

SUPPLEMENTAL WATERSHED PLAN AGREEMENT NO. II

Between the

Bosque Soil and Water Conservation District
Hood-Parker Soil and Water Conservation District

Erath County Commissioners Court

Hood County Commissioners Court

Somervell County Commissioners Court

City of Glen Rose

of the State of Texas

(hereinafter referred to as the Sponsoring Local Organizations)

and the

Soil Conservation Service
United States Department of Agriculture
(hereinafter referred to as the Service)

Whereas, the Watershed Plan Agreement for the Paluxy River Watershed, State of Texas, executed by the Sponsoring Local Organizations named therein and the Service, became effective on the 20th day of April, 1976; and

Whereas, the Supplemental Watershed Plan Agreement No. I for the Paluxy River Watershed, State of Texas, executed by the Sponsoring Local Organizations named therein and the Service, became effective on the 20th day of April 1979; and

Whereas, storage of irrigation water in structure No. 16 was deleted by exchange of correspondence dated December 13, 1979; and

Whereas, in order to carry out the Watershed Plan, as supplemented, for said watershed, it has become necessary to modify said Watershed Plan Agreement, as supplemented; and

Whereas, it has become necessary to modify the Watershed Plan, as supplemented, by deleting storage of irrigation water from structure No. 17; and

Whereas, it has become necessary to change the centerline location and redesignate structure No. 17 as structure No. 17A; and

Whereas, it has become necessary to delete storage of irrigation water as a plan purpose;

Now, therefore, the Sponsoring Local Organizations and the Service hereby agree upon the following modifications of the terms, conditions, and stipulations of said Watershed Plan Agreement, as supplemented;

1. Paragraph 4 is modified to change Floodwater Retarding Structure No. 17 to Floodwater Retarding Structure No. 17A and to delete cost sharing by showing the Sponsoring Local Organizations' percent as zero and the Service's percent as 100.

2. Paragraph 5 is modified to change Floodwater Retarding Structure No. 17 to Floodwater Retarding Structure No. 17A and to delete cost sharing by showing the Sponsoring Local Organizations' percent as zero and the Service's percent as 100.

3. All related references to irrigation storage as a project purpose in the Watershed Plan are hereby understood to be deleted.

4. The attached Table 2 and Table 3 for Floodwater Retarding Structure No. 17A are hereby incorporated into the Watershed Plan.

The Sponsoring Local Organizations and the Service further agree to all other terms, conditions, and stipulations of said Watershed Agreement not modified herein.

Bosque Soil and Water Conservation District

Local Organization

By *C. Derrill Carr*

Title Chairman

Address P. O. Box 587, Meridian, Texas 76665

Date August 4, 1983

Zip Code

The signing of this agreement was authorized by a resolution of the governing body of the Bosque Soil and Water Conservation District

Local Organization

adopted at a meeting held on August 4, 1983

C. J. Rhoades Jr.
(Secretary, Local Organization)

Address P. O. Box 587, Meridian, TX 76665

Date August 4, 1983

Zip Code

Hood-Parker Soil and Water Conservation District
Local Organization

By Daryl Hutcherson

Title Chairman

Address P.O.Box 298, Weatherford, TX 76086

Date April 14, 1983 Zip Code

The signing of this agreement was authorized by a resolution of the governing body of the Hood-Parker Soil and Water Conservation District

adopted at a meeting held on Local Organization
April 14, 1983

Albert Parker
(Secretary, Local Organization)

Address P.O.Box 298, Weatherford, TX 76086

Date April 14, 1983 Zip Code

Erath County Commissioners Court
(Local Organization)

By Randy Thomas

Title County Judge

Address Courthouse, Stephenville 76401

Date March 14, 1983 Zip Code

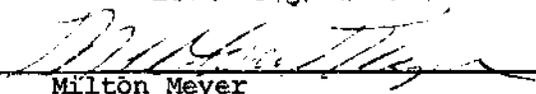
The signing of this agreement was authorized by a resolution of the governing body of the Erath County Commissioners Court

adopted at a meeting held on Local Organization
March 14, 1983

Pauline Chandler
(Secretary, Local Organization)

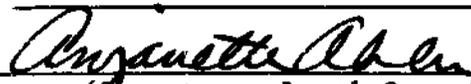
Address Courthouse, Stephenville, 76401

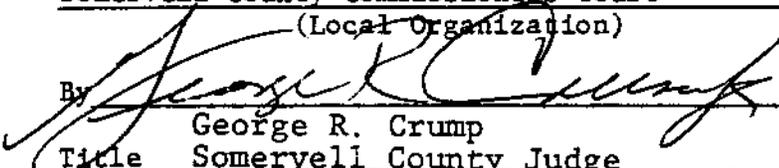
Date March 14, 1983 Zip Code

Hood County Commissioners Court
Local Organization
By 
Milton Meyer
Title County Judge
Address Room 7 Courthouse, Granbury, Tx. 76048
Date April 11, 1983 Zip Code

The signing of this agreement was authorized by a resolution of the governing body of the Hood County Commissioners Court
Local Organization

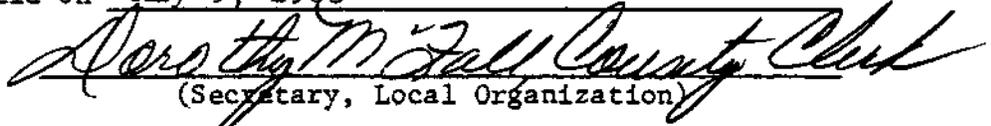
adopted at a meeting held on _____

ATTEST: 
(Secretary, Local Organization)
Anjanette Ables, County Clerk
Address Room 5 Courthouse, Granbury, Tx. 76048
Date April 11, 1983 Zip Code

Somervell County Commissioners Court
(Local Organization)
By 
George R. Crump
Title Somervell County Judge
Address Box 851, Glen Rose, Tx. 76043
Date May 9, 1983 Zip Code

The signing of this agreement was authorized by a resolution of the governing body of the Somervell County Commissioners Court
Local Organization

adopted at a meeting held on May 9, 1983


(Secretary, Local Organization)
Address Box 1098, Glen Rose, Tx. 76043
Date May 9, 1983 Zip Code

City of Glen Rose
Local Organization
By C.M. Fenter
C.M. Fenter
Title Mayor of Glen Rose
Address P.O. Box 87, Glen Rose, Texas 76043
Zip Code
Date June 6, 1983

The signing of this agreement was authorized by a resolution of the governing
body of the City of Glen Rose
Local Organization
adopted at a meeting held on June 6, 1983

Marcita Harasch
(Secretary, Local Organization)
Address P.O. Box 87, Glen Rose, Texas 76043
Zip Code
Date June 6, 1983

Appropriate and careful consideration has been given to the environmental
statement prepared for this project and to the environmental aspects
thereof.

Soil Conservation Service
United States Department of Agriculture

By Harold G. Jordan
For State Conservationist
Date AUG 09 1983

TABLE 2 - ESTIMATED STRUCTURAL COST DISTRIBUTION

Paluxy River Watershed, Texas

(Dollars) ^{1/}

Item	Installation Cost -		Installation Cost -		Total Installation Cost
	Public Law 566	Funds	Other	Funds	
Floodwater Retarding Structure No. 17A	1,225,000	73,500	1,298,500	88,100	2/ 88,100
					1,386,600

^{1/} Price Base: 1982

^{2/} Includes \$100 for legal fees

TABLE 3 - STRUCTURAL DATA - DAMS WITH PLANNED STORAGE CAPACITY

Site 17A

Paluxy River Watershed, Texas

Item	Unit	Structure No. 17A
Class of Structure		a
Seismic Zone		0
Uncontrolled Drainage Area	Sq. Mi.	20.67
Controlled Drainage Area	Sq. Mi.	-
Total Drainage Area	Sq. Mi.	20.67
Runoff Curve No. (1-Day)		63
Time of Concentration (Tc)	Hr.	3.85
Elevation Top of Dam	Ft.	1066.7
Elevation Crest Emergency Spillway	Ft.	1058.0
Elevation Crest High Stage Inlet	Ft.	1030.4
Elevation Crest Low Stage Inlet	Ft.	-
Elevation Lowest Ungated Outlet	Ft.	1021.5
Emergency Spillway Type		Veg.
Emergency Spillway Bottom Width	Ft.	300
Emergency Spillway Exit Channel Slope	%	5.0
Maximum Height of Dam	Ft.	72
Volume of Fill ^{1/}	Cu. Yd.	491,800
Total Capacity ^{2/}	Ac. Ft.	5,236
Sediment Submerged (Lowest Ungated Outlet) ^{2/}	Ac. Ft.	152
Sediment Submerged	Ac. Ft.	683
Sediment Aerated	Ac. Ft.	78
Municipal Water Supply	Ac. Ft.	-
Floodwater Retarding Between High and Low Stage	Ac. Ft.	4,475
Surface Area		-
Lowest Ungated Outlet	Ac.	35
Sediment Pool	Ac.	84
Water Supply Pool	Ac.	-
Floodwater Retarding Pool	Ac.	268
Principal Spillway Design		
Rainfall Volume (1-Day)	In.	8.70
Rainfall Volume (10-Day)	In.	14.50
Runoff Volume (10-Day)	In.	5.79
Capacity of Low Stage (Maximum)	cfs	-
Capacity of High Stage (Maximum)	cfs	294
Dimensions of Conduit	In.	42
Frequency Operation - Emergency Spillway	% Chance	1.2
Emergency Spillway Hydrograph		
Rainfall Volume	In.	9.04
Runoff Volume	In.	4.50
Storm Duration	Hr.	6
Velocity of Flow (Ve)	Ft./Sec.	3.6
Maximum Reservoir Water Surface Elev.	Ft.	1058.6
Freeboard Hydrograph		
Rainfall Volume	In.	15.07
Runoff Volume	In.	9.77
Storm Duration	Hr.	6
Maximum Reservoir Water Surface Elev.	Ft.	1065.7
Discharge per Foot of Width (Qe/b)	Ac. Ft.	19.1
Bulk Length	Ft.	500
Capacity Equivalents		
Sediment Volume	In.	.69
Floodwater Retarding Volume	In.	4.06
Water Supply Volume	In.	-

^{1/} Crest of emergency spillway.

^{2/} Volume included in submerged sediment.