Locust Lake State Park . . . Dam and Discharge Area
Note the composition of rocks used in the dam and the shape of the discharge area
First Stop – Reevesedale South Dip Tunnel Project. Wayne Lehman and Bill Riechert gave some background information on passive remediation techniques for abandoned mine drainage. This location has an oxic Limestone Tunnel that discharges into wetlands where the iron accumulates.
First Stop – Flushing the system clears the limestone tunnel of accumulated iron precipitates.
First Stop – Water is diverted from the stream channel to the limestone drain and discharged into the lower wetland in these photographs.
First Stop – Water is diverted from the stream channel to the limestone drain and discharged into the upper wetland in these photographs.
First Stop – Water is diverted from the stream channel to the limestone drain and discharged into the upper wetland in these photographs . . . Note the expansion of the rust-colored plume from left to right in the pictures below
Second Stop – Reclaimed Strip Mine. Biosolids have been applied to some locations (green areas) while hydroseeding was done on the steeper slopes.
Second Stop – Reclaimed Strip Mine. A biosolids test-plot is shown above. The poplars on the left were planted in an area of land that had been treated with biosolids. The poplars on the right were planted without the biosolid treatment.
Third Stop – Wadesville Strip Mine, Mammoth Coal Vein – Notice folded rocks in far wall (below)
Fourth Stop – Reclaimed Strip Mine, overlooking WalMart (left)
Fourth Stop – Reclaimed Strip Mine. We had a discussion of the ARRI project at this site.