TWIN STAR MINING, INC.

P.O. BOX 40
WHARNCLIFFE, WEWST VIRGINIA, 25651

PERMIT NO. 1101961
APPLICATION NO. 1006465

SURFACE WATER HYDROLOGY MAP

- PERMIT AREA
- DRAINAGE DIVIDE
- DIVERSION DITCH
- SEDIMENT BASINS / CHANNELS
- NPDES OUTFALL LOCATION
- INSTREAM MONITORING POINT / BASELINE ONLY
- GROUND WATER MONITORING POINT / BASELINE ONLY
- GEOLOGY POINTS
- ONE-HALF MILE RADIUS

SCALE

PROJECT NUMBER: 08-50	DRAWING FILE NAME: SWH.dwg
DRAWN BY: AHA DATE: OCTOBER 31, 2007 REVISED: DECEMBER 21, 2009 PLOTTED: DECEMBER 21, 2009	MAP NO.

Terra Tech
ENGINEERING SERVICES, P.C.
P.O. Box 1063
Gevalia, VA 24614
(276) 935 - 4191

KENTUCKY
VIRGINIA
WEST VIRGINIA
1/2 MILE RADIUS
LONG BRANCH
BUFFALO FORK
BULL CREEK
CULVERT A3-A
ENLARGED HR-A DITCH
RELOCATED HR-A
NOT TO BE CONSTRUCTED
HAULROAD B (HR-B)
HAULROAD A (HR-A)
SEDIMENT BASIN CLEAN-OUT STORAGE
DURABLE ROCK FILL A (DRF-A)
DURABLE ROCK FILL B (DRF-B)
DURABLE ROCK FILL C (DRF-C)
DRAINAGE DIVIDE
POND ACCESS 2 (PA-2)
POND ACCESS 3 (PA-3)
POND ACCESS 5 (PA-5)
VE/CBGW (BASELINE ONLY)
VE/UNISE
VE/UB
VE/LB
GAS WELL
CEMETERY
BARN
CEM
SB-1
SB-2
SB-3
SB-5
UD-A
UD-B
FB-1
FB-2
FB-3
FB-4
FB-5
FB-6
FB-7
FB-8
FB-9
FB-10
FB-11
FB-12
FB-13
FB-14
FB-15
FB-16
FB-17
FB-18
FB-19
FB-20
FB-21
FB-22
FB-23
FB-24
FB-25
FB-26
FB-27
FB-28
FB-29
FB-30
FB-31
FB-32
FB-33
FB-34
FB-35
FB-36
FB-37
FB-38
FB-39
FB-40