

**TABLE 5-1
OTTER CREEK MINE (Tract 2) - EXHIBIT 314C - PROBABLE HYDROLOGIC CONSEQUENCES
SEEPS, SPRINGS AND IMPOUNDMENTS**

Seep / Spring Name or ID	GWIC ID	DNRC Water Right #	Owner of Record Name	Seep / Spring Location				Approx. Elevation (ft)	Inside Tr 2 Mine Area	Inside Permit Boundary	Present / Former Use	Potential Consequences	
				T	R	Section	¼/4						
SEEP / SPRING (Included in Surface Water Monitoring Network)													
Fortune Spring (ST11)	207254	42C 58731 00	USDA US Forest Service	4S	45E	24	SWSESE	3261	NO	NO	Stockwater	Will not be affected by Tract 2 mining. Runoff recharge area from upstream areas will also not be disturbed or affected by mining.	
Coal Creek Spring	7607	none	USDA US Forest Service	4S	46E	29	NWNWSW	3329	NO	NO	Stockwater & Wildlife	Will not be affected by Tract 2 mining. Runoff recharge area from upstream areas will also not be disturbed or affected by mining.	
SEEP / SPRINGS (Not included in Surface Water Monitoring Network)													
ST2	none	none	none	4S	45E	3	SESE		NO	YES	Stockwater	Site is stock tank fed by well. The aquifer source will not be disturbed or affected by minng.	
SSI-11-13	none	none	none	4S	45E	3	SESE		NO	YES		Site and principal aquifer source located along (from) Threemile Creek. The aquifer source will not be disturbed or affected by minng.	
SSI-11-18 (Stock Tank)	none	none	none	4S	45E	9	NWSW		NO	YES		Stock tank sources water from a well drilled to the Lance/Hell Creek Formation. No impact.	
SSI-11-14	none	none	none	4S	45E	11	SENE	3120	NO	YES		Site will potentially be affected by Tract 2 mining. Minor portion of runoff recharge area about 1/2-mile upstream of site may be disturbed or affected by mining.	
SSI-11-16	none	none	none	4S	45E	11	SESE	3150	YES	YES		Removed during mining.	
SSI-11-15	none	none	none	4S	45E	11	NESE	3160	YES	YES		Removed during mining.	
SSI-11-17	none	none	none	4S	45E	13	NENE	3220	YES	YES		Removed during mining.	
SSI-10-003	none	none	none	4S	45E	13	NENW	3240	YES	YES		Removed during mining.	
Spring on unnamed trib of Shorty Crk.	none	42C 27324 00	Great Northern Prop. Ltd. Prtnshp.	4S	45E	13	SESESE	3320	NO	YES		Stockwater	Site will not be affected by Tract 2 mining. Runoff recharge area from upstream areas will also not be disturbed or affected by mining.
SSI-11-211	none	none	none	4S	45E	14	NENW		YES	YES		Removed during mining.	
ST1	none	none	none	4S	45E	14	NWSE	3200	YES	YES	Stockwater & Wildlife	Removed during mining.	
SSI-10-002	none	none	none	4S	45E	15	C		NO	YES		Principal aquifer source located along (from) Otter Creek. The aquifer source will not be disturbed or affected by minng.	
SSI-11-20	none	none	none	4S	45E	15	NESW		NO	YES		Principal aquifer source located along (from) Otter Creek. The aquifer source will not be disturbed or affected by minng.	
SSI-11-19	none	none	none	4S	45E	15	CSE		NO	YES		Site will not be affected by Tract 2 mining. Majority of runoff recharge area about 1/8-mile upstream of site will be disturbed or affected by mining.	
SSI-11-212	none	none	none	4S	45E	25	NESE	3350	NO	YES		Site will not be affected by Tract 2 mining. Runoff recharge area from upstream areas will also not be disturbed or affected by mining.	
SSI-11-21	none	none	None	4S	45E	26	SWSW		NO	YES		Site will not be affected by Tract 2 mining. Water source for stockwater is likely from alluvial well in Otter Creek alluvium.	
SSI-11-21	none	none	None	4S	45E	26	SWSW		NO	YES		Site will not be affected by Tract 2 mining. Water source for stockwater is likely from alluvial well in Otter Creek alluvium.	
IMPOUNDMENTS (Included in Surface Water Monitoring Network)													
P1	none	42C 123214 00	Ark Land Company	4S	45E	11	SESW	3180	YES	YES	Stockwater	Removed during mining. A permanent pond is included in the reclamation plan for this drainage.	
P2	none	42C 22610 00	Great Northern Prop. Ltd. Prtnshp.	4S	45E	23	SWNE	3165	YES	YES	Stockwater	Removed during mining. A permanent pond is included in the reclamation plan for this drainage.	
P3	none	none	none	4S	45E	11	NENE	3120	YES	NO	Stockwater	Removed during mining. A permanent pond is included in the reclamation plan for this drainage.	
P4	none	42C 3906 00	Bryan M. Tarter	4S	45E	12	SWNWE	3144	YES	YES	Stockwater	Removed during mining. A permanent pond is included in the reclamation plan for this drainage.	
P5 (Shorty Creek Reservoir)	none	42C 587733 00	USDA US Forest Service	4S	46E	7	SESW	3245	NO	NO	Stockwater and Wildlife	Remain undisturbed and unimpacted throughout mining. Aquifer source(s) would remain undisturbed throughout mining and reclamation.	
P6 (Oteson Pond)	none	42C 180576	Ross, Faye and Robert Denson	5S	45E	1	NENE	3166	NO	NO	Stockwater and Wildlife	Will not be affected by Tract 2 mining. Runoff recharge area from upstream areas will also not be disturbed or affected by mining.	