southern limb and a moderately dipping northern limb. The Delano

anticline, which closely parallels the Delano syncline on the south,

regular orientation.

Mining is adversely affected by (1) faults with disp

stone and claystone. The Lykens Valley (No. 2 and No. 2-1/2) coal

peds are near the middle of the formation

opmental, and water-control operations by showing: (a) the location

of all known coal outcrops (sheet 1), (b) the depth and structure of rep-

of coals in the Allegheny formation. In the mapped area the Mammoth

composed of the Bottom Split (No. 8), Middle Split (No. 8-1/2),

by deformation were not recorded. The maximum and minimum thick-