



EXHIBIT V
 ANTRIM MINING INC. #1 MD 59820101
 TOPOGRAPHIC AND OPERATIONS MAP AND WATER MONITORING PLAN
 T504, DUNCAN TOWNSHIP, TIOGA COUNTY, PENNSYLVANIA
 SCALE 1" = 400 FEET, GRID BASED ON PA. COORD. - NORTH ZONE
 PREPARED FROM 7 1/2' MORRIS, ANTRIM, CHERRY FLATS AND NAUVOO
 USGS QUAD, C.I. = 20 FEET
 BY: BOYER KANTZ, R.S. NEIL HEDRICK
 EDWIN KOPPE, GEOLOGIST RICH TAYLOR

"LEGEND"

—	PROPERTY LINES	→	UNDERGROUND WATER FLOW
- - -	LIMITS OF AFFECTED AREA	— —	FAULT
—	PUBLIC ROADS	- - -	PROPOSED SURFACE WATER DIVERSION DITCH
—	TIMBER AND MINING ACCESS ROADS	— —	DIP AND STRIKE
■	HOUSE OR CAMP	— —	JOINT
□	BUILDING	— —	MINING PERMIT LIMIT
▨	PRE-ACT SURFACE MINE DISTURBED AREA	— —	SURFACE MINE HIGHWALL
▧	ESTIMATED LIMITS OF ABANDONED DEEP MINES	○	BOREHOLE
▩	SURFACE MINE RESTORED AREA	— —	BLOSS VEIN STRUCTURE CONTOUR
—	MINE ENTRY	— —	MEASURED COAL SECTION
—	COAL OUTCROP LINE	— —	OVERBURDEN ANALYSIS LOCATION
—	SURFACE SLOPE MEASUREMENT	— —	SUPPORT AREA LIMITS
—	SURFACE MINING BARRIER - ROAD - PROPERTY	— —	DEEP MINE SPOIL
—	SPRING, WATER WELL	— —	TEMPORARY SURFACE MINING BARRIER
—	WATER SAMPLING STATION	— —	WET AREA
—	M = MONITOR	— —	PIEZOMETER LOCATION
—	B = BACKGROUND	— —	SEEP AREA
—	PROPOSED PIT WATER TREATMENT PONDS		
—	PROPOSED SEDIMENTATION POND WITH PROTECTED OUTLET		
—	WEIR LOCATION		

Revisions

- 7/6/82 Increased the size of ponds b,c,d,e and f.
- 7/6/82 Added Seep Area and Wet Area Data.
- 7/6/82 Adjusted C' Cropline.
- 7/6/82 Adjusted C Cropline.
- 7/6/82 Key Coupe Mine.
- 7/6/82 Key Patt Mine.