<div align="center">

Maudlin Gulch Unit #12 August 6th, 2022 spill
Soil Analysis Summary

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Per text from Scott on 9/27/2022 - soil sample depths for all samples, but the vertical sample are from 0-6 inches. The trench sample was collected at 5 feet below ground surface.

E 0-6" and W 0-6" were collected on 9/28/2022 after an additional 6 inches of soil had been removed from the area of M#12 N

Analyte	Table 915 Standard	soil samples collected 8/15/2022						soil samples collected 9/28/2022	
		M#12 N	M#12 S	M#12 E	M#12 W	M#12 V	M#12 Background	E 0-6'	W 0-6"
*EC	<4	5.9	2.8	5.0	0.6	5.1	0.7	NT	NT
*SAR	<6	9.0	6.6	2.5	0.1	21.2	0.2	NT	NT
*pH	6-8.3	7.7	7.8	7.6	7.4	7.8	7.6	NT	NT
*boron	2	0.4	0.7	0.5	0.4	0.6	0.3	NT	NT
TPH	500	108	44	50	38	7	17	65	166
benzene	1.2	nd	nd	nd	nd	nd	nd	nd	nd
toluene	490	nd	nd	nd	nd	nd	nd	nd	nd
ethylbenzene	5.8	nd	nd	nd	nd	nd	nd	nd	nd
xylene	58	nd	nd	nd	nd	nd	nd	nd	nd
1,2,4-trimethylbenzene	30	nd	nd	nd	nd	nd	nd	nd	nd
1,3,5-trimethylbenzene	27	nd	nd	nd	nd	nd	nd	nd	nd
acenaphthene	360	nd	nd	nd	nd	nd	nd	nd	nd
anthracene	1800	nd	nd	nd	nd	nd	nd	nd	nd
benzo(a)anthracene	1.1	**1.4**	nd	nd	nd	nd	nd	nd	nd
benzo(b)flouranthene	1.1	**1.8**	nd	nd	nd	nd	nd	nd	nd
benzo(k)fluoranthene	11	0.98	nd	nd	nd	nd	nd	nd	nd
benzo(a)pyrene	0.11	**1.6**	nd	nd	nd	nd	nd	nd	nd
chrysene	110	1.7	nd	nd	nd	nd	nd	nd	nd
dibenzo(a,h) anthracene	0.11	nd	nd	nd	nd	nd	nd	nd	nd
fluoranthene	240	2.7	nd	nd	nd	nd	nd	nd	nd
fluorene	240	nd	nd	nd	nd	nd	nd	nd	nd
ideno(1,2,3-cd)pyrene	1.1	**1.3**	nd	nd	nd	nd	nd	nd	nd
1-methylnaphthalene	18	nd	nd	nd	nd	nd	nd	nd	nd
2-methylnaphthalene	24	nd	nd	nd	nd	nd	nd	nd	nd
naphthalene	2	nd	nd	nd	nd	nd	nd	nd	nd
pyrene	180	2.6	nd	nd	nd	nd	nd	nd	nd
arsenic	0.68	7.2	6.3	5.6	4.7	4.5	4.8	NT	NT
barium	15000	163	190	196	185	82	88	NT	NT
cadmium	71	nd	nd	nd	nd	nd	nd	NT	NT
chromium (VI)	0.3	nd	nd	nd	nd	nd	nd	NT	NT
copper	3100	11	17	49	18	12	12	NT	NT
lead	400	14	30	49	46	13	24	NT	NT
nickel	1500	9	12	16	15	11	11	NT	NT
selenium	390	nd	nd	nd	nd	nd	nd	NT	NT
silver	390	nd	nd	nd	nd	nd	nd	NT	NT
zinc	23000	42	74	83	108	48	62	NT	NT

* standards to determine suitability for reclamation

nd - below method detection limits - see analysis data

NT - not analyzed