

Table P-1. Woody Riparian Acreages on Rush Creek in 1940 and 1989

Year/ Vegetation Type	Reach Number									All Reaches
	1a	2a	2b	3	4	5	6	7	8	
1940 acreages										
Conifer-broadleaf	--	1.3	--	1.0	0.6	11.4	1.1	--	--	15.4
Cottonwood-willow	2.5	2.1	--	11.9	3.5	5.3	104.9	29.7	--	159.9
Aspen	--	0.6	3.4	0.3	0.1	--	--	--	--	4.4
Willow scrub	3.4	1.3	5.7	10.6	7.2	4.5	39.2	0.6	7.5	79.9
Mixed riparian	0.4	4.0	0.1	1.9	--	0.9	4.4	--	--	11.7
All types	6.3	9.3	9.2	25.7	11.4	22.0	149.5	30.3	7.5	271.2
1989 acreages (mature)										
Conifer-broadleaf	--	1.3	--	1.0	--	--	--	--	--	2.3
Cottonwood-willow	--	1.5	--	0.6	0.6	2.9	2.0	0.4	--	8.0
Aspen	--	0.6	3.2	0.3	0.1	--	--	--	--	4.2
Willow scrub	0.5	1.1	2.4	6.6	1.4	0.9	46.1	2.0	2.2	63.2
Mixed riparian	1.1	1.5	0.6	4.3	2.1	0.2	41.1	6.7	--	57.7
All types	1.6	6.0	6.2	12.8	4.3	4.0	89.1	9.1	2.2	135.4
1989 acreages (decadent)										
Conifer-broadleaf	--	--	--	0.3	--	--	--	--	--	0.3
Cottonwood-willow	1.3	--	--	1.4	0.1	--	10.7	2.3	--	15.8
Aspen	--	--	--	--	--	--	--	--	--	--
Willow scrub	0.3	--	0.8	1.1	--	--	12.6	9.5	0.6	24.8
Mixed riparian	--	--	--	0.4	--	--	--	--	--	0.4
All types	1.6	--	0.8	3.2	0.1	--	23.3	11.7	0.6	41.3
1989 acreages (establishing)										
Conifer-broadleaf	--	--	--	--	--	--	--	--	--	--
Cottonwood-willow	--	--	--	--	0.2	--	--	--	0.4	0.6
Aspen	--	--	--	--	--	--	--	--	--	--
Willow scrub	--	0.02	--	0.1	0.8	--	6.0	1.5	24.1	32.6
Mixed riparian	--	--	--	--	0.2	--	--	--	--	0.2
All types	--	0.02	--	0.1	1.2	--	6.0	1.5	24.5	33.3
Changes from 1940 to 1989 (mature only)										
Conifer-broadleaf	--	--	--	--	-0.6	-11.4	-1.1	--	--	-13.1
Cottonwood-willow	-2.5	-0.6	--	-11.3	-2.9	-2.4	-	-29.3	--	-151.9
							102.9			
Aspen	--	--	-0.2	--	--	--	--	--	--	-0.2
Willow scrub	-2.9	-0.2	-3.3	-4.0	-5.8	-3.6	6.9	1.4	-5.3	-16.7
Mixed riparian	0.7	-2.5	0.5	2.4	2.1	-0.7	36.7	6.7	--	46.1
All types	-4.7	-3.2	-3.0	-12.9	-7.1	-18.0	-60.4	-21.2	-5.3	-135.8
Percent loss or gain	-75%	-35%	-32%	-50%	-62%	-82%	-40%	-70%	-71%	-50%

Table P-1. Continued

Year/ Vegetation Type	Reach Number								All Reaches	
	1a	2a	2b	3	4	5	6	7		8
Changes from 1940 to 1989 (mature and establishing)										
Conifer-broadleaf	--	--	--	--	-0.6	-11.4	-1.1	--	--	-13.1
Cottonwood-willow	-2.5	-0.6	--	-11.3	-2.7	-2.4	-	-29.3	0.4	-151.2
Aspen	--	--	-0.2	--	--	--	102.9	--	--	-0.2
Willow scrub	-2.9	-0.2	-3.3	-3.9	-5.0	-3.6	12.9	2.9	18.8	15.8
Mixed riparian	0.7	-2.5	0.5	2.4	2.3	-0.7	36.7	6.7	--	46.2
All types	-4.7	-3.2	-3.0	-12.8	-5.9	-18.0	-54.4	-19.6	19.2	-102.4
Percent loss or gain	-75%	-34%	-32%	-50%	-52%	-82%	-36%	-65%	256%	-38%
Changes from 1940 to 1989 (mature, establishing, and decadent)										
Conifer-broadleaf	--	--	--	0.3	-0.6	-11.4	-1.1	--	--	-12.8
Cottonwood-willow	-1.2	-0.6	--	-9.9	-2.6	-2.4	-92.2	-27.1	0.4	-135.5
Aspen	--	--	-0.2	--	--	--	--	--	--	-0.2
Willow scrub	-2.6	-0.2	-2.5	-2.8	-5.0	-3.6	25.5	12.4	19.3	40.7
Mixed riparian	0.7	-2.5	0.5	2.8	2.3	-0.7	36.7	6.7	--	46.6
All types	-3.1	-3.2	-2.2	-9.5	-5.8	-18.0	-31.1	-7.9	19.8	-61.1
Percent loss or gain	-49%	-34%	-24%	-37%	-51%	-82%	-21%	-26%	264%	-23%

Notes:

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.

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