

Sevier

CHANNEL SURVEY CORN CREEK

Survey 10/23/46
JNL 10/25/46
X.121

No.	X-Section slope	Dist.	Vol.	
	sq. ft. %	mi.	ac-ft.	
main channel.	50	0	50 x 3 ² 21.2	
	50	3 ²	75 x 0 ² 4.5	
	100	4 ²	200 x 0 ² 12.1	
	300	4 ²	180 x 0 ² 10.9	48.7
	60	5 ²	60 x 9 ² 65.3	
E. Fork.	*60	14 ²	40 x 3 ² 14.6	79.9
	20	2 ²	60 x 2 ² 14.5	
	60	2 ²	20 x 2 ² 4.8	
	20	2 ²	60 x 2 ² 14.5	33.8
	*60	2 ²		
2nd Cr.	200	0	170 x 2 ² 41.1	
	140	2 ²	120 x 2 ² 36.3	
	100	4 ²	75 x 1 ² 9.1	
	50	5 ²	63 x 0 ² 3.9	
	75	6 ²	87 x 0 ² 5.3	95.7
	100	6 ²		
	180	0	160 x 2 ² 38.8	
	140	2 ²	95 x 1 ² 17.2	56.0
	*50	3 ²		
	175	0 ²	137 x 1 ² 24.8	
	100	1 ²	62 x 1 ² 7.5	
	25	2 ²	17 x 0 ² 1.0	33.3
	*10	3 ²		
	35	0	30 x 1 ² 5.4	
	25	1 ²		
	35	0	22 x 2 ² 5.3	
	*10	2 ²		
	*10	0	10 x 3 ² 3.6	
	10	3 ²		
	50	0	30 x 2 ² 7.3	21.6
	*10	2 ²		
	*50	7 ²	50 x 7 ² 42.3	
	*50	6 ²	50 x 6 ² 36.3	78.6

No.	X-Section slope	Dist.	Vol.
Big. Hol.	50	0	80 x 1 ² 9.7
	110	1 ²	80 x 2 ² 19.4
	*50	3 ²	29.1
	50	0	50 x 2 ² 12.1
	50	2 ²	
	50	0 ²	
	5	3 ²	27 x 3 ² 9.8
	*25	3 ²	25 x 3 ² 9.1
			31.0

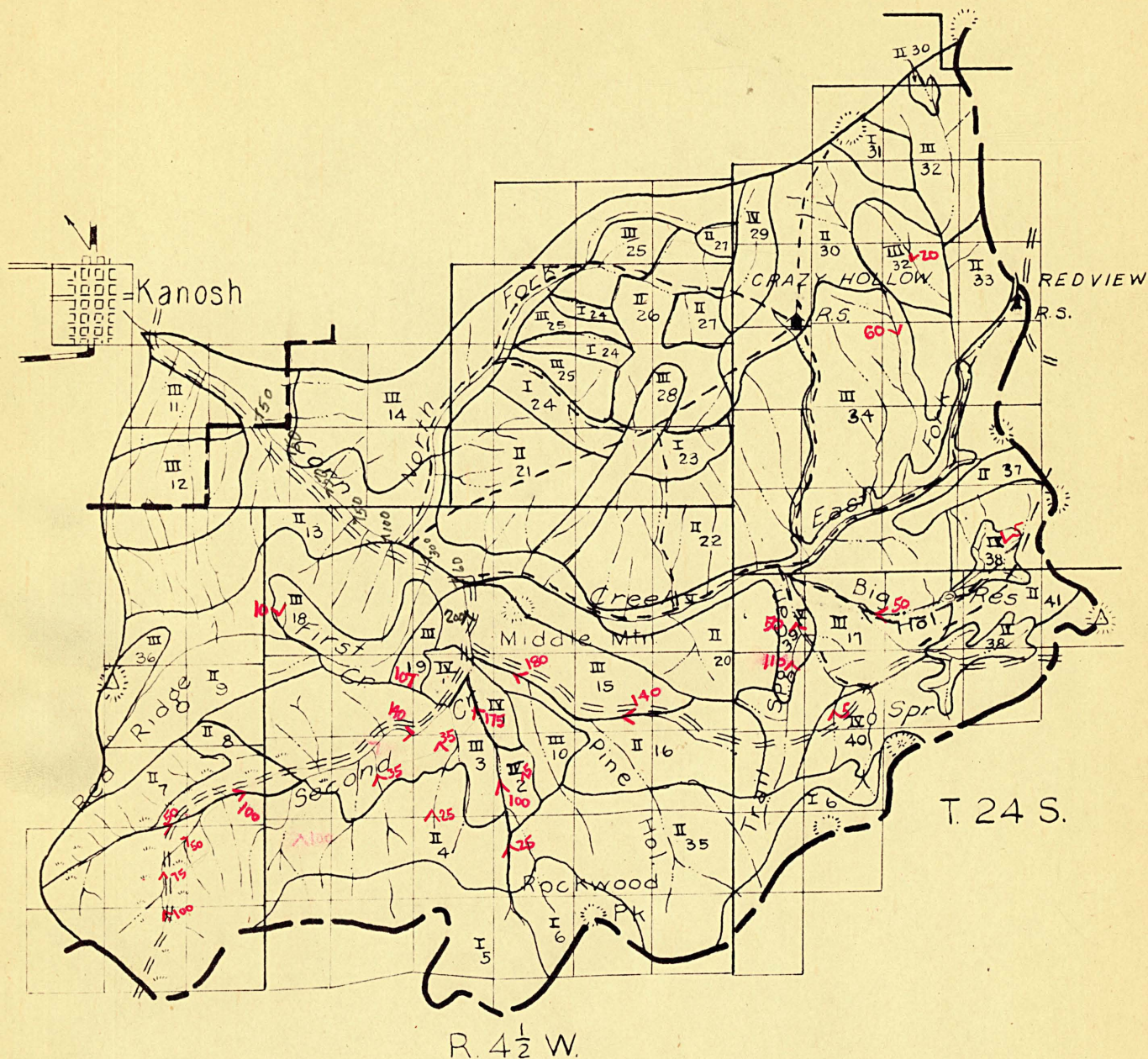
Total = 508. acft
(45yr) Annual = 11. acft.
Sheet Erosion = 34. acft.

* = estimated

CHANNEL SURVEY

CORN CREEK.

Area.	no. struct	Spacing	X-Section	Grade
④	500 ^(4 mi)	100'	25	6%
	2½ mi.	500'	100	7%
③	200	100'	35	7%
Main	20	500'	140	4%
South.	15	D=5'	35	10%
②	10	D=10'	105	7%
	100	D=15'	4	15%
③5	—	D=4'	24	10%
⑩	75	D=2'	10	15%
① Main	20	D=12'	175	7%
⑪8	100	D=25'	10	10%
③8	200	D=15'	5	5-15%
④0	100	D=15' (2 mi)	5	7-12%
③9	40	D=8' (1 mi)	50	9%
⑪7	25	D=8' ½ mi.	50	5-8%
	300	D=8'	140	5-7
③2	300	D=3'	20	5-10
⑪5-16	300	D=13'	180	5-7



- I - Low accelerated run-off and silt contribution
 II - Moderate accelerated run-off and silt contribution
 III - High accelerated run-off and moderate silt contribution
 IV - High accelerated run-off and silt contribution
 V - High normal (geologic) run-off and silt contribution.
 - number within area refers to write-up sheet

Examiner M.K. Wood & R.C. McDaniel
 Date Sept. 1940

FLOOD SOURCE SURVEY
 Corn Creek Watershed
 Scale 1/2 inch - 1 mile

SEVIER FLOOD SURVEY