

APPENDIX C

DAILY SEDIMENT TMDLS

Introduction

Originally, sediment loads for the Yaak TPA were calculated and applied as average annual sediment yields which is logically sound for this watershed for a few reasons.

- All significant sediment sources are nonpoint source runoff driven.
- Impacts to beneficial uses are predominantly from accumulative, chronic sediment loading, rather than daily acute exceedances of the narrative water quality standard for sediment.

Determining a daily allowable sediment load rate is problematic due to natural variation in daily sediment transport and depositional conditions, and the chronic nature of sediment impacts. Including daily loads and allocations, however, is a recent recommendation by EPA that the original scope of this TMDL project did not consider. This appendix provides estimates of allowable daily sediment loads and allocations for each major source type (natural background and forest roads). The analysis for providing the daily loads is limited because of project time constraints, the types of sources in the watershed, the validity of using annual load limits to protect beneficial uses, and this recent change in TMDL recommendations from the EPA.

The annual sediment loads described in the sediment source assessments (Section 5) are used as a primary basis for determining daily sediment loads for listed streams in the Yaak TPA. In order to estimate allowable daily loads, the annual load limits given in Table 6-1 were apportioned according to the average annual hydrograph for the Yaak River, estimated using mean annual flows from USGS station 12304500 (Yaak River near Troy, MT) given in Figure C-1. The annual hydrograph at this station approximates the timing and relative daily magnitude of flows in impaired watersheds Seventeenmile Creek, Lap Creek and the South Fork Yaak River. For each day, the percentage of the total annual flow was calculated and multiplied by the annual allowable load to obtain an average approximation of the allowable load for any single day or average flow condition. Because the hydrograph on Figure C-1 represents the average daily flow, each single day's allowable load also represents an average allowable load for that day. Actual loads on any given day may be in excess of the allowable load given due to a variety of natural and non-natural factors (timing of the annual hydrograph, weather patterns, storm events, or other natural and non-natural watershed disturbances), however, daily exceedances may not contribute to impairment conditions unless frequency and duration of non-natural loads, over time, is excessive.

Annual allocations given in Section 6.0 provide a more practical operational loading analysis than does an allowable daily load limit, nonetheless allowable daily loading estimates are provided in Tables C-1, C-2, and C-3 in order to satisfy EPA's daily loading recommendations.

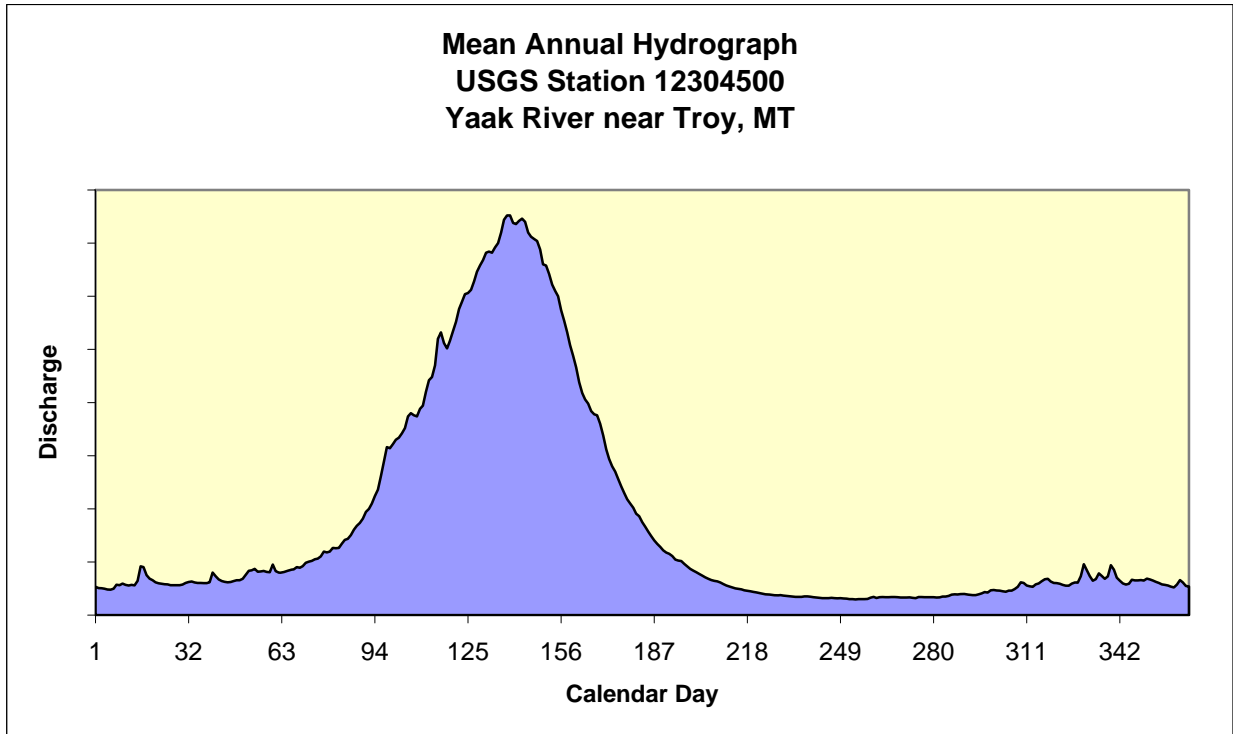


Figure C-1. Mean Annual Hydrograph (relative discharge), Yaak River: USGS Station 12304500

Table C-1. Seventeenmile Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL 17mile
1	0.086%	0.3816	0.0105	0.3920
2	0.083%	0.3658	0.0100	0.3758
3	0.082%	0.3629	0.0100	0.3729
4	0.081%	0.3572	0.0098	0.3670
5	0.078%	0.3457	0.0095	0.3552
6	0.077%	0.3428	0.0094	0.3522
7	0.080%	0.3557	0.0098	0.3655
8	0.093%	0.4102	0.0113	0.4215
9	0.091%	0.4031	0.0111	0.4141
10	0.096%	0.4260	0.0117	0.4377
11	0.092%	0.4088	0.0112	0.4200
12	0.090%	0.3988	0.0109	0.4097
13	0.092%	0.4074	0.0112	0.4186
14	0.091%	0.4016	0.0110	0.4127
15	0.104%	0.4619	0.0127	0.4746
16	0.149%	0.6584	0.0181	0.6765
17	0.146%	0.6484	0.0178	0.6661
18	0.122%	0.5393	0.0148	0.5541
19	0.111%	0.4920	0.0135	0.5055
20	0.106%	0.4705	0.0129	0.4834
21	0.100%	0.4418	0.0121	0.4539
22	0.097%	0.4289	0.0118	0.4407
23	0.096%	0.4232	0.0116	0.4348
24	0.094%	0.4174	0.0115	0.4289
25	0.094%	0.4145	0.0114	0.4259
26	0.091%	0.4045	0.0111	0.4156
27	0.091%	0.4031	0.0111	0.4141
28	0.091%	0.4031	0.0111	0.4141
29	0.091%	0.4031	0.0111	0.4141
30	0.093%	0.4131	0.0113	0.4244
31	0.098%	0.4346	0.0119	0.4466
32	0.101%	0.4461	0.0122	0.4583
33	0.102%	0.4533	0.0124	0.4657
34	0.099%	0.4404	0.0121	0.4525
35	0.098%	0.4332	0.0119	0.4451
36	0.098%	0.4346	0.0119	0.4466
37	0.097%	0.4318	0.0119	0.4436
38	0.097%	0.4318	0.0119	0.4436
39	0.100%	0.4432	0.0122	0.4554
40	0.130%	0.5752	0.0158	0.5910
41	0.119%	0.5250	0.0144	0.5394
42	0.108%	0.4805	0.0132	0.4937
43	0.104%	0.4590	0.0126	0.4716
44	0.101%	0.4490	0.0123	0.4613
45	0.100%	0.4432	0.0122	0.4554
46	0.101%	0.4461	0.0122	0.4583
47	0.104%	0.4604	0.0126	0.4731
48	0.106%	0.4705	0.0129	0.4834
49	0.106%	0.4705	0.0129	0.4834
50	0.110%	0.4891	0.0134	0.5026

Table C-1. Seventeenmile Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL 17mile
51	0.123%	0.5451	0.0150	0.5600
52	0.135%	0.5981	0.0164	0.6146
53	0.136%	0.6039	0.0166	0.6205
54	0.141%	0.6240	0.0171	0.6411
55	0.132%	0.5852	0.0161	0.6013
56	0.133%	0.5895	0.0162	0.6057
57	0.134%	0.5953	0.0163	0.6116
58	0.132%	0.5838	0.0160	0.5998
59	0.131%	0.5795	0.0159	0.5954
60	0.154%	0.6828	0.0187	0.7015
61	0.134%	0.5938	0.0163	0.6101
62	0.130%	0.5752	0.0158	0.5910
63	0.130%	0.5752	0.0158	0.5910
64	0.132%	0.5852	0.0161	0.6013
65	0.135%	0.5996	0.0165	0.6160
66	0.138%	0.6096	0.0167	0.6264
67	0.139%	0.6168	0.0169	0.6337
68	0.146%	0.6469	0.0178	0.6647
69	0.144%	0.6383	0.0175	0.6558
70	0.149%	0.6598	0.0181	0.6779
71	0.160%	0.7072	0.0194	0.7266
72	0.163%	0.7215	0.0198	0.7413
73	0.165%	0.7315	0.0201	0.7516
74	0.170%	0.7531	0.0207	0.7737
75	0.172%	0.7617	0.0209	0.7826
76	0.179%	0.7932	0.0218	0.8150
77	0.194%	0.8578	0.0235	0.8813
78	0.191%	0.8463	0.0232	0.8695
79	0.194%	0.8578	0.0235	0.8813
80	0.205%	0.9065	0.0249	0.9314
81	0.204%	0.9037	0.0248	0.9285
82	0.205%	0.9065	0.0249	0.9314
83	0.218%	0.9654	0.0265	0.9919
84	0.229%	1.0141	0.0278	1.0420
85	0.232%	1.0299	0.0283	1.0582
86	0.243%	1.0787	0.0296	1.1083
87	0.260%	1.1533	0.0317	1.1849
88	0.272%	1.2049	0.0331	1.2380
89	0.281%	1.2436	0.0341	1.2778
90	0.294%	1.3024	0.0358	1.3382
91	0.314%	1.3928	0.0382	1.4310
92	0.323%	1.4330	0.0393	1.4723
93	0.340%	1.5061	0.0413	1.5475
94	0.363%	1.6065	0.0441	1.6506
95	0.382%	1.6926	0.0465	1.7391
96	0.424%	1.8791	0.0516	1.9307
97	0.466%	2.0655	0.0567	2.1222
98	0.512%	2.2664	0.0622	2.3286
99	0.508%	2.2520	0.0618	2.3138
100	0.521%	2.3094	0.0634	2.3728
101	0.534%	2.3668	0.0650	2.4317

Table C-1. Seventeenmile Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL 17mile
102	0.541%	2.3955	0.0658	2.4612
103	0.554%	2.4528	0.0673	2.5202
104	0.570%	2.5246	0.0693	2.5939
105	0.605%	2.6823	0.0736	2.7560
106	0.615%	2.7254	0.0748	2.8002
107	0.609%	2.6967	0.0740	2.7707
108	0.605%	2.6823	0.0736	2.7560
109	0.628%	2.7828	0.0764	2.8591
110	0.638%	2.8258	0.0776	2.9034
111	0.680%	3.0123	0.0827	3.0949
112	0.716%	3.1700	0.0870	3.2571
113	0.725%	3.2131	0.0882	3.3013
114	0.761%	3.3709	0.0925	3.4634
115	0.842%	3.7295	0.1024	3.8318
116	0.861%	3.8155	0.1047	3.9203
117	0.829%	3.6721	0.1008	3.7729
118	0.813%	3.6004	0.0988	3.6992
119	0.835%	3.7008	0.1016	3.8024
120	0.865%	3.8299	0.1051	3.9350
121	0.894%	3.9590	0.1087	4.0676
122	0.933%	4.1311	0.1134	4.2445
123	0.955%	4.2315	0.1162	4.3477
124	0.978%	4.3319	0.1189	4.4508
125	0.981%	4.3463	0.1193	4.4656
126	0.991%	4.3893	0.1205	4.5098
127	1.017%	4.5040	0.1236	4.6277
128	1.046%	4.6331	0.1272	4.7603
129	1.065%	4.7192	0.1295	4.8487
130	1.081%	4.7909	0.1315	4.9224
131	1.104%	4.8913	0.1343	5.0256
132	1.107%	4.9057	0.1347	5.0403
133	1.104%	4.8913	0.1343	5.0256
134	1.120%	4.9631	0.1362	5.0993
135	1.133%	5.0204	0.1378	5.1582
136	1.166%	5.1639	0.1417	5.3056
137	1.205%	5.3360	0.1465	5.4825
138	1.217%	5.3934	0.1480	5.5414
139	1.217%	5.3934	0.1480	5.5414
140	1.195%	5.2930	0.1453	5.4383
141	1.192%	5.2786	0.1449	5.4235
142	1.201%	5.3217	0.1461	5.4677
143	1.208%	5.3503	0.1469	5.4972
144	1.198%	5.3073	0.1457	5.4530
145	1.166%	5.1639	0.1417	5.3056
146	1.153%	5.1065	0.1402	5.2467
147	1.146%	5.0778	0.1394	5.2172
148	1.140%	5.0491	0.1386	5.1877
149	1.114%	4.9344	0.1354	5.0698
150	1.069%	4.7335	0.1299	4.8635
151	1.065%	4.7192	0.1295	4.8487
152	1.039%	4.6045	0.1264	4.7308

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Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL 17mile
153	1.007%	4.4610	0.1225	4.5835
154	0.988%	4.3749	0.1201	4.4950
155	0.971%	4.3032	0.1181	4.4213
156	0.929%	4.1168	0.1130	4.2298
157	0.897%	3.9733	0.1091	4.0824
158	0.861%	3.8155	0.1047	3.9203
159	0.822%	3.6434	0.1000	3.7434
160	0.790%	3.5000	0.0961	3.5960
161	0.754%	3.3422	0.0917	3.4339
162	0.709%	3.1414	0.0862	3.2276
163	0.677%	2.9979	0.0823	3.0802
164	0.657%	2.9119	0.0799	2.9918
165	0.644%	2.8545	0.0784	2.9328
166	0.622%	2.7541	0.0756	2.8297
167	0.612%	2.7110	0.0744	2.7854
168	0.609%	2.6967	0.0740	2.7707
169	0.583%	2.5819	0.0709	2.6528
170	0.547%	2.4242	0.0665	2.4907
171	0.505%	2.2377	0.0614	2.2991
172	0.476%	2.1086	0.0579	2.1665
173	0.453%	2.0082	0.0551	2.0633
174	0.437%	1.9365	0.0532	1.9896
175	0.414%	1.8360	0.0504	1.8864
176	0.392%	1.7356	0.0476	1.7833
177	0.372%	1.6496	0.0453	1.6948
178	0.353%	1.5635	0.0429	1.6064
179	0.340%	1.5061	0.0413	1.5475
180	0.327%	1.4488	0.0398	1.4885
181	0.309%	1.3684	0.0376	1.4060
182	0.301%	1.3354	0.0367	1.3721
183	0.283%	1.2551	0.0345	1.2896
184	0.269%	1.1920	0.0327	1.2247
185	0.254%	1.1260	0.0309	1.1569
186	0.241%	1.0658	0.0293	1.0950
187	0.228%	1.0084	0.0277	1.0361
188	0.217%	0.9611	0.0264	0.9874
189	0.208%	0.9209	0.0253	0.9462
190	0.198%	0.8750	0.0240	0.8990
191	0.191%	0.8449	0.0232	0.8681
192	0.187%	0.8277	0.0227	0.8504
193	0.180%	0.7961	0.0219	0.8179
194	0.169%	0.7502	0.0206	0.7708
195	0.166%	0.7373	0.0202	0.7575
196	0.165%	0.7301	0.0200	0.7502
197	0.156%	0.6914	0.0190	0.7104
198	0.148%	0.6555	0.0180	0.6735
199	0.141%	0.6240	0.0171	0.6411
200	0.136%	0.6010	0.0165	0.6175
201	0.131%	0.5795	0.0159	0.5954
202	0.125%	0.5551	0.0152	0.5704
203	0.120%	0.5336	0.0146	0.5482

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Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL 17mile
204	0.115%	0.5092	0.0140	0.5232
205	0.110%	0.4891	0.0134	0.5026
206	0.107%	0.4719	0.0130	0.4849
207	0.104%	0.4619	0.0127	0.4746
208	0.103%	0.4561	0.0125	0.4687
209	0.099%	0.4404	0.0121	0.4525
210	0.095%	0.4188	0.0115	0.4303
211	0.090%	0.3988	0.0109	0.4097
212	0.087%	0.3873	0.0106	0.3979
213	0.085%	0.3744	0.0103	0.3847
214	0.081%	0.3600	0.0099	0.3699
215	0.080%	0.3543	0.0097	0.3640
216	0.079%	0.3486	0.0096	0.3581
217	0.076%	0.3357	0.0092	0.3449
218	0.074%	0.3285	0.0090	0.3375
219	0.073%	0.3213	0.0088	0.3301
220	0.071%	0.3141	0.0086	0.3228
221	0.069%	0.3070	0.0084	0.3154
222	0.067%	0.2984	0.0082	0.3065
223	0.065%	0.2898	0.0080	0.2977
224	0.063%	0.2811	0.0077	0.2889
225	0.063%	0.2783	0.0076	0.2859
226	0.062%	0.2740	0.0075	0.2815
227	0.061%	0.2682	0.0074	0.2756
228	0.060%	0.2668	0.0073	0.2741
229	0.061%	0.2697	0.0074	0.2771
230	0.059%	0.2625	0.0072	0.2697
231	0.059%	0.2596	0.0071	0.2668
232	0.057%	0.2539	0.0070	0.2609
233	0.056%	0.2496	0.0069	0.2564
234	0.056%	0.2467	0.0068	0.2535
235	0.055%	0.2453	0.0067	0.2520
236	0.056%	0.2467	0.0068	0.2535
237	0.057%	0.2525	0.0069	0.2594
238	0.057%	0.2525	0.0069	0.2594
239	0.056%	0.2482	0.0068	0.2550
240	0.055%	0.2424	0.0067	0.2491
241	0.053%	0.2367	0.0065	0.2432
242	0.053%	0.2338	0.0064	0.2402
243	0.052%	0.2295	0.0063	0.2358
244	0.051%	0.2281	0.0063	0.2343
245	0.052%	0.2295	0.0063	0.2358
246	0.052%	0.2324	0.0064	0.2388
247	0.052%	0.2295	0.0063	0.2358
248	0.051%	0.2266	0.0062	0.2329
249	0.051%	0.2281	0.0063	0.2343
250	0.051%	0.2252	0.0062	0.2314
251	0.050%	0.2223	0.0061	0.2284
252	0.049%	0.2152	0.0059	0.2211
253	0.049%	0.2152	0.0059	0.2211
254	0.048%	0.2123	0.0058	0.2181

Table C-1. Seventeenmile Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL 17mile
255	0.049%	0.2152	0.0059	0.2211
256	0.049%	0.2166	0.0059	0.2225
257	0.049%	0.2152	0.0059	0.2211
258	0.049%	0.2180	0.0060	0.2240
259	0.053%	0.2352	0.0065	0.2417
260	0.056%	0.2467	0.0068	0.2535
261	0.052%	0.2309	0.0063	0.2373
262	0.055%	0.2424	0.0067	0.2491
263	0.055%	0.2438	0.0067	0.2505
264	0.054%	0.2410	0.0066	0.2476
265	0.055%	0.2424	0.0067	0.2491
266	0.055%	0.2438	0.0067	0.2505
267	0.055%	0.2438	0.0067	0.2505
268	0.054%	0.2410	0.0066	0.2476
269	0.054%	0.2381	0.0065	0.2446
270	0.053%	0.2367	0.0065	0.2432
271	0.054%	0.2381	0.0065	0.2446
272	0.054%	0.2395	0.0066	0.2461
273	0.052%	0.2324	0.0064	0.2388
274	0.052%	0.2295	0.0063	0.2358
275	0.055%	0.2438	0.0067	0.2505
276	0.055%	0.2438	0.0067	0.2505
277	0.055%	0.2424	0.0067	0.2491
278	0.054%	0.2410	0.0066	0.2476
279	0.054%	0.2410	0.0066	0.2476
280	0.054%	0.2410	0.0066	0.2476
281	0.054%	0.2381	0.0065	0.2446
282	0.054%	0.2395	0.0066	0.2461
283	0.056%	0.2496	0.0069	0.2564
284	0.057%	0.2510	0.0069	0.2579
285	0.058%	0.2582	0.0071	0.2653
286	0.062%	0.2768	0.0076	0.2844
287	0.063%	0.2811	0.0077	0.2889
288	0.063%	0.2783	0.0076	0.2859
289	0.064%	0.2826	0.0078	0.2903
290	0.064%	0.2840	0.0078	0.2918
291	0.064%	0.2826	0.0078	0.2903
292	0.062%	0.2725	0.0075	0.2800
293	0.061%	0.2697	0.0074	0.2771
294	0.061%	0.2697	0.0074	0.2771
295	0.063%	0.2811	0.0077	0.2889
296	0.066%	0.2941	0.0081	0.3021
297	0.070%	0.3113	0.0085	0.3198
298	0.069%	0.3055	0.0084	0.3139
299	0.075%	0.3342	0.0092	0.3434
300	0.077%	0.3400	0.0093	0.3493
301	0.075%	0.3328	0.0091	0.3419
302	0.074%	0.3299	0.0091	0.3390
303	0.073%	0.3213	0.0088	0.3301
304	0.071%	0.3156	0.0087	0.3242
305	0.075%	0.3313	0.0091	0.3404

Table C-1. Seventeenmile Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL 17mile
306	0.075%	0.3313	0.0091	0.3404
307	0.079%	0.3514	0.0096	0.3611
308	0.086%	0.3816	0.0105	0.3920
309	0.100%	0.4432	0.0122	0.4554
310	0.098%	0.4332	0.0119	0.4451
311	0.090%	0.3988	0.0109	0.4097
312	0.088%	0.3887	0.0107	0.3994
313	0.086%	0.3816	0.0105	0.3920
314	0.094%	0.4145	0.0114	0.4259
315	0.096%	0.4275	0.0117	0.4392
316	0.103%	0.4576	0.0126	0.4701
317	0.109%	0.4834	0.0133	0.4967
318	0.111%	0.4906	0.0135	0.5040
319	0.102%	0.4533	0.0124	0.4657
320	0.098%	0.4346	0.0119	0.4466
321	0.097%	0.4318	0.0119	0.4436
322	0.096%	0.4232	0.0116	0.4348
323	0.092%	0.4088	0.0112	0.4200
324	0.090%	0.3973	0.0109	0.4082
325	0.090%	0.3973	0.0109	0.4082
326	0.096%	0.4246	0.0117	0.4362
327	0.099%	0.4404	0.0121	0.4525
328	0.099%	0.4389	0.0120	0.4510
329	0.119%	0.5250	0.0144	0.5394
330	0.155%	0.6856	0.0188	0.7045
331	0.136%	0.6039	0.0166	0.6205
332	0.119%	0.5279	0.0145	0.5424
333	0.105%	0.4633	0.0127	0.4760
334	0.109%	0.4848	0.0133	0.4981
335	0.127%	0.5637	0.0155	0.5792
336	0.119%	0.5279	0.0145	0.5424
337	0.110%	0.4891	0.0134	0.5026
338	0.118%	0.5236	0.0144	0.5379
339	0.152%	0.6742	0.0185	0.6927
340	0.139%	0.6139	0.0169	0.6308
341	0.114%	0.5063	0.0139	0.5202
342	0.105%	0.4647	0.0128	0.4775
343	0.096%	0.4275	0.0117	0.4392
344	0.093%	0.4131	0.0113	0.4244
345	0.096%	0.4232	0.0116	0.4348
346	0.108%	0.4777	0.0131	0.4908
347	0.106%	0.4676	0.0128	0.4805
348	0.106%	0.4676	0.0128	0.4805
349	0.107%	0.4719	0.0130	0.4849
350	0.105%	0.4662	0.0128	0.4790
351	0.111%	0.4920	0.0135	0.5055
352	0.108%	0.4805	0.0132	0.4937
353	0.105%	0.4662	0.0128	0.4790
354	0.101%	0.4490	0.0123	0.4613
355	0.098%	0.4332	0.0119	0.4451
356	0.094%	0.4145	0.0114	0.4259

Table C-1. Seventeenmile Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL 17mile
357	0.092%	0.4074	0.0112	0.4186
358	0.090%	0.3988	0.0109	0.4097
359	0.087%	0.3844	0.0106	0.3950
360	0.085%	0.3744	0.0103	0.3847
361	0.093%	0.4117	0.0113	0.4230
362	0.107%	0.4719	0.0130	0.4849
363	0.099%	0.4404	0.0121	0.4525
364	0.089%	0.3930	0.0108	0.4038
365	0.087%	0.3873	0.0106	0.3979

Table C-2. Lap Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL Lap
1	0.086%	0.0544	0.0010	0.0553
2	0.083%	0.0521	0.0009	0.0531
3	0.082%	0.0517	0.0009	0.0526
4	0.081%	0.0509	0.0009	0.0518
5	0.078%	0.0493	0.0009	0.0501
6	0.077%	0.0489	0.0009	0.0497
7	0.080%	0.0507	0.0009	0.0516
8	0.093%	0.0585	0.0010	0.0595
9	0.091%	0.0574	0.0010	0.0585
10	0.096%	0.0607	0.0011	0.0618
11	0.092%	0.0583	0.0010	0.0593
12	0.090%	0.0568	0.0010	0.0578
13	0.092%	0.0581	0.0010	0.0591
14	0.091%	0.0572	0.0010	0.0583
15	0.104%	0.0658	0.0012	0.0670
16	0.149%	0.0938	0.0017	0.0955
17	0.146%	0.0924	0.0017	0.0940
18	0.122%	0.0769	0.0014	0.0782
19	0.111%	0.0701	0.0013	0.0714
20	0.106%	0.0670	0.0012	0.0682
21	0.100%	0.0630	0.0011	0.0641
22	0.097%	0.0611	0.0011	0.0622
23	0.096%	0.0603	0.0011	0.0614
24	0.094%	0.0595	0.0011	0.0605
25	0.094%	0.0591	0.0011	0.0601
26	0.091%	0.0576	0.0010	0.0587
27	0.091%	0.0574	0.0010	0.0585
28	0.091%	0.0574	0.0010	0.0585
29	0.091%	0.0574	0.0010	0.0585
30	0.093%	0.0589	0.0011	0.0599
31	0.098%	0.0619	0.0011	0.0630
32	0.101%	0.0636	0.0011	0.0647
33	0.102%	0.0646	0.0012	0.0658
34	0.099%	0.0628	0.0011	0.0639
35	0.098%	0.0617	0.0011	0.0628
36	0.098%	0.0619	0.0011	0.0630
37	0.097%	0.0615	0.0011	0.0626
38	0.097%	0.0615	0.0011	0.0626
39	0.100%	0.0632	0.0011	0.0643
40	0.130%	0.0820	0.0015	0.0834
41	0.119%	0.0748	0.0013	0.0762
42	0.108%	0.0685	0.0012	0.0697
43	0.104%	0.0654	0.0012	0.0666
44	0.101%	0.0640	0.0011	0.0651
45	0.100%	0.0632	0.0011	0.0643
46	0.101%	0.0636	0.0011	0.0647
47	0.104%	0.0656	0.0012	0.0668
48	0.106%	0.0670	0.0012	0.0682
49	0.106%	0.0670	0.0012	0.0682
50	0.110%	0.0697	0.0012	0.0710

Table C-2. Lap Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL Lap
51	0.123%	0.0777	0.0014	0.0791
52	0.135%	0.0852	0.0015	0.0868
53	0.136%	0.0861	0.0015	0.0876
54	0.141%	0.0889	0.0016	0.0905
55	0.132%	0.0834	0.0015	0.0849
56	0.133%	0.0840	0.0015	0.0855
57	0.134%	0.0848	0.0015	0.0863
58	0.132%	0.0832	0.0015	0.0847
59	0.131%	0.0826	0.0015	0.0841
60	0.154%	0.0973	0.0017	0.0990
61	0.134%	0.0846	0.0015	0.0861
62	0.130%	0.0820	0.0015	0.0834
63	0.130%	0.0820	0.0015	0.0834
64	0.132%	0.0834	0.0015	0.0849
65	0.135%	0.0854	0.0015	0.0870
66	0.138%	0.0869	0.0016	0.0884
67	0.139%	0.0879	0.0016	0.0895
68	0.146%	0.0922	0.0017	0.0938
69	0.144%	0.0910	0.0016	0.0926
70	0.149%	0.0940	0.0017	0.0957
71	0.160%	0.1008	0.0018	0.1026
72	0.163%	0.1028	0.0018	0.1047
73	0.165%	0.1042	0.0019	0.1061
74	0.170%	0.1073	0.0019	0.1092
75	0.172%	0.1085	0.0019	0.1105
76	0.179%	0.1130	0.0020	0.1151
77	0.194%	0.1222	0.0022	0.1244
78	0.191%	0.1206	0.0022	0.1228
79	0.194%	0.1222	0.0022	0.1244
80	0.205%	0.1292	0.0023	0.1315
81	0.204%	0.1288	0.0023	0.1311
82	0.205%	0.1292	0.0023	0.1315
83	0.218%	0.1376	0.0025	0.1400
84	0.229%	0.1445	0.0026	0.1471
85	0.232%	0.1468	0.0026	0.1494
86	0.243%	0.1537	0.0028	0.1565
87	0.260%	0.1643	0.0029	0.1673
88	0.272%	0.1717	0.0031	0.1748
89	0.281%	0.1772	0.0032	0.1804
90	0.294%	0.1856	0.0033	0.1889
91	0.314%	0.1985	0.0036	0.2020
92	0.323%	0.2042	0.0037	0.2079
93	0.340%	0.2146	0.0038	0.2185
94	0.363%	0.2289	0.0041	0.2330
95	0.382%	0.2412	0.0043	0.2455
96	0.424%	0.2678	0.0048	0.2726
97	0.466%	0.2944	0.0053	0.2996
98	0.512%	0.3230	0.0058	0.3288
99	0.508%	0.3209	0.0057	0.3267
100	0.521%	0.3291	0.0059	0.3350
101	0.534%	0.3373	0.0060	0.3433

Table C-2. Lap Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL Lap
102	0.541%	0.3414	0.0061	0.3475
103	0.554%	0.3495	0.0063	0.3558
104	0.570%	0.3598	0.0064	0.3662
105	0.605%	0.3822	0.0068	0.3891
106	0.615%	0.3884	0.0070	0.3953
107	0.609%	0.3843	0.0069	0.3912
108	0.605%	0.3822	0.0068	0.3891
109	0.628%	0.3966	0.0071	0.4037
110	0.638%	0.4027	0.0072	0.4099
111	0.680%	0.4293	0.0077	0.4369
112	0.716%	0.4517	0.0081	0.4598
113	0.725%	0.4579	0.0082	0.4661
114	0.761%	0.4804	0.0086	0.4890
115	0.842%	0.5315	0.0095	0.5410
116	0.861%	0.5437	0.0097	0.5535
117	0.829%	0.5233	0.0094	0.5327
118	0.813%	0.5131	0.0092	0.5223
119	0.835%	0.5274	0.0094	0.5368
120	0.865%	0.5458	0.0098	0.5555
121	0.894%	0.5642	0.0101	0.5743
122	0.933%	0.5887	0.0105	0.5992
123	0.955%	0.6030	0.0108	0.6138
124	0.978%	0.6173	0.0110	0.6284
125	0.981%	0.6194	0.0111	0.6305
126	0.991%	0.6255	0.0112	0.6367
127	1.017%	0.6419	0.0115	0.6533
128	1.046%	0.6602	0.0118	0.6721
129	1.065%	0.6725	0.0120	0.6846
130	1.081%	0.6827	0.0122	0.6950
131	1.104%	0.6970	0.0125	0.7095
132	1.107%	0.6991	0.0125	0.7116
133	1.104%	0.6970	0.0125	0.7095
134	1.120%	0.7073	0.0127	0.7199
135	1.133%	0.7154	0.0128	0.7282
136	1.166%	0.7359	0.0132	0.7491
137	1.205%	0.7604	0.0136	0.7740
138	1.217%	0.7686	0.0138	0.7823
139	1.217%	0.7686	0.0138	0.7823
140	1.195%	0.7543	0.0135	0.7678
141	1.192%	0.7522	0.0135	0.7657
142	1.201%	0.7584	0.0136	0.7719
143	1.208%	0.7625	0.0136	0.7761
144	1.198%	0.7563	0.0135	0.7699
145	1.166%	0.7359	0.0132	0.7491
146	1.153%	0.7277	0.0130	0.7407
147	1.146%	0.7236	0.0130	0.7366
148	1.140%	0.7195	0.0129	0.7324
149	1.114%	0.7032	0.0126	0.7158
150	1.069%	0.6746	0.0121	0.6866
151	1.065%	0.6725	0.0120	0.6846
152	1.039%	0.6562	0.0117	0.6679

Table C-2. Lap Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL Lap
153	1.007%	0.6357	0.0114	0.6471
154	0.988%	0.6235	0.0112	0.6346
155	0.971%	0.6132	0.0110	0.6242
156	0.929%	0.5867	0.0105	0.5972
157	0.897%	0.5662	0.0101	0.5764
158	0.861%	0.5437	0.0097	0.5535
159	0.822%	0.5192	0.0093	0.5285
160	0.790%	0.4988	0.0089	0.5077
161	0.754%	0.4763	0.0085	0.4848
162	0.709%	0.4477	0.0080	0.4557
163	0.677%	0.4272	0.0076	0.4349
164	0.657%	0.4150	0.0074	0.4224
165	0.644%	0.4068	0.0073	0.4141
166	0.622%	0.3925	0.0070	0.3995
167	0.612%	0.3863	0.0069	0.3933
168	0.609%	0.3843	0.0069	0.3912
169	0.583%	0.3679	0.0066	0.3745
170	0.547%	0.3455	0.0062	0.3516
171	0.505%	0.3189	0.0057	0.3246
172	0.476%	0.3005	0.0054	0.3059
173	0.453%	0.2862	0.0051	0.2913
174	0.437%	0.2760	0.0049	0.2809
175	0.414%	0.2616	0.0047	0.2663
176	0.392%	0.2473	0.0044	0.2518
177	0.372%	0.2351	0.0042	0.2393
178	0.353%	0.2228	0.0040	0.2268
179	0.340%	0.2146	0.0038	0.2185
180	0.327%	0.2065	0.0037	0.2102
181	0.309%	0.1950	0.0035	0.1985
182	0.301%	0.1903	0.0034	0.1937
183	0.283%	0.1789	0.0032	0.1821
184	0.269%	0.1699	0.0030	0.1729
185	0.254%	0.1605	0.0029	0.1633
186	0.241%	0.1519	0.0027	0.1546
187	0.228%	0.1437	0.0026	0.1463
188	0.217%	0.1370	0.0025	0.1394
189	0.208%	0.1312	0.0023	0.1336
190	0.198%	0.1247	0.0022	0.1269
191	0.191%	0.1204	0.0022	0.1226
192	0.187%	0.1179	0.0021	0.1201
193	0.180%	0.1134	0.0020	0.1155
194	0.169%	0.1069	0.0019	0.1088
195	0.166%	0.1051	0.0019	0.1069
196	0.165%	0.1040	0.0019	0.1059
197	0.156%	0.0985	0.0018	0.1003
198	0.148%	0.0934	0.0017	0.0951
199	0.141%	0.0889	0.0016	0.0905
200	0.136%	0.0856	0.0015	0.0872
201	0.131%	0.0826	0.0015	0.0841
202	0.125%	0.0791	0.0014	0.0805
203	0.120%	0.0760	0.0014	0.0774

Table C-2. Lap Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL Lap
204	0.115%	0.0726	0.0013	0.0739
205	0.110%	0.0697	0.0012	0.0710
206	0.107%	0.0673	0.0012	0.0685
207	0.104%	0.0658	0.0012	0.0670
208	0.103%	0.0650	0.0012	0.0662
209	0.099%	0.0628	0.0011	0.0639
210	0.095%	0.0597	0.0011	0.0608
211	0.090%	0.0568	0.0010	0.0578
212	0.087%	0.0552	0.0010	0.0562
213	0.085%	0.0534	0.0010	0.0543
214	0.081%	0.0513	0.0009	0.0522
215	0.080%	0.0505	0.0009	0.0514
216	0.079%	0.0497	0.0009	0.0506
217	0.076%	0.0478	0.0009	0.0487
218	0.074%	0.0468	0.0008	0.0476
219	0.073%	0.0458	0.0008	0.0466
220	0.071%	0.0448	0.0008	0.0456
221	0.069%	0.0437	0.0008	0.0445
222	0.067%	0.0425	0.0008	0.0433
223	0.065%	0.0413	0.0007	0.0420
224	0.063%	0.0401	0.0007	0.0408
225	0.063%	0.0397	0.0007	0.0404
226	0.062%	0.0390	0.0007	0.0397
227	0.061%	0.0382	0.0007	0.0389
228	0.060%	0.0380	0.0007	0.0387
229	0.061%	0.0384	0.0007	0.0391
230	0.059%	0.0374	0.0007	0.0381
231	0.059%	0.0370	0.0007	0.0377
232	0.057%	0.0362	0.0006	0.0368
233	0.056%	0.0356	0.0006	0.0362
234	0.056%	0.0352	0.0006	0.0358
235	0.055%	0.0350	0.0006	0.0356
236	0.056%	0.0352	0.0006	0.0358
237	0.057%	0.0360	0.0006	0.0366
238	0.057%	0.0360	0.0006	0.0366
239	0.056%	0.0354	0.0006	0.0360
240	0.055%	0.0345	0.0006	0.0352
241	0.053%	0.0337	0.0006	0.0343
242	0.053%	0.0333	0.0006	0.0339
243	0.052%	0.0327	0.0006	0.0333
244	0.051%	0.0325	0.0006	0.0331
245	0.052%	0.0327	0.0006	0.0333
246	0.052%	0.0331	0.0006	0.0337
247	0.052%	0.0327	0.0006	0.0333
248	0.051%	0.0323	0.0006	0.0329
249	0.051%	0.0325	0.0006	0.0331
250	0.051%	0.0321	0.0006	0.0327
251	0.050%	0.0317	0.0006	0.0323
252	0.049%	0.0307	0.0005	0.0312
253	0.049%	0.0307	0.0005	0.0312
254	0.048%	0.0303	0.0005	0.0308

Table C-2. Lap Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL Lap
255	0.049%	0.0307	0.0005	0.0312
256	0.049%	0.0309	0.0006	0.0314
257	0.049%	0.0307	0.0005	0.0312
258	0.049%	0.0311	0.0006	0.0316
259	0.053%	0.0335	0.0006	0.0341
260	0.056%	0.0352	0.0006	0.0358
261	0.052%	0.0329	0.0006	0.0335
262	0.055%	0.0345	0.0006	0.0352
263	0.055%	0.0347	0.0006	0.0354
264	0.054%	0.0343	0.0006	0.0350
265	0.055%	0.0345	0.0006	0.0352
266	0.055%	0.0347	0.0006	0.0354
267	0.055%	0.0347	0.0006	0.0354
268	0.054%	0.0343	0.0006	0.0350
269	0.054%	0.0339	0.0006	0.0345
270	0.053%	0.0337	0.0006	0.0343
271	0.054%	0.0339	0.0006	0.0345
272	0.054%	0.0341	0.0006	0.0347
273	0.052%	0.0331	0.0006	0.0337
274	0.052%	0.0327	0.0006	0.0333
275	0.055%	0.0347	0.0006	0.0354
276	0.055%	0.0347	0.0006	0.0354
277	0.055%	0.0345	0.0006	0.0352
278	0.054%	0.0343	0.0006	0.0350
279	0.054%	0.0343	0.0006	0.0350
280	0.054%	0.0343	0.0006	0.0350
281	0.054%	0.0339	0.0006	0.0345
282	0.054%	0.0341	0.0006	0.0347
283	0.056%	0.0356	0.0006	0.0362
284	0.057%	0.0358	0.0006	0.0364
285	0.058%	0.0368	0.0007	0.0375
286	0.062%	0.0395	0.0007	0.0402
287	0.063%	0.0401	0.0007	0.0408
288	0.063%	0.0397	0.0007	0.0404
289	0.064%	0.0403	0.0007	0.0410
290	0.064%	0.0405	0.0007	0.0412
291	0.064%	0.0403	0.0007	0.0410
292	0.062%	0.0388	0.0007	0.0395
293	0.061%	0.0384	0.0007	0.0391
294	0.061%	0.0384	0.0007	0.0391
295	0.063%	0.0401	0.0007	0.0408
296	0.066%	0.0419	0.0008	0.0427
297	0.070%	0.0444	0.0008	0.0452
298	0.069%	0.0435	0.0008	0.0443
299	0.075%	0.0476	0.0009	0.0485
300	0.077%	0.0484	0.0009	0.0493
301	0.075%	0.0474	0.0008	0.0483
302	0.074%	0.0470	0.0008	0.0479
303	0.073%	0.0458	0.0008	0.0466
304	0.071%	0.0450	0.0008	0.0458
305	0.075%	0.0472	0.0008	0.0481

Table C-2. Lap Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL Lap
306	0.075%	0.0472	0.0008	0.0481
307	0.079%	0.0501	0.0009	0.0510
308	0.086%	0.0544	0.0010	0.0553
309	0.100%	0.0632	0.0011	0.0643
310	0.098%	0.0617	0.0011	0.0628
311	0.090%	0.0568	0.0010	0.0578
312	0.088%	0.0554	0.0010	0.0564
313	0.086%	0.0544	0.0010	0.0553
314	0.094%	0.0591	0.0011	0.0601
315	0.096%	0.0609	0.0011	0.0620
316	0.103%	0.0652	0.0012	0.0664
317	0.109%	0.0689	0.0012	0.0701
318	0.111%	0.0699	0.0013	0.0712
319	0.102%	0.0646	0.0012	0.0658
320	0.098%	0.0619	0.0011	0.0630
321	0.097%	0.0615	0.0011	0.0626
322	0.096%	0.0603	0.0011	0.0614
323	0.092%	0.0583	0.0010	0.0593
324	0.090%	0.0566	0.0010	0.0576
325	0.090%	0.0566	0.0010	0.0576
326	0.096%	0.0605	0.0011	0.0616
327	0.099%	0.0628	0.0011	0.0639
328	0.099%	0.0625	0.0011	0.0637
329	0.119%	0.0748	0.0013	0.0762
330	0.155%	0.0977	0.0017	0.0995
331	0.136%	0.0861	0.0015	0.0876
332	0.119%	0.0752	0.0013	0.0766
333	0.105%	0.0660	0.0012	0.0672
334	0.109%	0.0691	0.0012	0.0703
335	0.127%	0.0803	0.0014	0.0818
336	0.119%	0.0752	0.0013	0.0766
337	0.110%	0.0697	0.0012	0.0710
338	0.118%	0.0746	0.0013	0.0759
339	0.152%	0.0961	0.0017	0.0978
340	0.139%	0.0875	0.0016	0.0891
341	0.114%	0.0722	0.0013	0.0734
342	0.105%	0.0662	0.0012	0.0674
343	0.096%	0.0609	0.0011	0.0620
344	0.093%	0.0589	0.0011	0.0599
345	0.096%	0.0603	0.0011	0.0614
346	0.108%	0.0681	0.0012	0.0693
347	0.106%	0.0666	0.0012	0.0678
348	0.106%	0.0666	0.0012	0.0678
349	0.107%	0.0673	0.0012	0.0685
350	0.105%	0.0664	0.0012	0.0676
351	0.111%	0.0701	0.0013	0.0714
352	0.108%	0.0685	0.0012	0.0697
353	0.105%	0.0664	0.0012	0.0676
354	0.101%	0.0640	0.0011	0.0651
355	0.098%	0.0617	0.0011	0.0628
356	0.094%	0.0591	0.0011	0.0601

Table C-2. Lap Creek: Daily Load Allocations and TMDL

Calendar Day	% of Annual Flow	Natural Background	Roads	TMDL Lap
357	0.092%	0.0581	0.0010	0.0591
358	0.090%	0.0568	0.0010	0.0578
359	0.087%	0.0548	0.0010	0.0558
360	0.085%	0.0534	0.0010	0.0543
361	0.093%	0.0587	0.0011	0.0597
362	0.107%	0.0673	0.0012	0.0685
363	0.099%	0.0628	0.0011	0.0639
364	0.089%	0.0560	0.0010	0.0570
365	0.087%	0.0552	0.0010	0.0562

Table C-3. South Fork Yaak River: Daily Load Allocations and TMDL

Calendar Day	% of annual flow	Natural Background	Roads	TMDL South Fork
1	0.086%	0.3833	0.0105	0.3938
2	0.083%	0.3674	0.0101	0.3775
3	0.082%	0.3645	0.0100	0.3746
4	0.081%	0.3588	0.0099	0.3686
5	0.078%	0.3473	0.0095	0.3568
6	0.077%	0.3444	0.0095	0.3538
7	0.080%	0.3573	0.0098	0.3672
8	0.093%	0.4121	0.0113	0.4234
9	0.091%	0.4049	0.0111	0.4160
10	0.096%	0.4279	0.0118	0.4397
11	0.092%	0.4107	0.0113	0.4219
12	0.090%	0.4006	0.0110	0.4116
13	0.092%	0.4092	0.0112	0.4205
14	0.091%	0.4034	0.0111	0.4145
15	0.104%	0.4640	0.0128	0.4767
16	0.149%	0.6614	0.0182	0.6795
17	0.146%	0.6513	0.0179	0.6692
18	0.122%	0.5418	0.0149	0.5567
19	0.111%	0.4942	0.0136	0.5078
20	0.106%	0.4726	0.0130	0.4856
21	0.100%	0.4438	0.0122	0.4560
22	0.097%	0.4308	0.0118	0.4427
23	0.096%	0.4251	0.0117	0.4367
24	0.094%	0.4193	0.0115	0.4308
25	0.094%	0.4164	0.0114	0.4279
26	0.091%	0.4063	0.0112	0.4175
27	0.091%	0.4049	0.0111	0.4160
28	0.091%	0.4049	0.0111	0.4160
29	0.091%	0.4049	0.0111	0.4160
30	0.093%	0.4150	0.0114	0.4264
31	0.098%	0.4366	0.0120	0.4486
32	0.101%	0.4481	0.0123	0.4604
33	0.102%	0.4553	0.0125	0.4678
34	0.099%	0.4424	0.0122	0.4545
35	0.098%	0.4351	0.0120	0.4471
36	0.098%	0.4366	0.0120	0.4486
37	0.097%	0.4337	0.0119	0.4456
38	0.097%	0.4337	0.0119	0.4456
39	0.100%	0.4452	0.0122	0.4575
40	0.130%	0.5778	0.0159	0.5937
41	0.119%	0.5274	0.0145	0.5419
42	0.108%	0.4827	0.0133	0.4960
43	0.104%	0.4611	0.0127	0.4738
44	0.101%	0.4510	0.0124	0.4634
45	0.100%	0.4452	0.0122	0.4575
46	0.101%	0.4481	0.0123	0.4604
47	0.104%	0.4625	0.0127	0.4752
48	0.106%	0.4726	0.0130	0.4856
49	0.106%	0.4726	0.0130	0.4856
50	0.110%	0.4913	0.0135	0.5048

Table C-3. South Fork Yaak River: Daily Load Allocations and TMDL

Calendar Day	% of annual flow	Natural Background	Roads	TMDL South Fork
51	0.123%	0.5475	0.0150	0.5626
52	0.135%	0.6008	0.0165	0.6174
53	0.136%	0.6066	0.0167	0.6233
54	0.141%	0.6268	0.0172	0.6440
55	0.132%	0.5879	0.0162	0.6040
56	0.133%	0.5922	0.0163	0.6085
57	0.134%	0.5980	0.0164	0.6144
58	0.132%	0.5864	0.0161	0.6026
59	0.131%	0.5821	0.0160	0.5981
60	0.154%	0.6859	0.0188	0.7047
61	0.134%	0.5965	0.0164	0.6129
62	0.130%	0.5778	0.0159	0.5937
63	0.130%	0.5778	0.0159	0.5937
64	0.132%	0.5879	0.0162	0.6040
65	0.135%	0.6023	0.0166	0.6188
66	0.138%	0.6124	0.0168	0.6292
67	0.139%	0.6196	0.0170	0.6366
68	0.146%	0.6498	0.0179	0.6677
69	0.144%	0.6412	0.0176	0.6588
70	0.149%	0.6628	0.0182	0.6810
71	0.160%	0.7104	0.0195	0.7299
72	0.163%	0.7248	0.0199	0.7447
73	0.165%	0.7349	0.0202	0.7550
74	0.170%	0.7565	0.0208	0.7773
75	0.172%	0.7651	0.0210	0.7861
76	0.179%	0.7968	0.0219	0.8187
77	0.194%	0.8616	0.0237	0.8853
78	0.191%	0.8501	0.0234	0.8735
79	0.194%	0.8616	0.0237	0.8853
80	0.205%	0.9106	0.0250	0.9357
81	0.204%	0.9078	0.0249	0.9327
82	0.205%	0.9106	0.0250	0.9357
83	0.218%	0.9697	0.0267	0.9964
84	0.229%	1.0187	0.0280	1.0467
85	0.232%	1.0346	0.0284	1.0630
86	0.243%	1.0835	0.0298	1.1133
87	0.260%	1.1585	0.0318	1.1903
88	0.272%	1.2103	0.0333	1.2436
89	0.281%	1.2492	0.0343	1.2836
90	0.294%	1.3083	0.0360	1.3443
91	0.314%	1.3991	0.0385	1.4376
92	0.323%	1.4394	0.0396	1.4790
93	0.340%	1.5129	0.0416	1.5545
94	0.363%	1.6138	0.0444	1.6581
95	0.382%	1.7002	0.0467	1.7470
96	0.424%	1.8876	0.0519	1.9394
97	0.466%	2.0749	0.0570	2.1319
98	0.512%	2.2766	0.0626	2.3392
99	0.508%	2.2622	0.0622	2.3244
100	0.521%	2.3198	0.0638	2.3836
101	0.534%	2.3775	0.0653	2.4428

Table C-3. South Fork Yaak River: Daily Load Allocations and TMDL

Calendar Day	% of annual flow	Natural Background	Roads	TMDL South Fork
102	0.541%	2.4063	0.0661	2.4724
103	0.554%	2.4639	0.0677	2.5316
104	0.570%	2.5360	0.0697	2.6057
105	0.605%	2.6945	0.0741	2.7685
106	0.615%	2.7377	0.0752	2.8129
107	0.609%	2.7089	0.0744	2.7833
108	0.605%	2.6945	0.0741	2.7685
109	0.628%	2.7953	0.0768	2.8721
110	0.638%	2.8385	0.0780	2.9166
111	0.680%	3.0259	0.0832	3.1090
112	0.716%	3.1844	0.0875	3.2719
113	0.725%	3.2276	0.0887	3.3163
114	0.761%	3.3861	0.0931	3.4791
115	0.842%	3.7463	0.1030	3.8493
116	0.861%	3.8328	0.1053	3.9381
117	0.829%	3.6887	0.1014	3.7900
118	0.813%	3.6166	0.0994	3.7160
119	0.835%	3.7175	0.1022	3.8197
120	0.865%	3.8472	0.1057	3.9529
121	0.894%	3.9768	0.1093	4.0861
122	0.933%	4.1497	0.1140	4.2638
123	0.955%	4.2506	0.1168	4.3674
124	0.978%	4.3515	0.1196	4.4711
125	0.981%	4.3659	0.1200	4.4859
126	0.991%	4.4091	0.1212	4.5303
127	1.017%	4.5244	0.1243	4.6487
128	1.046%	4.6541	0.1279	4.7820
129	1.065%	4.7405	0.1303	4.8708
130	1.081%	4.8126	0.1323	4.9448
131	1.104%	4.9134	0.1350	5.0485
132	1.107%	4.9278	0.1354	5.0633
133	1.104%	4.9134	0.1350	5.0485
134	1.120%	4.9855	0.1370	5.1225
135	1.133%	5.0431	0.1386	5.1817
136	1.166%	5.1872	0.1426	5.3297
137	1.205%	5.3601	0.1473	5.5074
138	1.217%	5.4177	0.1489	5.5666
139	1.217%	5.4177	0.1489	5.5666
140	1.195%	5.3169	0.1461	5.4630
141	1.192%	5.3025	0.1457	5.4482
142	1.201%	5.3457	0.1469	5.4926
143	1.208%	5.3745	0.1477	5.5222
144	1.198%	5.3313	0.1465	5.4778
145	1.166%	5.1872	0.1426	5.3297
146	1.153%	5.1296	0.1410	5.2705
147	1.146%	5.1007	0.1402	5.2409
148	1.140%	5.0719	0.1394	5.2113
149	1.114%	4.9566	0.1362	5.0929
150	1.069%	4.7549	0.1307	4.8856
151	1.065%	4.7405	0.1303	4.8708
152	1.039%	4.6252	0.1271	4.7524

Table C-3. South Fork Yaak River: Daily Load Allocations and TMDL

Calendar Day	% of annual flow	Natural Background	Roads	TMDL South Fork
153	1.007%	4.4812	0.1232	4.6043
154	0.988%	4.3947	0.1208	4.5155
155	0.971%	4.3227	0.1188	4.4415
156	0.929%	4.1353	0.1137	4.2490
157	0.897%	3.9913	0.1097	4.1009
158	0.861%	3.8328	0.1053	3.9381
159	0.822%	3.6598	0.1006	3.7604
160	0.790%	3.5158	0.0966	3.6124
161	0.754%	3.3573	0.0923	3.4495
162	0.709%	3.1555	0.0867	3.2423
163	0.677%	3.0114	0.0828	3.0942
164	0.657%	2.9250	0.0804	3.0054
165	0.644%	2.8674	0.0788	2.9462
166	0.622%	2.7665	0.0760	2.8425
167	0.612%	2.7233	0.0748	2.7981
168	0.609%	2.7089	0.0744	2.7833
169	0.583%	2.5936	0.0713	2.6649
170	0.547%	2.4351	0.0669	2.5020
171	0.505%	2.2478	0.0618	2.3096
172	0.476%	2.1181	0.0582	2.1763
173	0.453%	2.0172	0.0554	2.0727
174	0.437%	1.9452	0.0535	1.9987
175	0.414%	1.8443	0.0507	1.8950
176	0.392%	1.7435	0.0479	1.7914
177	0.372%	1.6570	0.0455	1.7026
178	0.353%	1.5706	0.0432	1.6137
179	0.340%	1.5129	0.0416	1.5545
180	0.327%	1.4553	0.0400	1.4953
181	0.309%	1.3746	0.0378	1.4124
182	0.301%	1.3415	0.0369	1.3783
183	0.283%	1.2608	0.0347	1.2954
184	0.269%	1.1974	0.0329	1.2303
185	0.254%	1.1311	0.0311	1.1622
186	0.241%	1.0706	0.0294	1.1000
187	0.228%	1.0129	0.0278	1.0408
188	0.217%	0.9654	0.0265	0.9919
189	0.208%	0.9250	0.0254	0.9505
190	0.198%	0.8789	0.0242	0.9031
191	0.191%	0.8487	0.0233	0.8720
192	0.187%	0.8314	0.0228	0.8542
193	0.180%	0.7997	0.0220	0.8217
194	0.169%	0.7536	0.0207	0.7743
195	0.166%	0.7406	0.0204	0.7610
196	0.165%	0.7334	0.0202	0.7536
197	0.156%	0.6945	0.0191	0.7136
198	0.148%	0.6585	0.0181	0.6766
199	0.141%	0.6268	0.0172	0.6440
200	0.136%	0.6037	0.0166	0.6203
201	0.131%	0.5821	0.0160	0.5981
202	0.125%	0.5576	0.0153	0.5729
203	0.120%	0.5360	0.0147	0.5507

Table C-3. South Fork Yaak River: Daily Load Allocations and TMDL

Calendar Day	% of annual flow	Natural Background	Roads	TMDL South Fork
204	0.115%	0.5115	0.0141	0.5256
205	0.110%	0.4913	0.0135	0.5048
206	0.107%	0.4741	0.0130	0.4871
207	0.104%	0.4640	0.0128	0.4767
208	0.103%	0.4582	0.0126	0.4708
209	0.099%	0.4424	0.0122	0.4545
210	0.095%	0.4207	0.0116	0.4323
211	0.090%	0.4006	0.0110	0.4116
212	0.087%	0.3890	0.0107	0.3997
213	0.085%	0.3761	0.0103	0.3864
214	0.081%	0.3617	0.0099	0.3716
215	0.080%	0.3559	0.0098	0.3657
216	0.079%	0.3501	0.0096	0.3598
217	0.076%	0.3372	0.0093	0.3464
218	0.074%	0.3300	0.0091	0.3390
219	0.073%	0.3228	0.0089	0.3316
220	0.071%	0.3156	0.0087	0.3242
221	0.069%	0.3083	0.0085	0.3168
222	0.067%	0.2997	0.0082	0.3079
223	0.065%	0.2911	0.0080	0.2991
224	0.063%	0.2824	0.0078	0.2902
225	0.063%	0.2795	0.0077	0.2872
226	0.062%	0.2752	0.0076	0.2828
227	0.061%	0.2694	0.0074	0.2769
228	0.060%	0.2680	0.0074	0.2754
229	0.061%	0.2709	0.0074	0.2783
230	0.059%	0.2637	0.0072	0.2709
231	0.059%	0.2608	0.0072	0.2680
232	0.057%	0.2550	0.0070	0.2620
233	0.056%	0.2507	0.0069	0.2576
234	0.056%	0.2478	0.0068	0.2546
235	0.055%	0.2464	0.0068	0.2532
236	0.056%	0.2478	0.0068	0.2546
237	0.057%	0.2536	0.0070	0.2606
238	0.057%	0.2536	0.0070	0.2606
239	0.056%	0.2493	0.0069	0.2561
240	0.055%	0.2435	0.0067	0.2502
241	0.053%	0.2377	0.0065	0.2443
242	0.053%	0.2349	0.0065	0.2413
243	0.052%	0.2305	0.0063	0.2369
244	0.051%	0.2291	0.0063	0.2354
245	0.052%	0.2305	0.0063	0.2369
246	0.052%	0.2334	0.0064	0.2398
247	0.052%	0.2305	0.0063	0.2369
248	0.051%	0.2277	0.0063	0.2339
249	0.051%	0.2291	0.0063	0.2354
250	0.051%	0.2262	0.0062	0.2324
251	0.050%	0.2233	0.0061	0.2295
252	0.049%	0.2161	0.0059	0.2221
253	0.049%	0.2161	0.0059	0.2221
254	0.048%	0.2133	0.0059	0.2191

Table C-3. South Fork Yaak River: Daily Load Allocations and TMDL

Calendar Day	% of annual flow	Natural Background	Roads	TMDL South Fork
255	0.049%	0.2161	0.0059	0.2221
256	0.049%	0.2176	0.0060	0.2236
257	0.049%	0.2161	0.0059	0.2221
258	0.049%	0.2190	0.0060	0.2250
259	0.053%	0.2363	0.0065	0.2428
260	0.056%	0.2478	0.0068	0.2546
261	0.052%	0.2320	0.0064	0.2384
262	0.055%	0.2435	0.0067	0.2502
263	0.055%	0.2450	0.0067	0.2517
264	0.054%	0.2421	0.0067	0.2487
265	0.055%	0.2435	0.0067	0.2502
266	0.055%	0.2450	0.0067	0.2517
267	0.055%	0.2450	0.0067	0.2517
268	0.054%	0.2421	0.0067	0.2487
269	0.054%	0.2392	0.0066	0.2458
270	0.053%	0.2377	0.0065	0.2443
271	0.054%	0.2392	0.0066	0.2458
272	0.054%	0.2406	0.0066	0.2472
273	0.052%	0.2334	0.0064	0.2398
274	0.052%	0.2305	0.0063	0.2369
275	0.055%	0.2450	0.0067	0.2517
276	0.055%	0.2450	0.0067	0.2517
277	0.055%	0.2435	0.0067	0.2502
278	0.054%	0.2421	0.0067	0.2487
279	0.054%	0.2421	0.0067	0.2487
280	0.054%	0.2421	0.0067	0.2487
281	0.054%	0.2392	0.0066	0.2458
282	0.054%	0.2406	0.0066	0.2472
283	0.056%	0.2507	0.0069	0.2576
284	0.057%	0.2522	0.0069	0.2591
285	0.058%	0.2594	0.0071	0.2665
286	0.062%	0.2781	0.0076	0.2857
287	0.063%	0.2824	0.0078	0.2902
288	0.063%	0.2795	0.0077	0.2872
289	0.064%	0.2839	0.0078	0.2917
290	0.064%	0.2853	0.0078	0.2931
291	0.064%	0.2839	0.0078	0.2917
292	0.062%	0.2738	0.0075	0.2813
293	0.061%	0.2709	0.0074	0.2783
294	0.061%	0.2709	0.0074	0.2783
295	0.063%	0.2824	0.0078	0.2902
296	0.066%	0.2954	0.0081	0.3035
297	0.070%	0.3127	0.0086	0.3213
298	0.069%	0.3069	0.0084	0.3153
299	0.075%	0.3357	0.0092	0.3450
300	0.077%	0.3415	0.0094	0.3509
301	0.075%	0.3343	0.0092	0.3435
302	0.074%	0.3314	0.0091	0.3405
303	0.073%	0.3228	0.0089	0.3316
304	0.071%	0.3170	0.0087	0.3257
305	0.075%	0.3328	0.0091	0.3420

Table C-3. South Fork Yaak River: Daily Load Allocations and TMDL

Calendar Day	% of annual flow	Natural Background	Roads	TMDL South Fork
306	0.075%	0.3328	0.0091	0.3420
307	0.079%	0.3530	0.0097	0.3627
308	0.086%	0.3833	0.0105	0.3938
309	0.100%	0.4452	0.0122	0.4575
310	0.098%	0.4351	0.0120	0.4471
311	0.090%	0.4006	0.0110	0.4116
312	0.088%	0.3905	0.0107	0.4012
313	0.086%	0.3833	0.0105	0.3938
314	0.094%	0.4164	0.0114	0.4279
315	0.096%	0.4294	0.0118	0.4412
316	0.103%	0.4596	0.0126	0.4723
317	0.109%	0.4856	0.0133	0.4989
318	0.111%	0.4928	0.0135	0.5063
319	0.102%	0.4553	0.0125	0.4678
320	0.098%	0.4366	0.0120	0.4486
321	0.097%	0.4337	0.0119	0.4456
322	0.096%	0.4251	0.0117	0.4367
323	0.092%	0.4107	0.0113	0.4219
324	0.090%	0.3991	0.0110	0.4101
325	0.090%	0.3991	0.0110	0.4101
326	0.096%	0.4265	0.0117	0.4382
327	0.099%	0.4424	0.0122	0.4545
328	0.099%	0.4409	0.0121	0.4530
329	0.119%	0.5274	0.0145	0.5419
330	0.155%	0.6887	0.0189	0.7077
331	0.136%	0.6066	0.0167	0.6233
332	0.119%	0.5302	0.0146	0.5448
333	0.105%	0.4654	0.0128	0.4782
334	0.109%	0.4870	0.0134	0.5004
335	0.127%	0.5663	0.0156	0.5818
336	0.119%	0.5302	0.0146	0.5448
337	0.110%	0.4913	0.0135	0.5048
338	0.118%	0.5259	0.0145	0.5404
339	0.152%	0.6772	0.0186	0.6958
340	0.139%	0.6167	0.0169	0.6336
341	0.114%	0.5086	0.0140	0.5226
342	0.105%	0.4668	0.0128	0.4797
343	0.096%	0.4294	0.0118	0.4412
344	0.093%	0.4150	0.0114	0.4264
345	0.096%	0.4251	0.0117	0.4367
346	0.108%	0.4798	0.0132	0.4930
347	0.106%	0.4697	0.0129	0.4826
348	0.106%	0.4697	0.0129	0.4826
349	0.107%	0.4741	0.0130	0.4871
350	0.105%	0.4683	0.0129	0.4812
351	0.111%	0.4942	0.0136	0.5078
352	0.108%	0.4827	0.0133	0.4960
353	0.105%	0.4683	0.0129	0.4812
354	0.101%	0.4510	0.0124	0.4634
355	0.098%	0.4351	0.0120	0.4471
356	0.094%	0.4164	0.0114	0.4279

Table C-3. South Fork Yaak River: Daily Load Allocations and TMDL

Calendar Day	% of annual flow	Natural Background	Roads	TMDL South Fork
357	0.092%	0.4092	0.0112	0.4205
358	0.090%	0.4006	0.0110	0.4116
359	0.087%	0.3862	0.0106	0.3968
360	0.085%	0.3761	0.0103	0.3864
361	0.093%	0.4135	0.0114	0.4249
362	0.107%	0.4741	0.0130	0.4871
363	0.099%	0.4424	0.0122	0.4545
364	0.089%	0.3948	0.0109	0.4057
365	0.087%	0.3890	0.0107	0.3997