We have spent several years prospecting this area and doing research into the best processing methods for the prehnite.

During the period 2008/9 we spent time identifying and listing differences in material from various areas of the ML. In some areas the target gemstone, prehnite, has been totally weathered from the basalt allowing identification of high quality gem material. The main area for the ‘clean’ material is adjacent to the West of the track through the deposit in the North section of the ML. We have identified this as Target Area 1 on the attached map.

The prehnite from Target Area 1 ranges from 2.5 cm to 10 cm in size.

The prehnite from Target Area 2 on the East side of the road differs in that it is enclosed in nodules of basalt. From experience, much of this material produces facet grade gems.

Further to the East of the road there is a major outcrop, Target Area 3, but the material is poorer quality and would only be suitable for ornamental gems for inexpensive fashion jewellery and carvings.

Further to the South West there is an outcrop of quartz geodes, some of which contain amethyst. The surface indications do not show anything commercially viable.

The gem, Fig. 2, on the left was cut from a rough prehnite found in Target Area 1. The stone has been set in sterling silver and is enhanced with cubic zirconia. Several other pieces were cut into cabochons and also set in handmade sterling silver settings.
Target Area 1 (Fig. 2) shows a flat plain scattered with prehnite nodules. This area has produced very nice yellow material highly desired in the jewellery industry as there is no other hard yellow gemstone that is available in quantity anywhere else in the world.

The attached map show EL 23440 and ML 25205. EL 23440 was surrender in favour of the Mineral Lease Application on the basis that the remaining area outside of ML 25205 would be deemed Reserve From Occupancy (RO).

The map has a number of target areas marked in red and these will be the focus of a work program planned for 2011.

Fig. 3 shows prehnite scattered over the surface. Much of this material is suitable for faceting and making Cat's Eye cabochons. The surface material is weathered and faded but we believe that better quality material will be just below the surface. Many of the pieces in the picture were clear enough to facet.
Fig. 4 - Map Of ML 25205

Prepared By

Gerald Pauley
We have been seeking investors to participate in a joint venture to establish a mine and also to set up a processing factory in China. In late 2008, Gerry and Linna Pauley took some businessmen from China to see the area. Samples were collected but nothing came of it.

In 2009, Linna met with another group who have expressed interest in entering into a joint venture to process gems from the area. The discussions were ongoing and a trip was made to China to meet with the interested parties.

Total expenditure during the period has been $20,000.00

Robert Sielecki

Crystal Universe Pty. Ltd.