

SUPPLEMENTAL WATERSHED PLAN AGREEMENT NO. II

Between the

Brown-Mills Soil and Water Conservation District
Local Organization

Central Colorado Soil and Water Conservation District
Local Organization

Lower Clear Fork of the Brazos Soil and Water Conservation District
Local Organization

Middle Clear Fork Soil and Water Conservation District
Local Organization

Upper Leon Soil and Water Conservation District
Local Organization

(hereinafter referred to as the Sponsoring Local Organization)

State of Texas

and the

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

Whereas, the Watershed Plan Agreement for the Upper Pecan Bayou Watershed, State of Texas, executed by the Sponsoring Local Organization named therein, and the Service, became effective on the 5th day of February 1966; and

Whereas, the Supplemental Watershed Plan Agreement No. I for said watershed, executed by the Sponsoring Local Organization named therein and the Service, became effective on the 18th day of October 1971; and

Whereas, in order to complete the overall resource development program and to control critical sediment source areas for Upper Pecan Bayou Watershed, it has become necessary to modify the agreement to include critical area treatment measures; and

Whereas, there has been developed through the cooperative efforts of the local organization and the Service, a mutually satisfactory plan for critical area treatment on the Upper Pecan Bayou Watershed, which supplement is annexed to and made a part of this agreement; and

Whereas, the supplement describes the watershed problems and sets forth a plan for works of improvement, the kinds and quantities of measures to be installed, the estimated cost, cost-sharing arrangements, maintenance and other responsibilities of those participating in the project; and

Whereas, it has become necessary to modify the Watershed Plan, as supplemented, to reflect current policy and terminology relative to engineering and project administrative costs;

Now, therefore, in view of the foregoing considerations, the local organization and the Secretary of Agriculture, through the Service, hereby agree on the supplement, and further agree that the works of improvement as set forth in said supplement will be installed, operated and maintained substantially in accordance with the terms, conditions and stipulations provided therein.

- (1) Add land treatment measures for stabilization of critical areas on approximately 6,000 acres. These acres will be treated with planned measures such as shaping, vegetating and appurtenant structural measures.
- (2) A separate agreement will be entered into between the Service and the District Cooperator before either party initiates work involving funds of the other party. Such agreement will set forth in detail the financial and working arrangements and other conditions that are applicable to the specific works of improvement.
- (3) The costs shown in this agreement represent preliminary estimates. In finally determining the costs to be borne by the parties hereto, the actual costs incurred in the installation of works of improvement will be used.
- (4) This agreement is not a fund obligating document. Financial and other assistance to be furnished by the Service in carrying out the supplement is contingent on the appropriation of funds for this purpose.
- (5) The supplement may be amended or revised, and this agreement may be modified or terminated only by mutual agreement of the parties hereto except that an amendment to incorporate changes affecting one specific local sponsor may be made by mutual agreement between the Service and that sponsor involved.

The Sponsoring Local Organization and the Service further agree to all other terms, conditions and stipulations of said watershed plan agreement not modified herein.

Brown-Mills Soil & Water Conservation District

Local Organization

Box 567, Brownwood, TX 76801
Address Zip Code

By Betty J. Bueck
Title ACTING CHAIRMAN
Date 12-21-78

The signing of this agreement was authorized by a resolution of the governing body of the Brown-Mills Soil & Water Conservation District adopted at a meeting

Local Organization

held on 12-21-78

W. G. Husker
Secretary, Local Organization

GOLDTHWAITE, TX 76744
Address Zip Code

12-21-78
Date

Central Colorado Soil and Water Conservation District

Local Organization

PO Box 867, Coleman TX 76834
Address Zip Code

By Ben Wilson Jr.
Title Chairman
Date 12/7/78

The signing of this agreement was authorized by a resolution of the governing body of the Central Colorado Soil & Water Conservation District adopted

Local Organization

at a meeting held on 12/7/78

J. A. Martin
Secretary, Local Organization

Santa Anna TX 76878
Address Zip Code

12/7/78
Date

Lower Clear Fork of the Brazos Soil and Water Conservation District
Local Organization

Box 488, Albany TX 76430
Address Zip Code

By Jack Fambard
Title CHAIRMAN
Date 12/13/78

The signing of this agreement was authorized by a resolution of the governing body of the Lower Clear Fork of the Brazos Soil and Water Conservation

Local Organization

District adopted at a meeting held on 12/13/78

John Blinbauer
Secretary, Local Organization

Box 488, Albany 76430
Address Zip Code

12-13-78
Date

Middle Clear Fork Soil and Water Conservation District

Local Organization
of the Old Country Club

Abilene, TX 79602
Address Zip Code

By [Signature]
Title Chairman
Date 1-4-79

The signing of this agreement was authorized by a resolution of the governing body of the Middle Clear Fork Soil and Water Conservation District adopted at a meeting held on _____
Local Organization

[Signature]
Secretary, Local Organization
1-4-79
Date

[Signature]
Address Zip Code

Upper Leon Soil and Water Conservation District

Local Organization

201 N. Post Oak
Dublin, TX 76446
Address Zip Code

By [Signature]
Title Chairman
Date 12-14-78

The signing of this agreement was authorized by a resolution of the governing body of the Upper Leon Soil and Water Conservation District adopted at a meeting held on _____
Local Organization

12-14-78
[Signature]
Secretary, Local Organization
12-14-78
Date

Box 5, Rising Star, TX 76471
Address Zip Code

Soil Conservation Service
United States Department of Agriculture

Approved by:

[Signature]
State Conservationist ACTING

JAN 12 1979
Date

SUPPLEMENTAL
WATERSHED PLAN NO. II

UPPER PECAN BAYOU WATERSHED
of the Middle Colorado River Watershed
Brown, Coleman, Callahan, Taylor and Eastland Counties, Texas

November 1978

PURPOSE OF THE SUPPLEMENTAL PLAN

The purpose of this supplemental watershed plan for the Upper Pecan Bayou watershed is to provide a method to treat critical sediment source areas in the watershed not now provided for in the plan and to modify the plan to reflect current policy and terminology relative to engineering and project administration cost.

The original plan, as supplemented, provided flood prevention funds for accelerated technical assistance to help landowners of the watershed to plan and apply land treatment measures and provided for the installation of a system of 34 floodwater retarding structures and one multiple-purpose structure. The accelerated land treatment assistance, 24 floodwater retarding structures and the multiple-purpose structure have been completed.

There now exist in the watershed critical sediment source areas which need to be stabilized to reduce erosion and sedimentation, protect structural measures and improve environmental conditions.

The purpose of this supplement is to provide for the use of flood prevention funds on a cost-share basis to install land treatment measures to control and stabilize critical sediment source areas.

WATERSHED PROBLEMS

Although the structural measures and accelerated land treatment measures have been installed, there still remain areas which yield large amounts of sediment. Erosion from critical areas is a problem and critical area treatment is especially important in providing additional cover that will reduce the rate of sediment laden runoff. This sediment contributes to the filling of downstream reservoirs, pollutes streams and rivers reducing both quality of water and capacity to carry water, damage roads and bridges and provides deposition to downstream flood plains and adversely affects the overall quality of our rural environment.

WORKS OF IMPROVEMENT TO BE INSTALLED

The works of improvement to be installed consist of land treatment measures necessary to stabilize critical sediment source areas on about 6,000 acres.

These measures include shaping, clearing, preparation for vegetation, mulching, fertilizing, vegetating, fencing and construction of appurtenant grade stabilizing structures such as pipe drops, drop inlets, formless concrete chutes, diversions and dams. Vegetation will include plants such as trees, shrubs, vines, grasses and legumes.

EXPLANATION OF INSTALLATION COSTS

The total estimated cost of installing the planned measures covered by this supplement is \$2,500,000, of which \$2,100,000 is for construction (stabilization) cost and \$400,000 is for technical assistance. Of the \$2,100,000 cost for construction 80 percent, or \$1,680,000 will be federal cost and 20 percent, or \$420,000 will be local cost.

BENEFITS FROM WORKS OF IMPROVEMENT

These land treatment measures when efficiently applied to the critical areas and properly maintained will be effective in the prevention of the deterioration of the watershed. Valuable soil that is irreplaceable will be protected and further loss of a resource will be prevented. The productivity and monetary value of adjoining areas will be maintained or enhanced by the healing of these critical areas. Benefits will accrue from protection of land and improvements which otherwise would be damaged through the extension of gully systems. Society as a whole will benefit through the prevention of destruction of an irreplaceable resource. Sediment being delivered to downstream reservoirs, flood plains and streams will be reduced.

Vegetative treatment of these areas will provide additional habitat, cover, protection and breeding places for wildlife. This in turn can help to maintain the ecological balance of nature.

Treatment of the exposed areas will improve the appearance and enhance the beauty of the terrain for the air and land travelers by minimizing or eliminating the visual impact of raw eroding areas.

Economic conditions will be improved by maintaining the productivity of the area and making it possible for owners and operators to continue with economic units on fewer acres. The community will benefit because the tax base will be maintained and strengthened so that tax supported community services can be financed.

INSTALLATION AND FINANCING

Critical area stabilization measures will be planned and installed through cooperation of landowners and operators with their soil and water conservation district. Each conservation district will be responsible for the work in their respective districts. The sponsoring local organization will acquire without cost to the federal government such construction permits as will be needed for the installation of critical area treatment measures included in this supplement. They will make

arrangements with individuals, county commissioners, or other groups responsible for the land on which the work is being installed. Planned measures to be cost-shared will be included as a part of a conservation plan approved by the District. Depending on the preference of those concerned, installing the works of improvement will be handled by one of the following methods: (1) contract, (2) force account, or (3) installation by the cooperator on a cost-share basis. A Conservation Plan Supplement (C.P.S.) will be completed prior to beginning installation of any cost-share land treatment work. This Conservation Plan Supplement will specify method of installation, planned treatment, quantities, estimated costs and estimated time schedule for installation, etc., for cost-shared and essential noncost-share practices. Cost-sharing on planned measures will be 80 percent federal funds and 20 percent local funds. The necessary technical assistance will be furnished by the Service and cost-shared measures will be installed in accordance with Service standards and specifications.

OPERATION AND MAINTENANCE

The critical area stabilization measures will be maintained by the landowners, county commissioners, or other groups responsible for the land on which the work is being installed. Based on technical recommendation by the Soil Conservation Service, an operation and maintenance agreement will be entered into by the conservation district and the landowner concerned.

Provisions will be made for free access of District, State and Federal representatives to inspect all critical area stabilization measures at any time.

Operation and maintenance inspections for critical area stabilization measures will be made by the Service employee responsible for operation and maintenance inspection and the sponsors on an annual basis for the first 5 years, or after unusually severe floods, or after the occurrence of any other unusual conditions that might adversely affect these measures.

TABLE 1 - ESTIMATED PROJECT INSTALLATION COST
Upper Pecan Bayou Watershed, Texas

LAND TREATMENT Land Areas	Acres	Number	Federal Funds		Non-Federal Land		Total
			Federal	Non-Federal	Federal	Non-Federal	
Grassland	Acres						
Grassland	19,279						
Critical Area Stabilization	6,000						
Technical Assistance	490,000						
TOTAL LAND TREATMENT	xxx	xxx	xxx	xxx	2,170,000	2,172,300	4,342,300
STRUCTURAL MEASURES							
Construction							
Housekeeping Retaining Structures	No.	34			6,088,000		6,088,000
Multi-Purpose Structure	No.	1			181,695	95,279	276,974
Banked Outlet Structure	No.	1				13,500	13,500
Bank Retention Outlet Facilities	No.	1			36,995	36,996	73,991
Subtotal Construction					6,306,690	145,775	6,452,465
Engineering Services					756,800	15,873	772,673
Project Administration							
Construction Inspection					630,670	10,000	640,670
Other					567,600	18,000	585,600
Subtotal Administration					1,198,270	28,000	1,226,270
Other Cost							
Land Rights					61,352	786,295	847,647
Water Rights					61,352	5,000	66,352
Subtotal Other					122,704	791,295	913,999
TOTAL STRUCTURAL MEASURES							
					8,323,112	980,943	9,304,055
TOTAL PROJECT							
					10,493,112	3,153,243	13,646,355

1/ Price Base: 1978 for Critical Area Stabilization and FRS 8, 13, 14, 15, 16, 17, 18, 27, 28 and 29. Actual cost for other measures.

TABLE 1 - ESTIMATED PROJECT INSTALLATION COST
Upper Pecan Bayou Watershed, Texas

Installation Cost Item	Unit	Number	Federal Funds		Non Federal Land		Total
			Federal	Non Federal	Land	Other	
LAND TREATMENT							
Land Areas							
Cropland	Acres	-	39,279	-	-	915,192	915,192
Grassland	Acres	-	81,119	-	-	837,108	837,108
Critical Area Stabilization	Acres	-	6,000	6,000	1,680,000	420,000	2,100,000
Technical Assistance					490,000	-	490,000
TOTAL LAND TREATMENT		xxx	xxx	xxx	2,170,000	2,172,300	4,342,300
STRUCTURAL MEASURES							
Construction							
Rehabilitated Retarding Structures	No.	-	36	36	6,088,000	-	6,088,000
Multiple-purpose Structure	No.	-	1	1	181,695	95,279	276,974
Municipal Outlet Structure	No.	-	1	1	-	13,500	13,500
Roads Recreational Facilities	No.	-	1	1	36,995	36,996	73,991
Subtotal Construction					6,306,690	145,775	6,452,465
Engineering Services					756,800	15,873	772,673
Project Administration					630,670	10,000	640,670
Construction Inspection					567,600	18,000	585,600
Other					1,198,270	28,000	1,226,270
Other Cost					61,352	786,295	847,647
Land Rights					61,352	5,000	66,352
Water Rights					61,352	791,295	852,647
Subtotal Other					122,704	1,568,590	1,691,294
TOTAL STRUCTURAL MEASURES					8,323,112	980,943	9,304,055
TOTAL PROJECT					10,493,112	3,153,243	13,646,355

1/ Price Base: 1978 for Critical Area Stabilization and FRS 8, 13, 14, 15, 16, 17, 18, 27, 28 and 29. Actual cost for other measures.