

**Gem Mining at the Cryo Genie Pegmatite Mine, southern California; Report #8,
Month of November, 2002**

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Since we haven't done much this month, I decided to lump the whole month of November together in one report. A lot has transpired this month other than the typical mining. We had equipment problems, jeep problems and I pinched my ulnar nerve in my left arm which has kept me from doing any heavy work, and in mining you know what that means, nothing gets done.

The good news is that we hit two small satellite pockets, one near the floor and another in the ceiling. The floor pocket produced a few nice matrix specimens of blue tourmaline. The largest crystal is only an inch in length and diameter but sits very nice on a matrix of cleavelandite and quartz. There were numerous pieces of morganite that appear to be parts of two crystals. The pocket near the ceiling is still going but has produced some beryl, pencil-diameter green-blue tourmalines crystals, and numerous quartz crystals.

Wouldn't you know it, the parts we ordered last month to the diesel generator were the wrong ones and the brushes for our gas-powered generator were not easy to find. So, for now, we have at least one of the generators working. The compressor also needed some repairs. The rains at the beginning of the month shifted the position of the machine and broke the pipe at the filter.

Dave and I started making carries for the numerous extra large specimens that came from the BAT pocket. One I call Australia (Figure 1) due to a microcline on one side of the specimen, with bi-colored tourmalines on its face, that is shaped like the country. The over all size of the specimen is 21 inches in length, 15 inches wide and 13 inches tall. The microcline that is shaped like Australia measures 10 inches in a E-W direction and 6 inches in a N-S direction and has 15 tourmalines up to 2.5 inches in length scattered on it's face. Also found on the other areas of the specimen are 2 clusters of pink tourmaline, numerous single pink tourmaline crystals, 3 quartz crystals and lots of cleavelandite. Another large roof piece was made ready for transport to our lab. This one had 2 large microcline crystals with a cluster of quartz coming out of the top and tuffs of cleavelandite scattered over it. It must weigh 80 or 90 pounds.

There were still buckets of pocket material in the mine from the BAT pocket, so on the 22nd they were loaded up in the pickup along with the two large specimens and Dana took them to the lab.

On the 26th I drilled three holes in and around the face in areas of rock I knew would not hold any pockets. I shot them with no problems or miss fires. After the mine was ventilated, I scaled enough to double the amount of muck. It was this shot that exposed the pocket in the ceiling, and also it appears that the core zone has split into 2 separate zones with some line rock in-between (Figure 2). The blue tourmaline pocket is in the lower zone and the green pocket is in the real core zone.

It seems we will be mucking out this round well into December. I'll send another up date at the end of December since we are on half time now. Keep watching.



Figure 1.



Figure 2.