**Table 1.** Existing surface disturbance for drainage basins within and adjacent to mining disturbance in the Spring Creek/Decker mine area. Existing disturbance totals (from 2010 Annual Mine reports) are given for Spring Creek, and East and West Decker mines for each drainage affected [(mi.2), and % of drainage area (%DA), based on premine drainages]. Nearby USGS sites on the Tongue River and side drainages on each side of the Tongue River Reservoir are listed in downstream order.

Drainage Basin	Drainage Area	Spring Cr Existing D		East & West Decker Mines Existing Disturbance		Total Mining Disturbance Spring Creek/Decker mine area	
	(mi. <sup>2</sup> )	(mi. <sup>2</sup> )	(%DA)	(mi. <sup>2</sup> )	(%DA)	(mi. <sup>2</sup> )	(%DA)
Tongue River at State Line nr Decker** (Decker site TR 09-77, ~2 mi. downstream at bridge)	1453	0	0	0	0	0	0
Drainages West of Tongue R. Reservoir							
Pond Creek	6.3	0.005	0.08	3.80	60	3.80	60
Pearson Creek	8.8	0.02	0	0.93	11	0.95	11
Spring Creek (**nearby USGS site 34.7 mi. <sup>2</sup> )	37.4	5.48	15	0.68	2	6.16	16
includes:							
Spring Creek mainstem (incl. NFk. SC)	23.1	3.10	13	0.15	1	3.25	14
South Fork Spring Creek	13.9	2.37	17	0.15	1	2.52	18
Spring Cr below S Fork	0.5	0.01	. 1	0.38	81	0.39	82
Monument Creek	13.2						
Interbasin Areas	13.6	0.28	2	3.22	24	3.50	26
Total (west of reservoir)	79.26	5.78	7	8.63	11	14.41	18
Drainages East of Tongue R. Reservoir							
Coal Creek	3.1			0.56	18	0.91	29
Middle Creek	6.8			0.96	14	1.49	22
Deer Creek (**nearby USGS site 47.7 mi. <sup>2</sup> )	55.5			0.66	1	1.04	2
Interbasin Areas	4.7			1.08	23	1.13	24
Total (east of reservoir)	70.1			3.26	5	4.57	7
Total (west and east of reservoir)	149.31	5.78	4	11.89	8	18.97	13
Tongue River at Tongue R Dam** (Decker site TR 10-78, shortly upstream)	1770	5.78	0			18.97	1

<sup>\*</sup> Disturbance totals include only coal mining disturbance in the Decker and Spring Creek mine areas.

<sup>\*\*</sup> USGS streamflow measurement sites.

**Table 2.** Cumulative life of mine (LOM) surface disturbance for drainage basins within and adjacent to existing and proposed mining disturbance in the Spring Creek/Decker mine area. LOM disturbance totals are given for Spring Creek, East and West Decker mines for each drainage affected [(mi.2), and % of drainage area (%DA), based on premine drainages]. Nearby USGS sites on the Tongue River and side drainages on each side of the Tongue River Reservoir are listed in downstream order.

Drainage Basin	Drainage Area Spring Creek Mine LOM Mining Disturbance		East & West Decker Mines LOM Mining Disturbance		Total Mining Disturbance Spring Creek/Decker mine area*		
	(mi. <sup>2</sup> )	(mi. <sup>2</sup> )	(%DA)	(mi. <sup>2</sup> )	(%DA)	(mi. <sup>2</sup> )	(%DA)
Tongue River at State Line nr Decker** (Decker site TR 09-77, ~2 mi. downstream at bridge)	1453	0	0	0	0	0	0
Drainages West of Tongue R. Reservoir							
Pond Creek	6.3	0.005	0.08	4.05	64	4.05	64
Pearson Creek	8.8	0.69	8	1.60	18	2.29	26
Spring Creek (**nearby USGS site 34.7 mi. <sup>2</sup> )	37.4	8.42	22	0.98	3	9.39	25
includes:							
Spring Creek mainstem (incl. NFk. SC)	23.1	4.53	20	0.29	1	4.82	21
South Fork Spring Creek	13.9	3.88	28	0.25	2	4.13	30
Spring Cr below S Fork	0.5	0.01	1	0.45	95	0.45	96
Monument Creek	13.2	0.02	0.2			0.02	0
Interbasin Areas	13.6	0.28	2	3.99	29	4.27	31
Total (west of reservoir)	79.26	9.41	12	10.62	13	20.03	25
Drainages East of Tongue R. Reservoir							
Coal Creek	3.1			0.91	29	0.91	29
Middle Creek	6.8			1.49	22	1.49	22
Deer Creek (**nearby USGS site 47.7 mi. <sup>2</sup> )	55.5			1.04	2	1.04	2
Interbasin Areas	4.7			1.13	24	1.13	24
Total (east of reservoir)	70.1			4.57	7	4.57	7
Total (west and east of reservoir)	149.31	9.41	6	15.19	10	24.60	16
Tongue River at Tongue R Dam** Decker site TR 10-78, shortly upstream)	1770	9.41	1			24.60	1

<sup>\*</sup> Disturbance totals include only coal mining disturbance in the Decker and Spring Creek mine areas.

<sup>\*\*</sup> USGS streamflow measurement sites.