

APPENDIX E

EXAMPLE OF DAILY SEDIMENT TMDLS, UPPER NEVADA CREEK

As described in **Section 9.1.8**, a current annual sediment load of 3,501 tons per year was estimated for upper Nevada Creek. This value is the sum of 1,826 tons from hillslope erosion, 1,635 tons from bank erosion, 29 tons from road surface erosion, and 11 tons from culvert failure. **Figure E-1** below illustrates the current and total maximum daily sediment loading for upper Nevada Creek.

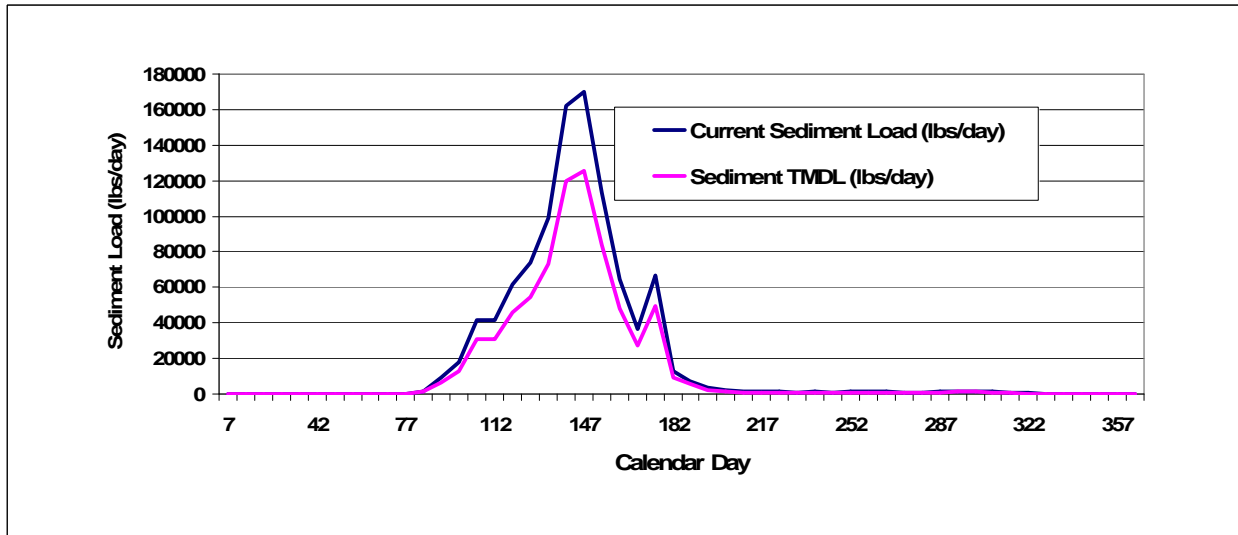


Figure E-1. Current and Maximum Daily Sediment Loading For Upper Nevada Creek

The sediment TMDL for upper Nevada Creek is 26% annual reduction in loading. The reduction is allocated to each of five land use categories in upper Nevada Creek as specified in **Table 9-7**. To satisfy the requirement for daily loads and allocations, the reduction in sediment loading needed each day is calculated for each of the five land use categories according to the values in **Table 9-7** for upper Nevada Creek. **Table E-1** below contains the daily sediment load reductions allocated to each land use category. **Table E-1** serves as an example of daily load reductions allocated to land uses. Daily sediment reduction allocations for other sediment impaired streams and land uses can be produced in a similar fashion. The upper Nevada Creek example is used here to demonstrate the daily allocation process while saving the material costs required for such a table for each of the remaining 30 sediment impaired streams.

Table E-2 contains example TMDLs and land use allocations for the remaining 30 sediment impaired stream segments. For each segment the TMDLs and allocations are given for mid-winter, peak runoff, and mid-summer dates.

Table E-1. Daily Allocation of Sediment Load Reductions for Upper Nevada Creek by Land Use Categories

Julian Day	Daily Load from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction Allocation for Livestock Grazing (lbs/day)	Daily Load Reduction Allocation for Hay Production (lbs/day)	Daily Load Reduction Allocation for Road Erosion (lbs/day)	Daily Load Reduction Allocation for Silviculture (lbs/day)	Daily Load Reduction Allocation for Placer Mining (lbs/day)
1	107	27.87	11.98	15.05	0.56	0.14	0.06
2	106	27.46	11.81	14.83	0.55	0.14	0.06
3	104	27.09	11.65	14.63	0.54	0.14	0.06
4	102	26.63	11.45	14.38	0.53	0.13	0.06
5	101	26.15	11.24	14.12	0.52	0.13	0.06
6	106	27.64	11.88	14.92	0.55	0.14	0.06
7	105	27.18	11.69	14.68	0.54	0.14	0.06
8	103	26.75	11.50	14.44	0.53	0.13	0.06
9	102	26.46	11.38	14.29	0.53	0.13	0.06
10	100	25.92	11.15	14.00	0.52	0.13	0.06
11	98	25.50	10.97	13.77	0.51	0.13	0.05
12	96	25.05	10.77	13.53	0.50	0.13	0.05
13	95	24.63	10.59	13.30	0.49	0.12	0.05
14	93	24.19	10.40	13.06	0.48	0.12	0.05
15	92	24.02	10.33	12.97	0.48	0.12	0.05
16	91	23.62	10.16	12.76	0.47	0.12	0.05
17	89	23.23	9.99	12.55	0.46	0.12	0.05
18	88	22.89	9.84	12.36	0.46	0.11	0.05
19	87	22.53	9.69	12.17	0.45	0.11	0.05
20	101	26.28	11.30	14.19	0.53	0.13	0.06
21	100	25.89	11.13	13.98	0.52	0.13	0.06
22	98	25.47	10.95	13.75	0.51	0.13	0.05
23	97	25.10	10.79	13.55	0.50	0.13	0.05
24	95	24.73	10.63	13.35	0.49	0.12	0.05
25	101	26.25	11.29	14.18	0.53	0.13	0.06
26	103	26.66	11.46	14.40	0.53	0.13	0.06
27	100	26.02	11.19	14.05	0.52	0.13	0.06
28	98	25.36	10.90	13.69	0.51	0.13	0.05
29	95	24.80	10.66	13.39	0.50	0.12	0.05
30	94	24.53	10.55	13.24	0.49	0.12	0.05
31	94	24.37	10.48	13.16	0.49	0.12	0.05
32	93	24.13	10.38	13.03	0.48	0.12	0.05
33	90	23.50	10.10	12.69	0.47	0.12	0.05
34	88	22.98	9.88	12.41	0.46	0.11	0.05
35	87	22.60	9.72	12.20	0.45	0.11	0.05
36	85	22.19	9.54	11.98	0.44	0.11	0.05
37	84	21.90	9.42	11.82	0.44	0.11	0.05
38	83	21.53	9.26	11.63	0.43	0.11	0.05
39	83	21.52	9.25	11.62	0.43	0.11	0.05
40	82	21.43	9.22	11.57	0.43	0.11	0.05
41	80	20.79	8.94	11.23	0.42	0.10	0.04

Table E-1. Daily Allocation of Sediment Load Reductions for Upper Nevada Creek by Land Use Categories

Julian Day	Daily Load from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction Allocation for Livestock Grazing (lbs/day)	Daily Load Reduction Allocation for Hay Production (lbs/day)	Daily Load Reduction Allocation for Road Erosion (lbs/day)	Daily Load Reduction Allocation for Silviculture (lbs/day)	Daily Load Reduction Allocation for Placer Mining (lbs/day)
42	86	22.33	9.60	12.06	0.45	0.11	0.05
43	84	21.92	9.43	11.84	0.44	0.11	0.05
44	83	21.59	9.28	11.66	0.43	0.11	0.05
45	82	21.24	9.13	11.47	0.42	0.11	0.05
46	80	20.91	8.99	11.29	0.42	0.10	0.04
47	79	20.58	8.85	11.11	0.41	0.10	0.04
48	78	20.29	8.73	10.96	0.41	0.10	0.04
49	77	19.97	8.59	10.78	0.40	0.10	0.04
50	76	19.67	8.46	10.62	0.39	0.10	0.04
51	75	19.40	8.34	10.48	0.39	0.10	0.04
52	73	19.09	8.21	10.31	0.38	0.10	0.04
53	72	18.60	8.00	10.04	0.37	0.09	0.04
54	75	19.52	8.39	10.54	0.39	0.10	0.04
55	77	19.98	8.59	10.79	0.40	0.10	0.04
56	68	17.81	7.66	9.62	0.36	0.09	0.04
57	75	19.60	8.43	10.59	0.39	0.10	0.04
58	78	20.19	8.68	10.90	0.40	0.10	0.04
59	80	20.76	8.93	11.21	0.42	0.10	0.04
60	70	18.22	7.83	9.84	0.36	0.09	0.04
61	66	17.13	7.37	9.25	0.34	0.09	0.04
62	64	16.77	7.21	9.05	0.34	0.08	0.04
63	70	18.29	7.86	9.88	0.37	0.09	0.04
64	69	17.84	7.67	9.64	0.36	0.09	0.04
65	75	19.49	8.38	10.52	0.39	0.10	0.04
66	74	19.23	8.27	10.39	0.38	0.10	0.04
67	73	19.04	8.19	10.28	0.38	0.10	0.04
68	72	18.79	8.08	10.14	0.38	0.09	0.04
69	71	18.40	7.91	9.94	0.37	0.09	0.04
70	73	19.00	8.17	10.26	0.38	0.09	0.04
71	72	18.83	8.10	10.17	0.38	0.09	0.04
72	69	17.98	7.73	9.71	0.36	0.09	0.04
73	71	18.45	7.93	9.96	0.37	0.09	0.04
74	68	17.78	7.64	9.60	0.36	0.09	0.04
75	69	17.95	7.72	9.69	0.36	0.09	0.04
76	71	18.46	7.94	9.97	0.37	0.09	0.04
77	72	18.62	8.01	10.06	0.37	0.09	0.04
78	85	21.98	9.45	11.87	0.44	0.11	0.05
79	84	21.86	9.40	11.80	0.44	0.11	0.05
80	91	23.79	10.23	12.84	0.48	0.12	0.05
81	1114	289.73	124.58	156.45	5.79	1.45	0.62
82	6631	1723.98	741.31	930.95	34.48	8.62	3.71
83	1591	413.67	177.88	223.38	8.27	2.07	0.89

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Julian Day	Daily Load from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction Allocation for Livestock Grazing (lbs/day)	Daily Load Reduction Allocation for Hay Production (lbs/day)	Daily Load Reduction Allocation for Road Erosion (lbs/day)	Daily Load Reduction Allocation for Silviculture (lbs/day)	Daily Load Reduction Allocation for Placer Mining (lbs/day)
84	1665	433.01	186.19	233.82	8.66	2.17	0.93
85	6424	1670.37	718.26	902.00	33.41	8.35	3.59
86	1832	476.35	204.83	257.23	9.53	2.38	1.02
87	2775	721.61	310.29	389.67	14.43	3.61	1.55
88	1179	306.64	131.85	165.58	6.13	1.53	0.66
89	631	164.03	70.53	88.58	3.28	0.82	0.35
90	9242	2403.04	1033.31	1297.64	48.06	12.02	5.17
91	41028	10667.32	4586.95	5760.35	213.35	53.34	22.93
92	64524	16776.14	7213.74	9059.12	335.52	83.88	36.07
93	13709	3564.32	1532.66	1924.73	71.29	17.82	7.66
94	6261	1627.90	700.00	879.07	32.56	8.14	3.50
95	4236	1101.44	473.62	594.78	22.03	5.51	2.37
96	4024	1046.15	449.84	564.92	20.92	5.23	2.25
97	3993	1038.05	446.36	560.55	20.76	5.19	2.23
98	26939	7004.19	3011.80	3782.27	140.08	35.02	15.06
99	14015	3644.00	1566.92	1967.76	72.88	18.22	7.83
100	14568	3787.58	1628.66	2045.29	75.75	18.94	8.14
101	27645	7187.72	3090.72	3881.37	143.75	35.94	15.45
102	34060	8855.63	3807.92	4782.04	177.11	44.28	19.04
103	70290	18275.27	7858.37	9868.65	365.51	91.38	39.29
104	98883	25709.60	11055.13	13883.18	514.19	128.55	55.28
105	30913	8037.31	3456.04	4340.15	160.75	40.19	17.28
106	21889	5691.02	2447.14	3073.15	113.82	28.46	12.24
107	17721	4607.52	1981.23	2488.06	92.15	23.04	9.91
108	30005	7801.42	3354.61	4212.77	156.03	39.01	16.77
109	39638	10305.81	4431.50	5565.14	206.12	51.53	22.16
110	31690	8239.45	3542.96	4449.30	164.79	41.20	17.71
111	33318	8662.72	3724.97	4677.87	173.25	43.31	18.62
112	118414	30787.62	13238.68	16625.32	615.75	153.94	66.19
113	96785	25164.18	10820.60	13588.66	503.28	125.82	54.10
114	50824	13214.31	5682.15	7135.73	264.29	66.07	28.41
115	40629	10563.57	4542.33	5704.33	211.27	52.82	22.71
116	32258	8387.13	3606.46	4529.05	167.74	41.94	18.03
117	71250	18524.98	7965.74	10003.49	370.50	92.62	39.83
118	102533	26658.49	11463.15	14395.58	533.17	133.29	57.32
119	38278	9952.22	4279.45	5374.20	199.04	49.76	21.40
120	32200	8372.06	3599.99	4520.91	167.44	41.86	18.00
121	168075	43699.60	18790.83	23597.78	873.99	218.50	93.95
122	59491	15467.53	6651.04	8352.47	309.35	77.34	33.26
123	62946	16366.02	7037.39	8837.65	327.32	81.83	35.19
124	65624	17062.33	7336.80	9213.66	341.25	85.31	36.68
125	58173	15125.08	6503.79	8167.54	302.50	75.63	32.52

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Julian Day	Daily Load from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction Allocation for Livestock Grazing (lbs/day)	Daily Load Reduction Allocation for Hay Production (lbs/day)	Daily Load Reduction Allocation for Road Erosion (lbs/day)	Daily Load Reduction Allocation for Silviculture (lbs/day)	Daily Load Reduction Allocation for Placer Mining (lbs/day)
126	72427	18831.05	8097.35	10168.77	376.62	94.16	40.49
127	52640	13686.41	5885.16	7390.66	273.73	68.43	29.43
128	62917	16358.34	7034.09	8833.50	327.17	81.79	35.17
129	71173	18504.89	7957.10	9992.64	370.10	92.52	39.79
130	91725	23848.60	10254.90	12878.25	476.97	119.24	51.27
131	90164	23442.55	10080.30	12658.98	468.85	117.21	50.40
132	97566	25367.14	10907.87	13698.26	507.34	126.84	54.54
133	224481	58365.13	25097.01	31517.17	1167.30	291.83	125.49
134	204006	53041.67	22807.92	28642.50	1060.83	265.21	114.04
135	146198	38011.40	16344.90	20526.16	760.23	190.06	81.72
136	150236	39061.25	16796.34	21093.08	781.23	195.31	83.98
137	161461	41979.92	18051.37	22669.16	839.60	209.90	90.26
138	135365	35194.93	15133.82	19005.26	703.90	175.97	75.67
139	112805	29329.28	12611.59	15837.81	586.59	146.65	63.06
140	110214	28655.64	12321.92	15474.04	573.11	143.28	61.61
141	155020	40305.27	17331.27	21764.85	806.11	201.53	86.66
142	211202	54912.48	23612.37	29652.74	1098.25	274.56	118.06
143	161467	41981.45	18052.02	22669.98	839.63	209.91	90.26
144	217446	56536.04	24310.50	30529.46	1130.72	282.68	121.55
145	190344	49489.50	21280.48	26724.33	989.79	247.45	106.40
146	141638	36825.95	15835.16	19886.01	736.52	184.13	79.18
147	122648	31888.54	13712.07	17219.81	637.77	159.44	68.56
148	116764	30358.56	13054.18	16393.63	607.17	151.79	65.27
149	124800	32447.96	13952.62	17521.90	648.96	162.24	69.76
150	115111	29928.75	12869.36	16161.52	598.57	149.64	64.35
151	115049	29912.65	12862.44	16152.83	598.25	149.56	64.31
152	97194	25270.39	10866.27	13646.01	505.41	126.35	54.33
153	90979	23654.41	10171.40	12773.38	473.09	118.27	50.86
154	130891	34031.59	14633.58	18377.06	680.63	170.16	73.17
155	85909	22336.21	9604.57	12061.56	446.72	111.68	48.02
156	79545	20681.79	8893.17	11168.17	413.64	103.41	44.47
157	70573	18348.97	7890.06	9908.44	366.98	91.74	39.45
158	60216	15656.25	6732.19	8454.38	313.13	78.28	33.66
159	54143	14077.29	6053.24	7601.74	281.55	70.39	30.27
160	51973	13513.07	5810.62	7297.06	270.26	67.57	29.05
161	48914	12717.58	5468.56	6867.49	254.35	63.59	27.34
162	38971	10132.35	4356.91	5471.47	202.65	50.66	21.78
163	40383	10499.70	4514.87	5669.84	209.99	52.50	22.57
164	39481	10265.02	4413.96	5543.11	205.30	51.33	22.07
165	38234	9940.84	4274.56	5368.05	198.82	49.70	21.37
166	34976	9093.73	3910.30	4910.61	181.87	45.47	19.55
167	37020	9625.16	4138.82	5197.58	192.50	48.13	20.69

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168	31561	8205.89	3528.53	4431.18	164.12	41.03	17.64
169	33945	8825.78	3795.08	4765.92	176.52	44.13	18.98
170	198463	51600.36	22188.15	27864.19	1032.01	258.00	110.94
171	94942	24684.90	10614.51	13329.85	493.70	123.42	53.07
172	50929	13241.46	5693.83	7150.39	264.83	66.21	28.47
173	39051	10153.27	4365.90	5482.76	203.07	50.77	21.83
174	32853	8541.67	3672.92	4612.50	170.83	42.71	18.36
175	26815	6971.88	2997.91	3764.82	139.44	34.86	14.99
176	22993	5978.21	2570.63	3228.24	119.56	29.89	12.85
177	19170	4984.11	2143.17	2691.42	99.68	24.92	10.72
178	18544	4821.37	2073.19	2603.54	96.43	24.11	10.37
179	15763	4098.34	1762.28	2213.10	81.97	20.49	8.81
180	13554	3523.96	1515.30	1902.94	70.48	17.62	7.58
181	11645	3027.69	1301.91	1634.95	60.55	15.14	6.51
182	10063	2616.36	1125.03	1412.83	52.33	13.08	5.63
183	9293	2416.27	1038.99	1304.78	48.33	12.08	5.19
184	11733	3050.49	1311.71	1647.26	61.01	15.25	6.56
185	10912	2837.01	1219.91	1531.99	56.74	14.19	6.10
186	9428	2451.17	1054.00	1323.63	49.02	12.26	5.27
187	7946	2065.95	888.36	1115.61	41.32	10.33	4.44
188	7435	1932.99	831.19	1043.82	38.66	9.66	4.16
189	5748	1494.57	642.67	807.07	29.89	7.47	3.21
190	5362	1394.12	599.47	752.83	27.88	6.97	3.00
191	4931	1282.09	551.30	692.33	25.64	6.41	2.76
192	4472	1162.65	499.94	627.83	23.25	5.81	2.50
193	3845	999.58	429.82	539.77	19.99	5.00	2.15
194	3477	904.02	388.73	488.17	18.08	4.52	1.94
195	2918	758.80	326.28	409.75	15.18	3.79	1.63
196	3170	824.25	354.43	445.09	16.48	4.12	1.77
197	2896	752.91	323.75	406.57	15.06	3.76	1.62
198	2700	701.90	301.82	379.03	14.04	3.51	1.51
199	2268	589.77	253.60	318.48	11.80	2.95	1.27
200	2467	641.34	275.78	346.32	12.83	3.21	1.38
201	2194	570.37	245.26	308.00	11.41	2.85	1.23
202	2010	522.54	224.69	282.17	10.45	2.61	1.12
203	1860	483.65	207.97	261.17	9.67	2.42	1.04
204	1952	507.46	218.21	274.03	10.15	2.54	1.09
205	1733	450.49	193.71	243.27	9.01	2.25	0.97
206	1476	383.71	164.99	207.20	7.67	1.92	0.82
207	1450	376.99	162.10	203.57	7.54	1.88	0.81
208	1320	343.15	147.55	185.30	6.86	1.72	0.74
209	1420	369.11	158.72	199.32	7.38	1.85	0.79

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210	1201	312.22	134.25	168.60	6.24	1.56	0.67
211	1198	311.40	133.90	168.16	6.23	1.56	0.67
212	1231	320.13	137.65	172.87	6.40	1.60	0.69
213	1199	311.61	133.99	168.27	6.23	1.56	0.67
214	1228	319.21	137.26	172.37	6.38	1.60	0.69
215	1254	326.09	140.22	176.09	6.52	1.63	0.70
216	1187	308.52	132.66	166.60	6.17	1.54	0.66
217	1264	328.72	141.35	177.51	6.57	1.64	0.71
218	1189	309.12	132.92	166.92	6.18	1.55	0.66
219	1377	358.09	153.98	193.37	7.16	1.79	0.77
220	1483	385.68	165.84	208.27	7.71	1.93	0.83
221	1391	361.66	155.51	195.30	7.23	1.81	0.78
222	1286	334.46	143.82	180.61	6.69	1.67	0.72
223	1149	298.64	128.42	161.27	5.97	1.49	0.64
224	1614	419.52	180.39	226.54	8.39	2.10	0.90
225	1311	340.79	146.54	184.03	6.82	1.70	0.73
226	1150	298.94	128.55	161.43	5.98	1.49	0.64
227	1050	272.91	117.35	147.37	5.46	1.36	0.59
228	957	248.72	106.95	134.31	4.97	1.24	0.53
229	1037	269.54	115.90	145.55	5.39	1.35	0.58
230	927	241.15	103.69	130.22	4.82	1.21	0.52
231	905	235.24	101.15	127.03	4.70	1.18	0.51
232	864	224.56	96.56	121.26	4.49	1.12	0.48
233	842	218.86	94.11	118.19	4.38	1.09	0.47
234	870	226.30	97.31	122.20	4.53	1.13	0.49
235	1304	339.01	145.77	183.07	6.78	1.70	0.73
236	1490	387.37	166.57	209.18	7.75	1.94	0.83
237	1557	404.89	174.10	218.64	8.10	2.02	0.87
238	1491	387.64	166.68	209.32	7.75	1.94	0.83
239	1312	341.25	146.74	184.27	6.82	1.71	0.73
240	1301	338.29	145.47	182.68	6.77	1.69	0.73
241	1132	294.40	126.59	158.97	5.89	1.47	0.63
242	1152	299.48	128.77	161.72	5.99	1.50	0.64
243	1052	273.40	117.56	147.64	5.47	1.37	0.59
244	1014	263.54	113.32	142.31	5.27	1.32	0.57
245	953	247.79	106.55	133.80	4.96	1.24	0.53
246	952	247.52	106.43	133.66	4.95	1.24	0.53
247	981	255.02	109.66	137.71	5.10	1.28	0.55
248	1147	298.12	128.19	160.98	5.96	1.49	0.64
249	1374	357.29	153.63	192.94	7.15	1.79	0.77
250	1443	375.19	161.33	202.60	7.50	1.88	0.81
251	1443	375.25	161.36	202.64	7.51	1.88	0.81

Table E-1. Daily Allocation of Sediment Load Reductions for Upper Nevada Creek by Land Use Categories

Julian Day	Daily Load from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction Allocation for Livestock Grazing (lbs/day)	Daily Load Reduction Allocation for Hay Production (lbs/day)	Daily Load Reduction Allocation for Road Erosion (lbs/day)	Daily Load Reduction Allocation for Silviculture (lbs/day)	Daily Load Reduction Allocation for Placer Mining (lbs/day)
252	1336	347.31	149.34	187.55	6.95	1.74	0.75
253	1284	333.74	143.51	180.22	6.67	1.67	0.72
254	1391	361.68	155.52	195.31	7.23	1.81	0.78
255	1573	408.86	175.81	220.79	8.18	2.04	0.88
256	1669	433.87	186.56	234.29	8.68	2.17	0.93
257	1561	405.77	174.48	219.12	8.12	2.03	0.87
258	1377	358.09	153.98	193.37	7.16	1.79	0.77
259	1384	359.88	154.75	194.34	7.20	1.80	0.77
260	1286	334.31	143.75	180.53	6.69	1.67	0.72
261	1249	324.75	139.64	175.36	6.49	1.62	0.70
262	1229	319.66	137.45	172.62	6.39	1.60	0.69
263	1465	380.92	163.80	205.70	7.62	1.90	0.82
264	1518	394.66	169.70	213.12	7.89	1.97	0.85
265	1404	365.16	157.02	197.19	7.30	1.83	0.79
266	1302	338.54	145.57	182.81	6.77	1.69	0.73
267	1105	287.33	123.55	155.16	5.75	1.44	0.62
268	1017	264.44	113.71	142.80	5.29	1.32	0.57
269	1065	276.88	119.06	149.52	5.54	1.38	0.60
270	963	250.45	107.69	135.24	5.01	1.25	0.54
271	978	254.33	109.36	137.34	5.09	1.27	0.55
272	920	239.24	102.87	129.19	4.78	1.20	0.51
273	807	209.79	90.21	113.28	4.20	1.05	0.45
274	1300	338.02	145.35	182.53	6.76	1.69	0.73
275	1376	357.78	153.85	193.20	7.16	1.79	0.77
276	1337	347.61	149.47	187.71	6.95	1.74	0.75
277	1227	319.07	137.20	172.30	6.38	1.60	0.69
278	1056	274.59	118.08	148.28	5.49	1.37	0.59
279	987	256.71	110.39	138.62	5.13	1.28	0.55
280	961	249.79	107.41	134.89	5.00	1.25	0.54
281	874	227.37	97.77	122.78	4.55	1.14	0.49
282	877	228.05	98.06	123.15	4.56	1.14	0.49
283	811	210.93	90.70	113.90	4.22	1.05	0.45
284	920	239.13	102.83	129.13	4.78	1.20	0.51
285	1127	293.13	126.05	158.29	5.86	1.47	0.63
286	1495	388.68	167.13	209.89	7.77	1.94	0.84
287	1612	419.17	180.24	226.35	8.38	2.10	0.90
288	1472	382.68	164.55	206.65	7.65	1.91	0.82
289	1668	433.72	186.50	234.21	8.67	2.17	0.93
290	1622	421.71	181.33	227.72	8.43	2.11	0.91
291	1530	397.74	171.03	214.78	7.95	1.99	0.86
292	1655	430.42	185.08	232.43	8.61	2.15	0.93
293	1582	411.19	176.81	222.04	8.22	2.06	0.88

Table E-1. Daily Allocation of Sediment Load Reductions for Upper Nevada Creek by Land Use Categories

Julian Day	Daily Load from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction Allocation for Livestock Grazing (lbs/day)	Daily Load Reduction Allocation for Hay Production (lbs/day)	Daily Load Reduction Allocation for Road Erosion (lbs/day)	Daily Load Reduction Allocation for Silviculture (lbs/day)	Daily Load Reduction Allocation for Placer Mining (lbs/day)
294	1611	418.82	180.09	226.16	8.38	2.09	0.90
295	1789	465.12	200.00	251.17	9.30	2.33	1.00
296	1645	427.78	183.95	231.00	8.56	2.14	0.92
297	1381	359.15	154.44	193.94	7.18	1.80	0.77
298	1399	363.87	156.46	196.49	7.28	1.82	0.78
299	1268	329.63	141.74	178.00	6.59	1.65	0.71
300	1244	323.50	139.11	174.69	6.47	1.62	0.70
301	1613	419.33	180.31	226.44	8.39	2.10	0.90
302	1781	463.14	199.15	250.09	9.26	2.32	1.00
303	1850	480.94	206.80	259.71	9.62	2.40	1.03
304	1909	496.35	213.43	268.03	9.93	2.48	1.07
305	1555	404.38	173.88	218.36	8.09	2.02	0.87
306	1424	370.18	159.18	199.90	7.40	1.85	0.80
307	1321	343.42	147.67	185.45	6.87	1.72	0.74
308	1216	316.08	135.91	170.68	6.32	1.58	0.68
309	997	259.28	111.49	140.01	5.19	1.30	0.56
310	1060	275.48	118.46	148.76	5.51	1.38	0.59
311	918	238.63	102.61	128.86	4.77	1.19	0.51
312	831	216.02	92.89	116.65	4.32	1.08	0.46
313	707	183.69	78.99	99.19	3.67	0.92	0.39
314	714	185.74	79.87	100.30	3.71	0.93	0.40
315	655	170.23	73.20	91.93	3.40	0.85	0.37
316	587	152.64	65.64	82.43	3.05	0.76	0.33
317	508	132.05	56.78	71.31	2.64	0.66	0.28
318	474	123.11	52.94	66.48	2.46	0.62	0.26
319	456	118.66	51.02	64.07	2.37	0.59	0.26
320	420	109.24	46.97	58.99	2.18	0.55	0.23
321	407	105.71	45.46	57.08	2.11	0.53	0.23
322	366	95.27	40.96	51.44	1.91	0.48	0.20
323	330	85.78	36.88	46.32	1.72	0.43	0.18
324	300	77.94	33.51	42.09	1.56	0.39	0.17
325	301	78.35	33.69	42.31	1.57	0.39	0.17
326	282	73.20	31.48	39.53	1.46	0.37	0.16
327	322	83.76	36.01	45.23	1.68	0.42	0.18
328	372	96.60	41.54	52.16	1.93	0.48	0.21
329	318	82.63	35.53	44.62	1.65	0.41	0.18
330	305	79.37	34.13	42.86	1.59	0.40	0.17
331	269	69.95	30.08	37.77	1.40	0.35	0.15
332	271	70.49	30.31	38.07	1.41	0.35	0.15
333	248	64.40	27.69	34.78	1.29	0.32	0.14
334	230	59.74	25.69	32.26	1.19	0.30	0.13
335	215	56.01	24.08	30.25	1.12	0.28	0.12

Table E-1. Daily Allocation of Sediment Load Reductions for Upper Nevada Creek by Land Use Categories

Julian Day	Daily Load from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction from Hillslope, Stream Bank and Road Erosion (lbs/day)	Daily Load Reduction Allocation for Livestock Grazing (lbs/day)	Daily Load Reduction Allocation for Hay Production (lbs/day)	Daily Load Reduction Allocation for Road Erosion (lbs/day)	Daily Load Reduction Allocation for Silviculture (lbs/day)	Daily Load Reduction Allocation for Placer Mining (lbs/day)
336	204	52.91	22.75	28.57	1.06	0.26	0.11
337	193	50.23	21.60	27.12	1.00	0.25	0.11
338	199	51.78	22.26	27.96	1.04	0.26	0.11
339	220	57.24	24.61	30.91	1.14	0.29	0.12
340	210	54.54	23.45	29.45	1.09	0.27	0.12
341	201	52.16	22.43	28.17	1.04	0.26	0.11
342	192	49.99	21.50	27.00	1.00	0.25	0.11
343	185	48.05	20.66	25.95	0.96	0.24	0.10
344	178	46.27	19.90	24.98	0.93	0.23	0.10
345	172	44.68	19.21	24.13	0.89	0.22	0.10
346	166	43.13	18.55	23.29	0.86	0.22	0.09
347	161	41.81	17.98	22.58	0.84	0.21	0.09
348	156	40.51	17.42	21.88	0.81	0.20	0.09
349	151	39.37	16.93	21.26	0.79	0.20	0.08
350	147	38.31	16.47	20.69	0.77	0.19	0.08
351	159	41.37	17.79	22.34	0.83	0.21	0.09
352	155	40.33	17.34	21.78	0.81	0.20	0.09
353	151	39.29	16.89	21.22	0.79	0.20	0.08
354	148	38.38	16.50	20.73	0.77	0.19	0.08
355	145	37.68	16.20	20.35	0.75	0.19	0.08
356	142	36.88	15.86	19.91	0.74	0.18	0.08
357	138	36.00	15.48	19.44	0.72	0.18	0.08
358	135	35.20	15.14	19.01	0.70	0.18	0.08
359	133	34.46	14.82	18.61	0.69	0.17	0.07
360	130	33.76	14.52	18.23	0.68	0.17	0.07
361	127	33.15	14.25	17.90	0.66	0.17	0.07
362	125	32.53	13.99	17.57	0.65	0.16	0.07
363	123	31.99	13.76	17.27	0.64	0.16	0.07
364	121	31.39	13.50	16.95	0.63	0.16	0.07
365	119	30.88	13.28	16.68	0.62	0.15	0.07
Total (lbs/yr)	7001997	1820519	782823	983080	36410	9103	3914
Total (tons/yr)	3501	910	391	492	18	5	2

Table E-2. Sediment TMDLs and Allocations by Listed Segment for Mid-Winter, Peak Runoff and Mid-Summer Dates							
Stream Name	TMDLs (lbs/day)	Land Use Allocations as Allowable Loading (lbs/day)					
		Livestock Grazing	Hay Production	Silviculture	Placer Mining	Road Erosion	Rural Residential
	Mid-Winter						Peak Runoff
	Mid-Summer						Mid-Summer
Nevada Creek							
Upper Washington	0.04	0.018	0.001	0.007	0.011	0.003	
	26861	12356	698	4432	7226	2149	
	0.01	0.005	0.000	0.002	0.003	0.001	
Lower Washington	14	5.5	8.1			0.5	
	43237	17040	24861			1440	
	123	48.5	70.7			4.1	
Upper Jefferson	0.015	0.006		0.003	0.006	0.001	
	59885	22996		11498	22996	2515	
	0.015	0.006		0.003	0.006	0.001	
Lower Jefferson	0.20					0.20	
	1012					1012	
	1.76					1.76	
Gallagher	0.01	0.007	0.002			0.001	
	24143	15935	5794	927		1449	
	0.01	0.007	0.002			0.001	
Buffalo Gulch	0.01	0.0041	0.0005	0.0038	0.0002	0.0014	
	28297	11602	1500	10753	509	3962	
	131	54	7	50	2	18	
Braziel	0.01	0.0052		0.0031		0.0018	
	46807	24340		14510		8425	
	0.03	0.016		0.009		0.005	
Black Bear	0.022	0.017		0.000		0.005	
	34015	26192		340		7143	
	0.022	0.017		0.000		0.005	
Murray	0.01	0.0031	0.0005	0.0001		0.006	
	337699	104687	15872	3377		214439	
	3266	1012	154	33		2074	
Upper Douglas	48	21	15			12	
	130339	57115	41988			31296	
	237	104	76			57	
Cottonwood	0.007	0.0034	0.0033			0.0003	
	374540	183525	177907			14982	
	0.007	0.0034	0.0033			0.0003	
Lower Douglas	79	54	19			6	
	358992	244067	86141			28714	
	314	214	75			25	
Nevada Spring	0.21	0.11	0.01			0.09	
	16824	8547	942			7335	
	0.48	0.24	0.03			0.21	

Table E-2. Sediment TMDLs and Allocations by Listed Segment for Mid-Winter, Peak Runoff and Mid-Summer Dates							
Stream Name	TMDLs (lbs/day) Mid-Winter Peak Runoff Mid-Summer	Land Use Allocations as Allowable Loading (lbs/day)					
		Livestock Grazing	Hay Production	Silviculture	Placer Mining	Road Erosion	Rural Residential
McElwain	0.01	0.005	0.004			0.001	
	70714	33943	28286			8486	
	0.01	0.005	0.004			0.001	
Lower Nevada	56	49	5			2	
	210761	185470	18968			6323	
	542	477	49			16	
Middle Blackfoot							
Yourname	0.0012	0.001	0.000	0.000	0.000	0.000	0.000
	48893	35203	489	196	196	12712	196
	0.01	0.01	0.00	0.00	0.00	0.00	0.00
Wales	0.02	0.01	0.01				
	30260	18156	9986			2118	
	0.03	0.02	0.01				
Frazier	0.001	0.000				0.001	
	3882	1591				2290	
	0.003	0.001				0.002	
Ward	0.007	0.003		0.001		0.003	
	11321	5207		1811		4302	
	0.008	0.004		0.001		0.003	
Kleinschmidt	0.001	0.000	0.000			0.001	
	1533	77	15			1441	
	0.001	0.000	0.000			0.001	
Rock	0.001	0.001		0.000		0.000	
	143567	96190		41635		5743	
	0.001	0.001		0.000		0.000	
Warren	0.003	0.000	0.000			0.003	
	27343	3555	273			23515	
	2541	330	25			2185	
Monture	0.003	0.000		0.001		0.002	
	86161	9478		36188		40496	
	0.25	0.03		0.10		0.12	
BFR (Nev to Mont)	37	16	13	7		1	
	578885	254709	196821	115777		11578	
	1176	517	400	235		24	
Cottonwood	0.014	0.002	0.001	0.006		0.005	
	212035	33926	12722	86934		78453	
	0.014	0.002	0.001	0.006		0.005	
Richmond	0.001			0.000		0.001	
	979			59		920	
	0.000016			0.000001		0.000015	

Table E-2. Sediment TMDLs and Allocations by Listed Segment for Mid-Winter, Peak Runoff and Mid-Summer Dates							
Stream Name	TMDLs (lbs/day) Mid-Winter Peak Runoff Mid-Summer	Land Use Allocations as Allowable Loading (lbs/day)					
		Livestock Grazing	Hay Production	Silviculture	Placer Mining	Road Erosion	Rural Residential
West Fork Clearwater	0.08			0.04		0.04	
	52652			27379		25273	
	0.0008			0.0004		0.0004	
Deer	0.73			0.35		0.038	
	54219			26025		28194	
	195			94		102	
Blanchard	0.00088	0.00012		0.00004		0.00071	
	29779	4169		1489		24121	
	0.0040	0.0006		0.0002		0.0032	
BFR (Mont to Clrwtr)	18	9	1			5	2
	257586	128793	18031			77276	33486
	298	149	21			89	39

