



- LEGEND**
- LR 32088 - Legislative Route
 - T-555 - Township Road
 - — — — — Property Line
 - Occupied Dwellings
 - Other Buildings
 - — — — — Haulroads
 - Gas Well
 - — — — — Utility Lines (Elect, Telephone, Water, Gas)
 - — — — — Underground Utility Lines
 - — — — — Tree Line
 - — — — — Swamp
 - — — — — Streams, Lakes & Ponds
 - Wells
 - Springs
 - — — — — Groundwater Flow Direction
 - — — — — Limit of Mine Drainage Permit
 - — — — — Coal Outcrop, B.25 Outcrop Barrier
 - — — — — Highway
 - — — — — Barrier (artificial, coal, etc.)
 - — — — — Erosion/Sediment Control Pond
 - — — — — Treatment Basin
 - — — — — Diversions & Interceptor Ditches
 - — — — — Energy Dissipator
 - — — — — Sedimentation Fence
 - Background Water Sampling
 - Monitoring Water Sampling
 - Drill Holes
 - — — — — Fault Line
 - — — — — Strike & Dip of Bedrock
 - — — — — Slope Measurement
 - — — — — Prime Farmland Soils
 - — — — — Topsoil Storage
 - — — — — Phase Boundary
 - — — — — Phase Designation
 - — — — — Deep Mine Opening, I, II, etc.
 - — — — — Deep Mine Limits (active or abandon)
 - — — — — Surface Mined Land
 - — — — — Prop. Waterway on final reel.

Background Water Sampling Data

NUMBER	LOCATION	FLOW	FIELD pH	ELEV
S1 *	STREAM	10 GPM	4.1	
S2	DRAINAGE	15 GPM	6.5	
S3 *	STREAM	150 GPM	5.6	
SP1	SPRING	4 GPM	5.7	1980
SP2	SPRING	6 GPM	5.5	1960
SP3 *	SPRING	3 GPM	5.7	1940
SP4 †	DRILLED WELL	NA	5.0	1982
SP5	DRILLED WELL	NA	5.6	1950
D1	DISCHARGE	15 GPM	5.1	
D2	DISCHARGE	10 GPM	2.5	

PROPERTY	ACREAGE	PERCENT	TOTAL
MILDRED JOHNSON	10.8	25.9	36.7
JOHN HAAG	1.4		1.4
			38.1

PERMIT NUMBER	BONDED ACREAGE	DELETED ACREAGE	STAGE I MINING	COMP. SUPPORT	STAGE II TOTAL	STAGE III TOTAL
100064-17784011-01	52.4	MIN. 1.0 SUP. 8.3	37.0	6.1		

EXHIBIT 9.
OPERATIONS MAP

R. Ketter

BENJAMIN COAL CO.

Operation: JOHNSON EXHIBIT V

Local Area: IRISHTOWN

Township: PENN

County: CLEARFIELD

Scale: 1" = 400' Date: 7-11-78

NO. 3214