Frank Filas
Western States Minerals
4975 VanGordon Street
Wheat Ridge, CO 80033

Date Rec:2/22/90

CSU Soil Testing Lab
Room 6, Voc. Ed. Bldg.
Fort Collins, CO 80523
303-491-5061

NOTE: Your samples will be automatically discarded 30 days from the date on this report unless you notify the lab to keep the samples. Thank you.
Date:4/4/90
Billing:

Sample ID's

1 = Hi-Grade No. 6 (surface)
2 = Hi-Grade No. 6 (2' depth)
3 = Lo-Grade No. 3 (surface)
4 = Soil Bank Near Adit
5 = Soil Toe of West Dump
6 = Soil Bank Near Truck Pond
7 = West Waste Dump (surface)
8 = West Waste Dump (2' depth)

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Date:4/4/90
Billing: S09251

Research Analysis

Lab #	Sample ID #	Paste pH	Paste E.C. mmhos/cm	---meq/l from sat.ext.--- Ca	Mg	Na	K	SAR	% Sat	--AB-DTPA-- NO3-N ----ppm----	P	CEC meq/100g
R6945	1* H	6.6	26.8	29.9	36.3	249.6	1.2	43.4	30	52	2.5	6.0
* 6946	2 H	7.2	24.1	36.1	32.7	220.4	1.0	37.6	24	19	2.3	4.1
* 6947	3 H	9.1	58.4	2.6	2.3	795.7	1.8	505.6	32	180	4.7	6.4
* 6948	4 -B	7.4	69.9	181.1	132.4	634.8	0.4	50.7	30	7	2.3	14.7
ok-6949	5-B	8.3	1.3	1.3	0.2	11.8	0.1	13.4	23	8	5.0	20.1
ok-6950	6-B	8.6	1.3	1.1	0.1	12.3	0.1	15.7	26	2	3.4	16.4
* 6951	7-WP	7.4	28.9	75.3	63.6	179.1	0.3	21.5	39	55	3.1	9.6
ok-6952	8-WP	7.4	13.4	71.4	25.4	73.9	0.3	10.6	37	26	3.1	8.5

Lab #	Sample ID #	% Sand	% Silt	% Clay	Texture	% CaCO3 equiv	% Total S	Acid-Base Potential
R6945	1	58	24	18	SL	1.3	0.31	3.3
6946	2	67	20	13	SL	0.7	0.25	-0.8
6947	3	40	43	17	L	3.8	0.38	26.1
6948	4	48	26	26	SCL	24.1	0.15	236.3
6949	5	82	8	10	LS	7.2	<0.01	72.0
6950	6	78	8	14	SL	4.4	<0.01	44.0
6951	7	42	25	33	CL	6.5	0.81	39.7
6952	8	44	26	30	CL	6.4	0.74	40.9

* See attached list for sample ID's

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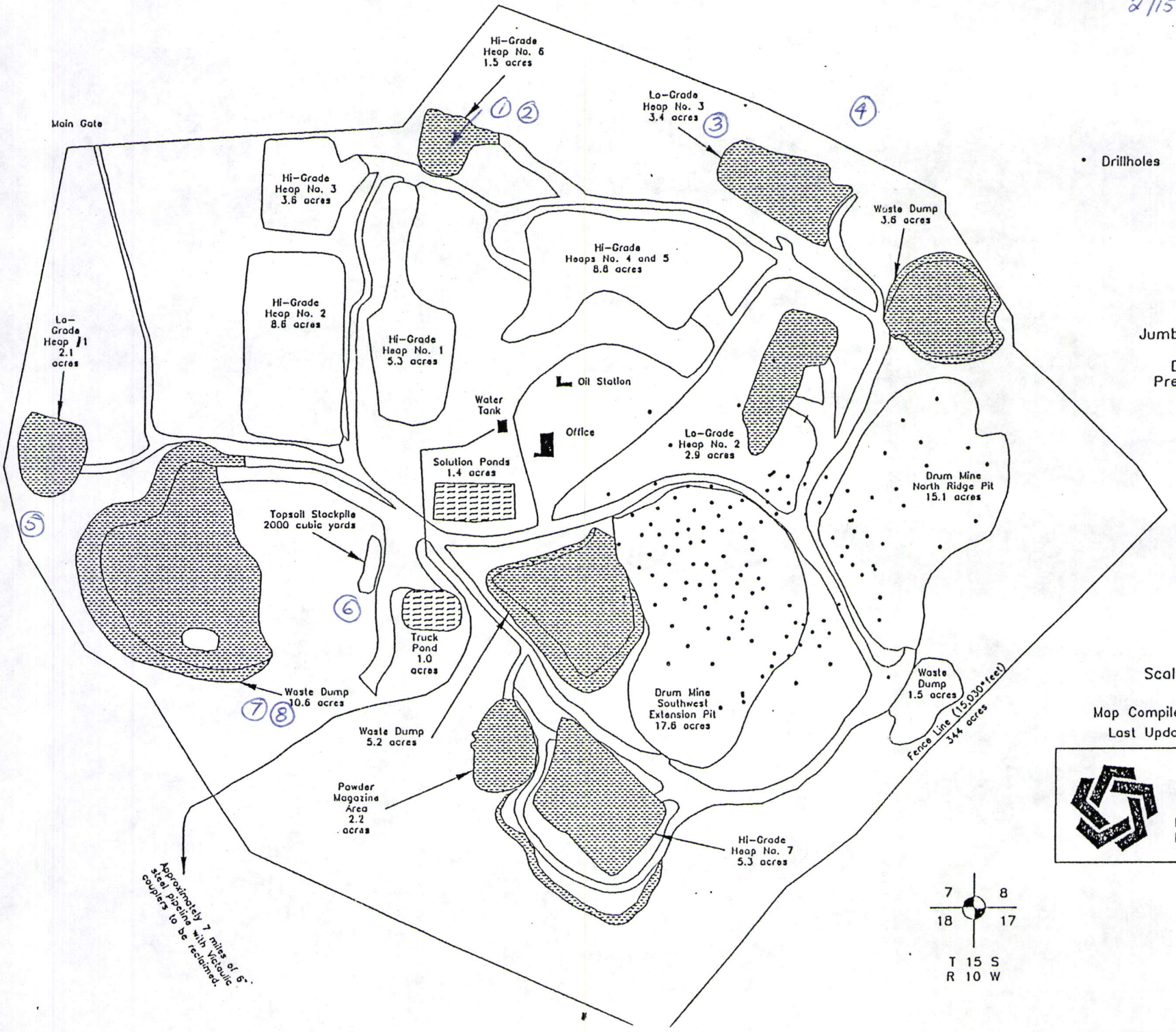
SOIL SAMPLE LOCATIONS
2/15/90



• Drillholes

Jumbo Mining Corp
M/027/007
Drum Mine Site
Present Disturbance

Scale: 1" = 600'

Map Compiled December 5, 1988
Last Update: July 26, 1989

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining