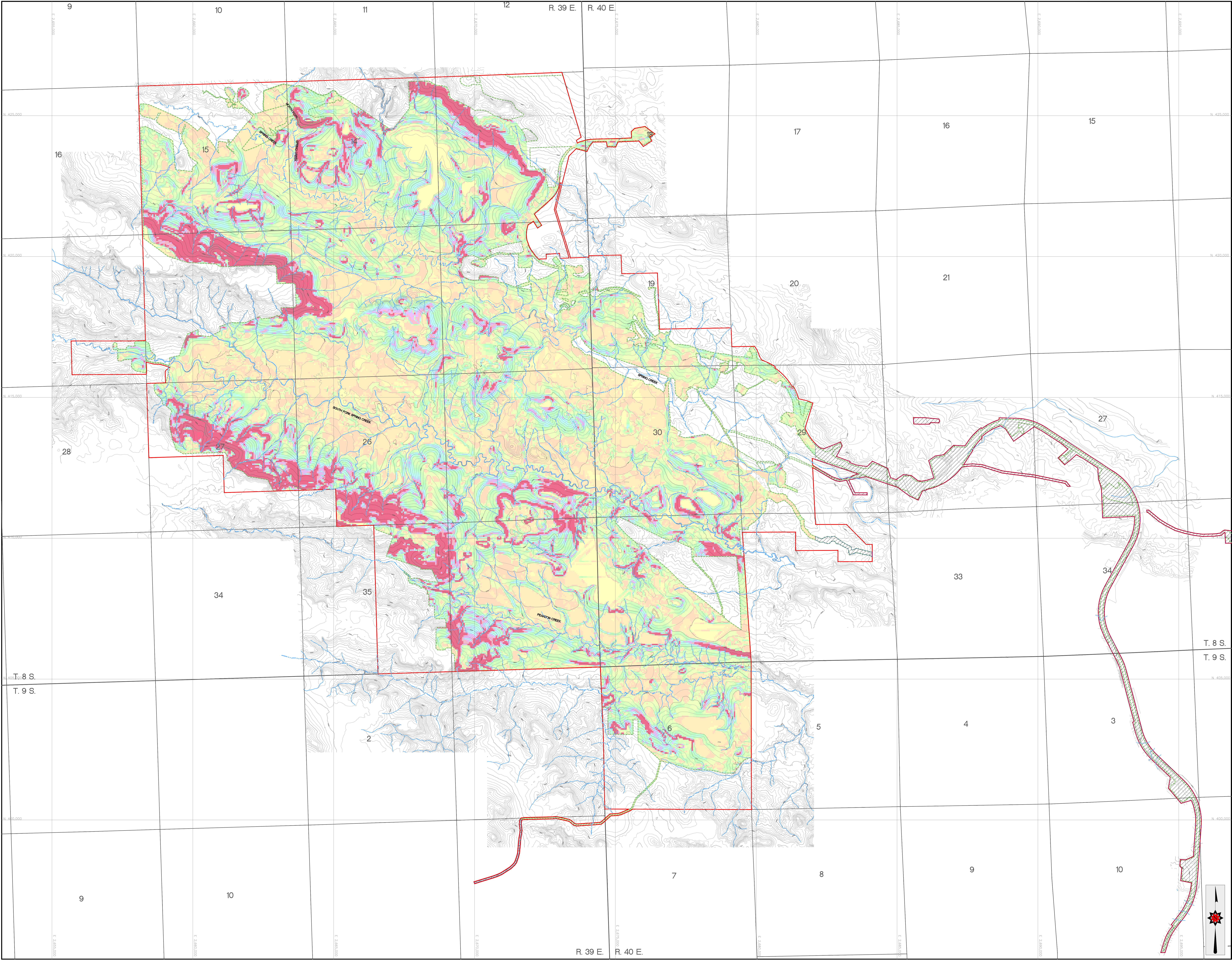




LEGEND

- Spring Creek Mine Permit Boundary
- Life of Mine Disturbance Boundary
- Drainage Channel
- Area With This Hatch Is For Facilities And Will Be Reclaimed To Match Pre-Mine Topography. This Area Is Not Included In Slope Analysis

< 0	13 to 14
0 to 1	14 to 15
1 to 2	15 to 16
2 to 3	16 to 17
3 to 4	17 to 18
4 to 5	18 to 19
5 to 6	19 to 20
6 to 7	20 to 21
7 to 8	21 to 22
8 to 9	22 to 23
9 to 10	23 to 24
10 to 11	24 to 25
11 to 12	25 to 33.33
12 to 13	33.33 to 45
	> 45

Postmine Slope Histogram

Postmine Slope Table

Slope Zone (percent)	Area (acres)	Percent of Total	Accumulated Percent (percent)
0	193.26	2.82	2.82
1	102.78	1.50	4.32
2	407.04	5.94	10.26
3	329.44	4.85	15.11
4	538.84	7.86	22.97
5	508.54	7.42	30.39
6	447.98	6.53	36.92
7	408.23	5.93	42.85
8	364.33	5.31	48.16
9	334.14	4.87	53.03
10	297.23	4.34	57.37
11	293.93	4.35	61.72
12	230.43	3.38	65.10
13	219.45	3.20	68.30
14	200.49	2.92	71.22
15	186.53	2.72	73.94
16	163.37	2.38	76.32
17	153.97	2.25	78.57
18	133.63	1.95	80.52
19	119.96	1.75	82.27
20	104.37	1.52	83.79
21	97.75	1.43	85.22
22	85.78	1.25	86.47
23	75.39	1.10	87.57
24	67.34	0.99	88.56
25	63.84	0.94	89.50
33	329.85	4.82	94.32
45	159.33	2.32	96.64
>45	75.17	1.08	100.00

Average Slope: 10.5%
Minimum Slope: 0.00%
Maximum Slope: 133.4%

Postmine Slope Aspect Distribution

DATE	REVISION
4/7/11	Application 183
5/2/13	MR 206 IBC
10/2/20	MR232 IBC
	Major Permit Rev.

DESIGN: [Signature] DATE: 05/14/14 SHEET: 1 OF 1

SCALE: 1" = 1000' CONTOUR INTERVAL: 10' FILE NUMBER: 313-Addendum D-Postmine Slope Assessment

CLOUD PEAK ENERGY

313 ADDENDUM D, PLATE 2
POSTMINE TOPOGRAPHIC
SLOPE ASSESSMENT

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