

APPENDIX H - SEDIMENT TOTAL MAXIMUM DAILY LOAD ESTIMATES

TABLE OF CONTENTS

H1.0 Introduction	H-2
H2.0 Calculations.....	H-3
H3.0 Sediment Total Maximum Daily Loads	H-6

H1.0 INTRODUCTION

The approaches used to estimate sediment loading from bank erosion, roads, and upland sources each use a modeling framework that estimates annual loads (BEHI, WEPP, and USLE respectively; **Appendices E-G**). The preferred approach for calculating daily sediment loads is to use a nearby water quality gage with a long-term dataset for flow and suspended sediment, and to distribute the annual loads estimated from these other methods over the course of a year based on the discharge-total suspended sediment relationship. A similar modified approach was used to estimate Total Maximum Daily Loads for segments impaired for sediment in the Red Rock TPA. However, it should be noted that many streams in the Red Rock have extensive modification of flow pathways near the mouth for irrigation purposes. Therefore, not all sediment may reach downstream waterways.

The only current stream gauges in the Red Rock TPA are the Red Rock River at Lima Reservoir (06012500) and Red Rock Creek above Red Rock Lakes (06006000). However, the Red Rock River is affected by the presence of reservoirs, and the USGS did not collect suspended sediment data at Red Rock Creek.

Therefore, a relationship between normalized flow and normalized TSS previously developed with combined data from Cherry and Jack Creeks in the adjacent Madison drainage was used to estimate loads (Figure F-1) (DEQ 2020), with the assumption that this relationship is similar for streams in the Red Rock TPA. This relationship essentially describes the amount that TSS increases as flow increases, which was nearly a 1:1 relationship. For instance, if the maximum average daily flow is 10 cfs, then 3 cfs equates to a normalized flow of 0.3 and a normalized TSS of approximately 0.3.

The average flow for each day of year was obtained from the Red Rock Creek gauge for the years 2011-2021. The relationship in **Figure H-1** was used to predict the normalized TSS given the normalized flow. Finally, the average normalized TSS on a day of year was divided by the sum across all normalized TSS values to obtain the estimated proportion of annual sediment loads occurring on a given day (**Figure F-2**). This value was then multiplied by the total annual load for each impaired segment to obtain the Total Maximum Daily Load estimates, with the assumption that flow hydrographs and flow:TSS relationships are similar across the subwatersheds. **Section H2** provides step-by-step calculations and an example using Bean Creek data.

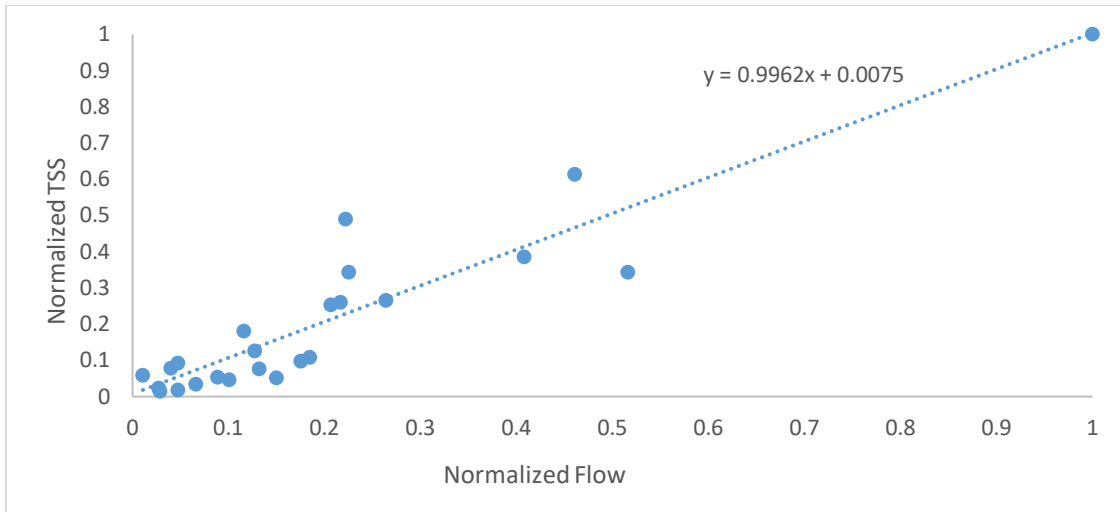


Figure H-1. Relationship between normalized flow at Cherry Creek and Jack Creek and normalized TSS.

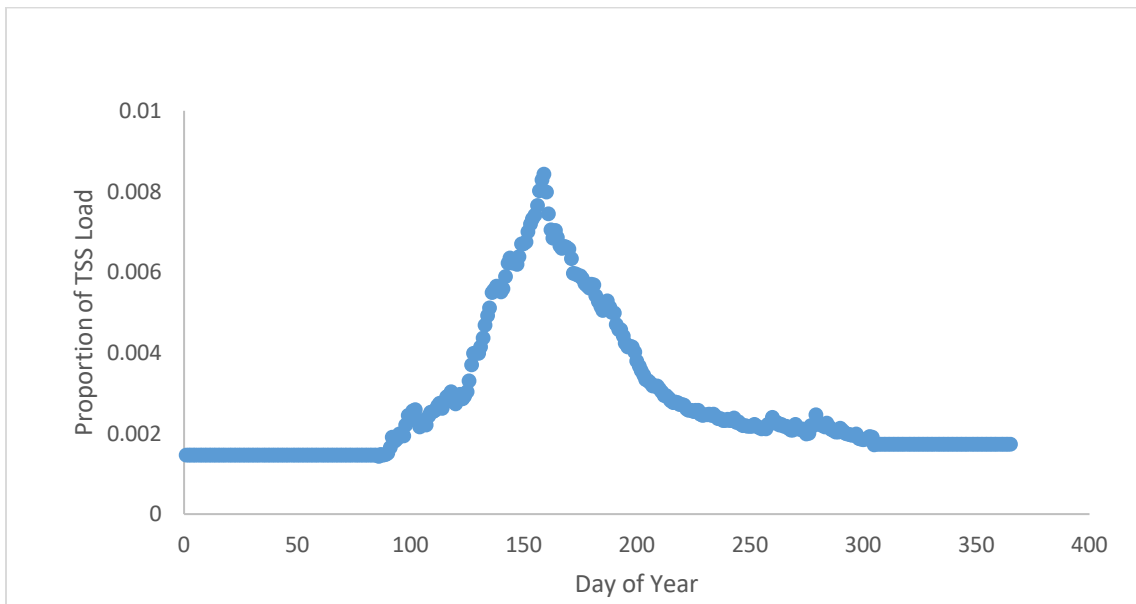


Figure H-2. Estimated Proportion of TSS Load occurring on each day of the year.

H2.0 CALCULATIONS

1. Estimate relationship between normalized flow and normalized TSS based on measurements at Jack Creek and Cherry Creeks in the Madison drainage, in which 0 represents the lowest flow and TSS observed and 1 represents the maximum flow or TSS observed during the period of record. The normalized flow or TSS is calculated as :

$$\frac{(\text{Max Daily Value Observed} - \text{Min Daily Value Observed})}{\text{Max Daily Value Observed}}$$
2. Using average flow measured at gauge on Red Rock Creek for each day from 2011-2021, determine the normalized flow as:

Daily Flow/Max(All Average Daily Flows)

3. Use the equation in Step one to estimate the normalized TSS value for each day of year.
4. Divide estimate normalized TSS from a given day over the sum of normalized TSS across all days to get the daily proportion.
5. Multiply this daily proportion by the total load estimated from Bank Erosion + Upland Erosion + Unpaved Roads:

$$\text{Daily Load} = \text{Annual Load}_{\text{Roads+Bank Erosion + Upland (Tons)}} * \text{Daily Load Proportion}$$

This method is illustrated in an example, using data from Bean Creek. This example is from days 131 to 147 (May 11 to May 27), with a maximum average daily flow from Red Rock Creek of 120 cfs on day 159 (used to determine the normalized flow given similar hydrologic conditions) and an annual load with BMPs implemented of 561 tons/yr (**Table H-1**).

Table H-1. Example: Total Maximum Daily Load Calculations for Bean Creek

Day of Year	Average Daily Flow(cfs) : Red Rock Gauge	Normalized Flow (Average Daily Flow/max flow, 120 cfs)	Estimated Normalized TSS (0.996 * Normalized Flow + 0.0075)	Proportion of annual TSS (Estimated normalized TSS/Sum(all normalized TSS, 119.1))	Total Daily Load (Proportion of Annual Load * Annual Load of 568 tons/yr)
131	58.7221	0.4881	0.4938	0.0041	2.3548
132	61.8817	0.5144	0.5199	0.0044	2.4796
133	66.4897	0.5527	0.5581	0.0047	2.6615
134	69.7833	0.5801	0.5854	0.0049	2.7916
135	72.6837	0.6042	0.6094	0.0051	2.9061
136	78.0348	0.6486	0.6537	0.0055	3.1175
137	78.9176	0.6560	0.6610	0.0055	3.1523
138	80.4251	0.6685	0.6735	0.0057	3.2119
139	79.5821	0.6615	0.6665	0.0056	3.1786
140	78.4057	0.6517	0.6568	0.0055	3.1321
141	79.4087	0.6601	0.6651	0.0056	3.1717
142	83.8648	0.6971	0.7020	0.0059	3.3477
143	88.5248	0.7358	0.7405	0.0062	3.5317
144	90.4838	0.7521	0.7568	0.0064	3.6091
145	88.6671	0.7370	0.7417	0.0062	3.5373
146	89.0443	0.7402	0.7448	0.0063	3.5522
147	88.2582	0.7336	0.7383	0.0062	3.5212
.

Table H-1. Example: Total Maximum Daily Load Calculations for Bean Creek

Day of Year	Average Daily Flow(cfs) : Red Rock Gauge	Normalized Flow (Average Daily Flow/max flow, 120 cfs)	Estimated Normalized TSS (0.996 * Normalized Flow + 0.0075)	Proportion of annual TSS (Estimated normalized TSS/Sum(all normalized TSS , 119.1)	Total Daily Load (Proportion of Annual Load * Annual Load of 568 tons/yr)
.
.
159	120.3045	0.7336	0.7383	0.0062	3.5212

H3.0 SEDIMENT TOTAL MAXIMUM DAILY LOADS

To estimate total Maximum Daily Loads, the estimated daily load proportion of sediment using the method described in **Section H-2** was multiplied by the current estimated annual load for each subwatershed after implementing BMPs as described in Section **6.7** of the main TMDL document.

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
1	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
2	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
3	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
4	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
5	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
6	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
7	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
8	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
9	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
10	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
11	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
12	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
13	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
14	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
15	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
16	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
17	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
18	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
19	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
20	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
21	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
22	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
23	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
24	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
25	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
26	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
27	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
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29	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
30	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
31	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
32	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
33	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
34	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
35	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
36	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
37	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
38	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
39	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
40	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145

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41	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
42	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
43	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
44	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
45	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
46	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
47	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
48	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
49	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
50	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
51	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
52	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
53	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
54	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
55	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
56	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
57	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
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59	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
60	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
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62	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
63	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145

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64	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
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66	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
67	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
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70	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
71	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
72	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
73	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
74	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
75	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
76	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
77	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
78	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
79	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
80	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
81	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
82	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
83	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
84	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
85	0.825	9.690	0.436	0.508	0.828	22.257	1.094	1.778	7.018	2.287	4.734	1.379	1.438	3.379	8.465	1.315	0.859	3.145
86	0.812	9.530	0.429	0.500	0.814	21.892	1.076	1.749	6.903	2.249	4.657	1.356	1.415	3.324	8.326	1.293	0.844	3.093

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
87	0.842	9.893	0.445	0.519	0.845	22.723	1.117	1.815	7.165	2.334	4.834	1.408	1.468	3.450	8.642	1.342	0.877	3.211
88	0.834	9.791	0.440	0.514	0.837	22.490	1.105	1.797	7.092	2.311	4.784	1.393	1.453	3.414	8.554	1.328	0.868	3.178
89	0.835	9.811	0.441	0.515	0.838	22.535	1.108	1.800	7.106	2.315	4.793	1.396	1.456	3.421	8.571	1.331	0.869	3.184
90	0.857	10.059	0.452	0.528	0.860	23.106	1.136	1.846	7.286	2.374	4.915	1.431	1.493	3.508	8.788	1.365	0.891	3.265
91	0.935	10.978	0.494	0.576	0.938	25.216	1.239	2.015	7.951	2.591	5.364	1.562	1.629	3.828	9.591	1.490	0.973	3.563
92	1.079	12.667	0.570	0.665	1.083	29.096	1.430	2.325	9.175	2.989	6.189	1.802	1.880	4.417	11.066	1.719	1.122	4.112
93	1.025	12.040	0.542	0.632	1.029	27.655	1.359	2.209	8.720	2.841	5.883	1.713	1.787	4.199	10.518	1.634	1.067	3.908
94	1.055	12.392	0.557	0.650	1.059	28.463	1.399	2.274	8.975	2.924	6.055	1.763	1.839	4.321	10.825	1.681	1.098	4.022
95	1.125	13.207	0.594	0.693	1.129	30.337	1.491	2.424	9.566	3.117	6.453	1.879	1.960	4.606	11.538	1.792	1.170	4.287
96	1.099	12.906	0.580	0.677	1.103	29.645	1.457	2.368	9.348	3.046	6.306	1.836	1.916	4.501	11.275	1.751	1.144	4.189
97	1.103	12.956	0.583	0.680	1.107	29.759	1.463	2.377	9.384	3.057	6.330	1.843	1.923	4.518	11.318	1.758	1.148	4.205
98	1.249	14.668	0.660	0.770	1.254	33.693	1.656	2.692	10.624	3.461	7.167	2.087	2.177	5.115	12.814	1.990	1.300	4.761
99	1.386	16.278	0.732	0.854	1.391	37.390	1.838	2.987	11.790	3.841	7.953	2.316	2.416	5.676	14.220	2.209	1.442	5.283
100	1.347	15.814	0.711	0.830	1.351	36.324	1.785	2.902	11.454	3.732	7.727	2.250	2.347	5.515	13.815	2.146	1.401	5.133
101	1.452	17.050	0.767	0.895	1.457	39.165	1.925	3.129	12.349	4.024	8.331	2.426	2.531	5.946	14.895	2.313	1.511	5.534
102	1.467	17.231	0.775	0.904	1.473	39.581	1.945	3.162	12.481	4.066	8.419	2.452	2.558	6.009	15.054	2.338	1.527	5.593
103	1.307	15.351	0.690	0.806	1.312	35.260	1.733	2.817	11.118	3.622	7.500	2.184	2.278	5.353	13.410	2.083	1.360	4.983
104	1.223	14.360	0.646	0.754	1.227	32.984	1.621	2.635	10.401	3.389	7.016	2.043	2.131	5.008	12.545	1.948	1.272	4.661
105	1.317	15.470	0.696	0.812	1.322	35.535	1.746	2.839	11.205	3.651	7.559	2.201	2.296	5.395	13.515	2.099	1.371	5.021
106	1.263	14.832	0.667	0.778	1.267	34.069	1.674	2.722	10.742	3.500	7.247	2.110	2.201	5.172	12.957	2.012	1.314	4.814
107	1.250	14.676	0.660	0.770	1.254	33.710	1.657	2.693	10.629	3.463	7.171	2.088	2.178	5.118	12.821	1.991	1.300	4.763
108	1.382	16.231	0.730	0.852	1.387	37.283	1.832	2.979	11.756	3.830	7.931	2.309	2.409	5.660	14.180	2.202	1.438	5.268
109	1.430	16.792	0.755	0.881	1.435	38.572	1.896	3.082	12.163	3.963	8.205	2.389	2.492	5.856	14.670	2.278	1.488	5.451

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
110	1.440	16.907	0.760	0.887	1.445	38.835	1.909	3.103	12.245	3.990	8.261	2.405	2.509	5.896	14.770	2.294	1.498	5.488
111	1.465	17.199	0.774	0.903	1.470	39.507	1.942	3.156	12.457	4.059	8.404	2.447	2.553	5.998	15.026	2.334	1.524	5.583
112	1.522	17.871	0.804	0.938	1.527	41.049	2.017	3.279	12.944	4.217	8.732	2.543	2.652	6.232	15.612	2.425	1.583	5.801
113	1.563	18.359	0.826	0.963	1.569	42.171	2.073	3.369	13.297	4.332	8.970	2.612	2.725	6.402	16.039	2.491	1.627	5.959
114	1.491	17.505	0.787	0.919	1.496	40.209	1.976	3.212	12.679	4.131	8.553	2.491	2.598	6.105	15.293	2.375	1.551	5.682
115	1.556	18.269	0.822	0.959	1.561	41.965	2.063	3.353	13.232	4.311	8.927	2.599	2.712	6.371	15.960	2.479	1.619	5.930
116	1.654	19.424	0.874	1.019	1.660	44.616	2.193	3.564	14.068	4.584	9.490	2.764	2.883	6.774	16.969	2.635	1.721	6.305
117	1.674	19.664	0.884	1.032	1.680	45.167	2.220	3.608	14.242	4.640	9.608	2.798	2.919	6.857	17.178	2.668	1.742	6.383
118	1.726	20.271	0.912	1.064	1.732	46.562	2.288	3.720	14.682	4.784	9.904	2.884	3.009	7.069	17.709	2.750	1.796	6.580
119	1.605	18.846	0.848	0.989	1.611	43.290	2.128	3.458	13.650	4.447	9.208	2.681	2.797	6.572	16.464	2.557	1.670	6.117
120	1.555	18.260	0.821	0.958	1.560	41.943	2.061	3.351	13.226	4.309	8.922	2.598	2.710	6.368	15.952	2.478	1.618	5.927
121	1.602	18.808	0.846	0.987	1.607	43.203	2.123	3.452	13.623	4.438	9.190	2.676	2.792	6.559	16.431	2.552	1.667	6.105
122	1.686	19.804	0.891	1.039	1.692	45.490	2.236	3.634	14.344	4.673	9.676	2.818	2.939	6.906	17.301	2.687	1.755	6.428
123	1.624	19.067	0.858	1.000	1.629	43.796	2.152	3.499	13.810	4.499	9.316	2.713	2.830	6.649	16.657	2.587	1.689	6.189
124	1.658	19.467	0.876	1.022	1.664	44.716	2.198	3.572	14.100	4.594	9.512	2.770	2.889	6.789	17.007	2.641	1.725	6.319
125	1.721	20.204	0.909	1.060	1.727	46.409	2.281	3.708	14.633	4.768	9.872	2.875	2.999	7.046	17.650	2.741	1.790	6.558
126	1.879	22.064	0.992	1.158	1.886	50.682	2.491	4.049	15.981	5.207	10.781	3.139	3.275	7.694	19.276	2.994	1.955	7.162
127	2.101	24.668	1.109	1.294	2.108	56.662	2.785	4.527	17.867	5.821	12.053	3.510	3.661	8.602	21.550	3.347	2.186	8.007
128	2.263	26.576	1.195	1.395	2.271	61.045	3.000	4.877	19.249	6.271	12.985	3.781	3.945	9.268	23.217	3.606	2.355	8.626
129	2.265	26.601	1.196	1.396	2.273	61.103	3.003	4.882	19.267	6.277	12.997	3.785	3.948	9.276	23.239	3.609	2.357	8.634
130	2.267	26.619	1.197	1.397	2.275	61.144	3.005	4.885	19.280	6.282	13.006	3.787	3.951	9.283	23.255	3.612	2.359	8.640
131	2.354	27.637	1.243	1.450	2.362	63.483	3.120	5.072	20.017	6.522	13.504	3.932	4.102	9.638	24.144	3.750	2.449	8.971
132	2.478	29.102	1.309	1.527	2.487	66.847	3.285	5.340	21.078	6.868	14.219	4.141	4.319	10.149	25.424	3.949	2.579	9.446

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
133	2.660	31.238	1.405	1.639	2.669	71.753	3.527	5.732	22.625	7.372	15.263	4.444	4.636	10.893	27.290	4.238	2.768	10.139
134	2.790	32.764	1.474	1.719	2.800	75.260	3.699	6.013	23.731	7.732	16.009	4.662	4.863	11.426	28.623	4.446	2.903	10.635
135	2.905	34.109	1.534	1.790	2.915	78.348	3.851	6.259	24.705	8.049	16.666	4.853	5.063	11.895	29.798	4.628	3.022	11.071
136	3.116	36.589	1.646	1.920	3.127	84.045	4.131	6.714	26.501	8.634	17.878	5.206	5.431	12.759	31.965	4.964	3.242	11.876
137	3.151	36.998	1.664	1.941	3.162	84.985	4.177	6.789	26.797	8.731	18.077	5.264	5.491	12.902	32.322	5.020	3.278	12.009
138	3.210	37.697	1.696	1.978	3.221	86.590	4.256	6.918	27.303	8.896	18.419	5.363	5.595	13.146	32.932	5.115	3.340	12.236
139	3.177	37.306	1.678	1.958	3.188	85.692	4.212	6.846	27.020	8.804	18.228	5.308	5.537	13.010	32.591	5.062	3.306	12.109
140	3.130	36.761	1.653	1.929	3.141	84.440	4.150	6.746	26.625	8.675	17.962	5.230	5.456	12.819	32.115	4.988	3.257	11.932
141	3.170	37.226	1.674	1.953	3.181	85.508	4.203	6.831	26.962	8.785	18.189	5.296	5.525	12.982	32.521	5.051	3.298	12.083
142	3.346	39.291	1.767	2.062	3.358	90.252	4.436	7.210	28.458	9.272	19.198	5.590	5.832	13.702	34.325	5.331	3.481	12.753
143	3.530	41.451	1.864	2.175	3.542	95.213	4.680	7.607	30.023	9.782	20.253	5.898	6.152	14.455	36.212	5.624	3.673	13.455
144	3.607	42.359	1.905	2.223	3.620	97.299	4.782	7.773	30.680	9.996	20.697	6.027	6.287	14.772	37.005	5.747	3.753	13.749
145	3.535	41.517	1.867	2.179	3.548	95.365	4.687	7.619	30.070	9.797	20.285	5.907	6.162	14.478	36.270	5.633	3.679	13.476
146	3.550	41.692	1.875	2.188	3.563	95.766	4.707	7.651	30.197	9.839	20.371	5.932	6.188	14.539	36.423	5.657	3.694	13.533
147	3.519	41.328	1.859	2.169	3.532	94.929	4.666	7.584	29.933	9.753	20.193	5.880	6.134	14.412	36.104	5.607	3.662	13.414
148	3.621	42.521	1.912	2.231	3.634	97.670	4.800	7.803	30.797	10.034	20.776	6.050	6.311	14.828	37.147	5.769	3.768	13.802
149	3.800	44.623	2.007	2.342	3.813	102.498	5.038	8.189	32.320	10.530	21.803	6.349	6.623	15.561	38.983	6.055	3.954	14.484
150	3.805	44.682	2.010	2.345	3.818	102.634	5.044	8.199	32.363	10.544	21.832	6.357	6.632	15.582	39.035	6.063	3.959	14.503
151	3.829	44.960	2.022	2.359	3.842	103.274	5.076	8.251	32.564	10.610	21.968	6.397	6.673	15.679	39.278	6.100	3.984	14.594
152	3.974	46.661	2.099	2.448	3.988	107.181	5.268	8.563	33.796	11.011	22.799	6.639	6.926	16.272	40.764	6.331	4.134	15.146
153	4.085	47.974	2.158	2.517	4.100	110.197	5.416	8.804	34.747	11.321	23.441	6.826	7.121	16.730	41.911	6.509	4.251	15.572
154	4.156	48.806	2.195	2.561	4.171	112.108	5.510	8.956	35.350	11.517	23.847	6.944	7.244	17.020	42.638	6.622	4.324	15.842
155	4.214	49.479	2.225	2.596	4.228	113.654	5.586	9.080	35.837	11.676	24.176	7.040	7.344	17.255	43.226	6.713	4.384	16.060

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
156	4.347	51.044	2.296	2.678	4.362	117.249	5.763	9.367	36.971	12.046	24.940	7.263	7.576	17.800	44.593	6.926	4.523	16.568
157	4.554	53.482	2.405	2.806	4.570	122.848	6.038	9.814	38.736	12.621	26.132	7.609	7.938	18.651	46.723	7.257	4.739	17.360
158	4.706	55.265	2.486	2.900	4.723	126.943	6.239	10.142	40.027	13.041	27.003	7.863	8.203	19.272	48.280	7.498	4.897	17.938
159	4.784	56.181	2.527	2.948	4.801	129.048	6.342	10.310	40.691	13.258	27.450	7.993	8.339	19.592	49.080	7.623	4.978	18.236
160	4.535	53.256	2.395	2.795	4.551	122.330	6.012	9.773	38.573	12.568	26.021	7.577	7.905	18.572	46.525	7.226	4.719	17.286
161	4.225	49.617	2.232	2.604	4.240	113.971	5.601	9.105	35.937	11.709	24.243	7.060	7.364	17.303	43.346	6.732	4.396	16.105
162	4.006	47.044	2.116	2.469	4.020	108.060	5.311	8.633	34.073	11.101	22.986	6.693	6.983	16.405	41.098	6.383	4.168	15.270
163	3.886	45.637	2.053	2.395	3.900	104.829	5.152	8.375	33.055	10.770	22.299	6.493	6.774	15.915	39.869	6.192	4.044	14.813
164	3.995	46.908	2.110	2.461	4.009	107.748	5.296	8.608	33.975	11.069	22.920	6.674	6.962	16.358	40.980	6.365	4.156	15.226
165	3.892	45.705	2.056	2.398	3.906	104.985	5.160	8.387	33.104	10.786	22.332	6.503	6.784	15.939	39.929	6.201	4.050	14.835
166	3.781	44.404	1.997	2.330	3.795	101.996	5.013	8.148	32.161	10.478	21.696	6.318	6.591	15.485	38.792	6.025	3.934	14.413
167	3.742	43.947	1.977	2.306	3.756	100.946	4.961	8.065	31.830	10.371	21.473	6.253	6.523	15.325	38.393	5.963	3.894	14.265
168	3.766	44.225	1.989	2.321	3.779	101.584	4.993	8.116	32.031	10.436	21.608	6.292	6.564	15.422	38.635	6.000	3.919	14.355
169	3.762	44.175	1.987	2.318	3.775	101.471	4.987	8.107	31.996	10.425	21.584	6.285	6.557	15.405	38.592	5.994	3.914	14.339
170	3.730	43.801	1.970	2.298	3.743	100.610	4.945	8.038	31.724	10.336	21.401	6.232	6.501	15.274	38.265	5.943	3.881	14.217
171	3.601	42.289	1.902	2.219	3.614	97.138	4.774	7.760	30.629	9.979	20.663	6.017	6.277	14.747	36.944	5.738	3.747	13.726
172	3.390	39.805	1.790	2.089	3.402	91.433	4.494	7.305	28.830	9.393	19.449	5.663	5.908	13.881	34.774	5.401	3.527	12.920
173	3.385	39.746	1.788	2.086	3.397	91.296	4.487	7.294	28.787	9.379	19.420	5.655	5.899	13.860	34.722	5.393	3.522	12.901
174	3.366	39.526	1.778	2.074	3.378	90.790	4.462	7.253	28.628	9.327	19.312	5.624	5.867	13.784	34.530	5.363	3.502	12.829
175	3.354	39.384	1.771	2.067	3.366	90.464	4.446	7.227	28.525	9.294	19.243	5.603	5.846	13.734	34.406	5.344	3.490	12.783
176	3.315	38.930	1.751	2.043	3.327	89.421	4.395	7.144	28.196	9.187	19.021	5.539	5.778	13.576	34.009	5.282	3.449	12.636
177	3.249	38.156	1.716	2.002	3.261	87.645	4.308	7.002	27.636	9.004	18.643	5.429	5.663	13.306	33.334	5.177	3.381	12.385
178	3.214	37.745	1.698	1.981	3.226	86.701	4.261	6.927	27.338	8.907	18.443	5.370	5.602	13.163	32.975	5.121	3.344	12.252

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
179	3.184	37.392	1.682	1.962	3.195	85.889	4.221	6.862	27.082	8.824	18.270	5.320	5.550	13.039	32.666	5.073	3.313	12.137
180	3.233	37.970	1.708	1.992	3.245	87.218	4.287	6.968	27.501	8.960	18.552	5.402	5.636	13.241	33.171	5.152	3.364	12.325
181	3.231	37.937	1.706	1.991	3.242	87.140	4.283	6.962	27.477	8.952	18.536	5.398	5.631	13.229	33.142	5.147	3.361	12.314
182	3.074	36.102	1.624	1.894	3.085	82.926	4.076	6.625	26.148	8.519	17.640	5.137	5.358	12.590	31.539	4.898	3.199	11.718
183	2.997	35.196	1.583	1.847	3.008	80.845	3.973	6.459	25.492	8.306	17.197	5.008	5.224	12.274	30.747	4.775	3.119	11.424
184	2.916	34.246	1.540	1.797	2.927	78.663	3.866	6.284	24.804	8.081	16.733	4.872	5.083	11.942	29.918	4.647	3.034	11.116
185	2.868	33.682	1.515	1.767	2.878	77.367	3.802	6.181	24.395	7.948	16.457	4.792	4.999	11.746	29.425	4.570	2.984	10.933
186	2.892	33.961	1.527	1.782	2.902	78.009	3.834	6.232	24.598	8.014	16.594	4.832	5.041	11.843	29.669	4.608	3.009	11.023
187	3.002	35.258	1.586	1.850	3.013	80.987	3.980	6.470	25.537	8.320	17.227	5.016	5.233	12.295	30.802	4.784	3.124	11.444
188	2.908	34.145	1.536	1.792	2.918	78.430	3.855	6.266	24.731	8.058	16.683	4.858	5.068	11.907	29.829	4.633	3.025	11.083
189	2.839	33.343	1.500	1.750	2.849	76.589	3.764	6.119	24.150	7.868	16.292	4.744	4.949	11.628	29.129	4.524	2.954	10.823
190	2.831	33.247	1.495	1.745	2.841	76.369	3.753	6.101	24.081	7.846	16.245	4.730	4.935	11.594	29.045	4.511	2.946	10.792
191	2.671	31.364	1.411	1.646	2.680	72.043	3.541	5.756	22.717	7.401	15.325	4.462	4.655	10.937	27.400	4.256	2.779	10.180
192	2.598	30.509	1.372	1.601	2.607	70.080	3.444	5.599	22.098	7.200	14.907	4.341	4.528	10.639	26.653	4.140	2.703	9.903
193	2.592	30.441	1.369	1.597	2.601	69.923	3.437	5.586	22.048	7.184	14.874	4.331	4.518	10.616	26.594	4.130	2.697	9.881
194	2.506	29.431	1.324	1.544	2.515	67.602	3.323	5.401	21.316	6.945	14.380	4.187	4.368	10.263	25.711	3.993	2.608	9.553
195	2.410	28.297	1.273	1.485	2.418	64.998	3.195	5.193	20.495	6.678	13.826	4.026	4.200	9.868	24.720	3.839	2.507	9.185
196	2.355	27.660	1.244	1.451	2.364	63.534	3.123	5.076	20.033	6.527	13.515	3.935	4.105	9.646	24.164	3.753	2.451	8.978
197	2.366	27.779	1.249	1.458	2.374	63.809	3.136	5.098	20.120	6.555	13.573	3.952	4.123	9.687	24.268	3.769	2.461	9.017
198	2.356	27.665	1.244	1.452	2.364	63.546	3.123	5.077	20.037	6.528	13.517	3.936	4.106	9.647	24.168	3.754	2.451	8.980
199	2.282	26.795	1.205	1.406	2.290	61.548	3.025	4.917	19.407	6.323	13.092	3.812	3.977	9.344	23.409	3.636	2.374	8.697
200	2.151	25.258	1.136	1.325	2.159	58.019	2.852	4.635	18.294	5.961	12.341	3.594	3.749	8.808	22.066	3.427	2.238	8.199
201	2.078	24.403	1.098	1.281	2.085	56.055	2.755	4.478	17.675	5.759	11.924	3.472	3.622	8.510	21.319	3.311	2.162	7.921

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
202	2.023	23.760	1.069	1.247	2.031	54.578	2.682	4.360	17.209	5.607	11.609	3.381	3.527	8.286	20.757	3.224	2.105	7.712
203	1.956	22.966	1.033	1.205	1.963	52.753	2.593	4.214	16.634	5.420	11.221	3.268	3.409	8.009	20.064	3.116	2.035	7.455
204	1.897	22.271	1.002	1.169	1.903	51.156	2.514	4.087	16.131	5.256	10.882	3.169	3.306	7.766	19.456	3.022	1.973	7.229
205	1.875	22.023	0.991	1.156	1.882	50.586	2.486	4.041	15.951	5.197	10.760	3.133	3.269	7.680	19.239	2.988	1.951	7.148
206	1.850	21.727	0.977	1.140	1.857	49.906	2.453	3.987	15.736	5.127	10.616	3.091	3.225	7.577	18.981	2.948	1.925	7.052
207	1.804	21.181	0.953	1.111	1.810	48.654	2.391	3.887	15.341	4.998	10.349	3.014	3.144	7.387	18.504	2.874	1.877	6.875
208	1.805	21.191	0.953	1.112	1.811	48.676	2.392	3.889	15.349	5.001	10.354	3.015	3.145	7.390	18.513	2.875	1.878	6.878
209	1.807	21.214	0.954	1.113	1.813	48.729	2.395	3.893	15.365	5.006	10.365	3.018	3.149	7.398	18.533	2.878	1.880	6.886
210	1.766	20.740	0.933	1.088	1.772	47.639	2.341	3.806	15.022	4.894	10.134	2.951	3.078	7.233	18.119	2.814	1.838	6.732
211	1.720	20.201	0.909	1.060	1.726	46.403	2.281	3.707	14.632	4.767	9.871	2.874	2.998	7.045	17.648	2.741	1.790	6.557
212	1.665	19.548	0.879	1.026	1.671	44.903	2.207	3.587	14.159	4.613	9.551	2.781	2.901	6.817	17.078	2.652	1.732	6.345
213	1.669	19.593	0.881	1.028	1.674	45.006	2.212	3.596	14.191	4.624	9.573	2.788	2.908	6.833	17.117	2.658	1.736	6.360
214	1.630	19.144	0.861	1.005	1.636	43.973	2.161	3.513	13.865	4.518	9.354	2.724	2.841	6.676	16.724	2.597	1.696	6.214
215	1.596	18.743	0.843	0.984	1.602	43.053	2.116	3.440	13.576	4.423	9.158	2.667	2.782	6.536	16.374	2.543	1.661	6.084
216	1.573	18.473	0.831	0.969	1.579	42.433	2.086	3.390	13.380	4.359	9.026	2.628	2.742	6.442	16.139	2.507	1.637	5.996
217	1.574	18.488	0.832	0.970	1.580	42.466	2.087	3.393	13.390	4.363	9.033	2.630	2.744	6.447	16.151	2.508	1.638	6.001
218	1.572	18.460	0.830	0.969	1.578	42.402	2.084	3.388	13.370	4.356	9.020	2.626	2.740	6.437	16.127	2.505	1.636	5.992
219	1.543	18.123	0.815	0.951	1.549	41.628	2.046	3.326	13.126	4.277	8.855	2.578	2.690	6.320	15.832	2.459	1.606	5.882
220	1.539	18.077	0.813	0.949	1.545	41.523	2.041	3.317	13.093	4.266	8.832	2.572	2.683	6.304	15.792	2.453	1.602	5.868
221	1.529	17.957	0.808	0.942	1.535	41.246	2.027	3.295	13.006	4.237	8.774	2.555	2.665	6.262	15.687	2.436	1.591	5.828
222	1.476	17.336	0.780	0.910	1.481	39.820	1.957	3.181	12.556	4.091	8.470	2.466	2.573	6.045	15.145	2.352	1.536	5.627
223	1.459	17.138	0.771	0.899	1.465	39.367	1.935	3.145	12.413	4.044	8.374	2.438	2.544	5.977	14.972	2.325	1.519	5.563
224	1.459	17.128	0.770	0.899	1.464	39.343	1.934	3.143	12.406	4.042	8.369	2.437	2.542	5.973	14.963	2.324	1.518	5.560

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
225	1.440	16.908	0.760	0.887	1.445	38.837	1.909	3.103	12.246	3.990	8.261	2.406	2.510	5.896	14.771	2.294	1.498	5.488
226	1.458	17.127	0.770	0.899	1.464	39.341	1.934	3.143	12.405	4.042	8.368	2.437	2.542	5.973	14.962	2.324	1.518	5.559
227	1.459	17.127	0.770	0.899	1.464	39.341	1.934	3.143	12.405	4.042	8.368	2.437	2.542	5.973	14.963	2.324	1.518	5.559
228	1.411	16.568	0.745	0.869	1.416	38.057	1.870	3.040	12.000	3.910	8.095	2.357	2.459	5.778	14.474	2.248	1.468	5.378
229	1.387	16.286	0.732	0.855	1.392	37.408	1.839	2.989	11.795	3.843	7.957	2.317	2.417	5.679	14.227	2.210	1.443	5.286
230	1.395	16.381	0.737	0.860	1.400	37.627	1.849	3.006	11.865	3.866	8.004	2.331	2.431	5.712	14.311	2.223	1.451	5.317
231	1.396	16.398	0.738	0.860	1.401	37.666	1.851	3.009	11.877	3.870	8.012	2.333	2.434	5.718	14.325	2.225	1.453	5.322
232	1.402	16.469	0.741	0.864	1.407	37.830	1.859	3.022	11.928	3.886	8.047	2.343	2.444	5.743	14.388	2.235	1.459	5.346
233	1.391	16.333	0.735	0.857	1.396	37.518	1.844	2.997	11.830	3.854	7.981	2.324	2.424	5.696	14.269	2.216	1.447	5.302
234	1.402	16.464	0.740	0.864	1.407	37.817	1.859	3.021	11.924	3.885	8.044	2.342	2.444	5.741	14.383	2.234	1.459	5.344
235	1.368	16.069	0.723	0.843	1.373	36.910	1.814	2.949	11.638	3.792	7.851	2.286	2.385	5.604	14.038	2.180	1.424	5.216
236	1.348	15.828	0.712	0.831	1.353	36.356	1.787	2.905	11.464	3.735	7.734	2.252	2.349	5.520	13.827	2.148	1.402	5.137
237	1.341	15.743	0.708	0.826	1.345	36.161	1.777	2.889	11.402	3.715	7.692	2.240	2.337	5.490	13.753	2.136	1.395	5.110
238	1.320	15.497	0.697	0.813	1.324	35.597	1.750	2.844	11.224	3.657	7.572	2.205	2.300	5.404	13.539	2.103	1.373	5.030
239	1.319	15.492	0.697	0.813	1.324	35.584	1.749	2.843	11.220	3.656	7.569	2.204	2.299	5.402	13.534	2.102	1.373	5.028
240	1.330	15.617	0.702	0.820	1.335	35.873	1.763	2.866	11.312	3.685	7.631	2.222	2.318	5.446	13.644	2.119	1.384	5.069
241	1.312	15.405	0.693	0.808	1.316	35.386	1.739	2.827	11.158	3.635	7.527	2.192	2.287	5.372	13.458	2.090	1.365	5.000
242	1.315	15.438	0.694	0.810	1.319	35.461	1.743	2.833	11.182	3.643	7.543	2.196	2.291	5.384	13.487	2.095	1.368	5.011
243	1.349	15.843	0.713	0.831	1.354	36.391	1.789	2.907	11.475	3.739	7.741	2.254	2.351	5.525	13.841	2.150	1.404	5.142
244	1.291	15.156	0.682	0.795	1.295	34.813	1.711	2.781	10.977	3.577	7.405	2.156	2.250	5.285	13.240	2.056	1.343	4.919
245	1.294	15.196	0.683	0.797	1.299	34.905	1.715	2.789	11.006	3.586	7.425	2.162	2.255	5.299	13.275	2.062	1.346	4.932
246	1.265	14.859	0.668	0.780	1.270	34.132	1.678	2.727	10.763	3.507	7.260	2.114	2.206	5.182	12.981	2.016	1.317	4.823
247	1.246	14.628	0.658	0.768	1.250	33.600	1.651	2.684	10.595	3.452	7.147	2.081	2.171	5.101	12.779	1.985	1.296	4.748

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
248	1.243	14.594	0.656	0.766	1.247	33.523	1.648	2.678	10.570	3.444	7.131	2.076	2.166	5.089	12.750	1.980	1.293	4.737
249	1.238	14.532	0.654	0.763	1.242	33.380	1.641	2.667	10.525	3.429	7.100	2.068	2.157	5.068	12.695	1.972	1.288	4.717
250	1.237	14.531	0.654	0.762	1.242	33.377	1.640	2.666	10.524	3.429	7.100	2.067	2.157	5.067	12.694	1.972	1.287	4.716
251	1.237	14.531	0.654	0.762	1.242	33.377	1.640	2.666	10.524	3.429	7.100	2.067	2.157	5.067	12.694	1.972	1.288	4.716
252	1.263	14.832	0.667	0.778	1.268	34.070	1.674	2.722	10.743	3.500	7.247	2.110	2.202	5.172	12.958	2.012	1.314	4.814
253	1.236	14.514	0.653	0.762	1.240	33.338	1.638	2.663	10.512	3.425	7.091	2.065	2.154	5.061	12.679	1.969	1.286	4.711
254	1.219	14.317	0.644	0.751	1.223	32.885	1.616	2.627	10.369	3.378	6.995	2.037	2.125	4.993	12.507	1.943	1.269	4.647
255	1.201	14.099	0.634	0.740	1.205	32.384	1.592	2.587	10.211	3.327	6.889	2.006	2.093	4.917	12.317	1.913	1.249	4.576
256	1.210	14.214	0.639	0.746	1.215	32.649	1.605	2.608	10.295	3.354	6.945	2.022	2.110	4.957	12.417	1.929	1.259	4.614
257	1.201	14.103	0.634	0.740	1.205	32.395	1.592	2.588	10.215	3.328	6.891	2.007	2.093	4.918	12.321	1.914	1.250	4.578
258	1.258	14.773	0.664	0.775	1.262	33.933	1.668	2.711	10.700	3.486	7.218	2.102	2.193	5.152	12.906	2.004	1.309	4.795
259	1.283	15.070	0.678	0.791	1.288	34.615	1.701	2.765	10.915	3.556	7.363	2.144	2.237	5.255	13.165	2.045	1.335	4.891
260	1.357	15.939	0.717	0.836	1.362	36.611	1.799	2.925	11.544	3.761	7.788	2.268	2.366	5.558	13.924	2.163	1.412	5.174
261	1.276	14.986	0.674	0.786	1.281	34.423	1.692	2.750	10.854	3.536	7.322	2.132	2.224	5.226	13.092	2.033	1.328	4.864
262	1.291	15.160	0.682	0.796	1.296	34.822	1.711	2.782	10.980	3.577	7.407	2.157	2.250	5.287	13.244	2.057	1.343	4.921
263	1.251	14.687	0.661	0.771	1.255	33.737	1.658	2.695	10.638	3.466	7.176	2.090	2.180	5.122	12.831	1.993	1.301	4.767
264	1.264	14.846	0.668	0.779	1.269	34.100	1.676	2.724	10.752	3.503	7.254	2.112	2.203	5.177	12.969	2.014	1.315	4.819
265	1.234	14.496	0.652	0.761	1.239	33.297	1.636	2.660	10.499	3.421	7.083	2.062	2.152	5.055	12.664	1.967	1.284	4.705
266	1.237	14.525	0.653	0.762	1.241	33.363	1.640	2.665	10.520	3.428	7.097	2.067	2.156	5.065	12.689	1.971	1.287	4.715
267	1.204	14.140	0.636	0.742	1.208	32.479	1.596	2.595	10.241	3.337	6.909	2.012	2.099	4.931	12.353	1.919	1.253	4.590
268	1.178	13.833	0.622	0.726	1.182	31.774	1.562	2.538	10.019	3.264	6.759	1.968	2.053	4.824	12.084	1.877	1.226	4.490
269	1.177	13.825	0.622	0.725	1.181	31.756	1.561	2.537	10.013	3.262	6.755	1.967	2.052	4.821	12.078	1.876	1.225	4.487
270	1.259	14.785	0.665	0.776	1.263	33.960	1.669	2.713	10.708	3.489	7.224	2.104	2.194	5.156	12.916	2.006	1.310	4.799

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
271	1.212	14.231	0.640	0.747	1.216	32.689	1.607	2.612	10.308	3.358	6.953	2.025	2.112	4.963	12.433	1.931	1.261	4.619
272	1.187	13.933	0.627	0.731	1.191	32.005	1.573	2.557	10.092	3.288	6.808	1.982	2.068	4.859	12.172	1.890	1.235	4.523
273	1.196	14.043	0.632	0.737	1.200	32.258	1.585	2.577	10.172	3.314	6.862	1.998	2.084	4.897	12.269	1.905	1.244	4.558
274	1.160	13.618	0.613	0.715	1.164	31.281	1.537	2.499	9.864	3.214	6.654	1.938	2.021	4.749	11.897	1.848	1.207	4.420
275	1.131	13.280	0.597	0.697	1.135	30.504	1.499	2.437	9.618	3.134	6.489	1.889	1.971	4.631	11.601	1.802	1.177	4.310
276	1.140	13.391	0.602	0.703	1.144	30.759	1.512	2.457	9.699	3.160	6.543	1.905	1.988	4.670	11.698	1.817	1.187	4.347
277	1.244	14.605	0.657	0.766	1.248	33.547	1.649	2.680	10.578	3.446	7.136	2.078	2.168	5.093	12.759	1.982	1.294	4.741
278	1.243	14.597	0.657	0.766	1.247	33.530	1.648	2.679	10.573	3.445	7.132	2.077	2.167	5.090	12.752	1.981	1.293	4.738
279	1.396	16.390	0.737	0.860	1.401	37.647	1.850	3.008	11.871	3.868	8.008	2.332	2.433	5.716	14.318	2.224	1.452	5.320
280	1.292	15.170	0.682	0.796	1.296	34.845	1.713	2.784	10.987	3.580	7.412	2.158	2.252	5.290	13.252	2.058	1.344	4.924
281	1.273	14.950	0.672	0.784	1.278	34.339	1.688	2.743	10.828	3.528	7.304	2.127	2.219	5.213	13.060	2.028	1.325	4.852
282	1.246	14.635	0.658	0.768	1.251	33.616	1.652	2.686	10.600	3.454	7.151	2.082	2.172	5.104	12.785	1.986	1.297	4.750
283	1.227	14.413	0.648	0.756	1.232	33.107	1.627	2.645	10.439	3.401	7.042	2.051	2.139	5.026	12.592	1.956	1.277	4.678
284	1.281	15.043	0.677	0.789	1.286	34.554	1.698	2.760	10.895	3.550	7.350	2.140	2.233	5.246	13.142	2.041	1.333	4.883
285	1.230	14.445	0.650	0.758	1.234	33.181	1.631	2.651	10.462	3.409	7.058	2.055	2.144	5.037	12.620	1.960	1.280	4.689
286	1.193	14.015	0.630	0.735	1.198	32.193	1.582	2.572	10.151	3.307	6.848	1.994	2.080	4.887	12.244	1.902	1.242	4.549
287	1.175	13.803	0.621	0.724	1.180	31.705	1.558	2.533	9.997	3.257	6.744	1.964	2.049	4.813	12.058	1.873	1.223	4.480
288	1.155	13.565	0.610	0.712	1.159	31.158	1.531	2.489	9.825	3.201	6.628	1.930	2.013	4.730	11.850	1.840	1.202	4.403
289	1.154	13.547	0.609	0.711	1.158	31.117	1.529	2.486	9.812	3.197	6.619	1.927	2.011	4.724	11.835	1.838	1.200	4.397
290	1.211	14.222	0.640	0.746	1.215	32.669	1.606	2.610	10.301	3.356	6.949	2.024	2.111	4.960	12.425	1.930	1.260	4.616
291	1.168	13.720	0.617	0.720	1.172	31.514	1.549	2.518	9.937	3.238	6.703	1.952	2.036	4.784	11.986	1.861	1.216	4.453
292	1.136	13.336	0.600	0.700	1.140	30.632	1.506	2.447	9.659	3.147	6.516	1.897	1.979	4.651	11.650	1.809	1.182	4.329
293	1.131	13.283	0.597	0.697	1.135	30.512	1.500	2.438	9.621	3.135	6.490	1.890	1.972	4.632	11.605	1.802	1.177	4.312

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
294	1.119	13.140	0.591	0.690	1.123	30.183	1.483	2.411	9.517	3.101	6.420	1.870	1.950	4.582	11.480	1.783	1.164	4.265
295	1.106	12.991	0.584	0.682	1.110	29.840	1.467	2.384	9.409	3.066	6.347	1.848	1.928	4.530	11.349	1.763	1.151	4.217
296	1.112	13.057	0.587	0.685	1.116	29.993	1.474	2.396	9.457	3.081	6.380	1.858	1.938	4.553	11.407	1.772	1.157	4.238
297	1.123	13.188	0.593	0.692	1.127	30.293	1.489	2.420	9.552	3.112	6.444	1.876	1.957	4.599	11.521	1.789	1.169	4.281
298	1.068	12.544	0.564	0.658	1.072	28.813	1.416	2.302	9.085	2.960	6.129	1.785	1.862	4.374	10.958	1.702	1.111	4.071
299	1.052	12.351	0.556	0.648	1.055	28.370	1.394	2.267	8.946	2.915	6.035	1.757	1.833	4.307	10.790	1.676	1.094	4.009
300	1.045	12.267	0.552	0.644	1.048	28.177	1.385	2.251	8.885	2.895	5.994	1.745	1.821	4.278	10.717	1.664	1.087	3.982
301	1.051	12.338	0.555	0.647	1.054	28.340	1.393	2.264	8.936	2.912	6.028	1.755	1.831	4.303	10.779	1.674	1.093	4.005
302	1.060	12.449	0.560	0.653	1.064	28.595	1.405	2.284	9.017	2.938	6.083	1.771	1.848	4.341	10.876	1.689	1.103	4.041
303	1.091	12.807	0.576	0.672	1.094	29.417	1.446	2.350	9.276	3.022	6.257	1.822	1.901	4.466	11.188	1.738	1.135	4.157
304	1.086	12.757	0.574	0.669	1.090	29.303	1.440	2.341	9.240	3.010	6.233	1.815	1.893	4.449	11.145	1.731	1.130	4.141
305	0.972	11.414	0.513	0.599	0.975	26.219	1.289	2.095	8.267	2.694	5.577	1.624	1.694	3.980	9.972	1.549	1.011	3.705
306	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
307	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
308	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
309	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
310	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
311	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
312	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
313	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
314	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
315	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
316	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

Day	Bean Creek	Big Sheep Creek	Corral Creek	East Fork Clover Creek	Fish Creek	Horse Prairie Creek	Jones Creek	Long Creek	Medicine Lodge Creek	Muddy Creek	O Dell Creek	Peet Creek	Price Creek	Red Rock Creek	Sage Creek	Selway Creek	Tom Creek	Trail Creek
317	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
318	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
319	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
320	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
321	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
322	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
323	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
324	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
325	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
326	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
327	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
328	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
329	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
330	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
331	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
332	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
333	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
334	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
335	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
336	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
337	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
338	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
339	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747

Table H-1. Estimated Total Maximum Daily Load for sediment impaired watersheds in Red Rock TPA (in Tons).

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340	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
341	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
342	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
343	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
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345	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
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347	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
348	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
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353	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
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357	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
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359	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
360	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
361	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
362	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747

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363	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
364	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747
365	0.983	11.544	0.519	0.606	0.987	26.516	1.303	2.118	8.361	2.724	5.640	1.642	1.713	4.026	10.085	1.566	1.023	3.747