

Notes for Project 330 data and report - July, 1999.

Duplicates and Blanks

Seven samples were submitted in duplicate for Mobile Metal Ion, Enzyme Leach, “conventional” 4 acid digestion and humus samples. The last three digits of the sample numbers are given below as duplicate pairs:

319-320; 140-141; 151-152; 180-181; 104-295; 191-192; 200-201.

These samples **were not splits** but **separate samples** taken at each site.

Ten “blanks”, samples taken from an area other than the project area, were also submitted with last three sample number digits 326 through 335.

Sampling Notes

Samples were taken during July, 1998. Depths within the B horizon at which the samples were taken was determined using the NRCS Soil Survey data (report dated May 5, 1998, included) which defined the B horizon at each site; a uniform depth was utilized whenever possible, 10 cm below the top of the B horizon.

A geophysical grid was utilized for sampling to ease labor costs; this created an anisotropic sample distribution. Lines are 400 feet apart; samples on each line are 50 feet apart. Stations with a negative number are southeast of the baseline; positive numbers are northwest of the baseline.

Sample locations on the map were captured using a Garmin GPS 12 XL in real time mode utilizing a cable-coupled pager receiving correction signals from International Falls, MN. Datum is NAD-83. Areas with no sample site indicated are bedrock outcroppings.

Interpretation

Interpretation of the Mobile Metal Ion data, and the Enzyme Leach, “conventional” method, and Humus data were done by contractors selected by the analytical laboratories. These contractors are identified in the reports.