

OTTER CREEK MINE, PERMIT ID: C2012018 Exhibit 314C Appendix B  
 Groundwater Flow Model Development, Calibration, and Mine Dewatering Simulation

Table 3-3. Layer 1 Zone Parameters

Parameter Zone #	Representative Lithology	K ft/day	Kh/Kv ---	Ss ft <sup>-1</sup>	Sy --
1	Alluvium	30	2.5	0.00092	0.2
2	Coal	2.4	10	2.30E-06	0.05
3	Coal	3	10	2.30E-06	0.05
4	Alluvium	40	2.5	0.00092	0.2
5	Coal	3	10	2.30E-06	0.05
6	Coal	90	10	0.00092	0.22
7	Alluvium	30	2.5	0.00092	0.2
8	Alluvium	200	2.5	0.00092	0.22
9	Coal	1.5	10	2.30E-06	0.05
10	Coal	3	10	2.30E-06	0.05
11	Clinker	1000	10	0.006	0.25
12	Alluvium/Coal	20	10	0.000013	0.12
13	Coal	4.75	10	2.30E-06	0.05
14	Alluvium	200	2.5	0.00092	0.22
15	Clinker	1000	10	0.006	0.25
16	Alluvium	125	2.5	0.00092	0.22
17	Alluvium	200	2.5	0.00092	0.22
18	Clinker	1500	10	0.006	0.25
19	Alluvium	250	2.5	0.00092	0.22
20	Alluvium	200	2.5	0.00092	0.22
21	Coal	10	10	2.30E-06	0.05
22	Coal	10	10	2.30E-06	0.05
23	Coal	10	10	2.30E-06	0.05
24	Alluvium	250	2.5	0.00092	0.22
25	Clinker	1200	10	0.006	0.25
26	Alluvium	125	2.5	0.00092	0.22
27	Alluvium	125	2.5	0.00092	0.22
28	Clinker	1000	2.5	0.006	0.25
29	Coal	1	10	2.30E-06	0.05
30	Coal	1.85	10	2.30E-06	0.05
31	Clinker	1000	10	0.006	0.25
32	Clinker	1000	10	0.006	0.25
33	Coal	1.85	10	2.30E-06	0.05
34	Alluvium	200	2.5	0.00092	0.22
35	Coal	0.5	10	2.30E-06	0.05
36	Coal	1	10	2.30E-06	0.05
37	Coal	0.5	10	2.30E-06	0.05
38	Coal	1	10	2.30E-06	0.05
39	Alluvium	250	2.5	0.00092	0.22