**WHEN: Evening of September 28 through October 3**

**COST:** \$CAD (based on double occupancy. Includes Elko welcome dinner, transportation, accommodations (Sept 28 check-in – Oct 3 check-out), lunch, dinner and field trip materials. Participants are required to cover the cost of transportation to and from the tour hotel in Elko, Nevada, breakfast and all expenses subsequent to the return of the tour to Elko on October 3.

**MINIMUM PARTICIPANTS: 20**

**MAXIMUM PARTICIPANTS: 35**

**GEAR:** Hard-toed boots and long pants are required for mine tours. If participants can bring their own safety glasses and hard hat it would be appreciated but not required. Outdoor clothing recommended. It will still be relatively warm in late September.

**SUMMARY:**

Sediment-hosted gold deposits are some of the largest and most enigmatic gold deposits on the planet. Northern Nevada is endowed with a large number of world-class examples of this deposit type, including deposits and mines on the well-known “Carlin Trend”, comprising Eocene-aged gold mineralization hosted in Siluro-Devonian slope-facies carbonate rocks. In addition, there are a growing number of “outliers” – deposits hosted in other sedimentary facies, in host rocks of other ages, or in other tectonic settings. We will complete a transect from the easternmost example of a large “Carlin-Style” deposit through the westernmost example, journeying from Ordovician through Mississippian host rocks, and from a platform setting to the slope environment to a foreland basin setting. We will also visit sites ranging from development projects (“mines in the making”) through mines that have been in operation for several decades. Along the way we will examine differences and similarities between the various deposits, including age, mineralogy, host rocks and structural controls on mineralization, and discuss current ideas about genesis of these deposits.

In addition to the Carlin-style deposits for which Nevada is famous, large epithermal deposits and mines are also present throughout the state. We will complete the tour with a visit to Allied Nevada Gold Corp.’s Hycroft Gold Mine, a large and growing gold and silver mine west of Winnemucca.

Your guides will be joined by extremely knowledgeable hosts from Newmont, Barrick and Allied Nevada who will participate in tours and after-tour activities. We thank them in advance for participating in this tour and allowing us to access and view their operations!

**May we suggest....** Combining this field trip with the pre-meeting short course “Gold Deposits: Their Structure and Setting”, taught by trip leader David Rhys. This course will provide a review of sediment-hosted gold deposits, including some of the same deposits we will visit on the field trip.

#### **ITINERARY:**

##### **General:**

- Participants should attempt to arrive in Elko by 6 pm PST on September 28. Travel to Elko is most easily facilitated by flying from Vancouver to Salt Lake City. From Salt Lake City to Elko, Skywest operates a small commuter plane with several departures per day. SPACE ON THIS FLIGHT IS VERY LIMITED, AND EVEN WITHOUT THE FIELD TRIP IT TYPICALLY SELLS OUT A FEW WEEKS IN ADVANCE. If you wish to fly into Elko, do not leave the flight booking until the last minute! It is also possible to rent a car one-way or round-trip in Salt Lake City or Reno and drive to Elko. SEE NOTE AFTER THE SCHEDULE RE FLIGHT BOOKINGS.
- Those arriving by air can hire a taxi at the airport for the short trip to the Gold Country Inn.
- Breakfast is not provided. However, the hotel has an attached casino and restaurant that serves a great breakfast, and there are other nearby alternatives within walking distance.
- All transportation on the trip will be facilitated via 12-passenger vans unless other transportation is utilized on the mine sites.
- 6:00 pm: Welcome Dinner in Elko and Newmont Long Canyon presentation.

##### **Sunday, September 29: Long Canyon (Newmont)**

- 8 am: Departure for Long Canyon
- Noon: box lunch provided
- Evening: Dinner and Presentations in Elko; accommodations at the Gold Country Inn, 2050 Idaho Street.

##### **Monday, September 30: Emigrant and Goldstrike (Newmont; Barrick)**

- 8 am: Depart for Goldstrike (Barrick)
- Noon: box lunch provided
- Afternoon: Emigrant (Newmont)
- Evening: Dinner and Presentations in Elko

##### **Tuesday, October 1: Pipeline, Cortez Hills (Barrick)**

- Morning: Pipeline
- Noon: box lunch provided
- Afternoon: Cortez Hills
- Evening: Dinner and Presentations in Elko

##### **Wednesday, October 2: Twin Creeks (Newmont)**

- Morning: Depart Elko
- Day tour to Twin Creeks

- Afternoon: drive to Winnemucca
- Evening: Dinner and Presentations in Winnemucca

**Thursday, October 3: Hycroft (Allied Nevada)**

- Morning: Hycroft Tour
- Noon: Box lunch provided
- Afternoon: Return Elko

**END OF TOUR**

**FLIGHT BOOKINGS:**

\*The following is provided for your convenience, but should not be relied upon\*

- Currently there is one reasonable option for travel to Elko on September 27: Delta/Skywest leaving Vancouver at 5:10 pm and arriving in Elko 10:06 pm. Participants on this flight can take a short taxi ride to the hotel.
- The most viable travel options on September 28 involve leaving Vancouver between 7 and 8 am in the morning and arriving in Elko at 1:46 pm in the afternoon. The next flight from Salt Lake City does not arrive until 8:46 pm. This is OK as well, although you will miss the Welcome dinner. Air Canada and Delta are viable options, with Skywest operating the flights from Salt Lake City to Elko.
- For return flights to your home, there are no options on October 3. The last flight leaves Elko at 5:14 pm. If enough people must depart Elko on October 3, we might be able to accommodate this by having one van leave Hycroft early on the last day, but we cannot guarantee this.
- On October 4, flights depart Elko at 5:56 am, 12:15 pm and 5:14 pm.

**OTHER TRANSPORTATION:**

- If you arrive by plane, please plan to take a taxi to the hotel
- If you are coming and going from Reno, please contact either Smith or Johnston; we might be able to arrange for van or carpool travel to and from Elko from Reno.