MUSSF 1.5

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

Name WESTON SOLUTIONS, INC.
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SEATTLE, WA 98101
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Project MUSICK MINE PA/SI

USEPA SF
1213742

"Rite in the Rain" - a unique all-weather writing surface created to shed water and to enhance the written image. Makes it possible to write sharp, legible field data in any kind of weather.

a product of

J. L. DARLING CORPORATION
TACOMA, WA 98424-1017 USA
www.RiteintheRain.com

MON 10/11/04

0730 ARRIVE OFFICE, PACK UP

0920 DEPART FOR AIRPORT

1310 ARRIVED EUGENE, DROVE TO COTTAGE GROVE

1600 DROVE OUT TO MINE AREA TO RECON

1810 COLLECTED BACKGROUND SOIL SAMPLE.

1815 DKI P1 PHOTO OF SAMPLE LOC.

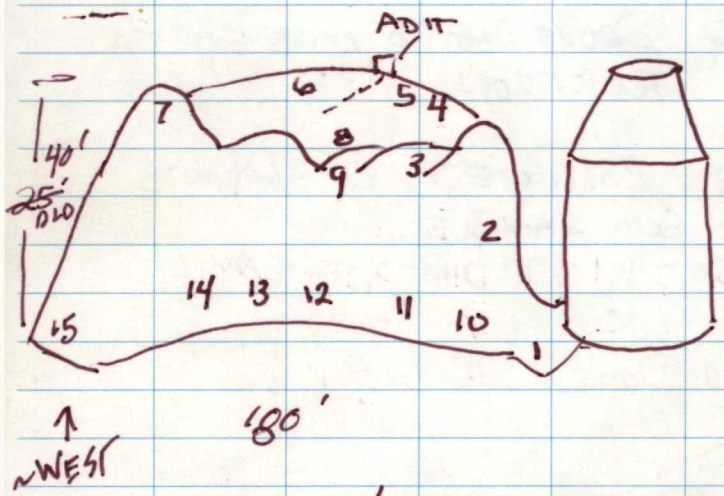
1900 DONE FOR DAY

David Dinkuhn

10/12/04 TUE 65°F CLEAR

0730 DEPARTED TO MEET W/ GALE HULIHAN, MOVED TO MUSICK MINE SITE

0900 ARRIVED, WALKED SITE, BEGAN SCREENING UPPER MINE



SAMPLE/SCREENING SKETCH UPPER MINE, LOWER WASTE PILE

SEE SCREENING RESULTS NEXT PAGE

David Quinlan

10/12/04 THE

LOC	RDG.	As	Pb	Hg (PPM)
1	2	2162	24,690	ND
2	3	986	7,975	73
3	4	1466	14,453	ND
4	5	2088	14,777	ND
5	6	888	8,441	ND
6	7	1098	5,768	ND
7	8	19	86	ND
8	9	716	7,933	ND
9	10	1,867	19,988	232
10	11	1,159	11,589	ND
11	12	789	7,885	~~65~~ OLD ND
12	13	1,418	20,401	65
13	14	685	6,398	186
14	15	436	3598	47
15	16	841	10,161	ND

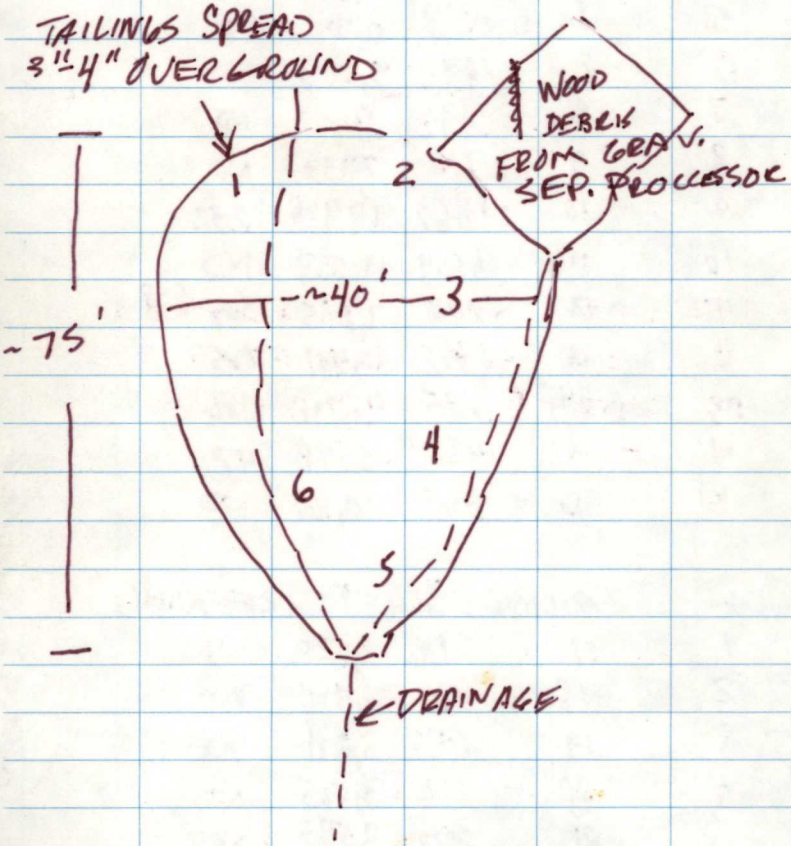
TAILINGS "PILE" SCREENING

1	17	266	3,729	ND
2	18	870	7,441	ND
3	19	645	3,211	ND
4	20	512	3,505	ND
5	21	355	2,593	ND
6	22	555	3861	ND

SEE SKETCH NEXT PAGE

10/12/04 THE

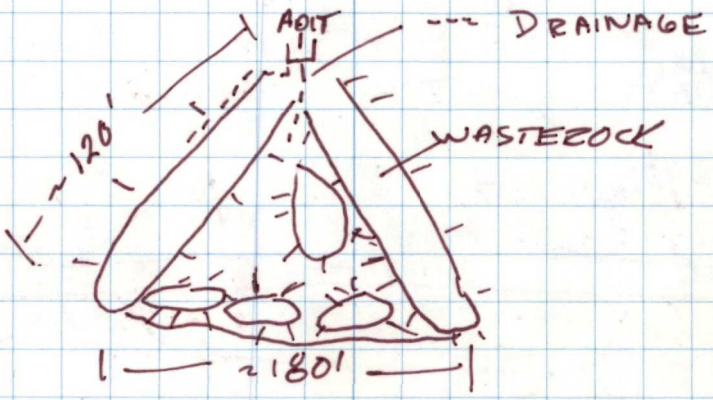
SKETCH OF UPPER MINE
LOWER ADIT TAILINGS "PILE"
& SCREENING SAMPLE LOCATIONS



David Dunham

TUE 10/12/04

UPPERMINE LOWER ADIT PLAN VIEW

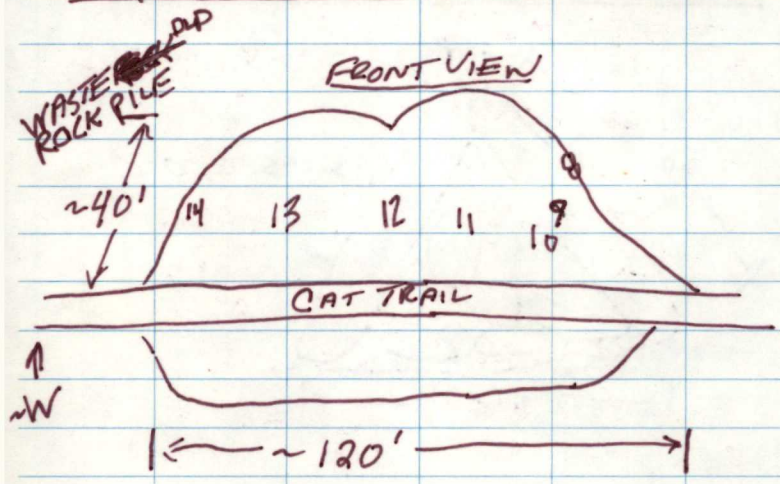


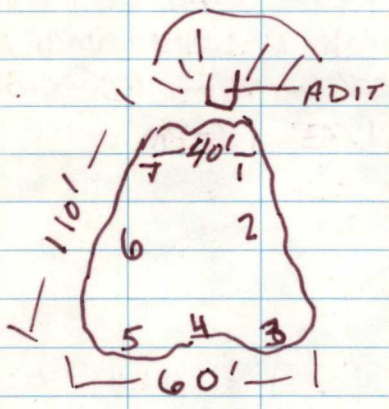
VERY SMALL FLOW OBSERVED FROM ADIT, BECAME UNDERGROUND FLOW IN WASTEROCK WITHIN 40'-60'.

FLOW ≅ 1 GPM

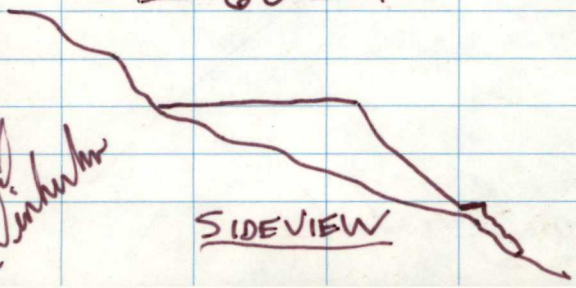
10/12/04 TUE

UPPER MINE UPPER ADIT SKETCHS





PLAN VIEW



SIDEVIEW

TUE 10/12/04

UPPERMINE UPPERADIT SAMPLING/ SCREENING RESULTS

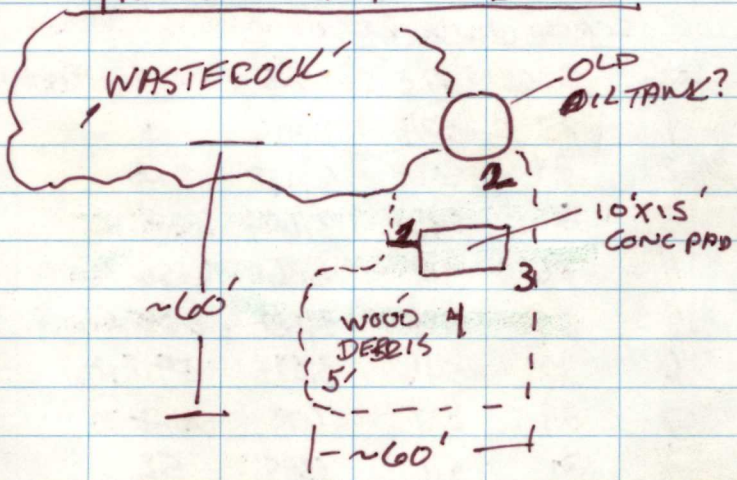
Loc.	RDG	As	Pb	Hg (PPM)
1	23	524	4,426	ND
2	24	511	6,472	ND
3	25	546	3,644	DLD ~~46~~ ND
4	26	919	6,360	DLD ~~56~~ 46
5	27	714	3,331	DLD ~~ND~~ 56
6	28	546	3,594	DLD ~~90~~ ND
7	29	827	673	DLD ~~52~~ 90
8	30	571	5,395	52
9	31	459	3,239	ND
10	33	594	3,327	ND
11	34	710	6,028	73
12	35	707 ~~583~~ DLD	6,750	184
13	36	583	4,379	ND
14	37	803	6,130	ND
15				

NOTE: RDG # 32 STANDARDIZATION

[signature]

TUE 10/12/04

UPPER MINE STAMPMILL SKETCH



LOC	RDG	As	Pb	Hg
1	38	221	3,988	77
2	23	524	4,426	ND
3	39	257	1,023	<19
4	40	488	4,661	50
5	41	578	9,344	96

1510 COLLECTED UMM-SS-MS001-0000
AT TAILINGS PILE LOC 2

1530
~~1330~~ OLD COLLECTED UMM-SS-MS002-0000
FROM WASTEROCK PILE LOC. 9

TUE 10/12/84

~~1540~~ Collected UMM-SS-MS003-
1540 0000 AT UPPER ADIT WASTE
DLD ROCKPILE LOC 12

1545 PHOTOS DK1 P7 & DK1 P8 OF
UPPER MINE ADIT - ADIT DRY,
NO SWOR SD SAMPLE COLLECTED.

1730 - COLLECTED
1800 UMM-SW-ST001-0000 } STEAM &
UMM-SP-ST001-0000 } CITY CONF
UMM-SW-ST002-0000 } STEAM ST.
UMM-SD-ST002-0000 } ATTRib.

1725 CALIBRATED pH METER TO 4.0
& 7.0 STANDARD PRIOR TO MEASUREMENT.

NOTE: THE SOUTHMOST ADIT SHOWN IN THE SOAP
(UPPER MINE) APPARENTLY DOES NOT EXIST. GALE
HULIHAN DOES NOT KNOW OF IT & I DID NOT
OBSERVE AN ADIT, WASTEROCK OR TAILINGS
PILE DURING A WALK THROUGH OF THE
AREA.

2130 FINISHED (DINNER 2000-2030)

David Dinkel

10/13/04 WED

0600 CALIB pH METER

0835 COLLECTED GLENWOOD CK.
DOWNSTREAM SAMPLE
LMM-SW/SD-ST001-0000
LOC IS ~1/4 MI FROM WHERE RD CROSSES STREAM.
BOHEMIA CK./GLENWOOD CK.
CONFLUENCE IS INACCESSIBLE
DUE TO VERY STEEP SLOPES
NO CONFLUENCE/ATTRIB SAMPLES
WERE COLLECTED.

0950 MET W/ GALE N. & MOBED.
TO LOWER MUSICK MINE

DISCUSSION ITEMS FOR JOANNE:
1 STAMPMILL # SAMPLES
2. BOHEMIA CK.
3. SEDIMENT/SURFWATER @ PPEs

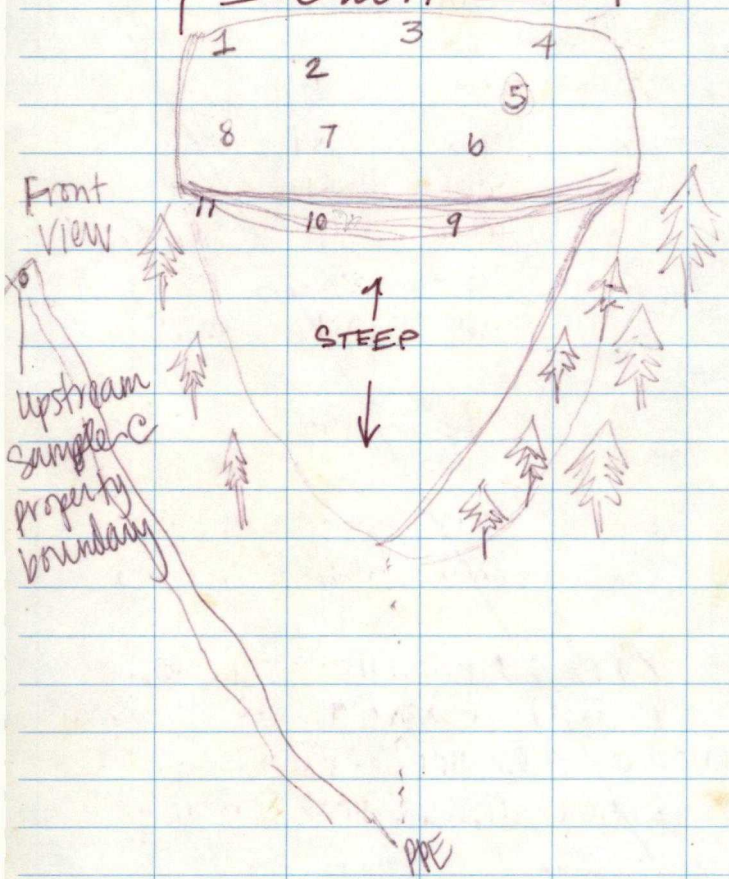
David Denhuhr

10/13/04 WED

10/12/04 WED

Lower Musick Mine Waste Rock pile

Sketchs



David Denhuhn

10/13/04 WEP

Lower Musick Mine Waste Rock Pile
Screening Results

Loc	Readding	As	Pb	Hg ppm
1	2	238	1,626	29
2	3	195	1,037	42
3	4	349	2,000	24
4	5	198	559	ND<16
*5	6	453	4,466	84
6	7	261	789	<20
7	8	241	1,296	<20
8	9	276	1114	26
9	10	234	166	ND<18
10	11	285	543	ND<19
11	12	285	569	ND<5

1150: Collect LMM.SS.MS001.0000 @ screening location #5. Sample was @ steep slope of pile. Did not screen lower pile as it was too steep to access.

Walk drainage from adit down hill. The water must have started to drain to groundwater

David Dunkel

10/13/04 WED

because relatively high-flowing stream stopped draining.

1250: Collect PPE sampler from waste rock pile to Glenwood Creek. The location was approximately 150 ft downhill from the pile. Very steep slope ~90% slope in some areas. LMM-SW-ST002-0000

1300: Collect sediment sample LMM-SD-ST002-0000.

Walk upstream on Glenwood Creek to property boundary (marked w/ pink flagging). Collect upstream sample on Glenwood Creek. Approx. 200-300 ft upstream from PPE.

1330: SW sample LMM-SW-ST002-0000

1340: sediment sample LMM-SD-ST002-0000

: Based on the topography, surface water runoff drains down to PPE. There is a slight ridge that inhibits surface water flow to drain to the upstream location.

David Dinkuh WED 10/13/04

1445 PHOTOS DK122,23, ~~&24~~ OLD
VIEWS OF WASTE ROCK PILE
LOWER MUSICK MINE
1520 ARRIVED AT UPPER MINE SITE
1550 COLLECTED PPE SED SAMPLE @
CONFL OF DRAINAGE & STREAM
FROM UPPER WASTE ROCK PILE
AND CITY CK.
UMM-SD-ST003-0000
pH MEAS. ~~4.67~~ OLD 5.65 pH PAPER ~ 5.3
NO GPS Aq. LOOK FOR BROKEN
CEDAR ~ 100FT N OF SAMPLE LOC.

1620 COLLECTED SED SAMPLE
UMM-SD-ST004-0000
pH MEAS. OLD ~~5.97~~ 6.0
pH PAPER 5.5
LOC IS ~ 200 FT FROM TAILINGS
PILE, CONF. OF DRAINAGE STREAM
& CITY CK.

1710 COLLECTED SW/SED AT DOWNSTREAM
PROPERTY BOUNDARY, UNNAMED TRIB
TO CITY CK. DOWNSTREAM OF SQAP
PPE2 LOC ST005 (UMM-)

10/13/04 WED David Reinhuber

1725 ST005 pH MEAS ~~4.89~~ 5.9 DLP
pH PAPER 5.5

1822 CHECKED pH METER AGAINST pH STANDARDS 4 & 7, METER READ 0.8 UNITS LOW.

1825 RECALIBRATED pH

USE THESE RDGS

ST003	5.65
ST004	6.02
ST005	5.88

NOTE: ADIT H_2O SAMPLE COL. @ 1700 & STORM MILL SOIL SPL. COL. @ 1720

1847 ADIT DRAINAGE pH
WMM LOWER ADIT
pH MEAS ~~2.6~~ DLP 3.15
pH STRIPS 4.5
RECHECKED CALIB ON METER, DRIFTED ~ 0.15 UNITS LOW

1900 DEPARTED SITE

2030 BACK AT COTTAGE GROVE, DONE FOR DAY

David Reinhuber

THUR 10/14/04

0600 BEGIN PREPARING SAMPLES FOR SHIPPING - SHIPPED PCB SAMPLES FEDEX

1000 DEPARTED FOR MINE AREAS

1110/ COLLECTED BG SAMPLES

1115 LMM-SD-BK002-0000
LMM-SW-BK002-0000
FROM UNNAMED CK. JUST N OF UNNAMED CK. SHOWN IN SQAP. ORIGINALLY PLANNED LOCATION WAS DRY.

1120 pH MEAS 6.90
pH PAPER 6.50
CALIBRATED pH METER JUST PRIOR TO MEASUREMENT

1220 PHOTOS DK3, 3 & 4 VIEWS OF LMM WASTEROCK PILE

#6 (DED)

1225 PHOTO DK3 #5, UMM UPPER WASTE ROCK PILE

David Dunkerley

10/14/04 THUR

1330/ COLLECTED SW/SED SAMPLES
1335 FROM CHAMP. MINE
ATTRIB CK. LOCATION ~
2/3 WAY DOWN STREAM
@ GRAV ROAD XING.

pH MEAS 6.34
pH PAPER 6.50
pH CALIB CHECKED + RECAL
@ 1300.

STREAM AT THIS LOCATION IS
MAINLY SUBTERRANEAN.
FLOW ~ 26 PM @ SAMPLE
LOC.

1530/ COLLECTED BG SW/SED SAMPLE
1535 @ NELSON CREEK. FOR UMM.
UMM-SW-BK001-0000
UMM-SD-BK001-0000
1550 PH CALIB - OK.
PH MEAS 6.07
pH PAPER 5.5

David Dinkuhn

THUR 10/14/04

1730 BEGAN PACKING SAMPLES

2030 FINISHED. DONE FOR DAY

David Denhart

10/15/04 FRID

0600 BEGAN REVIEWING PROJECT NOTES & PACKING SUPPLIES FOR RETURN TRIP

1000 SHIPPED SAMPLES

1230 RETURN FLT. TO SEA.

1500 BACK @ OFFICE, DONE FOR DAY