



LEGEND

- PERMIT BOUNDARY
- SURFACE ACTIVITY SITE
- SLOPE OPENING
- DRIFT OPENING
- BOREHOLES (MINE OPENINGS)
- DISCHARGE POINTS
- ADJOINING MINE SITES
- P W S PUBLIC WATER SUPPLIES
- EXISTING GROUND WATER MONITORING POINTS
- PROPOSED GROUND WATER MONITORING POINTS
- SURFACE WATER MONITORING POINTS
- SEEPS and DISCHARGES FROM MINE OPENINGS
- DAMS and PONDS KEYED TO FORM 8.4-D

HELVETIA COAL COMPANY
ENGINEERING / ENVIRONMENTAL COMPLIANCE DEPARTMENT

Operation: Lucerne No. 9 Extension Mine		Permit No:
Township: Young & Conemaugh		County: Indiana
Coal Seam: Upper Kittanning		Geologic Group: Allegheny

EXHIBIT 8.3
HYDROLOGIC DATA MAP

Date: SEP. 17, 1992	Revisions:		Date: 8/14/92	Scale: T = 2000'
JAN 6 1993			Drawn By: kwf	
			Approved By / Date:	
			Drawing No:	

RECEIVED
JAN 11 1993
Dept. of Environmental Resources
McMurray District Office