

Notes:

Base map compiled from topographic mapping generated in conjunction with PA Turnpike Commission Findlay Connector Project (Undated).

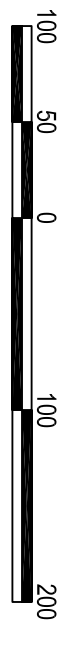
Abandoned Mine Drainage Discharges Located by GPS/Field Observation by Biomost, Inc.

Approximate property line locations and owner information compiled from available Allegheny County records reviewed between March 2003 and April 2003 and do not represent a property survey.

Based on GIS mapping provided by the Montour Run Watershed Association as prepared by KCI Technologies, Inc. for the River Conservation and Land Use Plan (April 1999), there are no unstable soils in the project area. Areas of steep slopes are represented by the contours as shown.

The passive treatment system components as shown are conceptual only. The actual size and configuration is subject to change based on further site investigation/project development, field conditions and/or other factors.

Underground and overhead utilities to be located prior to final design.



- NFMU5**  
ABANDONED MINE DRAINAGE DISCHARGE LOCATION
- # PASSIVE TREATMENT COMPONENT NUMBER (KEYED TO TABLE)
  - PROPERTY LINE (APPROXIMATE LOCATION)
  - EXISTING ROAD
  - PROPOSED PASSIVE TREATMENT SYSTEM COMPONENT
  - PASSIVE TREATMENT SYSTEM GENERALIZED FLOW PATH
  - EXISTING STRUCTURE
  - CONTOUR LINE - INDEX
  - CONTOUR LINE - INTERMEDIATE
  - STREAM

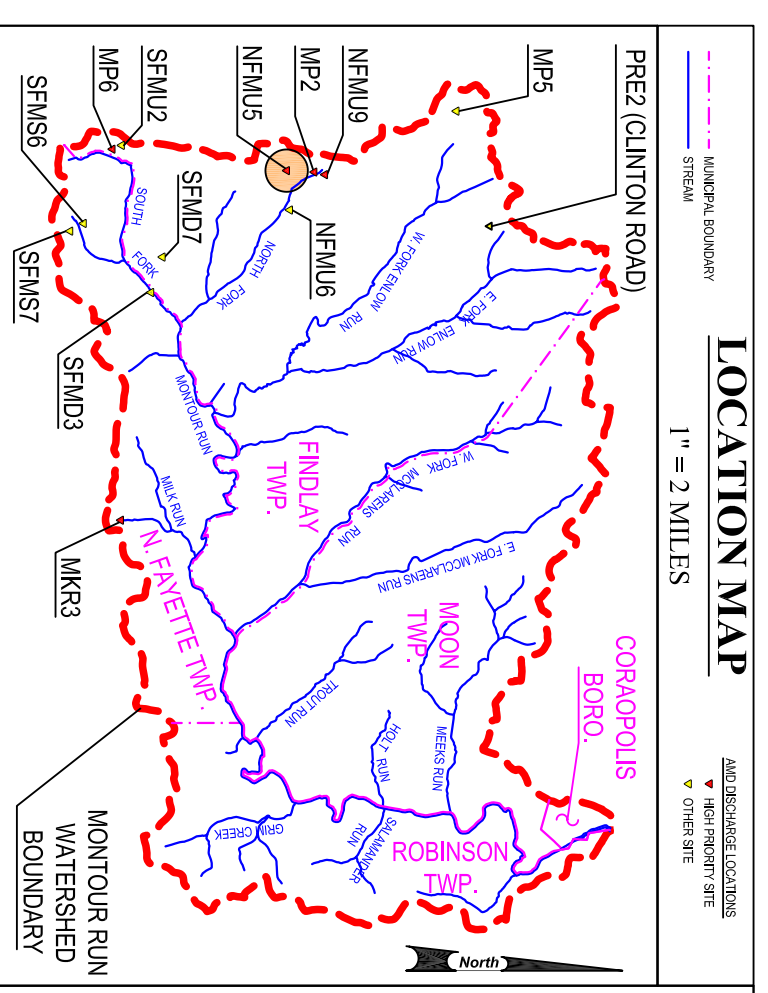
**PASSIVE TREATMENT SYSTEM COMPONENT TABLE**

COMPONENT #	DESCRIPTION
1	1,000 CY FOREBAY
2A	1,100 T VERTICAL FLOW POND (1 OF 2 IN PARALLEL)*
2B	1,100 T VERTICAL FLOW POND (1 OF 2 IN PARALLEL)*
3	12,000 SF SETTLING POND/WETLAND

\*2,200 Total Tons of Limestone for both Vertical Flow Ponds

**REPRESENTATIVE DISCHARGE CHARACTERISTICS**

DISCHARGE	Flow (gpm)		pH (s.u.)		Alkalinity (mg/l)		Acidity (mg/l)		Iron (mg/l)		Manganese (mg/l)		Aluminum (mg/l)	
	avg.	max.	avg.	min.	avg.	min.	avg.	max.	avg.	max.	avg.	max.	avg.	max.
NFMU5	54	114	4.3	3.0	6	0	99	138	4	8	3	4	11	17



**MONTOUR RUN WATERSHED ASSOCIATION**  
**ABANDONED MINE DRAINAGE CLEANUP PLAN**  
**CONCEPTUAL SITE PLAN**  
**NFMU5 DISCHARGE**  
Scale: 1" = 100' September 2003  
Biomost, Inc., Cranberry Township, Pennsylvania  
Mining and Reclamation Services