

MARVIN C. EMERSON
Executive Director



LEONARD A. SOLOMON
Assistant Director

OKLAHOMA STATE SOIL CONSERVATION BOARD

111 State Capitol Building
Phones: JA 5-0426 — JA 4-6539
OKLAHOMA CITY 5, OKLAHOMA 73105

April 5, 1965



File - SW, O, 2300 (2)
Mc - Seminole County Flood Info. File
" SW, O, 2300 (1)

Mr. D. I. McCullough
Bridge Engineer
State Highway Department
Oklahoma City, Oklahoma

RE: Peak Flood Flows on Wewoka
Creek.

Dear Mr. McCullough:

Enclosed herewith is information which you requested regarding the peak flood flows on Wewoka Creek, North of Wewoka. This information was furnished by the SCS.

If you need additional information, please advise me and I will endeavor to obtain it for you.

Sincerely,

Marvin C. Emerson

MARVIN C. EMERSON,
EXECUTIVE DIRECTOR.

RECEIVED
APR 6 1965
SURVEY DIVISION

Notes - 4-6-65

McLaughlin
(1) Talk to Zwick on this for computing at our location.
(2) It might be necessary to take a map, aerial if it would cover, go out to Gray get more accurate location of valley sections.
(3) When all clear, draws to have a letter of very clear instructions.
Mr. Stout
4-6-65

The end results should be imposed on West sheet with clear notation.

SUR. DIV.	
<input checked="" type="checkbox"/>	GHS 4-6
<input type="checkbox"/>	WWV
<input type="checkbox"/>	WNM
<input type="checkbox"/>	GWP
<input type="checkbox"/>	OCC
<input type="checkbox"/>	GER
<input type="checkbox"/>	HFJ
<input type="checkbox"/>	
<input type="checkbox"/>	

J. CLAUDE BRANNAN
Marietta, Oklahoma

LAURENCE DRAKE
Gate, Oklahoma

LEONARD GRAUMANN
Granite, Oklahoma

PAUL MUNGLE
Atoka, Oklahoma

M. G. THOMPSON
Beggs, Oklahoma

2800 South Eastern
 Oklahoma City, Oklahoma
 April 1, 1965

Mr. Marvin Emerson, Executive Director
 State Soil Conservation Board
 Oklahoma City, Oklahoma

Re: Peak flood flows on
 Wewoka Creek

Dear Mr. Emerson,

Information is being furnished regarding peak flood flows on Wewoka Creek near Wewoka, as requested by Mr. McCullough, Oklahoma Highway Department. This information was taken from the hydrology data developed during watershed work plan development.

The information requested:

1. Design storm of reservoirs

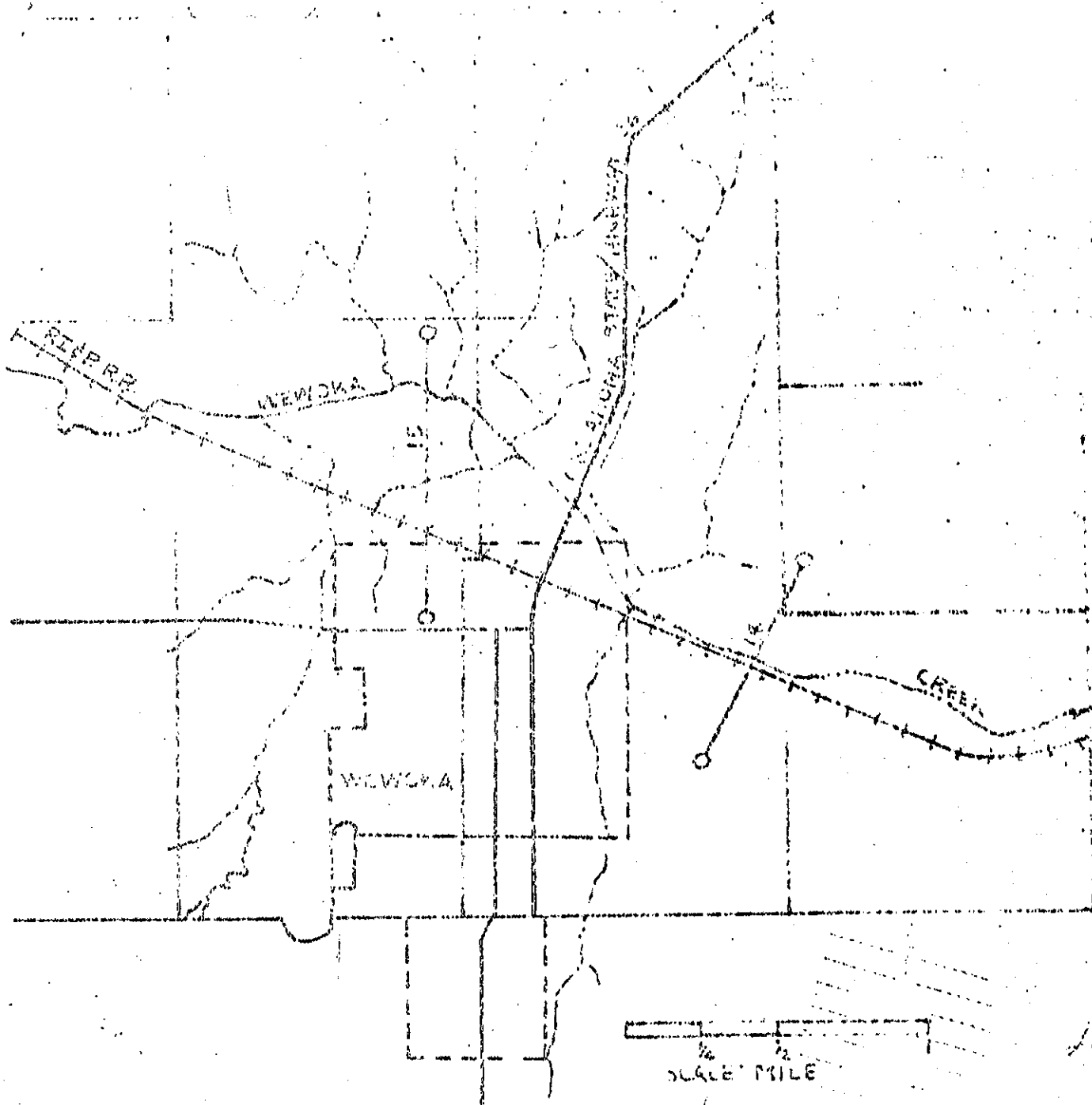
The work plan proposed 27 reservoirs on the drainage area above Highway No. 56 and with the exception of 2 of these reservoirs, all were designed to store the runoff from a 25-year frequency storm (4.4 inches).

2. Estimated peak flows at Wewoka, is referenced to valley sections above the highway (VS-15) and (VS-14) below the highway, as indicated by attached sketch.

	<u>25-Year</u>	<u>VS-14 (DA 149.5 mi.)</u>	<u>VS-15 (DA 145.6 mi.)</u>
Peak flow (cfs) Natural conditions		69,500	68,500
Elevation (foot)		782.0	790.5
Peak flow (cfs) Treated conditions		33,000	31,000
Elevation (foot)		780.0	789.0
	<u>50-Year</u>		
Peak flow (cfs) Natural conditions		80,600	79,400
Elevation (foot)		782.5	791.0
Peak flow (cfs) Treated conditions		38,300	36,200
Elevation (foot)		780.5	789.5

SUR. DIV.	
✓ GHS	AC
WWV	
WNM	
GWP	
OCC	
GER	
HFJ	

RECEIVED
 APR 6 1965
 SURVEY DIVISION



OVERLAY FOR A SEGMENT OF
WEWOKA CREEK WATERSHED

15 VALLEY CROSS SECTION

Page 2, Mr. Emerson, 4/1/65

Present criteria and methods of development would show a slight difference, however, the information furnished would be comparable.

Yours truly,

Fred R. Gray
Planning Engineer

Attachment

cc: Jack Adair

RECEIVED

APR 6 1965

SURVEY DIVISION