

RFFC-INT  
Survey C

# CHANNEL SURVEY

## DENMARK WASH

Survey 9/20/46

10/8/46 JWR

No.	Road Loc.-mi.	X-Sect sq. ft.	Slope	Map Dist.-mi.	Vol. Ac-ft	
(9) Hwy 84	- 2 0	120	1%	100 x 0.4	4.8	
(10)	- 1 0	75	1 1/2 %	237 x 0.3	8.6	
Flume	- 1 3	400	"	700 x 0.8	5	
(12)	- 0 5	1000	same <sup># 13</sup>	700 x 0.8	67.8	
(13) Stationary bridge	0	1000	1 1/2	1000 x 0.5	60.6	
(14)	1 0	800	2 1/2	900 x 1.0	109.0	
(15)	2 3	1300		1050 x 1.3	165.5	
(16) dam	2 8	320		810 x 0.5	49.0	
(1)	3 3 + 0 5	180	3	250 x 0.5	15.1	
(3)	4 3 + 1 5	200	3	190 x 1.0	23.0	
		35		120 x 1.75	25.5	
Along road to Willow	0	100				Main channel 529.
		60		80 x 1.0	9.7	
		60		60 x 0.3	2.1	
		40		50 x 0.4	2.4	
		25		30 x 0.5	1.8	
Along road to Scipio	0	100				16. )
		60		80 x 0.7	6.8	
Side ditch at mouth	0	150				7. ) Sidequidches ↓ 28.
		20		85 x 0.5	5.1	
						5. )

Total Measured = 557.  
ac-ft.

Rimrock Wash

GULLY SECTS.

Unit No.	X Sect	Number	Spacing	Vol cu ft.	Vol Acre ft.	F.S.
7	10	500	d=2			II
8	20	500	d=3			IV
9	20	350	d=3			IV
13	5	60	d=2			IV
			Total 26 acres d=2±			

ESTIMATED FROM AERIAL PHOTOS.

Unit No.	X-sect	dist.		Vol ac. ft.	
12	20-0	1°	10 x 1.0	1.2	
13	60-20	1°	40 x 1.0	4.8	
North gulches toward Willow Creek	60-30	1°	45 x 1.0	5.4	
	30-15	0 ½	22 x 0.5	1.3	
	100-25	0 ½	62 x 0.5	3.1	
	50-10	1°	30 x 1.0	3.6	= 20 ac. ft.
8+2	35-50	1°	42 x 1.0	5.1	
Main Channel in Forest	50-10	0 ½	30 x 0.5	1.8	
	10-50	1°	30 x 1.0	3.0	
	50-20	0 ½	35 x 0.5	2.1	= 13 ac. ft.
9+2	100-50	1°	75 x 1°	9.1	
Center Fork, Dam to Forest	50-50	3°	50 x 3°	18.1	
	50-100	1°	75 x 1°	9.1	
	100-20	0 ½	60 x 0 ½	3.6	= 40 ac. ft.

# Denmark Wash

## ESTIMATED

Unit No	X-Section	dist	Vol	acft	
342	50-50	2 $\Sigma$	$50 \times 2\Sigma$	15.0	
South Fork to Forest	50-50	1 $\Sigma$	$50 \times 1\Sigma$	6.1	
	50-150	1 $\Sigma$	$100 \times 1\Sigma$	18.1	
	50-10	1 $\Sigma$	$30 \times 1\Sigma$	5.5	$= 45 \text{ acft.}$
9411	40-20	1 $\Sigma$	$30 \times 1\Sigma$	3.6	
South Gulches at mouth.	200-20	0 $\Sigma$	$110 \times 0\Sigma$	6.7	$= 10 \text{ acft.}$

Total Unmeasured = 128 acft.

$$\begin{array}{r}
 45 \\
 40 \\
 13 \\
 23 \\
 \hline
 121 \\
 \hline
 50
 \end{array}
 = 2 \text{ above dam}$$

## Summary —

Measured = 557 acft.

Estimated = 128 "

Total 685 acft.

(50 yrs) Annual = 14 acft.

Sheet Erosion = 57 acft