

PROSPECTING TURKEY WITH THE BEEP MAT

FIRST DAY IN SIYLE WITH MR.UGUR KIZILTEPE



Three well-rounded floats of massive galena were discovered in less than one hour in a stream below the Siyle mine. Covered by a thin layer of moss, they could not be distinguished from barren boulders. All three were found within 30 meters below the path leading to the adit. They illustrate the need to give bonus only for floats which are sampled and actually assayed, as here we took time to sample only one of the three. Yet, even if one can usually estimate the base metal content of floats the gold cannot be evaluated by eye. Floats are random samples from an ore body, and differ in gold content. Assaying should be systematic until several dozens of floats from a limited area have been assayed.

The last picture in the right corner shows one of the many ore fragments discovered in waste piles from the old excavation. Even fragments smaller than a fist could be easily detected.



EXAMPLES FROM GOCEKOY

Four days were spent in Gocekoy, one of which with Dr. Brian Baily Young and Wayne Kipling. Two new beeping floats were discovered, plus at least one rich non-beeping one. Two of the four previously discovered floats were also conductive. Here are some pictures of the floats.



This float was the original one visually discovered by Levent Unersoy on Gocekoy. It beeps 100 counts as shown and 400 counts after being dug out.



This big 1.5-m float was exposed at the surface but a 15-cm wide sulfide rich bed was only detected by the Beep Mat. The float was 15 meters below the float shown to the left.



This 1.5-m long massive sulfide float was flush at the surface when it reacted to the Levent Unersoy's Beep Mat while prospecting the pasture. It was found 40 meters above another even bigger sulfide float previously discovered by Unersoy before the Beep Mat (see picture). Both boulders are massive pyrite but whereas the one discovered by the Beep Mat is conductive (200 counts on the surface, 4000 after being dug out), the one discovered by Unersoy was weakly conductive (40 counts on the surface, 100 after digging out). The first boulder assayed 25 g Au/t. On the last picture, there is a copper rich float discovered visually, it is probably too oxidised to be conductive.

