U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250

DEPARTMENTAL MANUAL	Number: 9500-001
SUBJECT: Conservation Reporting and Evaluation System (CRES)	DATE: December 22, 1993
	OPI: Agricultural Stabilization and Conservation Service, CEPD

PART I GENERAL PROVISIONS OF THE SYSTEM

1 PURPOSE OF CONSERVATION REPORTING AND EVALUATION SYSTEM

The Conservation Reporting and Evaluation System (CRES) is a Departmental system to collect, store, retrieve, and analyze data for conservation programs administered by ASCS. The system also provides management information needed to be responsive to National Conservation Program (NCP) objectives.

2 SPECIAL INSTRUCTIONS

OBSOLETE DIRECTIVE. DM 9500-1, Revision 3, Conservation Reporting and Evaluation System, is obsolete.

3 GENERAL

a This part contains USDA policy and procedures for reporting the extent, cost, and effects of conservation measures applied to the land with assistance from USDA.

b CRES data is electronically transmitted by ASCS county offices to State offices. The data is reviewed in each State office and transmitted to Kansas City.

c USDA's data processing center at Kansas City, Missouri, consolidates the CRES data for storage and use by USDA specialists and policy makers. ASCS access to CRES data is coordinated by the Conservation and Environmental Protection Division.

d Form AD-862, "Conservation Reporting and Evaluation System Data Sheet", is used for collecting CRES data with instructions in Appendix F.

e ASCS, SCS, and FS are jointly using this system to collect conservation data for:

(1) All ASCS cost-shared practices, statistical reports, monitoring, and evaluation of ACP, CRP, CRSC, ECP, FIP, RCWP, TAP, WBP, and WRP.

(2) FS evaluation of FIP practices and technical assistance activities.

4 ABBREVIATIONS AND FORMS

Abbreviations and forms are listed alphabetically in Appendix A.

5 DEFINITIONS

Definitions are provided in Appendix B.

6 CRES OBJECTIVES

The objectives of CRES are to:

a Provide data for improved management of the USDA natural resource treatment activities.

b Provide USDA with a nationally consistent and coordinated evaluation and reporting system for all conservation efforts being applied to the land, and

c Provide USDA field offices with data needed to help determine conservation needs and practicability and set priorities.

7 CRES MEMORANDUM OF UNDERSTANDING

Memorandums of understanding between the Chief, SCS, the Chief, FS, and the Administrator, ASCS, established a cooperative working relationship between the agencies for carrying out CRES. See Appendix D. State and county participation in CRES beyond that outlined herein is based on an agreement between the FS Regional Forester/Area Director, the SCS State Conservationist and the ASCS State Executive Director.

8 DATA COLLECTION FORMS

Form AD-862 is the data-collection form developed for CRES. It is used to collect data for statistics, monitoring, and evaluation of conservation practices under USDA financial and technical assistance programs.

9 PURPOSE OF EVALUATION AND STATISTICS

Comparative data can be used by conservation program managers to make adjustments to conservation programs to allocate resources to:

a Reduce soil loss.

b Conserve water.

c Reduce water pollution from agricultural operations.

d Improve farm woodland resources.

e Increase the cost effectiveness of conservation.

f Improve forage resources.

g Improve wildlife resources.

10 APPLICABILITY OF USDA EVALUATION

a This Manual provides instructions for the collection of statistical data.

b The instructions in this part apply to all ASCS, SCS, FS, and other agencies with technical responsibility for any practice of the conservation programs administered by ASCS.

11-14 (RESERVED)

PART II OPERATING PROCEDURES

15 DATA COLLECTION

ASCS, SCS and FS have agreed by memorandums of understanding to collect data for improved program management and evaluation of cost-share programs administered by ASCS. See Appendix D.

16 ASCS GENERAL INSTRUCTIONS

ASCS will:

a Prepare an AD-862 for each practice the ASCS county committee (COC) is going to consider for approval.

b Send the AD-862 to assigned technician for determination of need and feasibility of each referred ASCS practice. After receiving the assigned technician's determination, ASCS then approves or disapproves the request for cost sharing. For approved requests, ASCS then returns the AD-862 to the assigned technician.

c For all potentially significant cultural or historic sites identified during the needs and feasibility process, indicate that clearance by the State Historic Preservation Officer has been obtained.

For nonreferred practices, make the needs and feasibility determination and complete the applicable sections of the AD-862 identified as "ASSIGNED TECHNICIAN" in APPENDIX F.

d Ensure completion of AD-862's

e Have County Offices electronically transmit the AD-862 file to the State Office weekly. State Offices shall electronically transmit the AD-862's to KCMO as instructed in 2-ACP (Rev. 2) paragraph 453.

f In RCWP project areas provide SCS with blank AD-862's for non cost-shared RCWP practices as soon as the practice is completed but not later than the annual status review.

17 SCS GENERAL INSTRUCTIONS

SCS will:

a When determining the need and feasibility of an ASCS practice, provide the units needed of each ASCS practice component requested and data on existing site condition "Before" and planned site condition "After" for the practice to be applied.

b Report to ASCS any potentially significant cultural or historic site encountered during the needs and feasibility process.

c Complete AD-862 when a practice or system of practices is applied. Practices planned with SCS assistance are reportable when satisfactorily applied for the first time in accordance with applicable standards and specifications. Previously reported practices that fail and are reapplied on the same conservation treatment unit (CTU) are reportable only when satisfactorily applied with additional technical assistance. This precludes the annual reporting of recurring practices. One completed Form AD-862 is required for each ASCS referred cost-shared practice (e.g., SL4) with component and/or supporting practices.

d Provide the technical data for ASCS practices assigned to SCS in all Counties.

Do one or both of the following for practices for which the ASCS County Committee (COC) has kept technical responsibility, as agreed to by the Agencies at the State and County level:

(1) Train ASCS County Office employees to determine soil erosion rates.

(2) Provide "before" and "after" benefits of conservation practices applied.

e Ensure that SCS personnel entering data for practices which they have technical responsibility signs block A 11.

f Furnish minimum evaluation data. At least one Primary Purpose section (sections C through G) will be completed on each AD-862 submitted.

g At the time of certification, adjust, if necessary, the conditions entered previously in section C, D, or E. The "After" conditions entered on the AD-862 represent the results of the ASCS cost-shared practice listed in Section A block 8 and applicable technical practices listed in Section B, block 12a. Only those technical practices that are installed or to be installed in the current Fiscal year and that relate to the ASCS conservation practice and technical practice description are to be shown in Section B, block 12, of the AD-862.

Technical practices listed in Section B, block 12a, are considered applied and subject to lifespan requirements determined by ASCS. Technical practices listed in Section B, block 12 may or may not constitute a resource management system.

h Return the original of form AD-862 to ASCS after certification and making a copy for the file.

i For a non cost-shared RCWP practice, initiate the AD-862 as soon as the practice is completed, but not later than the annual status review. SCS will be provided blank AD-862's for non-cost-shared RCWP practices by ASCS.

18 FS GENERAL INSTRUCTIONS

FS will:

a Provide technical data for forestry practices assigned to FS under all ASCS conservation programs.

b Complete Section F for ASCS practice code (block B3) with prefix FP, SF, or FR. Section C, D, E, F, or G may be completed even if not designated as primary purpose but, if completed, must meet validity checks.

c Provide technical data for forestry practices completed under SIP.

19 TECHNICAL RESPONSIBILITIES FOR CONSERVATION PRACTICES

Conservation practices should be consistent with a participant's farm plan that may have been developed with local Soil Conservation District cooperation.

a The assigned technician will determine whether:

(1) The requested practice is needed to solve an existing conservation or pollution problem on the land involved.

(2) Installing the practice is practical. For LTA's and contracts, this determination is made on the producer's request for assistance and related CPO, FMP or appropriate plan.

(3) The installation is primarily for the applicant's convenience.

b The assigned technician shall report, on AD-862, any readily observable facts about program eligibility outside technician's direct technical responsibility.

(1) The technician shall never make an unqualified, favorable determination if the facts indicate that the practice may not be eligible, based on program provisions.

(2) If the technician has information that indicates a practice may not be eligible, the technician shall

prepare AD-862 showing whether the practice is needed and describe the eligibility question in writing.

(a) If an unfavorable determination is made, the technician shall enter a statement to that effect, including the reasons, on AD-862.

(b) The technician should explain the basis for the unfavorable determination to the producer.

(c) COC shall promptly notify the producer in writing of the reason that the practice was not approved. Advise the producer of the right to appeal the determination.

(3) The technician shall review the practice to ensure that the environmental concerns and the needs of wildlife are taken into consideration.

c If the C/S rate is a percentage of cost, COC shall request the technician to show on AD-862 an accurate estimate of the cost of performing the practice.

d The technician shall:

(1) Report the findings on AD-862. These findings should include a statement that the practice complies with the overall objectives of the farm plan. COC shall take this statement into account when considering the request for approval.

(2) Not return the referral until an accurate estimate of needed units or cost can be provided, upon which COC can base its commitment of funds. The technician shall wait until the design work is completed on a structure, if appropriate. The AD-862 shall be returned by the referral expiration date indicated in block A5 of the AD-862.

(3) On AD-862, include findings of the needed extent and any other pertinent information. The technician or designee shall sign AD-862.

Signed by:

Parks Shackelford

Number	Title	Unit of Issue	Principal Reference
ACP-151 (01-13-92)	Water Quality Worksheet	Sheet	Apps. F and G
ACP-245 (03-30-89)	Request for Cost-Sharing	Sheet	App. F
AD-862 (10-11-91)	Conservation Reporting and Evaluation System Data Sheet	Sheet	Apps. D and F

ABBREVIATIONS USED IN THIS HANDBOOK

Approved Abbreviation	Term
AC	Acres
ACP	Agricultural Conservation Program
ANA	Annual Agreements
ARS	Agricultural Research Service
AS	Acres Served
ASCS	Agricultural Stabilization and Conservation Service
AU	Animal Unit
AUM's	Animal-unit-months
BMP	Best Management Practice
C/S	Cost-Share
CEPD	Conservation Environmental Protection Division
CM&E	Comprehensive Monitoring and Evaluation
CO	Conservation Operations
COC	County Committee
COMM	Community
CRP	Conservation Reserve Program
CRSC	Colorado River Salinity Control Program
CRES	Conservation Reporting and Evaluation System
CTA	Conservation Technical Assistance

CTU	Conservation Treatment Unit
CUA	Conservation Use Acreage
DBH	Diameter Breast Height
ECP	Emergency Conservation Program
ERS	Economic Research Service
ES	Extension Service
FAP	Forage Assistance Program
FIP	Forestry Incentives Program
FIPS	Federal Information Processing Standards
FLD	Field
FMP	Forest Management Plan
FS	Forest Service
FY	Fiscal Year
GPCP	Great Plains Conservation Program
KCMO	Kansas City Management Office
LTA	Long-Term Agreement
MYCS	Multi-Year Cost Share Program
NCP	National Conservation Program
NPSWC	National Program for Soil and Water Conservation
NRI	National Resource Inventory
NU	Number of Units
O&M	Operations and Maintenance
P-A	Pooling Agreement
RCA	Resource Conservation Act
RCWP	Rural Clean Water Program
SCS	Soil Conservation Service
SED	State Executive Director
SIP	Stewardship Incentive Program
SRP	Salinity Reduction Practice
"T"	Soil Loss Tolerance

TAP	Tree Assistance Program
USDA	United State Department of Agriculture
VC/SL	Variable Cost-Share Levels
WBP	Water Bank Program
WQIP	Water Quality Incentive Project
WRP	Wetlands Reserve Program

APPENDIX B
(SEC. 5)

SOIL LOSS TOLERANCE

The maximum rate of annual soil erosion that may occur and still permit a high level of crop productivity to be obtained economically and indefinitely.

Note: CONTACT OIRM, IMD ON 202-720-8799 or FAX 202-205-2831 FOR THE PAPER COPY OF THE FOLLOWING IMAGES: Appendix D, "Memorandum of Understanding Between the Agricultural Stablization and Conservation Service, USDA and the Soil Conservation Service, USDA Relating to Conservation Reporting and Evaluation System (CRES)", pages D-1 thru D-4 and Appendix E, "AD-862 - Conservation Reporting and Evaluation System"

APPENDIX F
Revision 4

COMPLETING AD-862

STATE AND COUNTY CODES AND CHECK DIGIT ASCS system generated.

CONTROL NUMBER

ASCS system assigned using last two digits of fiscal year and a sequentially assigned number. The AD-862 is assigned the same control number as the corresponding ACP-245.

SECTION A - REFERRAL INFORMATION

A1 - NAME AND ADDRESS.
ASCS system generated from corresponding ACP-245.

A2 - TELEPHONE NUMBER.
ASCS system generated from corresponding ACP-245.

A3 - CONTRACT ID.
ASCS system generated, if applicable, from corresponding ACP-245.

A4 - PRACTICE TO BEGIN.
ASCS system generated from corresponding ACP-245.

A5 - REFERRAL EXPIRES.
ASCS system generated from corresponding ACP-245.

A6 - PRACTICE LOCATION.
ASCS system generated from corresponding ACP-245.

A7 - NEEDS STATEMENT.
ASSIGNED TECHNICIAN enters any information relevant to the practice application.

A8 - PRACTICE DESCRIPTION.
ASCS system generated from corresponding ACP-245.

A9 - EXTENT REQUESTED.
ASCS system generated from corresponding ACP-245.

A10 - EXTENT NEEDED.
ASSIGNED TECHNICIAN enters the extent needed for the practice components described in Block A8.

A11 - SIGNATURE AND DATE.
ASSIGNED TECHNICIAN shall certify needs by signing and dating AD-862.

SECTION B - GENERAL INFORMATION

B1 - PRIMARY PURPOSE.
ASCS system generated from corresponding (### ACP-245 using one of the following codes: (See Appendix K) - ### 11/29/94)

C = Erosion Control

D = Water Conservation

E = Water Quality

F = Wood Production

G = Other Assistance

B2 - PROGRAM.
ASCS system generated from corresponding ACP-245
or SIP-245 using one of the following codes:

ACP-ANA	Agricultural Conservation Program - Annual Agreement
ACP-LTA	Agricultural Conservation Program - Long-Term Agreement
CRP	Conservation Reserve Program
CRSC	Colorado River Salinity Control Program
ECPD	Emergency Conservation Program - Drought
ECPF	Emergency Conservation Program - Flood
ECPH	Emergency Conservation Program - Hurricane
ECPHS	Emergency Conservation Program - Hurricane - Supplemental
(### ECPHSF	Emergency Conservation Program - Hurricane - Supplemental - Fencing
ECPMF	Emergency Conservation Program - Midwest Flood
ECPMWF2	Emergency Conservation Program - Midwest Flood 2 ### 11/29/94)
ECPT	Emergency Conservation Program - Tornado
ECPO	Emergency Conservation Program - Other
FIP-ANA	Forestry Incentives Program - Annual Agreement
FIP-LTA	Forestry Incentives Program - Long-Term Agreement
RCWP	Rural Clean Water Program
SIP	Stewardship Incentive Program
TAP	Tree Assistance Program
WBP-C/S	Water Bank Program - Cost-Shares
WRPCS	Wetlands Reserve Program - Cost Share

B3 - PROGRAM PRACTICE NO.
ASCS system generated from
corresponding ACP-245 using one of the ASCS practice codes listed

in Appendix G.

B4 - VC/SL.
ASCS system generated from corresponding ACP-245.

B5 - FUND CODE.
ASCS system generated from corresponding ACP-245
using one of the following codes:

00 = Regular Ledger

(### ### 11/29/94)

07 = Water Quality Special Project

08 = Hydrologic Unit (WQ)

09 = USDA Demonstration Project (WQ)

10 = FY 1992 Water Quality Incentive Project

11 = FY 1993 Water Quality Incentive Project

12 = FY 1994 Water Quality Incentive Project

(###
13 = FY 1995 Water Quality Incentive Project
11/29/94)

50 = State Funded ACP Special Project

99 = Other Special Funded Project

B6 - ESTIMATED TOTAL COST. ASSIGNED TECHNICIAN enters in whole numbers the estimated total cost of all components listed in A8.

EXCEPTION - Do not include the costs of Management practices including Conservation Tillage, Conservation Cropping Sequence, Pasture and Hayland Management or other management practices for which accurate cost data are not available unless the practice receives financial assistance from any USDA program. SCS should use field office data, flat rate schedules, data from conservation complement computer printouts, or other available data. DO include operation and maintenance (O&M) costs. If present, be 1 through 999999 and greater or equal to the estimated cost-share.

B7 - ESTIMATED COST-SHARE. ASCS system generated from corresponding ACP-245 if entered prior to the AD-862 being printed.

Otherwise, ASCS enters in whole dollars the total estimated C/S amount for the components identified in section A8.

If present, must be numeric and greater than zero, unless Practice Prefix = "BMP" or "SRP". Must be blank or zero for "CP10", "CP11" and "CP12".

B8 - PRACTICE EXTENTS. ASSIGNED TECHNICIAN enters the extent performed for the practice listed in B3, in the extent(s) specified for the ASCS practice listed in Appendixes G and P.

Acres may be from .1 to 99999.9.

FOR SIP4 ONLY: The following formula will be used to calculate the acres served: the distance of protection is equivalent to ten times the height of trees at 20 years of age (10H).

B9 - LAND CAPABILITY CLASS & SUBCLASS. ASSIGNED TECHNICIAN enters the land capability class and subclass. Use the Arabic number for capability class and capital letters for subclass, for example 1, 2E, 3W. Class must be 1-8. If class is greater than 1, subclass must be C, E, S, or W. Class must be greater than 1 if program code is CRP, except for CP13 and CP14. Not required program code in block B2 is ECP, CRSC, MYCS, TAP, or Practice SP53 and WP8.

This item refers to the predominant soil type where the practice is applied.

B10 - SOIL LOSS TOLERANCE. ASSIGNED TECHNICIAN enters the soil loss tolerance (T) in tons per acre per year. The soil loss tolerance should be obtained from the field office technical guide. Values range from 0 to 5 and are in whole numbers. "0" indicates that the "T" value is not known and is valid only for practices CP13 and CP14 or when Land Cover/Use Code, Before (block B11) is 8. Not required if program code in block B2 is ECP, CRSC, MYCS, TAP or Practice SP53 and WP8. This item refers to the predominant soil type where the practice(s) is applied.

B11 - LAND COVER/USE. ASSIGNED TECHNICIAN enters the appropriate code for the land cover/use "Before" and "After" the practice is applied. Not required if Program Code in block B2 is CRP, CRSC, ECP, MYCS, TAP or Practice SP53 and WP8. Use one of the following codes:

1 = Cropland - grain crop(e.g., cash grain enterprise)

2 = Cropland - not a grain crop

3 = Hayland

4 = Pasture

5 = Rangeland

6 = Forest - grazed

7 = Forest - not grazed

8 = Other

Note: Permanent hayland is a separate land cover/use. (Hay in a cropland rotation is included in cropland.)

B-12- TECHNICAL PRACTICES APPLIED.

B12a - Technical Practice. ASSIGNED TECHNICIAN enters the appropriate technical practice codes from those listed in Appendix G or Appendix H. For Program Practice No. (block B3) with prefix FP, or FR, at least one cost-shared primary technical practice code must be present.

Primary and secondary technical practice codes for FP, SF, or FR practices are listed in Appendix H.

B12b - Cost-Shared. ASCS enters (Y)es or (N)o. If cost-shared, the technical practice must be listed in Appendix G as an eligible technical practice code of the ASCS practice.

B12c - Units Planned/Applied. ASSIGNED TECHNICIAN enters the total number of units planned/applied for each technical practice code shown in block B12a. The measurement units for each (### practice are those shown in Appendix H. (Must be acre, number, of feet). Entry must be .1 through 99999.9. ### 11/29/94)

B13 - Endangered Species.
ASSIGNED TECHNICIAN enters for practices coded CP, SIP7, SIP8, WQP1, WP7, WR1, and WR2, one of the following codes:

Code "1", "Plant" is applicable if the practice is expected to protect or enhance the habitat for plant species listed under the Endangered Species Act.

Code "2", "Animal", is applicable if the practice is expected to protect or enhance the habitat for animal species listed under the Endangered Species Act.

Code "3", "Both" is applicable if the practice is expected to protect or enhance the habitat for both plant and animal species listed under the Endangered Species Act.

Code "0", "None" is applicable in those cases where there is no impact expected to threatened or endangered species.

B14 - Hydrologic Unit. ASSIGNED TECHNICIAN enter the 8 to 14 numeric hydrologic unit code for the area where the practice is to be established. If the practice falls on 2 or more hydrologic unit areas, enter the code for the area where the majority of the practice will be completed. If the State does not have hydrologic unit codes, leave this block blank. Required for CP practices, WR1, WR2 and WQP1 only.

FOR ASCS PRACTICE CODE WITH PREFIX FP OR SF ONLY. Units applied for primary technical practice codes (01-18) shall not exceed the total acres covered by the FMP. Units applied for secondary technical practice codes (19-26) shall not exceed the units

applied for primary technical practice codes (01-18). See Appendix H for the valid technical practice codes for each practice.

NOTES FOR SECTIONS C, D, E, F, AND G. The primary purpose section will be completed for each data sheet. If assigned technical responsibility, SCS shall complete ONLY Sections C, D, E, F, or G as applicable. FS must complete Section F for ASCS practice code (block B3) with prefix FP, SF, or FR. Section C, D, E, F, or G may be completed even if not designated as primary purpose but, if completed, must meet validity checks.

FOR PRACTICE CODES WITH PREFIX SIP ONLY. The primary purpose codes for SIP2 and SIP3 is F. The primary purpose codes for SIP1, and SIP4 through SIP9 is G.

Section F must be completed for all SIP practices except SIP1.

If "999" is entered for the Site Index, the additional Wood Production data in Section F should not be completed.

If the primary purpose is G:

Codes 1, 6, J, K, L, M, or N must be entered.

"J" is the only valid code for SIP1.

Section F, Wood Production, must also be completed unless "999" is entered for the Site Index.

Section C, Erosion Control, must also be completed for practice SIP5.

SECTION C - EROSION CONTROL

The purpose of this section is to identify the type, amount, and extent of erosion "Before" and "After" assistance. All entries in this section should be taken from the case file or other records maintained by the field office. The SCS Field Office Technical Guide for predicting erosion losses must be used. All erosion estimates should be rounded to the nearest whole ton. If erosion is less than 1 ton, enter "1".

NOTE: Second, third and subsequent year applications of annual practices shall show the "After" soil loss determination of the first year in the "Before" soil loss of the second year.

Additional technical practices applied in second year may reduce the "After" soil loss, otherwise the "Before" and "After" will be the same in second and subsequent years. The first year soil loss rates are used to establish cost-share eligibility in subsequent years. For example, SL15 may be approved for the second and third year based on the first year soil loss rates, but the second and third year AD-862's will usually show little or no soil savings.

C1a and C1b - Sheet and Rill Erosion "Before" and "After".

ASSIGNED TECHNICIAN enters in whole numbers the sheet and rill erosion rate estimate in tons per acre per year for the acres reported in block C1c before the practice is applied and after the practice application. The erosion "After" should be less than the erosion "Before". Entry for the "Before" must be 1 through 999.

Entry for the "After" must be 1 through 99. DO NOT include gully erosion in the estimate since it is to be entered separately in block C3.

C1c - Sheet and Rill Erosion Acres. ASSIGNED TECHNICIAN enters acres on which the erosion is reduced as a result of the application. Acres may be entered to the nearest tenth. The "Before" and "After" erosion rates in blocks C1a and C1b should be the erosion rates for the acres reported in block C1c. Entry must be .1 through 9999.9.

C2a and C2b - Wind Erosion "Before" and "After". ASSIGNED TECHNICIAN enters in whole numbers the estimated wind erosion rate in tons per acre per year for the acres reported in block C2c before the practice is applied and after practice application. The erosion "After" should be less than the erosion "Before".

Entry for the "Before" must be 1 through 999. Entry for the "After" must be 1 through 99.

C2c - Wind Erosion Acres. ASSIGNED TECHNICIAN enters acres on which the erosion is reduced as a result of the practice application. Acres may be entered to the nearest tenth. The "Before" and "After" erosion rates in blocks C1a and C1b the erosion rates for the acres reported in block C2c. The entry must be .1 through 9999.9.

C3a - Other Erosion Problem Type. ASSIGNED TECHNICIAN enters one of the following codes to show the type of problem. If there is no "other erosion" present, leave blocks C3a, C3b, C3c, and C3d blank.

CODE	PROBLEM TYPE
1	Streambank and shoreline erosion
2	Gully erosion including concentrated flow
3	Irrigation erosion
4	Other, includes construction sites, landslides, etc.

C3b and C3c - Other Erosion "Before" and "After". ASSIGNED TECHNICIAN enters in whole numbers the amount of estimated erosion in total tons per year for both before and after situation for the

problem identified in section C3a. Entry for the "Before" must be 1 through 99999. Entry for the "After" must be 0 through 9999.

C3d - Other Erosion Acres Affected. ASSIGNED TECHNICIAN enters acres on which the erosion is reduced as a result of the practice application. Acres may be entered to the nearest tenth. Use actual acres of gullied area. DO NOT prorate or give area of entire field even for ephemeral gullies. Enter actual gullied acres. Entry must be .1 through 9999.9.

NO ENTRY SHALL BE MADE for sheet and rill erosion or wind erosion unless the erosion rate is greater then "T". If sheet and rill erosion or wind erosion is greater than "T", add a statement in the "Remarks Section" indicating additional practices needed to control the sheet and rill or wind erosion problem.

C4a and C4b - Range Condition Code "Before" and "After". ASSIGNED TECHNICIAN enters one of the following codes to indicate the range condition of the area before the practice is applied and for the anticipated condition after the practice is applied. Range condition will be expressed as either the percent climax vegetation or, on annual rangeland, the percent of desired vegetation. Range condition code "Before" should be greater than the range condition code "After", unless the code is 5.

CODE	RANGELAND RATING AND PERCENT CLIMAX SPECIES
1	Excellent (76 through 100% climax species)
2	Good (51 through 75% climax species)
3	Fair (26 through 50% climax species)
4	Poor (0 through 25% climax species)
5	Not applicable (Seeded to introduce species, etc.)

C4c and C4d - Rangeland Trend Condition "Before" and "After".

ASSIGNED TECHNICIAN enters one of the following codes to show the apparent trend in rangeland condition for the area before the practice is applied and for the anticipated trend in rangeland condition after the practice is applied. Refer to Section 307 of the SCS National Range Handbook. Rangeland trend code "Before" should be greater than rangeland trend code "After", unless the code is 4.

CODE	TREND
1	Up (Soil and/or vegetation improving)
2	Even (Not readily apparent or minimal change)
3	Down (Soil and/or vegetation deteriorating)
4	Not applicable (Seeded to introduced species,

etc.)

SECTION D - WATER CONSERVATION

D1a - Irrigation Situation. ASSIGNED TECHNICIAN enters one of the following codes to indicate the predominant type of irrigation system existing before practice application.

CODE	SITUATION
1	Ground Water - Pressurized
2	Ground Water - Gravity Flow
3	Surface Water - Pressurized
4	Surface Water - Gravity Flow

D1b - Water Applied "Before" and "After". ASSIGNED TECHNICIAN enters the gross volume of water delivered into the irrigation system. Record in whole numbers the acre-inches of water delivered per acre per year to the farm conveyance system "Before" and "After" assistance. The amount recorded in the "Before" water delivered to field = 292.4 acre-ft. and water recovered for reuse = 0, then "Before" water delivered = 292.4 - 0 = 292.4 acre-ft.

"Before" and "After" columns is the annual acre-inches of water introduced into the farm conveyance system at the supply source or sources less the annual acre-inches of water recovered for another useful purpose. The water applied "After" should be less than the water applied "Before". Use the following example as a guide:

If practice 449 (Irrigation Water Management) is applied to 43 acres (recorded in block B12c), then block D1b, "Before" acre-in./acre/yr. = 292.4 acre-ft. divided by 43 = 6.8, and 6.8 x 12 in. = 81.6 rounded to 82 acre-in./acre/yr. If "after" water delivered to field = 287.3 acre-ft. and water recovered for reuse = 25 acre-ft. then block D1b, "After" acre-in./acre/yr. = 287.3 - 25 divided by 43 = 6.1 x 12 = 73.2 rounded to 73 acre-in./acre/yr.

Entry for the "Before" and "After" must be from 1 through 999.

D1c - System Efficiency (%) "Before" and "After". ASSIGNED TECHNICIAN enters in whole numbers "Before" and "After" water use efficiency. Entry must be 1 through 99. In the "Before" block record the percent efficiency computed by dividing the acre-inches per acre oif irrigation water beneficially used by the acre-inches per acre of irrigation water applied (block D1b). Follow the same procedure for the "After" condition and record in D1c. Use a two-digit number with no decimals. The efficiency "After" should be greater than the efficiency "Before". Use the following example as a guide (based on Water Applied and Water Consumed Calculations):

Calculation for System Efficiency

Block D1c "Before" = 36 (irrigation water beneficially used) divided by 82 (water applied "Before") x 100 = 44 percent.

Block D1c "After" = 42 (irrigation water beneficially used "After") divided by 73 (water applied "After") x 100 = 58 percent.

Calculation for Irrigation Water Beneficially Used
Record the "Before" and "After" acre-inches of irrigation water beneficially used per acre per year by the existing crop. Do not include deep percolation, runoff, recovery for reuse and that portion of rainfall which is effective. In addition to consumptive use include water used for salt leaching, frost protection, crop cooling, pesticide or fertilizer application and water used to clean a trickle irrigation system.

The net irrigation requirement is the consumptive use minus effective rainfall plus water used for salt-leaching, frost protection, crop cooling, pesticide or fertilizer application, and water used to clean trickle irrigation system.

Crop consumptive use information for each crop is found in the SCS irrigation guide for the resource area or is computed by using SCS Technical Release 21 procedure or other appropriate procedure adopted by the State.

Crop consumptive use is the total amount of water taken up by vegetation for transpiration or building of plant tissue, plus the unavoidable evaporation of soil moisture, snow, and intercepted precipitation associated with vegetal growth. In water-short areas the crop consumptive use figure should be reduced because a full supply of water is not provided to the crop.

SCS Technical Release 21 provides a procedure for determining effective rainfall.

Use the following example as a guide:

Consumptive use for alfalfa = 3.6 acre-ft./acre/yr.

Effective rainfall = 0.4 acre-ft./acre/yr.

Leaching requirement = 0.3 acre-ft./acre/yr.

This is a water-short area and consumptive use can not be met, water shortage = 0.5 acre-ft./acre/yr. Then 3.6 - 0.4 + 0.3 - 0.5 = 3.0 acre-ft./acre/yr., or 3.0 x 12 = 36 acre-in./acre/yr.

Water shortage is made up through irrigation water management. Then 3.6 - 0.4 + 0.3 = 3.5 acre-ft./acre/yr., or 3.5 x 12 = 42 acre-in./acre/yr.

D1d - Water Conservation Acres. ASSIGNED TECHNICIAN enters acres affected by the water conservation measure applied. Acres may be entered to the nearest tenth. Entry must be from .1 through 9999.9.

D2a - Increased Water Storage - Primary Use. This includes increasing water storage through construction of impoundment, dugouts, or pits. ASSIGNED TECHNICIAN enters one of the following codes for the primary use:

CODE	USE
1	Livestock
2	Wildlife
3	Irrigation
4	Other

D2b - Increased Water Storage Capacity "Before" and "After".

ASSIGNED TECHNICIAN enters the storage capacity in acre-inches in whole numbers for the "Before" and "After" situations. This includes increasing water storage through construction of impoundments, dugouts, or pits. Entry for "Before" must be 0-99999. Entry for "After" must be from 1-99999. A warning is issued if capacity "Before" or "After" exceeds 1000 acre-inches/acre/yr. The capacity "After" should be greater than the capacity "Before".

D3 - Soil Moisture Measures. ASSIGNED TECHNICIAN enters (Y)es if soil moisture measures are planned or applied. This includes moisture conservation practices that are designed to store moisture for crop production. Moisture conservation practices include such practices as conservation tillage and chemical fallow, or structural measures such as water spreading or level terraces.

Practices applied on rangeland and pastureland are included.

SECTION E - WATER QUALITY

E1 - Problem Type. ASSIGNED TECHNICIAN enters one of the following codes to identify the type of water quality problem:

CODE	TYPE OF PROBLEM
1	Sediment
2	Animal waste
3	Nutrients (Inorganic)
4	Pesticides/Toxics
5	Salinity
6	Other

(###

NOTE: If code 1 is entered, complete section C1 through C3, as applicable and ensure that land is eroding at greater than "T". Exception: Rangeland with an average annual precipitation of 25 inches or less. See 1-ACP

(Rev. 3), paragraph 321. ### 11/29/94)

If program code is CRSC and primary purpose is water quality, section D1 must also be completed.

E2 - Type of Water Body Treated/Protected. ASSIGNED TECHNICIAN enters one of the following codes to identify the type of water body treated/protected:

CODE	TYPE OF WATER BODY
1	River, stream, or creek - perennial flowing freshwater streams.
2	Lake, reservoir, or pond - inland bodies of water including great lakes.
3	Wetland, swamp, prairie pothole or freshwater marshlands that has a predominance of hydric soils and that is inundated or saturated by surface or groundwater such that under normal circumstances it supports a prevalence of hydrophytic vegetation typically adapted for life in saturated soil conditions.
4	Estuary, bay or tidal marsh - Regions of interaction between rivers (and other inland water bodies) and near-shore ocean waters, where tidal action and river flow create a mixing of fresh and salt water.
5	Groundwater (area) - The surface area that feeds an aquifer or other groundwater basin.

E3 - Severity of Pollution. Water pollution as defined in the Clean Water Act (Public Law 92-500) "means the man-made or man-induced alteration of the chemical, physical, biological, and radiological integrity of water". A water pollution problem occurs when there is an unfavorable condition in the receiving waters which affects a designated use of water. Some of the more common designated uses are for domestic use, fish and wildlife, industry, irrigation, livestock, and recreation. If any of these uses are impaired, there is a water quality problem . Water quality is not easy to define. The desired level of water quality depends upon how the water will be used. ASSIGNED TECHNICIAN shall use the following codes to indicate the severity of the pollution:

CODE	SEVERITY OF POLLUTION
1	Designated use impaired - Designated use is precluded (hindered or prevented) because of water pollution.
2	Designated use threatened - Currently meets designated uses, but data or assessment information indicates an existing or potential downward trend in quality that, in the absence of additional management, will lead to impairment of designated uses within the next five years, or based on professional judgment, will lead to

	degradation of significant pristine and fragile waters.
3	Impairment not determined - Condition unknown, no data available.
4	Designated use met - No impairment of designated use.

SECTION F - WOOD PRODUCTION

F1a - Site Index. ASSIGNED TECHNICIAN enters the site index of indicator tree species for the dominant soil. Entry must be from 1 through 499. For SIP only, Code can be "999". If "999" is entered, all other Wood Production data can be left blank. "999" represents that no trees were planted or improved by this practice.

F1b - Potential Production. ASSIGNED TECHNICIAN enters one of the following codes to show the potential production in cubic feet per acre per year:

CODE	POTENTIAL PRODUCTION IN CUBIC FEET/ACRE/YEAR		
1	1-49	4	120-164
2	50-85	5	165-200
3	86-119	6	201 and over

F2a - Forest Cover "Before" and "After". ASSIGNED TECHNICIAN enters one of the forest cover type codes from Appendix I, to show the situation before the practice is applied and the situation after the practice is applied. If the land is not stocked before planting, enter the forest cover type that most likely would have been present if the land were stocked.

F2b - Stocking Level "Before" and "After". ASSIGNED TECHNICIAN enters in whole numbers for both the "Before" and "After" situation, the square feet of basal area per acre from 1-450 for stands with an average DBH if 5 inches or greater. If the basal area is unknown or the average DBH is less than 5 inches enter one of the following codes. If replanting previously cost-shared FP1 or FR1 practice, use code 800 or 801 in the "Before" block only.

CODE	LEVEL
800	Replant - Nonstocked
801	Replant - Understocked
900	Understocked
901	Properly stocked
902	Overstocked

999	Nonstocked

F3a - Site Preparation Acres. ASSIGNED TECHNICIAN enters for Program Practice No. FP1, FR1 or SIP2 (block B3). Leave blank if primary component code is 01. Enter the estimated acres of site-preparation at needs determination and then change to the actual acres completed by the landowner at final performance for the FP1, FR1 or SIP2 practice. Acres may be entered to the nearest tenth. Entry must be from .1 through 5000.0.

NOTE: Site preparation acres cannot be greater than the sum of the units applied for the primary technical practices (block 12C) or the practice extent (Block B8).

F3b - Site Preparation Cost-Share. ASCS enters for Program Practice No. FP1, FR1 or SIP2 (block B3). Leave blank if primary technical practice code is 01. Enter in whole numbers the estimated total cost-shares to be paid the landowner at needs determination and then change to the actual amount paid for the site-preparation work at final performance for the FP1, FR1 or SIP2 practice. Entry must be 1 through 99999.

NOTE: Site preparation cost-share cannot be greater than the cost-share earned (Block H2).

F4 - Trees Per Acre. For SIP only, the assigned technician enters in whole numbers, the number of trees per acre planted or number of residual crop trees maintained or improved. Entry must be 1 through 9999.

SECTION G - OTHER ASSISTANCE

ASSIGNED TECHNICIAN shall enter one of the following codes to show the primary purpose for which the practice is applied:

CODE	PURPOSE
1	Wildlife habitat
2	Energy Conservation
3	Ground water pollution abatement
4	Ground water recharge
5	Rehabilitation of disaster damaged land
6	Recreation improvement
7	Flood control
8	Other
J	Landowner forest stewardship plan development

K Windbreak and hedgerow establishment, maintenance and renovation

L Soil and water protection and improvement

M Riparian and wetland protection and improvement

N Fisheries habitat enhancement

NOTE: Codes J through N shall be used for SIP practices only. Codes 1 and 6 may be used for SIP.

SECTION H - ACTUAL COST AND PERFORMANCE DATA

H1 - Total Installation Cost. ASCS enters in whole dollars the actual total cost for the practice listed in block B 3. EXCEPTION - Do not include the costs of management practices including Conservation Tillage, Conservation Cropping System, Pasture and Hayland Management or other management practices for which accurate cost data are not available unless the practice receives financial assistance from any USDA program.

Base total cost on all submitted bills, canceled checks, paid receipts or other supporting data (including participants labor costs or other contributions). Include the amount of C/S paid, the portion paid by the farmer, plus any contributions or donated value except technical assistance. The total cost shall at least equal the amount of cost-shares paid. The amount of cost-shares paid usually should not exceed 75% of the total cost. DO NOT include operation and maintenance (O&M) costs. Entry must be from 1 through 99999. Note For SIP practices: Only the Assigned Technician (Service Forester) shall complete this block.

H2 - Cost-Share. ASCS enters in whole dollars the total C/S amount paid for the practice identified in block B 3. Must be greater than zero unless Practice Prefix = "BMP" or "SRP". Must be blank or zero if practices "CP10", "CP11" and "CP12". C/S should not be greater than the total cost of the practice or the payment limitation for the program times the number of participants. Note for SIP practices: Only the Assigned Technician (Service Forester) shall complete this block.

H3 - Date Performed. ASCS enters the performance date in six-character numeric format (MMDDYY). Enter the date the participant certified performance on ACP-245 or the date the technician reports performance on AD-862, WHICHEVER IS LATER.

Note for SIP practices: Only the Assigned Technician (Service Forester) shall complete this block and enter the date the technician reports performance.

SECTION I - PERFORMANCE REPORT

The ASSIGNED TECHNICIAN enters any information relevant to the practice performance. Where ASCS is the assigned technical

agency and accepts the producers certification of completion, indicate in this block that the producers certification is being accepted and no on farm visit was made.

SIGNATURE AND DATE BLOCKS

The ASSIGNED TECHNICIAN shall certify performance by signing and dating the AD-862.

APPENDIX G

CONSERVATION PRACTICES AND TECHNICAL PRACTICES
ELIGIBLE FOR COST-SHARE ASSISTANCE

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
BMP1	PERMANENT VEGETATIVE COVER		AC
	Fence		
	Conservation Crop Rotation	382	
	Pasture & Hayland Planting	328	
	Prescribed Grazing	512	
	Range Planting	528A	
		550	
BMP2	ANIMAL WASTE MANAGEMENT SYSTEM		AS NU
	Waste Management System		
	Waste Storage Facility	312	
	Critical Area Planting	313	
	Dike	342	
	Manure Transfer	356	
	Waste Treatment Lagoon	634	

	Diversion	359	
	Fence	362	
	Filter Strip	382	
	Grade Stabilization Structure	393	
	Grassed Waterway	410	
	Irrigation System/Sprinkler	412	
	Irrigation System/Surface & Subsurface	442	
	Pond Sealing or Lining	443	
	Pumping Plant for Water Control	521	
	Roof Runoff Management	533	
		558	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
BMP2 (cont=d)	ANIMAL WASTE MANAGEMENT SYSTEM		AS NU
	Heavy Use Area Protection		
	Structure for Water Control	561	
	Subsurface Drain	587 606	
	Surface Drainage-Field Ditch	607	
	Surface Drainage-Main or Lateral	608 620	
	Underground Outlet	633	

	Waste Utilization		
BMP3	STRIP CROPPING SYSTEMS Obstruction Removal Stripcropping/Contour Stripcropping/Field Stripcropping/Wind Subsurface Drain	 500 585 586 589 606	AC
BMP4	TERRACE SYSTEM Grassed Waterway Obstruction Removal Terrace Subsurface Drain Underground Outlet	 412 500 600 606 620	AS

	Descriptive Title	Tech	Extent

Practice Code		Practice Code	AS NU AC
BMP5	DIVERSION SYSTEM Dike Diversion Obstruction Removal Subsurface Drain Underground Outlet	 356 362 500 606 620	AS
BMP6	GRAZING LAND PROTECTION SYSTEM Pond Fence Pipeline Pond Sealing or Lining Spring Development Animal Trails & Walkways Trough or Tank Well	 378 382 516 521 574 575 614 642	AS NU
BMP7	WATERWAY SYSTEM Fence Grassed Waterway Lined Waterway or Outlet Structure for Water Control	 382 412 468	AS

	Subsurface Drain	587	
	Underground Outlet	606	
		620	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
BMP8	CROPLAND PROTECTIVE SYSTEM		AC
	Conservation Cropping Rotation		
	Cover & Green Manure Crop	328	
	Windbreak/Shelterbelt Establishment	340	
		380	
BMP9	CONSERVATION TILLAGE SYSTEMS		AC
	Conservation Cropping Rotation		
	Residue Management	328	
	Contour Farming	329	
	Residue Management, Seasonal	330	
	Land Smoothing	344	

		466	
BMP10	STREAM PROTECTION SYSTEM Channel Vegetation Fence Filter Strip Animal Trails & Walkways Streambank & Shoreline Protection Surface Drainage-Main or Lateral Tree/Shrub Establishment	 322 382 393 575 580 608 612	AS

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
BMP11	PERMANENT VEGETATIVE COVER ON CRITICAL AREAS Critical Area Planting Fence Field Borders Filter Strip Use Exclusion Mulching Spoil Spreading Tree/Shrub Establishment	 342 382 386 393 472 484 572 612	AS

BMP12			AS NU
	SEDIMENT RETENTION, EROSION OR WATER CONTROL STRUCTURES		
	Sediment Basin	350	
	Dike	356	
	Fence	382	
	Grade Stabilization Structure	410	
	Pumping Plant for Water Control	533	
	Structure for Water Control	587	
	Water & Sediment Control Basin	638	
	Heavy Use Area Protection	561	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
BMP13	IMPROVING AN IRRIGATION AND/OR		AS
	WATER MANAGEMENT SYSTEM		
	Irrigation Water Conveyance/Ditch & Canal Lining		
	Irrigation Water Conveyance/Pipeline	428	
	Irrigation System/Trickle (Drip)	430	
	Irrigation System/Sprinkler	441	
	Irrigation System/Surface & Subsurface	442	
	Irrigation System/Tailwater Recovery	443	
	Irrigation Water Management	447	
	Irrigation Land Leveling	449	

	Pumping Plant for Water Control Structure for Water Control	464 533 587	
BMP14	TREE PLANTING Cover & Green Manure Crop Fence Prescribed Grazing Tree/Shrub Establishment	 340 382 528 612	AC
BMP15	FERTILIZER MANAGEMENT Nutrient Management Waste Utilization	 590 633	AS
BMP16	PESTICIDE MANAGEMENT Pest Management	 595	AS
Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
BMP17	WOODLAND & ACCESS ROAD STABILIZATION Woodland Access Road Stabilization	 170	AS
BMP18	WATER QUALITY IMPROVEMENT THROUGH		AC

	WOODLAND IMPROVEMENT Water Quality Improvement Through Woodland Improvement	180	
EC1	REMOVING DEBRIS FROM FARMLAND Obstruction Removal	500	AS
EC2	GRADING, SHAPING, LEVELING OR SIMILAR MEASURES Critical Area Planting Irrigation Land Leveling Land Smoothing Mulching Pasture & Hayland Planting	342 464 466 484 512	AS
EC3	RESTORING PERMANENT FENCES Fence	382	AS
Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
EC4	RESTORING STRUCTURES & OTHER INSTALLATIONS Waste Storage Facility		AS

	Irrigation Canal or Lateral	313	
	Critical Area Planting	320	
	Dam/Diversion	342	
	Dam/Multiple-Purpose	348	
	Sediment Basin	349	
	Waste Treatment Lagoon	350	
	Diversion	359	
	Pond	362 378	
	Irrigation Field Ditch	388	
	Dam/Floodwater Retarding	402	
	Grade Stabilization Structure	410	
	Grassed Waterway	412	
	Hillside Ditch	423	
	Irrigation Water Conveyance/Ditch & Canal Lining	428	
	Irrigation Water Conveyance/Pipeline	430	
	Irrigation Storage Reservoir	436	
	Irrigation System/Trickle	441	
	Irrigation System/Sprinkler	442	
	Irrigation System/Surface & Subsurface	443	
	Irrigation System/Tailwater Recovery	447	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
EC4	RESTORING STRUCTURES & OTHER		AS

(Cont=d)	INSTALLATIONS		
	Lined Waterway or Outlet		
	Mulching	468	
	Pipeline	484	
	Pond Sealing or Lining	516	
	Pumped Well Drain	521	
	Irrigation Pit or Regulating Reservoir	532	
	Rock Barrier	552	
	Spring Development	555	
	Structure for Water Control	574	
	Terrace	587	
	Subsurface Drain	600	
	Surface Drainage/Field Ditch	606	
	Trough or Tank	607	
	Underground Outlet	614	
	Vertical Drain	620	
	Water Harvesting Catchment	630	
	Water & Sediment Control Basin	636	
	Well	638	
	Wildlife Watering Facility	642	
	Windbreak/Shelterbelt Renovation	648	
		650	
EC5	EMERGENCY WIND EROSION CONTROL MEASURES		AS

	Surface Roughening	609	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
EC6	DROUGHT EMERGENCY MEASURES		AS
	Pond		
	Grade Stabilization Structure	378	
	Irrigation Water Conveyance/Pipeline	410	
	Pipeline	430	
	Pond Sealing & Lining	516	
	Irrigation Pit or Regulating Reservoir	521	
	Spring Development	552	
	Animal Trails & Walkways	574	
	Trough & Tank	575	
	Well	614	
		642	
EC7	OTHER EMERGENCY CONSERVATION		AS
	MEASURES		
	Other Emergency Measures		
		951	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC

FP1	PLANTING TREES		AC
	Bareland Planting or Planting w/o Site Preparation		
	Light Site Preparation & Planting	01	
	Medium Site Preparation & Planting	02	
	Heavy Site Preparation & Planting	03	
	Light Site Preparation/Direct Seeding	04	
	Medium Site Preparation/Direct Seeding	08	
	Heavy Site Preparation/Direct Seeding	09	
	Release	10	
	Special Component	13	
	Tree Shelters	17	
	* * *	36	
	Grapevine Removal	19	
	Erosion Control Measures	20	
	Wildlife Modification	21	
	Recreation Modification	22	
	Range Improvement Modification	23	
	Aesthetic Quality Protection, Enhancement, or	24	
	Restoration	25	
	Threatened & Endangered Species Habitat	26	
	Modification		
	Modification for Stream Zones		

Practice Code	Descriptive Title	Tech Practice	Extent AS NU AC

		Code	
FP2	IMPROVING A STAND OF FOREST TREES		AC
	Thinning		
	Cull Tree Removal	11	
	Release	12	
	Pruning	13	
	Thinning & Pruning	14	
	Special Component	15	
	* * *	17	
	Grapevine Removal	19	
	Erosion Control Measures	20	
	Wildlife Modification	21	
	Recreation Modification	22	
	Range Improvement Modification	23	
	Aesthetic Quality Protection, Enhancement, or	24	
	Restoration	25	
	Threatened & Endangered Species Habitat	26	
	Modification		
	Modification for Stream Zones		
FP3	SITE PREPARATION FOR NATURAL		AC
	REGENERATION		
	Light Site Preparation/Natural Regeneration		
	Medium Site Preparation/Natural Regeneration	05	
	Heavy Site Preparation/Natural Regeneration	06	

		07	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
FP3	SITE PREPARATION FOR NATURAL REGENERATION Special Component * * *	 17	AC
	Grapevine Removal	19	
	Erosion Control Measures	20	
	Wildlife Modification	21	
	Recreation Modification	22	
	Range Improvement Modification	23	
	Aesthetic Quality Protection, Enhancement, or Restoration	24 25	
	Threatened & Endangered Species Habitat Modification	26	
	Modification for Stream Zones		
FR1	FOREST TREE PLANTATIONS		
	Bareland Planting or Planting w/o Site Preparation		AC
	Light Site Preparation & Planting	01	
	Medium Site Preparation & Planting	02	
	Heavy Site Preparation & Planting	03	
	Light Site Preparation/Direct Seeding	04	

	Medium Site Preparation/Direct Seeding	08	
	Heavy Site Preparation/Direct Seeding	09	
	Release	10	
	Special Component	13	
	* * *	17	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
FR1 (cont=d)	FOREST TREE PLANTATIONS		AC
	Grapevine Removal		
	Erosion Control Measures	19	
	Wildlife Modification	20	
	Recreation Modification	21	
	Range Improvement Modification	22	
	Aesthetic Quality Protection, Enhancement, or	23	
	Restoration	24	
	Threatened & Endangered Species Habitat	25	
	Modification	26	
	Modification for Stream Zones	36	
	Tree Shelters		
FR2	FOREST TREE STAND IMPROVEMENT		AC
	Thinning		
	Cull Tree Removal	11	
	Release	12	

	Pruning	13	
	Thinning & Pruning	14	
	Special Component	15	
	* * *	17	
	Grapevine Removal	19	
	Erosion Control Measures	20	
	Wildlife Modification	21	
	Recreation Modification	22	
	Range Improvement Modification	23	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
FR2 (cont=d)	FOREST TREE STAND IMPROVEMENT		AC
	Aesthetic Quality Protection, Enhancement, or Restoration	24	
	Threatened & Endangered Species Habitat Modification	25	
	Modification for Stream Zones	26	
FR3	SITE PREPARATION FOR NATURAL REGENERATION		AC
	Light Site Preparation/Natural Regeneration		
	Medium Site Preparation/Natural Regeneration	05	
	Heavy Site Preparation/Natural Regeneration	06	
	Special Component	07	

	* * * Grapevine Removal Erosion Control Measures Wildlife Modification Recreation Modification Range Improvement Modification Aesthetic Quality Protection, Enhancement, or Restoration Threatened & Endangered Species Habitat Modification Modification for Stream Zones	17 19 20 21 22 23 24 25 26	
SF	SPECIAL FORESTRY PRACTICES ** There are no approved SF practices **		AC

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
MYCS1	ESTABLISHING PERENNIAL COVER ON ACR Residue Management Pasture & Hayland Planting	 329 512	AC
SIP1	LANDOWNER FOREST STEWARDSHIP PLAN DEVELOPMENT Landowner Forest Stewardship Plan Development Revision of Landowner Forest Stewardship Plan	 30	AC

		51	
SIP2	REFORESTATION & AFFORESTATION		AC
	Bareland Planting or Planting w/o Site Preparation		
	Light Site Preparation & Planting	01	
	Medium Site Preparation & Planting	02	
	Heavy Site Preparation & Planting	03	
	Light Site Preparation/Natural Regeneration	04	
	Medium Site Preparation/Natural Regeneration	05	
	Heavy Site Preparation/Natural Regeneration	06	
	Light Site Preparation/Direct Seeding	07	
	Medium Site Preparation/Direct Seeding	08	
	Heavy Site Preparation/Direct Seeding	09	
	Animal Repellents	10	
	Control on Competitive & Other Undesirable	32	
	Species	33	
	Tree Shelters	36	
	Fencing	40	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SIP2 (cont=d)	REFORESTATION & AFFORESTATION		
	Mulching		
	Nutrient Management	41	
	Prescribed Burning	42	

		338	
SIP3	FOREST & AGROFOREST IMPROVEMENT Animal Repellents Clearing of Forest Access Roads Control on Competitive & Other Undesirable Species Designation of Storm Damaged Trees for Removal Fencing Firebreak Fire Hazard Reduction Forest Stand Improvement Mulching Nutrient Management Prescribed Burning Release of Planted Woodlands Tree Shelters Tree/Shrub Pruning Use Exclusion	 32 44 33 35 45 41 394 666 40 42 338 46 36 660 472	AC
SIP4	AGROFORESTRY ESTABLISHMENT, MAINTENANCE, & RENOVATION Animal Repellents Control on Competitive & Other Undesirable Species Multi-Cropping Systems	 32 33 34	AS

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SIP4 (cont=d)	AGROFORESTRY ESTABLISHMENT, MAINTENANCE, & RENOVATION		AS
	Tree Shelters		
	Conservation Tree Renovation	36	
	Fencing	37	
	Mulching	40	
	Nutrient Management	41	
	Conservation Cropping System	42	
	Windbreak/Shelterbelt Establishment	328	
	Hedgerow Planting	380	
	Irrigation System/Trickle (Drip)	422	
	Windbreak/Shelterbelt Renovation	441	
		650	
SIP5	SOIL & WATER PROTECTION & IMPROVEMENT		AC
	Animal Repellents		
	Clearing of Debris from Ditches and Culverts	32	
	Construction of Forest Access Corridors	48	
	Control on Competitive & Other Undesirable	47	
	Species	33	
	Fencing	40	

	Mulching	41	
	Nutrient Management	42	
	Nutrient Management	590	
	Tree Shelters	36	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SIP6	RIPARIAN & WETLAND PROTECTION & IMPROVEMENT		AC
	Animal Repellents		
	Clearing of Debris from Streams	32	
	Control on Competitive & Other Undesirable	49	
	Species	33	
	Fencing	40	
	Forest Wetland Restoration	31	
	Mulching	41	
	Nutrient Management	42	
	Riparian Forest Buffer	29	
	Riparian Forest Buffer	391	
	Streambank & Shoreline Protection	43	
	Tree Shelters	36	
SIP7	FISHERIES HABITAT ENHANCEMENT		AC
	Threatened & Endangered Species Habitat Modification		

	Fencing Fish Stream Improvement	25 40 395	
SIP8	WILDLIFE HABITAT ENHANCEMENT Threatened & Endangered Species Habitat Modification Threatened & Endangered Species Planting Animal Repellents Control on Competitive & Other Undesirable Species Tree Shelters Wildlife Structures	 25 27 32 33 36 38	AC

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SIP8 (cont=d)	WILDLIFE HABITAT ENHANCEMENT Brush Management Fencing Mulching Nutrient Management Prescribed Burning Spring Development Wildlife Wetland Habitat Management Wildlife Upland Habitat Management	 39 40 41 42 338 574 644	AC

	Wildlife Watering Facility	645 648	
SIP9	FOREST RECREATION ENHANCEMENT Clearing of Forest Recreation Trails Cultural Resource Site Protection Fencing Mulching Recreation Area Improvement Recreation Trail & Walkway	 50 28 40 41 562 568	AC
SL1	PERMANENT VEGETATIVE COVER ESTABLISHMENT Residue Management Cover & Green Manure Crop (Orchards & Vineyards Only) Field Borders Filter Strip Pasture & Hayland Planting Range Planting	 329 340 386 393 512 550	AC
Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SL2	PERMANENT VEGETATIVE COVER IMPROVEMENT		AC

	Brush Management		
	Residue Management	314	
	Fence	329	
	Firebreak	382	
	Forage Harvest Management	394	
	Pasture & Hayland Planting	511	
	Range Planting	512	
		550	
SL3	STRIPCROPPING SYSTEMS		AC
	Obstruction Removal		
	Stripcropping/Contour	500	
	Stripcropping/Field	585	
	Stripcropping/Wind	586	
	Subsurface Drain	589	
		606	
SL4	TERRACE SYSTEMS		AS
	Critical Area Planting		
	Grade Stabilization Structure	342	
	Grassed Waterway	410	
	Hillside Ditches	412	
	Lined Waterway Outlet	423	
		468	
Practice Code	Descriptive Title	Tech Practice	Extent AS NU AC

		Code	
SL4 (cont=d)	TERRACE SYSTEMS Obstruction Removal Terrace Subsurface Drain Underground Outlet Vertical Drain Water & Sediment Control Basin	 500 600 606 620 630 638	AS
SL5	DIVERSIONS Critical Area Planting Dike Diversion Grassed Waterway Lined Waterway or Outlet Obstruction Removal Pipeline Subsurface Drain Underground Outlet Vertical Drain	 342 356 362 412 468 500 516 606 620 630	AS
SL6	GRAZING LAND PROTECTION Critical Area Planting Pond	 342	AC

	Fence	378	
	Pipeline	382	
	Pond Sealing or Lining	516	
		521	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SL6 (cont=d)	GRAZING LAND PROTECTION		AC
	Spring Development		
	Animal Trails & Walkways	574	
	Trough or Tank	575	
	Water-Harvesting Catchment	614	
	Well	636	
		642	
SL7	FIELD WINDBREAK RESTORATION OR		AS
	ESTABLISHMENT		
	Tree Shelters		
	Fence	36	
	Windbreak/Shelterbelt Establishment	382	
	Irrigation System/Trickle (Drip)	380	
	Irrigation System/Sprinkler	441	
	Irrigation System/Surface & Subsurface	442	
	Mulching	443	
	Well	484	

	Windbreak/Shelterbelt Renovation	642 650	
SL9	FARMSTEAD & FEEDLOT WINDBREAK Tree Shelters Windbreak/Shelterbelt Establishment Fence Irrigation System/Trickle Irrigation System/Sprinkler	 36 380 382 441 442	AS

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SL9 (cont=d)	FARMSTEAD & FEEDLOT WINDBREAK Irrigation System/Surface & Subsurface Mulching Windbreak/Shelterbelt Renovation	 443 484 650	AS
SL11	PERMANENT VEGETATIVE COVER ON CRITICAL AREAS		AS

	Cover & Green Manure Crop Critical Area Planting Fence Field Border Filter Strip Mulching Streambank & Shoreline Protection Tree/Shrub Establishment	 340 342 382 386 393 484 580 612	
SL12	VEGETATIVE ROW BARRIERS Stripcropping/Field Stripcropping/Wind	 586 589	AS
SL13	CONTOUR FARMING Contour Farming Obstruction Removal Subsurface Drain	 330 500 606	AC

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SL14	REDUCED TILLAGE SYSTEMS Residue Management Residue Management, Seasonal	 329	AC

		344	
SL15	NO-TILL SYSTEMS Residue Management Residue Management, Seasonal	 329 344	AC
SP1	PLUGGING ARTESIAN WELLS Plugging Artesian Wells	 957	NU
SP10	STREAMBANK STABILIZATION Critical Area Planting Use Exclusion Mulching Streambank & Shoreline Protection Tree/Shrub Establishment Fish Stream Improvement	 342 472 484 580 612 395	AS
SP22	ESTABLISHING OR MAINTAINING VEGETATIVE COVER ON CROPLAND Conservation Crop Rotation Pasture & Hayland Planting Range Planting	 328 512 550	AC

Practice Code	Descriptive Title	Tech Practice	Extent AS NU

		Code	AC
SP24	RAISING CLOD-FORMING SUBSOIL (SANDY) CROPLAND TO PREVENT BLOWING Chiseling & Subsoiling Surface Roughening	 324 609	AC
SP25	SUBSOILING Chiseling & Subsoiling	 324	AC
SP31	INTERIM WILDLIFE FOOD & COVER Critical Area Planting Wildlife Upland Habitat Management	 342 645	AS
SP32	RESTORATION OF SALT DAMAGED SOIL Critical Area Planting Toxic Salt Reduction	 342 610	AC
SP35	WATER MANAGEMENT SYSTEMS FOR POLLUTION CONTROL Conservation Crop Rotation Land Smoothing Structure for Water Control Subsurface Drain Surface Drainage/Field Ditch	 328 466 587 606	AS

	Surface Drainage/Main or Lateral	607 608	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SP35 (cont=d)	WATER MANAGEMENT SYSTEMS FOR POLLUTION CONTROL Toxic Salt Reduction Underground Outlet	 610 620	AS
SP40	EROSION CONTROL IN A CROP MANAGEMENT SYSTEM Conservation Crop Rotation Residue Management, Seasonal Cover & Green Manure Crops	 328 344 340	AC
SP42	LONG TERM PERMANENT COVER ON HILLSIDES Critical Area Planting Pasture & Hayland Planting Subsurface Drain Underground Outlet	 342 512 606 620	AS
SP43	FOREST LAND MANAGEMENT ROADS		AS

	Critical Area Planting Access Road	342 560	
SP44	STAND ANALYSIS FOR FOREST MANAGEMENT PLANNING Stand Analysis for Forest Management Planning	962	AC

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SP45	LAND SMOOTHING FOR SALINITY CONTROL Precision Land Forming Land Smoothing Toxic Salt Reduction	462 466 610	AC
SP46	AQUACULTURE WASTE CONTROL FACILITY Waste Management System Waste Storage Facility Dam/Multiple-Purpose Water & Sediment Control Basin	312 313 349 638	NU
SP49	SLOT MULCHING Mulching	484	AS

SP52	STRAW MULCHING FOR FURROW IRRIGATION Mulching	484	AC
SP53	INTEGRATED CROP MANAGEMENT Integrated Crop Management Nutrient Management Pest Management	97 590 595	AC

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SP54	RICE LAND WATER QUALITY IMPROVEMENT Residue Management Filter Strip Irrigation Water Management	329 393 449	AC
SP55	PESTICIDE CONTAINMENT FACILITIES Critical Area Planting Dike Diversion Fence Mulching Pipeline	342 356 362 382 484	NU

	Pond Sealing or Lining Roof Runoff Management Heavy Use Area Protection Structure for Water Control Subsurface Drain Underground Outlet Waste Utilization Pesticide Containment Facility	516 521 558 561 587 606 620 633 998	
SP56	RICE RESIDUE MANAGEMENT Residue Management, Seasonal	344	AC
SP57	HIGH RESIDUE CROPPING SYSTEM Cover & Green Manure Crops	340	AC

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SP58	WILDLAND FUELBREAK & HABITAT IMPROVEMENT		AC

	Bareland Planting or Planting w/o Site Preparation		
	Light Site Preparation & Planting	01	
	Medium Site Preparation & Planting	02	
	Heavy Site Preparation & Planting	03	
	Light Site Preparation/Direct Seeding	04	
	Medium Site Preparation/Direct Seeding	08	
	Heavy Site Preparation/Direct Seeding	09	
	Thinning	10	
	Release	11	
	Pruning	13	
	Thinning & Pruning	14	
	Special Component	15	
	Grapevine Removal	17	
	Erosion Control Measures	18	
	Control of Competitive & Other Undesirable Species	20	
	Fencing	33	
	Brush Management	40	
	Prescribed Burning	314	
	Firebreak	338	
	Forage Harvest Management	394	
	Pasture & Hayland Planting	511	
	Wildlife Upland Habitat Management	512	
		645	
SRP1	ON-FARM SALT LOAD REDUCTION		AC

	Irrigation Canal or Lateral		
	Critical Area Planting	320	
		342	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SRP1			AC
	ON-FARM SALT LOAD REDUCTION		
	Sediment Basin	350	
	Irrigation Field Ditch	388	
	Grassed Waterway or Outlet	412	
	Irrigation Water Conveyance/Ditch & Canal Lining	428	
	Irrigation Water Conveyance/Pipeline	430	
	Irrigation System/Trickle (Drip)	441	
	Irrigation System/Sprinkler	442	
	Irrigation System/Surface	443	
	Irrigation System/Tailwater Recovery	447	
	Irrigation Land Leveling	464	
	Land Smoothing	466	
	Pond Sealing or Lining	521	
	Pumped Well Drain	532	
	Pumping Plant for Water Control	533	
	Irrigation Pit or Regulating Reservoir	552	
	Structure for Water Control	587	

	Subsurface Drainage (Salinity Only) Surface Drain, Field Ditch Surface Drain, Main or Lateral	606 607 608	
SRP2	OFF-FARM SALT LOAD REDUCTION Irrigation Canal or Lateral Critical Area Planting Sediment Basin Grade Stabilization Structure Irrigation Water Conveyance/Ditch & Canal Lining Irrigation Water Conveyance/Pipeline	 320 342 350 410 428 430	AS

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SRP2	OFF-FARM SALT LOAD REDUCTION Pond Sealing or Lining Pumping Plant for Water Control Irrigation Pit or Regulating Reservoir Structure for Water Control	 521 533 552 587	AS
SRP3	PERMANENT WILDLIFE HABITAT Critical Area Planting Windbreak/Shelterbelt Establishment Fence	 342 380	AS

	Field Border	382	
	Filter Strips	386	
	Hedgerow Planting	393	
	Irrigation Water Conveyance/Ditch & Canal Lining	422	
	Irrigation Water Conveyance/Pipeline	428	
	Irrigation System/Trickle (Drip)	430	
	Irrigation System/Sprinkler	441	
	Irrigation System/Surface	442	
	Pasture & Hayland Planting	443	
	Pumping Plant for Water Control	512	
	Structure for Water Control	533	
	Tree/Shrub Establishment	587	
	Trough or Tank	612	
	Well	614	
	Wildlife Watering Facility	642	
	Forest Stand Improvement	648	
		666	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC

SRP4	SHALLOW WATER AREAS FOR WILDLIFE		AS
	Critical Area Planting		
	Sediment Basin	342	
	Dike	350	
	Pond	356	
	Fence	378	
	Irrigation Water Conveyance/Pipeline	382	
	Pasture & Hayland Planting	430	
	Pond Sealing & Lining	512	
	Pumping Plant for Water Control	521	
	Regulating Water in Drainage Systems	533	
	Spring Development	554	
	Streambank & Shoreline Protection	574	
	Structure for Water Control	580	
	Tree/Shrub Establishment	587	
	Trough or Tank	612	
	Well	614	
	Wildlife Watering Facility	642	
		648	
TAP1	DROUGHT RELIEF-WOOD/TIMBER SEEDLING		AC
	REESTABLISHMENT		
	Bareland Planting or Planting w/o Site Preparation	01	
	Light Site Preparation & Planting	02	
	Light Site Preparation/Direct Seeding		

		08	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
TAP2	DROUGHT RELIEF-CHRISTMAS TREE SEEDLING REESTABLISHMENT Bareland Planting or Planting w/o Site Preparation Light Site Preparation & Planting Light Site Preparation/Direct Seeding	 01 02 08	AC
TAP3	DROUGHT RELIEF-FRUIT/NUT/MISC. SEEDLING REESTABLISHMENT Bareland Planting or Planting w/o Site Preparation Light Site Preparation & Planting Light Site Preparation/Direct Seeding	 01 02 08	AC
TAP4	FREEZE RELIEF-ORCHARD TREE REESTABLISHMENT Bareland Planting or Planting w/o Site Preparation		AC

	Light Site Preparation & Planting Medium Site Preparation & Planting Heavy Site Preparation & Planting Light Site Preparation/Direct Seeding Medium Site Preparation/Direct Seeding Heavy Site Preparation/Direct Seeding Special Component	01 02 03 04 08 09 10 17	
TAP5	FOREST SEEDLING REESTABLISHMENT Bareland Planting or Planting w/o Site Preparation Light Site Preparation & Planting Light Site Preparation/Direct Seeding	 01 02 08	AC

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
TAP6	ORCHARD TREE REESTABLISHMENT Bareland Planting or Planting w/o Site Preparation Light Site Preparation & Planting Medium Site Preparation & Planting Heavy Site Preparation & Planting Light Site Preparation/Direct Seeding Medium Site Preparation/Direct Seeding Heavy Site Preparation/Direct Seeding	 01 02 03 04 08 09	AC

	Special Component	10 17	
TAP7	NURSERY INVENTORY REESTABLISHMENT Bareland Planting or Planting w/o Site Preparation Light Site Preparation & Planting Medium Site Preparation & Planting Heavy Site Preparation & Planting Light Site Preparation/Direct Seeding Medium Site Preparation/Direct Seeding Heavy Site Preparation/Direct Seeding Special Component	 01 02 03 04 08 09 10 17	AC
WB1	ESTABLISHING VEGETATIVE COVER/ WILDLIFE HABITAT Wildlife Upland Habitat Management	 645	AC

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
WB2	ESTABLISH OR MAINTAIN SHALLOW WATER AREAS & IMPROVE HABITAT Structure for Water Control Wildlife Wetland Habitat Management	 587 644	AC

WC1	WATER IMPOUNDMENT RESERVOIRS		AS NU
	Critical Area Planting		
	Dam/Multiple Purpose	342	
	Pond	349	
	Fence	378	
	Grade Stabilization Structure	382	
	Mulching	410	
	Pipeline	484	
	Pond Sealing or Lining	516	
	Structure for Water Control	521	
	Trough or Tank	587	
		614	
WC2	SPREADER DITCHES OR DIKES		AS
	Bedding		
	Critical Area Planting	310	
	Dike	342	
	Terrace	356	
	Water Spreading	600	
		640	
WC3	RANGELAND MOISTURE CONSERVATION		AC
	Grazing land Mechanical Treatment		
		548	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
WC4	IRRIGATION WATER CONSERVATION		AS
	Irrigation Canal or Lateral		
	Critical Area Planting	320	
	Sediment Basin	342	
	Irrigation Field Ditch	350	
	Grassed Waterway or Outlet	388	
	Irrigation Water Conveyance/Ditch & Canal Lining	412	
	Irrigation Water Conveyance/Pipeline	428	
	Irrigation System/Trickle (Drip)	430	
	Irrigation System/Sprinkler	441	
	Irrigation System/Surface & Subsurface	442	
	Irrigation System/Tailwater Recovery	443	
	Irrigation Land Leveling	447	
	Land Smoothing	464	
	Irrigation Pit or Regulating Reservoir	466	
	Structure for Water Control	552	
	Subsurface Drainage (Salinity Only)	587	
	Toxic Salt Reduction	606	
		610	
WL1	PERMANENT WILDLIFE HABITAT		AC
	Fence		

	Irrigation System/Trickle (Drip) Irrigation System/Sprinkler Irrigation System/Surface & Subsurface Mulching Wildlife Upland Habitat Management	382 441 442 443 484 645	
Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
WL2	SHALLOW WATER AREAS FOR WILDLIFE Pond Fence Pipeline Structure for Water Control Wildlife Wetland Habitat Management Wetland Restoration	 378 382 516 587 644 657	AC
WP1	SEDIMENT RETENTION, EROSION, OR WATER CONTROL STRUCTURES Critical Area Planting Dam/Diversion Dam/Multiple Purpose Sediment Basin Diversion	 342 348 349 350	AS NU

	Fence	362	
	Dam/Floodwater Retarding	382	
	Grade Stabilization Structure	402	
	Grassed Waterway	410	
	Lined Waterway or Outlet	412	
	Mulching	468	
	Pond Sealing or Lining	484	
	Structure for Water Control	521	
	Subsurface Drain	587	
	Underground Outlet	606	
	Vertical Drain	620	
	Water & Sediment Control Basin	630	
		638	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
WP2	STREAM PROTECTION		AS
	Channel Vegetation		
	Fence	322	
	Field Border	382	
	Filter Strip	386	

	Pipeline	393	
	Animal Trails & Walkways	516	
	Tree/Shrub Establishment	575	
	Trough or Tank	612	
		614	
WP3	SOD WATERWAYS		AS
	Critical Area Planting		
	Grassed Waterway	342	
	Lined Waterway or Outlet	412	
	Mulching	468	
	Structure for Water Control	484	
	Subsurface Drain	587	
	Underground Outlet	606	
	Vertical Drain	620	
		630	
WP4	AGRICULTURAL WASTE CONTROL		NU
	FACILITIES		
	Waste Storage Facility		
	Critical Area Planting	313	
	Sediment Basin	342	
	Dike	350	
	Manure Transfer	356	
		634	
Practice	Descriptive Title	Tech	Extent

Code		Practice Code	AS NU AC
WP4 (cont=d)	AGRICULTURAL WASTE CONTROL FACILITIES		NU
	Waste Treatment Lagoon		
	Diversion	359	
	Fence	362	
	Filter Strip	382	
	Grassed Waterway	393	
	Irrigation Water Conveyance/Pipeline	412	
	Lined Waterway or Outlet	430	
	Mulching	468	
	Pond Sealing or Lining	484	
	Pumping Plant for Water Control	521	
	Roof Runoff Management	533	
	Heavy Use Area Management	558	
	Structure for Water Control	561	
	Subsurface Drain	587	
	Underground Outlet	606	
	Water & Sediment Control Basin	620	
		638	
WP6	CONSTRUCTED WETLAND SYSTEMS FOR AGRICULTURAL WASTE WATER TREATMENT		NU

	Waste Storage Facility		
	Critical Area Planting	313	
	Sediment Basin	342	
	Dike	350	
		356	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
WP6 (cont=d)	CONSTRUCTED WETLAND SYSTEMS FOR AGRICULTURAL WASTE WATER TREATMENT		NU
	Manure Transfer		
	Waste Treatment Lagoon	634	
	Diversion	359	
	Fence	362	
	Filter Strip	382	
	Grassed Waterway	393	
	Lined Waterway or Outlet	412	
	Mulching	468	
	Pipeline	484	
	Pond Sealing or Lining	516	
	Roof Runoff Management	521	
	Heavy Use Area Protection	558	
	Structure for Water Control	561	

	Subsurface Drain	587	
	Underground Outlet	606	
	Waste Utilization	620	
	Wetland Development or Rstoration	633	
		657	
WP7	RIPARIAN BUFFER STRIPS		AC
	Bareland Planting or Planting w/o Site Preparation		
	Light Site Preparation & Planting	01	
	Channel Vegetation	02	
		322	
Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
WP7 (cont=d)	RIPARIAN BUFFER STRIPS		AC
	Clearing & Snagging		
	Residue Management	326	
	Cover & Green Manure Crop	329	
	Fence	340	
	Field Borders	382	
	Filter Strip	386	
	Use Exclusion	393	
	Pasture & Hayland Planting	472	
	Pipeline	512	
	Range Planting	516	

	Animal Trails & Walkways Tree/Shrub Establishment Trough or Tank Forest Stand Improvement	550 575 612 614 666	
WP8	PLUGGING ABANDONED WATER WELLS Plugging Abandoned Water Wells	755	NU
WP9	COMPOSTING FACILITIES Composting Facilities	317	NU

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
WQP1	SOURCE REDUCTION OF AGRICULTURAL POLLUTANTS Brush Management Conservation Cover Conservation Crop Rotation Residue Management Contour Farming Cover & Green Manure Crop Critical Area Planting Residue Management, Seasonal	314 327 328 329 330 340 342	AC

	Prescribed Grazing	344	
	Filter Strip	528	
	Grazing Land Mechanical Treatment	393	
	Irrigation Pit or Regulating Reservoir	548	
	Irrigation Water Management	552	
	Use Exclusion	449	
	Mulching	472	
	Nutrient Management	484	
	Forest Harvest Management	590	
	Pasture & Hayland Planting	511	
	Pest Management	512	
	Pond Sealing or Lining	595	
	Prescribed Burning	521	
	Pumping Plant for Water Control	338	
		533	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
WQP1 (cont=d)	SOURCE REDUCTION OF AGRICULTURAL POLLUTANTS		AC
	Range Planting		
	Regulating Water in Drainage Systems	550	
	Roof Runoff Management	554	
	Row Arrangement	558	

	Strip Cropping/Contour	557	
	Strip Cropping/ Field	585	
	Strip Cropping/Wind	586	
	Toxic Salt Reduction	589	
	Waste Management System	610	
	Waste Utilization	312	
	Wildlife Upland Habitat Management	633	
	Wildlife Wetland Habitat Management	645	
	Windbreak/Shelterbelt Renovation	644	
	Recordkeeping	650	
	Well Testing	991	
		990	
WR1	WETLAND RESTORATION		AC
	Sediment Basin		
	Dike	350	
	Diversion	356	
	Pond	362	
	Grade Stabilization Structure	378	
	Grassed Waterway	410	
	Pumping Plant for Water Control	412	
	Regulating Water in Drainage System	533	
		554	
Practice	Descriptive Title	Tech Practice	Extent AS NU AC

Code		Code	
WR1	WETLAND RESTORATION		AC
	Structure for Water Control		
	Subsurface Drain	587	
	Underground Outlet	606	
	Water & Sediment Control Basin	620	
	Wildlife Watering Facility	638	
	Wetland Restoration	648	
		657	
WR2	VEGETATIVE COVER ESTABLISHMENT		AC
	Conservation Cover		
	Cover & Green Manure Crop	327	
	Critical Area Planting	340	
	Fence	342	
	Field Border	382	
	Firebreak	386	
	Forage Harvest Management	394	
	Pasture & Hayland Planting	511	
	Tree/Shrub Establishment	512	
	Wildlife Wetland Habitat Management	612	
	Wildlife Upland Habitat Management	644	
	Wetland Development or Restoration	645	
		657	
	Descriptive Title	Tech	Extent

Practice Code		Practice Code	AS NU AC
SSP	STATE SPECIAL PRACTICE		AS NU AC
	Bareland Planting or Planting w/o Site Preparation		
	Light Site Preparation & Planting	01	
	Medium Site Preparation & Planting	02	
	Heavy Site Preparation & Planting	03	
	Light Site Preparation/Natural Regeneration	04	
	Medium Site Preparation/Natural Regeneration	05	
	Heavy Site Preparation/Natural Regeneration	06	
	Light Site Preparation/Direct Seeding	07	
	Medium Site Preparation/Direct Seeding	08	
	Heavy Site Preparation/Direct Seeding	09	
	Thinning	10	
	Cull Tree Removal	11	
	Release	12	
	Pruning	13	
	Thinning & Pruning	14	
	Special Component	15	
	Grapevine Removal	17	
	Erosion Control Measures	19	
	Wildlife Modification	20	
	Recreation Modification	21	
	Range Improvement Modification	22	

	Aesthetic Quality Protection, Enhancement, or Restoration Threatened & Endangered Species Habitat Modification Modification for Stream Zones	23 24 25 26	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SSP (cont=d)	STATE SPECIAL PRACTICE Control of Competitive or Other Undesirable Species Tree Shelters Fencing Integrated Crop Management Bedding Waste Management System Waste Storage Facility Brush Management Composting Facility Irrigation Canal or Lateral Channel Vegetation Chiseling & Subsoiling Clearing & Snagging Conservation Cover Conservation Crop Rotation	 33 36 40 97 310 312 313 314 317 320 322 324 326 327	AS NU AC

	Residue Management	328	
	Contour Farming	329	
	Prescribed Burning	330	
	Cover & Green Manure Crop	338	
	Critical Area Planting	340	
	Residue Management, Seasonal	342	
	Dam/Diversion	344	
	Dam/Multiple-Purpose	348	
	Sediment Basin	349	
	Prescribed Grazing	350	
	Dike	528	
	Manure Transfer	356	
	Waste Treatment Lagoon	634	
		359	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SSP (cont=d)	STATE SPECIAL PRACTICE		AS NU AC
	Diversion		
	Pond	362	
	Windbreak/Shelterbelt Establishment	378	
	Fence	380	
	Field Border	382	
	Irrigation Field Ditch	386	

	Riparian Forest Buffer	388	
	Filter Strip	391	
	Firebreak	393	
	Fish Stream Improvement	394	
	Dam/Floodwater Retarding	395	
	Grade Stabilization Structure	402	
	Grassed Waterway	410	
	Hillside Ditch	412	
	Irrigation Water Conveyance/Ditch & Canal Lining	423	
	Irrigation Water Conveyance/Pipeline	428	
	Irrigation System/Trickle (Drip)	430	
	Irrigation System/Sprinkler	441	
	Irrigation System/Surface & Subsurface	442	
	Irrigation System/Tailwater Recovery	443	
	Irrigation Water Management	447	
	Precision Land Forming	449	
		462	

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SSP (cont=d)	STATE SPECIAL PRACTICE	464	AS NU AC
	Irrigation Land Leveling	466	
	Land Smoothing	468	
	Lined Waterway or Outlet	472	

	Use Exclusion	484	
	Mulching	500	
	Obstruction Removal	511	
	Forage Harvest Management	512	
	Pasture & Hayland Planting	516	
	Pipeline	521	
	Pond Sealing or Lining	533	
	Pumping Plant for Water Control	548	
	Grazing Land Mechanical Control	550	
	Range Planting	552	
	Irrigation Pit or Regulating Reservoir	554	
	Regulating Water in Drainage Systems	557	
	Row Arrangement	558	
	Roof Runoff Management	560	
	Access Road	561	
	Heavy Use Area Protection	574	
	Spring Development	575	
	Animal Trails & Walkways	580	
	Streambank & Shoreline Protection	585	
	Stripcropping/Contour	586	
	Stripcropping/Field	587	
	Structure for Water Control	589	
	Strip Cropping/Wind		

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
SSP (cont=d)	STATE SPECIAL PRACTICE		AS NU AC
	Nutrient Management		
	Pest Management	590	
	Terrace	595	
	Subsurface Drain	600	
	Surface Drain/Field Ditch	606	
	Surface Drainage/Main or Lateral	607	
	Surface Roughening	608	
	Toxic Salt Reduction	609	
	Tree/Shrub Establishment	610	
	Trough or Tank	612	
	Underground Outlet	614	
	Vertical Drain	620	
	Waste Utilization	630	
	Water-Harvesting Catchment	633	
	Water & Sediment Control Basin	636	
	Waterspreading	638	

	Well	640	
	Wildlife Wetland Habitat Management	642	
	Wildlife Upland Habitat Management	644	
	Windbreak/Shelterbelt Renovation	645	
	Wetland Development or Restoration	650	
	Forest Stand Improvement	657	
	Plugging Artesian Wells	666	
	Stand Analysis for Forest Management Planning	755	
	Recordkeeping	962	
	Well Testing	748	
	Plugging Abandoned Water Wells	731	
	Constructed Wetlands	755	
		656	

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
CP1	ESTABLISHMENT OF PERMANENT INTRODUCED GRASSES & LEGUMES		AC

	Conservation Cover		
	Cover and Green Manure Crop	327	
	Critical Area Planting	340	
	Firebreak	342	
	Pasture and Hayland Planting	394	
	Pest Management	512	
	Prescribed Burning	595A	
	Range Planting	338	
	Spring Development	550	
	Wildlife Upland Habitat Management	574	
	Wildlife Watering Facility	645	
	Wildlife Wetland Habitat Management	648	
		644	
CP2	ESTABLISHMENT OF PERMANENT NATIVE GRASSES		AC
	Conservation Cover		
	Cover and Green Manure Crop	327	
	Critical Area Planting	340	
	Firebreak	342	
	Pasture and Hayland Planting	394	
	Pest Management	512	
	Prescribed Burning	595A	
	Range Planting	338	
	Spring Development	550	

	Wildlife Upland Habitat Management	574	
	Wildlife Watering Facility	645	
	Wildlife Wetland Habitat Management	648	
		644	

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
CP3, 3A, 3C, and 3N	TREE PLANTING (CP3)-		AC
	HARDWOOD TREE PLANTING (CP3A)		
	Bareland Planting or Planting w/o Site Preparation		
	Conservation Cover	01	
	Cover and Green Manure Crop	327 1/	
	Erosion Control Measures	340	
	Firebreak	20	
	Light Site Preparation and Planting	394	
	Pasture and Hayland Planting	02	
	Range Planting	512 1/	

	Pest Management Prescribed Burning Tree/Shrub Establishment Wildlife Modification Wildlife Upland Habitat Management Wildlife Wetland Habitat Management	550 1/ 595A 338 612 21 645 1/ 644 1/	
CP4, 4A, 4B, 4C, 4D, and 4N	PERMANENT WILDLIFE HABITAT (CP4, CP4D) PERMANENT WILDLIFE HABITAT, CORRIDORS (CP4A, CP4B) Conservation Cover Cover and Green Manure Crop Critical Area Planting Firebreak Pest Management Wildlife Watering Facility Wildlife Upland Habitat Management Wildlife Wetland Habitat Management	 327 340 342 394 595A 648 645 644	AC

1/ Applicable to open areas only.

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
CP5, 5A, 5C, and 5N	FIELD WINDBREAK ESTABLISHMENT		AC
	Conservation Cover		
	Cover and Green Manure Crop	327	
	Irrigation System/Trickle	340	
	Pest Management	441	
	Wildlife Upland Habitat Management	595A	
	Windbreak/Shelterbelt Establishment	645	
		380	
CP6	DIVERSIONS		AC
	Dike		
	Diversion	356	
	Grade Stabilization Structure	362	
	Structure for Water Control	410	
	Subsurface Drain	587	
	Underground Outlet	606	
		620	
CP7	EROSION CONTROL STRUCTURE		AC
	Dike		
	Diversion	356	
	Grade Stabilization Structure	362	

	Sediment Basin	410	
	Structure for Water Control	350	
	Subsurface Drain	587	
	Underground Outlet	606	
	Water and Sediment Control Basin	620	
		638	

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
CP8, 8A	GRASSED WATERWAY		AC
	Cover and Green Manure Crop		
	Grassed Waterway	340	
	Lined Waterway or Outlet	412	
	Structure for Water Control	468	
	Subsurface Drain	587	
	Underground Outlet	606	
		620	
CP9, 9C, and 9N	SHALLOW WATER AREAS FOR WILDLIFE		AC

	Dam, Multiple Purpose		
	Dike	349	
	Pond	356	
	Structure for Water Control	378	
	Wildlife Wetland Habitat Management	587	
	Shallow Water Management for Wildlife	644	
		646	
CP10	VEGETATIVE COVER, GRASS ALREADY ESTABLISHED		AC
	Conservation Cover		
	Firebreak	327	
	Pest Management	394	
	Prescribed Burning	595A	
	Wildlife Upland Habitat Management	338	
	Wildlife Watering Facility	645	
	Wildlife Wetland Habitat Management	648	
		644	

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice	Descriptive Title	Tech Practice	Extent AS NU

Code		Code	AC
CP11	VEGETATIVE COVER, TREES ALREADY ESTABLISHED		AC
	Early Successional Habitat Development/ Management	647 1/	
	Conservation Cover	327 1/	
	Firebreak	394	
	Pasture and Hayland Planting	512 1/	
	Range Planting	550 1/	
	Forest Stand Improvement	666	
	Pest Management	595A	
	Wildlife Upland Habitat Management	6451/	
	Wildlife Wetland Habitat Management	6441/	
CP12	WILDLIFE FOOD PLOT		AC
	Wildlife Upland Habitat Management		
	Wildlife Wetland Habitat Management	645	
		644	
CP13	FILTER STRIPS		AC
	Bareland Planting or Planting w/o Site Preparation		
	Conservation Cover	01	
	Filter Strip	327	
	Firebreak	393	
	Light Site Preparation and Planting	394	
	Pasture and Hayland Planting	02	

	Pest Management	512	
	Range Planting	595A	
	Tree/Shrub Establishment	550	
	Wildlife Upland Habitat Management	612	
	Wildlife Wetland Habitat Management	645	
		644	

1/ Applicable to open areas only.

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
CP13A, 13C	VEGETATIVE FILTER STRIPS		AC
	Conservation Cover		
	Filter Strip	327	
	Firebreak	393	
	Pasture and Hayland Planting	394	
	Range Planting	512	
	Wildlife Upland Habitat Management	550	
	Wildlife Wetland Habitat Management	645	
		644	

CP13B, 13D	VEGETATIVE FILTER STRIP (Trees)		AC
	Bareland Planting or Planting w/o Site Preparation		
	Filter Strip	01	
	Firebreak	393	
	Light Site Preparation and Planting	394	
	Light Site Preparation/Direct Seeding	02	
	Tree/Shrub Establishment	08	
	Wildlife Upland Habitat Management	612	
	Wildlife Wetland Habitat Management	645	
		644	
CP14, 14C, 14N	BOTTOM LAND TIMBER ESTABLISHMENT		AC
	ON WETLANDS		
	Bareland Planting or Planting w/o Site Preparation		
	Cover and Green Manure Crop	01	
	Erosion Control Measures	340	
	Light Site Preparation and Planting	20	
	Light Site Preparation/Direct Seeding	02	
		08	

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

	Descriptive Title	Tech	Extent

Practice Code		Practice Code	AS NU AC
CP14, 14C, 14N (cont=d)	BOTTOM LAND TIMBER ESTABLISHMENT ON WETLANDS, *continued* Wildlife Modification Wildlife Wetland Habitat Management	 21 644	AC
CP15, 15A	ESTABLISHMENT OF PERMANENT VEGETATIVE COVER (CONTOUR GRASS STRIPS) Contour Buffer Strips Pest Management	 332 595A	AC
CP16, 16A	SHELTERBELT ESTABLISHMENT Conservation Cover Cover and Green Manure Crop Irrigation System/Trickle Pest Management Wildlife Upland Habitat Management Windbreak/Shelterbelt Establishment	 327 340 441 595A 645 380	AC
CP17, 17A	LIVING SNOW FENCE Conservation Cover Cover and Green Manure Crop	 327	AC

	Irrigation System/Trickle	340	
	Pest Management	441	
	Wildlife Upland Habitat Management	595A	
	Windbreak/Shelterbelt Establishment	645	
		380	

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
CP18, 18A, 18B, and 18C	ESTABLISHMENT OF PERMANENT VEGETATION TO REDUCE SALINITY (CP18, CP18B) ESTABLISHMENT OF PERMANENT SALT TOLERANT VEGETATIVE COVER (CP18A, CP18C) Conservation Cover Critical Area Planting Pasture and Hayland Planting		AC
	Pest Management	327	
	Range Planting	342	
	Soil Salinity Management - Nonirrigated	512	

	Toxic Salt Reduction Wildlife Upland Habitat Management	595A 550 571 610 645	
CP19	ALLEY CROPPING Conservation Cover Cover and Green Manure Crop Tree/Shrub Establishment	 327 340 612	AC
CP20	ALTERNATIVE PERENNIALS Conservation Cover Cover and Green Manure Crop Tree/Shrub Establishment	 327 340 612	AC

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC

CP21	FILTER STRIPS		AC
	Conservation Cover		
	Fence	327	
	Riparian Herbaceous Cover	382	
	Filter Strip	390	
	Spring Development	393	
	Pest Management	574	
	Trough or Tank	595A	
	Wildlife Upland Habitat Management	614	
	Wildlife Wetland Habitat Management	645	
		644	
CP22	RIPARIAN BUFFER		AC
	Bareland Planting or Planting w/o Site Preparation		
	Conservation Cover	01	
	Early Successful Habitat Development/Management	327	
	Fence	647	
	Irrigation System/Trickle	382	
	Light Site Preparation and Planting	441	
	Spring Development	02	
	Pest Management	574	
	Riparian Forest Buffer	595A	
	Tree/Shrub Establishment	391A 2/	
		612 3/	

2/ For CRP, only 391A is authorized. However, FSA shall enter 391 in the CRES.

3/ Only allowed in conjunction with 391A.

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
CP22 (cont=d)	RIPARIAN BUFFER, *continued*		AC
	Trough or Tank		
	Wildlife Upland Habitat Management	614	
	Wildlife Wetland Habitat Management	645	
		644	
CP23	WETLAND RESTORATION		AC
	Conservation Cover		
	Cover and Green Manure Crop	327	
	Pasture and Hayland Planting	340	
	Range Planting	512	
	Structure for Water Control	550	
	Tree/Shrub Establishment	587	
	Water and Sediment Control Basin	612	
	Wetland Development or Restoration	638	
	Wetland Enhancement	657	

	Wildlife Upland Habitat Management Wildlife Wetland Habitat Management	659 645 644	
CP24	CROSS WIND TRAP STRIPS Conservation Cover Cover and Green Manure Crop Critical Area Planting Cross Wind Trap Strips Nutrient Management	 327 340 342 589C 590	AC

10-7-99 DM 9500-1 APPENDIX G-CRP

Amend. 3 Revision 4

CONSERVATION PRACTICES AND TECHNICAL PRACTICES

ELIGIBLE FOR COST-SHARE ASSISTANCE

CONSERVATION RESERVE PROGRAM

Practice Code	Descriptive Title	Tech Practice Code	Extent AS NU AC
CP24 (cont=d)	CROSS WIND TRAP STRIPS, *continued* Pest Management Range Planting Strip Cropping/Wind	 595A 550 589	AC
CP25	RARE AND DECLINING HABITAT		AC

	Conservation Cover		
	Cover and Green Manure Crop	327	
	Critical Area Planting	340	
	Firebreak	342	
	Irrigation System/Trickle (Drip)	394	
	Pest Management	441	
	Prescribed Burning	595A	
	Range Planting	338	
	Restoration and Management of Declining Habitats	550	
	Spring Development	643	
	Tree/Shrub Establishment	574	
	Wetland Development or Restoration	612	
	Wildlife Upland Habitat Management	657	
	Wildlife Wetland Habitat Management	645	
		644	

APPENDIX H
(APP. F)

TECHNICAL PRACTICE CODES AND UNITS TO BE USED FOR SECTION D

TECHNICAL PRACTICE NAME UNIT CODE

Technical Practice Name	Unit	Code
Access Road	FT	560
Animal Trails and Walkways (Formerly Stock Trails and Walkways)	AC	575

Bedding	AC	310
Brush Management	AC	314
Channel Vegetation	AC	322
Chiseling and Subsoiling	AC	324
Clearing and Snagging	FT	326
Commercial Fishponds	AC	397
Composting Facility	NO.	317
Conservation Cover	AC	327
Conservation Crop Rotation	AC	328
Contour Buffer Strips	AC	332
Contour Farming	AC	330
Contour Orchard and Other Fruit Areas	AC	331
Controlled Drainage	AC	335
Cover and Green Manure Crop	AC	340
Critical Area Planting	AC	342
Cross Wind Ridges	AC	589 *
Cross Wind Stripcropping	AC	589 *
Cross Wind Trap Strips	AC	589 *
Dam, Diversion	NO.	348
Dam, Floodwater Retarding	NO.	402

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
Technical Practice Name	Unit	Code
Access Road	FT	560
Animal Trails and Walkways (Formerly Stock Trails and Walkways)	AC	575
Bedding	AC	310
Brush Management	AC	314
Channel Vegetation	AC	322
Chiseling and Subsoiling	AC	324
Clearing and Snagging	FT	326
Commercial Fishponds	AC	397
Composting Facility	NO.	317
Conservation Cover	AC	327
Conservation Crop Rotation	AC	328
Contour Buffer Strips	AC	332
Contour Farming	AC	330
Contour Orchard and Other Fruit Areas	AC	331
Controlled Drainage	AC	335
Cover and Green Manure Crop	AC	340
Critical Area Planting	AC	342
Cross Wind Ridges	AC	589 *
Cross Wind Stripcropping	AC	589 *
Cross Wind Trap Strips	AC	589

		*
Dam, Diversion	NO.	348

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
Hillside Ditch	FT	423
Irrigation Canal or Lateral	FT	320
Irrigation Field Ditch	FT	388
Irrigation Land Leveling	AC	464
Irrigation Pit	NO.	552 *
Irrigation Regulating Reservoir	NO.	522 *
Irrigation Storage Reservoir	NO.	436
Irrigation System, Sprinkler	AC	442
Irrigation System, Surface and Subsurface	AC	443
Irrigation System, Tailwater Recovery	NO.	447
Irrigation System, Trickle	AC	441
Irrigation Water Conveyance, Ditch & Canal Lining, Flexible Membrane	FT	428 *
Irrigation Water Conveyance, Ditch & Canal Lining, Galvanized Steel	FT	428 *
Irrigation Water Conveyance, Ditch & Canal Lining, Nonreinforced Concrete	FT	428 *
Irrigation Water Conveyance, Pipeline, Aluminum Tubing	FT	430 *

Irrigation Water Conveyance, Pipeline, Asbestos-Cement	FT	430 *
Irrigation Water Conveyance, Pipeline, High Pressure, Underground, Plastic	FT	430 *
Irrigation Water Conveyance, Pipeline, Low-Pressure, Underground, Plastic	FT	430 *
Irrigation Water Conveyance, Pipeline, Nonreinforced Concrete	FT	430 *
Irrigation Water Conveyance, Pipeline, Rigid Gated Pipeline	FT	430 *
Irrigation Water Conveyance, Pipeline, Steel	FT	430 *
Irrigation Water Management	AC	449
Land Clearing	AC	460

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
Land Reclamation, Fire Control	NO.	451
Land Reclamation, Highwall Treatment	NO.	456
Land Reclamation, Landslide Treatment	NO.	453
Land Reclamation, Subsistence Treatment	AC	454
Land Reclamation, Toxic Discharge Control	NO.	455
Land Reconstruction, Abandoned Mined Land	AC	543
Land Reconstruction, Currently Mined Land	AC	544
Land Smoothing	AC	466
Lined Waterway or Outlet	AC	468

Manure Transfer	NO.	634
Mine Shaft and Adit Closing	NO.	457
Mole Drain	FT	482
Mulching	AC	484
Nutrient Management	AC	590
Obstruction Removal	AC	500
Open Channel	FT	582
Pasture and Hayland Planting	AC	512
Pest Management	AC	595 *
Pipeline	FT	516
Pond	NO.	378
Pond Sealing or Lining, Asphalt-Sealed Fabric Liner	NO.	521 *
Pond Sealing or Lining, Bentonite Sealant	NO.	521 *
Pond Sealing or Lining, Cationic Emulsion-Waterborne Sealant	NO.	521 *

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
Pond Sealing or Lining, Flexible Membrane	NO.	521 *
Pond Sealing or Lining, Soil Dispersant	NO.	521 *
Precision Land Forming	AC	462

Prescribed Burning	AC	338
Prescribed Grazing (Formerly Proper Grazing Use)	AC	528
Pumped Well Drain	NO.	532
Pumping Plant for Water Control	NO.	533
Range Planting (Formerly Range Seeding)	AC	550
Recreation Area Improvement	AC	562
Recreation Land Grading and Shaping	AC	566
Recreation Trail and Walkway	FT	568
Regulating Water in Drainage Systems	AC	554
Residue Management, Mulch Till	AC	329 *
Residue Management, No-Till and Strip Till	AC	329 *
Residue Management, Ridge Till	AC	329 *
Residue Management, Seasonal (Formerly Crop Residue Use)	AC	344
Riparian Forest Buffer	AC	391 *
Rock Barrier	FT	555
Roof Runoff Management	NO.	558
Row Arrangement	AC	557
Runoff Management System	NO.	570

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
Sediment Basin	NO.	350
Soil Salinity Management - Nonirrigated	AC	571
Spoil Spreading	AC	572
Spring Development	NO.	574
Stream Channel Stabilization	FT	584
Streambank and Shoreline Protection	FT	580
Stripcropping, Contour	AC	585
Stripcropping, Field	AC	586
Structure for Water Control	NO.	587
Subsurface Drain	FT	606
Surface Drainage, Field Ditch	FT	607
Surface Drainage, Main or Lateral	FT	608
Surface Roughening	AC	609
Terrace	FT	600
Toxic Salt Reduction	AC	610
Tree/Shrub Establishment (Formerly Tree Planting)	AC	612
Tree/Shrub Pruning	AC	660 *
Trough or Tank	NO.	614
Underground Outlet	FT	620
Use Exclusion	AC	472

(Formerly Livestock Exclusion)		
Vertical Drain	NO.	630
Waste Management System	NO.	312

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
Waste Storage Facility (Formerly Waste Storage Structure)	NO.	313
Waste Treatment Lagoon	NO.	359
Waste Utilization	AC	633
Water and Sediment Control Basin	NO.	638
Water Harvesting Catchment	NO.	636
Water Table Control	AC	641
Waterspreading	AC	640
Well	NO.	642
Well Decommissioning	NO.	351
Wetland Construction	NO.	656
Wetland Development or Restoration	AC	657
Wildlife Upland Habitat Management	AC	645
Early Successional Habitat Development/Management	AC	647
Wildlife Watering Facility	NO.	648
Wildlife Wetland Habitat Management	AC	644
Windbreak/Shelterbelt Establishment	FT	380

(Formerly Farmstead & Feedlot Windbreak)		
Windbreak/Shelterbelt Renovation (Formerly Windbreak Renovation)	FT	650
Well Testing	NO.	731
Recordkeeping	NO.	748
Plugging Wells	NO.	755

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
FORESTRY PRACTICE CODES		
Bareland Planting or Planting w/o Site Preparation	AC	01
Lite Site Preparation & Planting	AC	02
Medium Site Preparation & Planting	AC	03
Heavy Site Preparation & Planting	AC	04
Lite Site Preparation for Natural Regeneration	AC	05
Medium Site Preparation for Natural Regeneration	AC	06
Heavy Site Preparation for Natural Regeneration	AC	07
Light Site Preparation/Direct Seeding	AC	08
Medium Site Preparation/Direct Seeding	AC	09
Heavy Site Preparation/Direct Seeding	AC	10
Thinning	AC	11
Cull Tree Removal	AC	12

Release	AC	13
Pruning	AC	14
Thinning & Pruning	AC	15
Special Component	AC	17
Grapevine Removal	AC	19
Erosion Control Measures	AC	20
Wildlife Modification	AC	21
Recreation Modification	AC	22
Range Improvement Modification	AC	23
Aesthetic Quality Protection, Enhancement, or Restoration	AC	24

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
Threatened & Endangered Species Habitat Modification	AC	25
Modification for Stream Zones	AC	26
Threatened & Endangered Species Planting	AC	27
Cultural Resource Site Protection	AC	28
Riparian Forest Buffer	AC	29
Landowner Forest Stewardship Plan Development	AC	30
Forest Wetland Restoration	AC	31
Animal Repellant	AC	32
Control of Competitive or Other Undesirable Species	AC	33
Multi-Cropping Systems	AC	34

Release of Planted Woodlands	AC	35
Tree Shelters	AC	36
Conservation Tree Renovation	AC	37
Wildlife Structures	NO.	38
Brush Management	AC	39
Fencing	AC	40
Mulching	AC	41
Nutrient Management	AC	42
Streambank & Shoreline Protection	FT	43
Clearing of Forest Access Roads	AC	44
Designation of Storm Damaged Trees for Removal	AC	45
Fire Hazard Reduction	AC	46
Construction of Forest Access Corridors	AC	47

TECHNICAL PRACTICE CODES AND UNITS TO BE USED

Technical Practice Name	Unit	Code
Clearing of Debris from Ditches and Culverts	AC	48
Clearing of Debris from Streams	AC	49
Clearing of Forest Recreation Trails	AC	50
Revision of Landowner Forest Stewardship Plan	AC	51

* NRCS has suffixes associated with these technical practice codes that are not used with the CRES.

APPENDIX I
Revision 4 (APP. F)

FOREST COVER TYPES
EASTERN UNITED STATES

10 White pine - red pine - jack pine type
11 Jack pine
12 Red pine
13 White pine
14 White pine - hemlock
15 Hemlock
16 Austrian pine
20 Spruce - fir type
21 Balsam fir
22 Black spruce
23 Red spruce - balsam fir
24 Northern white cedar
25 Tamarack
26 White spruce - Norway spruce

30 Longleaf - slash pine type ***-
31 Longleaf pine
32 Slash pine
40 Loblolly pine - shortleaf pine type
41 Loblolly pine
42 Shortleaf pine
43 Virginia pine
44 Sand pine
45 Eastern redcedar
46 Pond pine
47 Spruce pine
48 Pitch pine
49 Table-Mountain pine

50 Oak - pine type
51 White pine - northern red oak - white ash
52 Eastern redcedar - hardwood
53 Longleaf pine - scrub oak
54 Shortleaf pine - oak
55 Virginia pine - southern red oak
56 Loblolly pine - hardwood
57 Slash pine - hardwood
58 Other oak - pine

60 Oak - hickory type
61 Post oak, black oak, or bear oak
62 Chestnut oak-***
63 White oak - red oak - hickory
64 White oak
65 Northern red oak
66 Yellow-poplar - white oak - northern red oak
67 Southern scrub oak
68 Sweetgum - yellow-poplar
69 Black locust - sassafras - persimmon

70 Oak - gum - cypress type
71 Swamp chestnut oak - cherrybark oak
72 Sweetgum - Nuttal oak - willow oak
73 Sugarberry - American elm - green ash
74 Overcup oak - water hickory
77 Sweetbay - swamp tupelo - red maple
78 Blackgum

80 Elm - ash - cottonwood type
81 Black ash - American elm
82 River birch - sycamore
83 Cottonwood
84 Willow
85 Sycamore - pecan - American elm
86 Silver maple - American elm

90 Maple - beech - birch type
91 Sugar maple - beech - yellow birch
92 Black cherry/White ash

100 Aspen - birch type
101 Aspen
102 Paper birch

110 Black walnut

111 Tropical Forest

112 Paulownia

WESTERN UNITED STATES

120	Douglas- fir type	150	Fir - spruce type
121	Douglas- fir (coastal)	151	White fir
122	Douglas- fir (intermountain)	152	Red fir
123	Douglas- fir (western hemlock)	153	Pacific Silver fir - hemlock
124	Port-Orford-cedar - Douglas-fir	154	Engelmann spruce
130	Ponderosa pine type	155	Engelmann spruce - subalpine fir
131	Ponderosa pine	156	Colorado blue spruce
132	Jeffrey pine	160	Hemlock - Sitka spruce type
133	Ponderosa pine - sugar pine - fir	161	Western redcedar
134	Bishop pine - Monterey pine	162	Sitka spruce
140	Western white pine type	163	Mountain hemlock - subalpine fir
		164	Western hemlock
170	Larch type	210	Red alder
171	Larch - Douglas-fir	212	Poplar - birch
172	Grand fir - larch - Douglas-fir	213	Aspen
173	Ponderosa pine - larch - Douglas-fir	214	California black oak
180	Lodgepole pine type	215	Cottonwood - willow
181	Lodgepole pine	216	Canyon live oak
182	Shore pine	217	Oak - madrone
190	Redwood	218	Chaparral 1/
200	Coulter pine	219	Ohia
201	Pinyon pine - juniper 1/	220	Oregon white oak
202	Knobcone pine	221	Interior live oak
203	Bristlecone pine	222	Eucalyptus
204	Whitebark pine	230	Tropical Forest
205	Limber pine		
206	Digger pine - oak		

1/ In accordance with the Soil Conservation Service and Forest Service agreement signed December 17, 1982, these types will not be considered as forestland unless the landowner or land user chooses to manage the land primarily for wood products.

Note: CONTACT OIRM, IMD ON 202-720-8799 or FAX 202-205-2831 FOR THE PAPER COPY OF THE FOLLOWING IMAGE: (### Appendix K - Recommended Primary Purpose Codes - Conservation Programs. ### 11/29/94)

Recommended Primary Purpose by Practice

Prog.	Eros. Cntrl	Water Consv	Water Qlty	Wood Prod.	Other Codes	Prog.	Eros. Cntl	Water Consv	Water Qlty	Wood Prod	Other Codes
ACP - Agricultural Conservation Program						ACP - Agricultural Conservation Progra					
SL1	x		x			WP3	x		x		
SL2	x		x			WP4			x		
SL3	x		x			WP6			x		
SL3	x		x			WP7			x		
SL5	x		x			WP8			x		
SL6	x		x			WP9			x		
SL7	x		x			FR1	x			x	
SL8	x		x			FR2	x			x	
SL9	x		x			FR3	x			x	
SL11	x		x			WL1				x	1
SL12	x		x			WL2					1

SL13	x		x			SP53			x		
SL14	x		x			SP55			x		
SL15	x		x			WQP1			x		
WC1	x					CRP - Conservation Reserve Program					
WC2	x	x	x			CP1 1/	x		x		x
WC3		x				CP2 1/	x		x		x
WC4		x				CP3 & CP3A				x	
WP1	x		x			CP4 & CP4A	x				
WP2	x		x			CP4B & CP4D 1/	x		x		x

10-7-99 DM 9500-1 APPENDIX K

Amend 3 Revision 4

Recommended Primary Purpose by Practice

Prog.	Eros. Cntrl	Water Consv	Water Qlty	Wood Prod.	Other Code	Prog.	Eros. Cntl	Water Consv	Water Qlty	Wood Prod	Oth Coc
CRP - Conservation Reserve Program						CRP - Conservation Reserve Program					
CP5	x					CP19 1/	x		x		
CP5A	x 2/				x 3/	CP20				x	
CP6 4/	x		x			CP21			x		
CP7 4/	x		x			CP22			x		
CP8	x					CP23 1/	x		x	x	
CP8A	x 2/				x 3/	CP24	x				
CP9					x	CP25 1/	x		x		
CP10 1/	x		x		x	ECP - Emergency Conservation Program					
CP11					x	EC1					

CP12					x	EC2					5
CP13, CP13A, CP13B, CP13D			x			EC3					
CP14				x		EC4					
CP15	x					EC5					
CP15A	x 2/				x 3/	EC6					
CP16	x					EC7					
CP16A	x 2/				x 3/	RCWP - Rural Clean Water Program					
CP17	x					BMP1	x		x		
CP17A	x 2/				x 3/	BMP2	x		x		
CP18, CP18A, CP18B			x			BMP3	x		x		

APPENDIX K

Amend 3 Revision 4

Recommended Primary Purpose by Practice

Prog.	Eros.	Water	Water	Wood	Other	Prog.	Eros.	Water	Water	Wood	Other

	Cntrl	Consv	Qlty	Prod.	Codes		Cntl	Consv	Qlty	Prod	Codes
RCWP - Rural Clean Water Program						RCWP - Rural Clean Water Program					
BMP4	x		x			BMP14	x	x	x	x	
BMP5	x		x			BMP15	x		x		
BMP6	x		x			BMP16	x		x		
BMP7	x		x			BMP17	x		x		
BMP8	x		x			BMP18			x		
BMP9	x		x			SIP -Stewardship Incentive Program					
BMP10	x					SIP1					x
BMP11	x		x			SIP2				x	
BMP12	x		x			SIP3				x	
BMP13		x	x			SIP4					x
						SIP5					x
						SIP6					x

						SIP7			x		x
						SIP8					x
						SIP9					x

1/ Primary purpose determined by EBI points awarded for Factor N1, N2, or N3.

2/ Primary purpose if **any** or **all** of the land enrolled was **not** previously enrolled in CRP.

3/ Primary purpose if **all** land enrolled was previously enrolled in CRP.

4/ Primary purpose determined by the specific site and purpose of structure.

Note: Other data may be entered on AD-862 to reflect secondary purposes of the practice. If the practice will provide a secondary purpose, the applicable data should be included.