

Table P-9. Responses to Rewatering Observed in Mature Woody Riparian Vegetation on Rush Creek in 1990-1991

Response Level/ Vegetation Type	Reach Number									All Reaches
	1a	2a	2b	3	4	5	6	7	8	
No response										
Conifer-broadleaf	--	1.1	--	0.1	--	--	--	--	--	1.2
Cottonwood-willow	--	0.3	--	0.2	--	0.2	--	0.3	--	1.0
Aspen	--	0.6	3.2	0.2	--	--	--	--	--	4.0
Willow scrub	0.3	0.1	2.4	0.9	--	0.7	24.6	1.1	2.2	32.3
Mixed riparian	1.0	0.3	0.6	2.6	0.3	0.1	35.5	5.5	--	45.9
All types	1.3	2.4	6.2	4.0	0.3	1.0	60.0	7.0	2.2	84.4
Percent of total mapped	81%	40%	100%	31%	7%	26%	67%	77%	100%	62%
Slight response										
Conifer-broadleaf	--	0.2	--	0.9	--	--	--	--	--	1.1
Cottonwood-willow	--	1.2	--	0.1	0.4	0.4	1.0	--	--	3.1
Aspen	--	--	--	--	0.1	--	--	--	--	0.1
Willow scrub	0.2	--	--	2.0	0.2	--	3.7	0.7	--	6.8
Mixed riparian	--	0.3	--	0.9	1.0	0.1	3.6	1.1	--	7.1
All types	0.2	1.7	--	3.9	1.7	0.5	8.3	1.8	--	18.2
Percent of total mapped	12%	28%	--	31%	40%	13%	9%	20%	--	13%
Moderate response										
Conifer-broadleaf	--	--	--	--	--	--	--	--	--	--
Cottonwood-willow	--	0.04	--	0.3	0.2	2.0	1.0	--	--	3.5
Aspen	--	--	--	0.1	--	--	--	--	--	0.1
Willow scrub	--	0.9	--	2.5	1.0	0.1	9.8	--	--	14.4
Mixed riparian	--	0.9	--	0.8	0.7	--	1.2	--	--	3.7
All types	--	1.8	--	3.8	2.0	2.1	11.9	--	--	21.7
Percent of total mapped	--	30%	--	29%	46%	53%	13%	--	--	16%
Strong response										
Conifer-broadleaf	--	--	--	--	--	--	--	--	--	--
Cottonwood-willow	--	--	--	--	--	--	--	--	--	--
Aspen	--	--	--	--	--	--	--	--	--	--
Willow scrub	--	0.1	--	1.1	0.1	--	6.7	0.2	--	8.2
Mixed riparian	--	--	--	--	0.1	--	0.5	--	--	0.6
All types	--	0.1	--	1.1	0.2	--	7.2	0.2	--	8.8
Percent of total mapped	--	2%	--	9%	4%	--	8%	2%	--	6%

Notes: 73% (31.1 acres) of establishing vegetation showed a strong response to rewatering, 1.2% (0.5 acre) showed a slight response, and 1.6% (0.7 acre) showed a moderate response.

89% (36.8 acres) of decadent vegetation showed no response to rewatering, 9% (3.6 acres) showed a slight response, and 2% (0.7 acre) showed a moderate response.

See Appendix F for explanation of response categories.

Reach 1a = Grant Lake Dam to return ditch.

Reach 2a = return ditch to base of moraine.

Reach 2b = A-Ditch supply channel.

Reach 3 = base of moraine to old highway bridge.

Reach 4 = old highway bridge to Parker Creek.

Reach 5 = Parker Creek to The Narrows.

Reach 6 = The Narrows to the ford.

Reach 7 = the ford to County Road.

Reach 8 = County Road to lakeshore.

Percentages may not total 100% because of rounding error.

Acres measured by Jones & Stokes Associates from interpretation of 1929-1930, 1940, and 1990 aerial photographs and 1990-1991 field surveys.