

Sevier

SLIDE AREA EPHRAIM CREEK

Recent Erosion

Survey 10/22/46
From enlarge photo Ck 4-26
Scale: 1" = 800 ft.

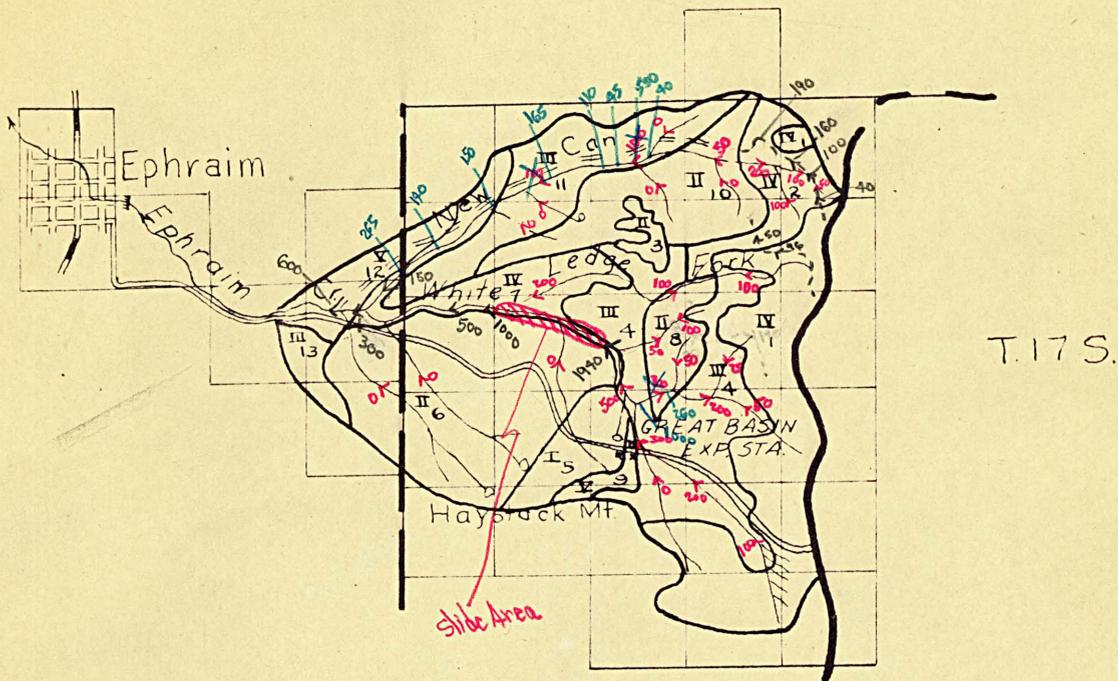
sect No.	Surf. Area		Depth		Volume		total
	North acres	South	North feet	South	North acre-feet	South	
0			0	0			
1	2.1	2.2	75	35	2.1 x 37E = 79	2.2 x 17E = 38E	117
2	0.6	0.3	125	87	0.6 x 100 = 60	0.3 x 61 = 18E	79
3	3.4	1.5	100	66	3.4 x 112E = 382	1.5 x 76E = 115	497
4	7.6	3.5	125	85	7.6 x 112E = 856	3.5 x 75E = 265	1121
5	1.3	0	30	20	1.3 x 77E = 101	—	101
							<u>1915 ac.ft.</u>

50 yr. Annual = $\frac{1915}{50} = 38 \frac{3}{5}$ ac.ft./yr.

	max. Dist ft	Aver. Dist sq. ft.	Vol. cuft.
0	500	1600	1950,000
1	1940 9520	800	4910
2	7880 14620	1300	7310
3	6740 19320	2500	9660
4	12580 13580	1800	6790
5	1000		
Total			54,580,000
			OR 1250 AC.FT

R 3 E

R 4 E.



T. 17 S.

FLOOD SOURCE SURVEY
 Ephraim Creek Watershed
 Scale 1/2 inch = 1 mile

- 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.

blue = X sects by Sauer 1941
 black = X sects by Rosa 1946
 red = estimated from photos

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

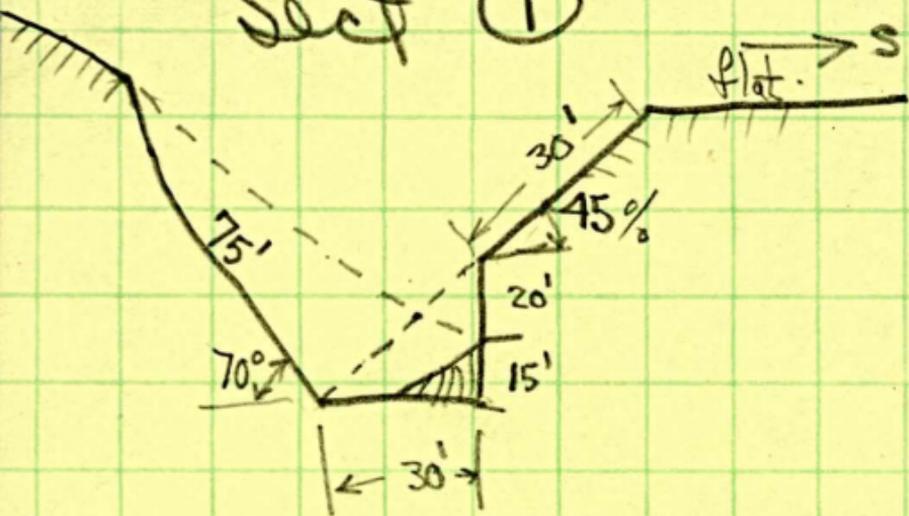
SEVIER FLOOD SURVEY

EPHRAIM.

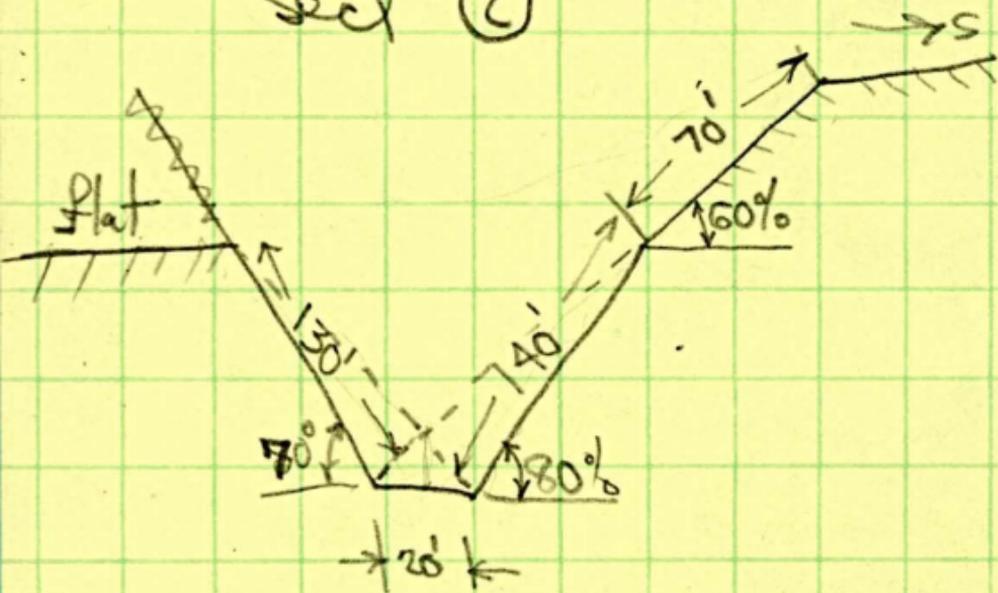
- 95⁰ Power Plant x
95⁶ Curve @ New Camp x
96¹ Switch at Right x
96⁷ Willow Power Line x
96⁶ Forest Boundary.
96⁸ Curve
97³ Side Road

$\frac{1}{4}$ @ 2.6
 $\frac{3}{8}$ @ 1.5

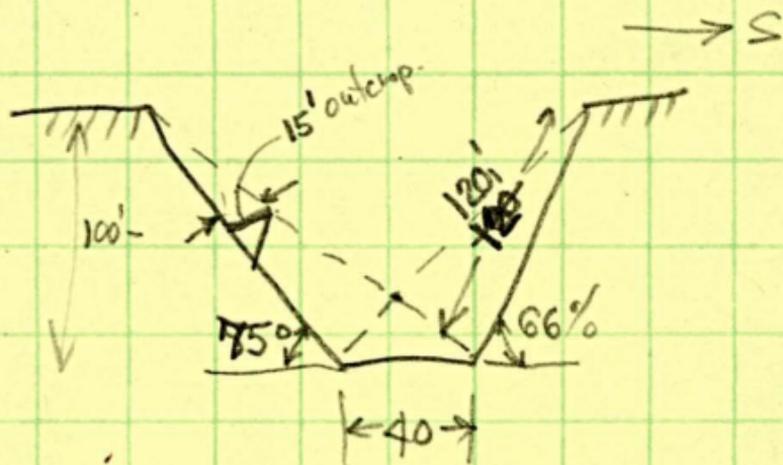
sect ①



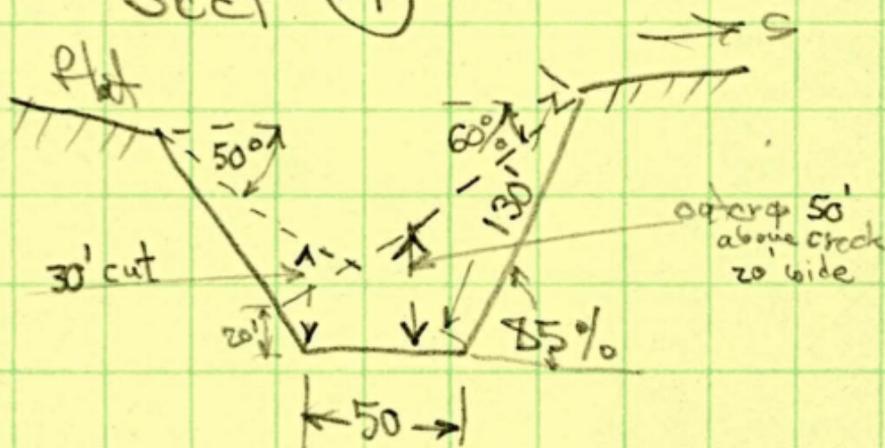
sect ②



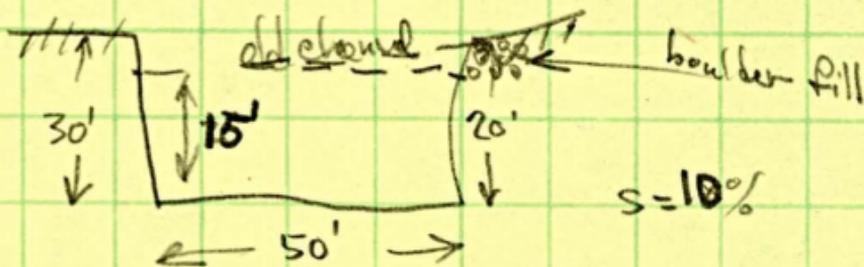
Sect ③



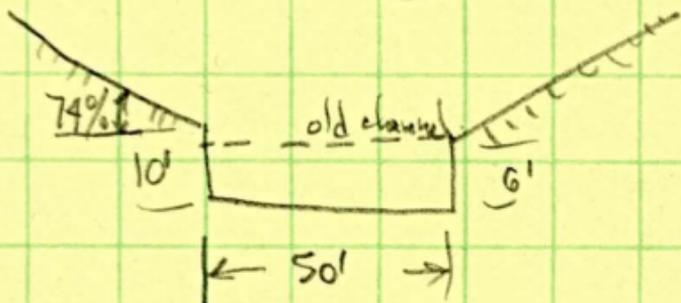
Sect ④



sect ⑤

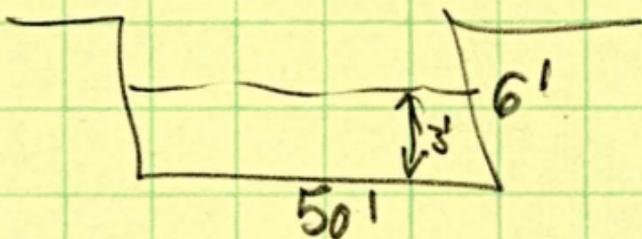


sect ⑥



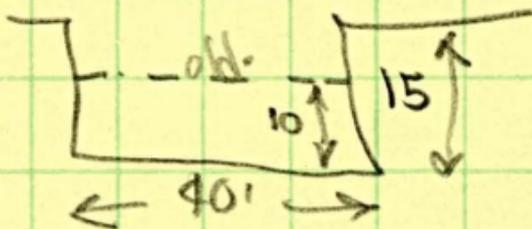
sect ⑦

100.3



sect ⑧ of bridge

99.6



duration

pt. 4

sect ④

New Canyon

