

**TABLE 2-5
EXHIBIT 314B - OTTER CREEK MINE
GROUNDWATER MONITORING SITES AND SCHEDULE**

Station	Northing NAD83 StPlane ft	Easting NAD83 StPlane ft	MP Elevation ft	Ground Elevation ft	Aquifer	Water Level Measurement Frequency	Laboratory Water Quality Sampling Frequency	Field Parameter Sampling Frequency	WQ Parameters Suite	Purpose	Comments
A1	475,751	2,820,589	3034.93	3033.71	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	Otter Creek - downgradient
A3	449,796	2,828,378	3106.66	3104.93	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	Otter Creek
A4	451,653	2,836,779	3173.59	3171.91	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	Tenmile Creek
A5	477,695	2,836,255	3136.84	3134.77	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	Threemile Creek
A6	467,962	2,823,051	3054.01	3051.71	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	Otter Creek
A7	459,252	2,825,660	3080.94	3079.33	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	Otter Creek
A8	478,461	2,818,977	3025.61	3022.13	ALLUVIUM	Quarterly ⁽²⁾	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	Otter Creek - downgradient, near permit boundary
A9	504771.35	2799819.15	2939.75	2937.84	ALLUVIUM	Quarterly ⁽²⁾	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	Otter Creek - downgradient near Ashland
AVF 1-2	492,761	2,809,578	2978.39	2977.02	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	AVF3 X-section - Otter Crk
AVF 2-2	485,148	2,814,119	3005.36	3003.15	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	AVF-2 X-section - Otter Crk
AVF 3-2	470,044	2,823,460	3052.64	3051.16	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	AVF -3 X-section - Otter Crk
AVF 6-3	477,472	2,822,620	3038.58	3036.94	ALLUVIUM	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in alluvium	AVF -6 X-section - Threemile Crk
B2-O	483,992	2,804,338	3271.40	3269.76	OVERBURDEN	Annual - fall	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in overburden	West of Otter Creek, north of Tract 3
B2-K	483,992	2,804,348	3270.91	3269.35	KNOBLOCH	Annual - fall	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	West of Otter Creek, north of Tract 3
B2-U	483,993	2,804,357	3271.06	3269.55	UNDERBURDEN	Annual - fall	None ⁽²⁾	None ⁽²⁾	Groundwater Suite	monitor water levels in underburden	West of Otter Creek, north of Tract 3
B3-K	484,882	2,821,621	3223.06	3221.53	KNOBLOCH	Annual - fall	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	Tract 1
B3-U	484,872	2,821,620	3222.33	3221.32	UNDERBURDEN	Annual - fall	Annual - fall	Annual - fall	Groundwater Suite	monitor water levels and quality in underburden	Tract 1
B4-O	488,340	2,828,628	3243.09	3241.63	OVERBURDEN	Annual - fall	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in overburden	Tract 1
B4-K	488,338	2,828,613	3242.71	3241.41	KNOBLOCH	Annual - fall	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	Tract 1
B4-U	488,335	2,828,598	3243.06	3241.51	UNDERBURDEN	Annual - fall	Annual - fall	Annual - fall	Groundwater Suite	monitor water levels and quality in underburden	Tract 1
B5-O	474,962	2,826,808	3226.21	3224.64	OVERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in overburden	Mine area
B5-K	474,964	2,826,832	3225.51	3223.85	KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	Mine area
B5-U	474,964	2,826,820	3225.64	3224.17	UNDERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor water levels and quality in underburden	Mine area
B6-O	474,205	2,834,703	3235.27	3233.75	OVERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in overburden	Mine area
B6-K	474,230	2,834,696	3234.96	3232.90	KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	Mine area

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Station	Northing NAD83 StPlane ft	Easting NAD83 StPlane ft	MP Elevation ft	Ground Elevation ft	Aquifer	Water Level Measurement Frequency	Laboratory Water Quality Sampling Frequency	Field Parameter Sampling Frequency	WQ Parameters Suite	Purpose	Comments
B6-U	474,219	2,834,699	3235.24	3233.22	UNDERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor water levels and quality in underburden	Mine area
B7-O	456,309	2,835,499	3338.31	3336.86	OVERBURDEN	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in overburden	Upgradient of mine area
B7-KU	456,296	2,835,498	3337.90	3336.44	UPPER KNOBLOCH	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	Upgradient of mine area
B7-KL	456,283	2,835,495	3337.57	3336.06	LOWER KNOBLOCH	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	Upgradient of mine area
B7-U	456,269	2,835,492	3336.73	3335.28	UNDERBURDEN	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor water levels and quality in underburden	Upgradient of mine area
B8-O	463,636	2,813,752	3225.30	3223.82	OVERBURDEN	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in overburden	West of Otter Crk, Tract 2
B8-KU	463,633	2,813,740	3225.15	3223.79	UPPER KNOBLOCH	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	West of Otter Crk, Tract 2
B8-KL	463,623	2,813,713	3225.46	3223.85	LOWER KNOBLOCH	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	West of Otter Crk, Tract 2
B8-U	463,627	2,813,726	3225.22	3223.87	UNDERBURDEN	Quarterly	None ⁽²⁾	None ⁽²⁾	Groundwater Suite	monitor water levels and quality in underburden	West of Otter Crk, Tract 2
B9-K	471,769	2,817,517	3136.32	3135.00	KNOBLOCH	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	West of Otter Crk, Tract 2
B9-U	471,759	2,817,524	3136.14	3134.60	UNDERBURDEN	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor water levels and quality in underburden	West of Otter Crk, Tract 2
B10-O	447,907	2,822,243	3179.56	3177.80	OVERBURDEN	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in overburden	West of Otter Crk, south of Tract 3
B10-KU	447,897	2,822,244	3179.52	3177.98	UPPER KNOBLOCH	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	West of Otter Crk, south of Tract 3
B10-KL	447,885	2,822,244	3179.51	3177.85	LOWER KNOBLOCH	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in Knobloch Coal	West of Otter Crk, south of Tract 3
B10-U	447,920	2,822,245	3179.20	3177.64	UNDERBURDEN	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor water levels and quality in underburden	West of Otter Crk, south of Tract 3
B11-O	467,903	2,829,526	3252.10	3250.54	OVERBURDEN	Quarterly	Annual - fall	Annual - fall	Groundwater Suite	monitor levels and quality in overburden	Mine area
B11-K	467,914	2,829,530	3251.17	3250.18	KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	Mine area
B11-U	467,928	2,829,534	3251.09	3249.71	UNDERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor water levels and quality in underburden	Mine area
B12-CO	454435.24	2842000.11	3259.90	3258.54	OVERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in overburden	Colluvial overburden; USFS
B12-UK1	454404.33	2842004.87	3260.14	3258.46	KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	USFS
B12-UK2	454420.52	2842002.88	3259.67	3258.42	KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	USFS
B12-LK	454392.04	2842006.76	3259.92	3258.75	KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	USFS
B12-U	454380.75	2842009.07	3260.23	3258.84	UNDERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor water levels and quality in underburden	USFS
B14-O ⁽¹⁾					OVERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in overburden	USFS
B14-K ⁽¹⁾					KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	USFS
B14-U ⁽¹⁾					UNDERBURDEN	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor water levels and quality in underburden	USFS
C-1	485,805	2,820,987	3176.48	3174.78	CLINKER	Quarterly	Quarterly	Quarterly	Groundwater Suite	measure water levels and quality in clinker	Tract 1

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C-2	476,059	2,818,546	3067.36	3065.54	CLINKER	Quarterly	Quarterly	Quarterly	Groundwater Suite	measure water levels and quality in clinker	West of Otter Creek
C-3	474,645	2,823,620	3130.29	3128.47	CLINKER	Quarterly	Quarterly	Quarterly	Groundwater Suite	measure water levels and quality in clinker	Between Mine and Otter Creek
C-4	469,778	2,824,995	3108.81	3107.42	CLINKER	Quarterly	Quarterly	Quarterly	Groundwater Suite	measure water levels and quality in clinker	Between Mine and Otter Creek
K-1	467,480	2,825,491	3119.03	3117.44	KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	Between Mine and Otter Creek
K-2	460,976	2,828,133	3138.91	3137.40	LOWER KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	Mine area
K-3	459,323	2,827,590	3129.66	3127.83	UPPER KNOBLOCH	Quarterly	None	None	Groundwater Suite	monitor levels in Knobloch Coal	Between Mine and Otter Creek
K-4	459,331	2,827,583	3129.48	3127.76	LOWER KNOBLOCH	Quarterly	None	None	Groundwater Suite	monitor levels in Knobloch Coal	Between Mine and Otter Creek
K-5	469,708	2,825,301	3147.98	3146.44	KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	Between Mine and Otter Creek
K-6	460,962	2,828,130	3140.45	3137.97	UPPER KNOBLOCH	Quarterly	Semi-annually	Semi-annually	Groundwater Suite	monitor levels and quality in Knobloch Coal	Mine area