

RIFC-INT  
Section 2.

# CHANNEL SURVEY COTTONWOOD, RICHFIELD

Survey 9/25/46  
10/9/46 JWR.

No.	Road Log	X-cut sq. ft.	Slope	Map Dist. mi.	Vol ac-ft.	(sq ft mi) x .521 = ac ft.
mouth	100	120	3%	0		
		120*	3%	1°	$120 \times 1^{\circ} = 14.6$	
main channel		150		2°	$135 \times 1^{\circ} = 24.5$	
		200		5°	$175 \times 2^{\circ} = 53.0$	
		450*		7°	$325 \times 2^{\circ} = 76.5$	
		100*		8°	$275 \times 1^{\circ} = 50.0$	
head.		20		9°	$60 \times 1^{\circ} = 7.3$	
mouth		100		0		228.
		50		1°	$75 \times 1^{\circ} = 9.1$	45
		50		2°	$50 \times 1^{\circ} = 9.1$	
		10*		4°	$30 \times 1^{\circ} = 5.5$	
Deer Creek Cany.		180*		4°	$95 \times 0^{\circ} = 1.2$	
		75*		4°	$127 \times 0^{\circ} = 1.5$	
		12*		4°	$44 \times 0^{\circ} = 1.6$	
		0*		5°	$6 \times 0^{\circ} = 0.4$	
		100*	4%	5°	$50 \times 0^{\circ} = 3.0$	
head.		20*		6°	$60 \times 1^{\circ} = 7.3$	
Side gulches		20		2°	$20 \times 2^{\circ} = 6.1$	39.0
						6.0

Total = 273 ac-ft.  
 (50 yr) Annual = 6 ac-ft.  
 \* measured in field. Sheet Erosion - 37 ac-ft/yr.