



Steve Troxler
Commissioner

North Carolina Department of Agriculture
and Consumer Services
Division of Soil and Water Conservation

Patricia K. Harris
Director

Memorandum

TO: Environmental Review Commission
FROM: *Patricia K. Harris*
Patricia K. Harris, Director
Date: January 16, 2015
RE: 2014 Annual Report on the Agricultural Water Resources Assistance Program

This memo transmits the 2014 Annual Report on the Agricultural Water Resources Assistance Program as required by General Statute 139-60. The statute requires the Soil and Water Conservation Commission to provide annual reports to the Environmental Review Commission.

If you have any questions or need additional information, please contact me at (919) 715-6097 or by email at pat.harris@ncagr.gov.

Enclosure

cc: Commissioner Steve Troxler
David Smith
Dr. Richard Reich
Joy Hicks
David Williams
Julie Henshaw

MAILING ADDRESS
Division of Soil and Water Conservation
1614 Mail Service Center
Raleigh, NC 27699-1614

Telephone: 919-733-2302
Fax Number: 919-733-3559

An Equal Opportunity Employer

LOCATION
Archdale Building
512 N. Salisbury Street, Suite 504
Raleigh, NC 27604

AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM
§ 139-60
FISCAL YEAR 2014 ANNUAL REPORT
January 2015

Background

The North Carolina Agricultural Water Resources Assistance Program was authorized through Session Law 2011-145, and became effective on July 1, 2011. This program, referred to as AgWRAP, was established to assist farmers and landowners in doing any one or more of the following:

- Identify opportunities to increase water use efficiency, availability and storage;
- Implement best management practices (BMPs) to conserve and protect water resources;
- Increase water use efficiency;
- Increase water storage and availability for agricultural purposes.

Public benefit of this program is achieved by the following:

- Reducing competition for water resources by public users
- Improving the efficient use of water while enabling the industry to produce food, fiber and other agricultural products
- Preparing the agricultural industry to weather future droughts
- Generating and protecting local jobs in agriculture and agribusiness

AgWRAP is administered by the North Carolina Soil and Water Conservation Commission and implemented through local soil and water conservation districts. The commission meets with stakeholders to gather input on AgWRAP's development and administration through the AgWRAP Review Committee. AgWRAP has received the following state appropriations:

- FY2012: \$1,000,000
- FY2013: \$500,000
- FY2014: \$1,000,000; \$500,000 available statewide, \$500,000 limited to counties affected by the Tennessee Valley Authority (TVA) settlement: Avery, Buncombe, Burke, Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Madison, McDowell, Mitchell, Swain, Transylvania, Watauga and Yancey counties.

Up to 15% of these funds can be used by the Division of Soil and Water Conservation and districts to provide technical and engineering assistance, and to administer the program.

In FY2012, the commission conducted a statewide request for applications for building new agricultural water supply ponds, funding 21 new ponds. In addition, the commission allocated \$510,000 to 69 soil and water conservation districts who requested an allocation for other AgWRAP practices including: agricultural pond repair/retrofit, agricultural pond sediment removal, conservation irrigation conversion, micro-irrigation system, and well. In FY2013, the commission allocated all available funds through a statewide request for applications for building new agricultural water supply ponds, funding 28 new ponds. In FY2014, the year covered in this report, the commission conducted a regional application process for selected program practices including: agricultural water supply ponds, agricultural pond repair/retrofit, agricultural pond sediment removal and a new practice of streamside pickup based on the spring development standard. In addition, the commission used the TVA settlement funding to approve AgWRAP applications in eligible districts for the BMPs listed above as well as conservation irrigation conversion and micro-irrigation systems. In total, 88 AgWRAP applications were contracted in FY2014.

This report includes a summary of actions taken to achieve the goals the commission adopted for the program in the FY2014 Detailed Implementation Plan. The report includes the following appendices to provide more information about the program:

- A. Total number and value of PY2014 contracts by county
- B. Map of 2014 AgWRAP Contracted BMPs
- C. PY2014 Detailed Implementation Plan
- D. BMP effects table
- E. PY2014 Spot Check Report
- F. Funding and Compliance Process
- G. BMP Photos

Fiscal Year 2014 Annual Goals

I. Conduct a competitive state allocation for selected AgWRAP BMPs

a. Fund projects in each of the division's regions: western, central and eastern.

In FY2014, the commission funded ponds in each region of the state:

- A total of 53 contracts were approved in the western region in FY2014. The large number of contracts was due to the additional funding available for this part of the state through the Tennessee Valley Authority Settlement.
 - Agricultural water supply/reuse ponds: 20 contracts
 - Agricultural pond repair/retrofit: 12 contracts
 - Agricultural pond sediment removal: 10 contracts
 - Micro-irrigation systems: 2 contracts
 - Baseflow interceptor/Streamside pickup: 6 contracts
 - Well: 3 supplements to FY2012 contracts
- A total of 19 contracts were approved in the central region in FY2014:
 - agricultural water supply/reuse ponds: 9 contracts
 - agricultural pond repair/retrofit: 1 contract
 - agricultural pond sediment removal: 8 contracts
 - Well: 1 supplement to FY2012 contract
- A total of 16 contracts were approved in the eastern region in FY2014:
 - agricultural water supply/reuse ponds: 8 contracts
 - agricultural pond repair/retrofit: 4 contract
 - agricultural pond sediment removal: 4 contracts

b. Distribute funding for AgWRAP BMPs among the following agricultural sectors identified in the Protecting Agriculture Water Resources in North Carolina Strategic Plan (February 2011): aquaculture, field crops, forestry, fruit and vegetable, green industry, livestock and poultry (and forages and drinking water for same).

In FY2014, the commission approved applications for all agricultural sectors that applied and met the requirements of the AgWRAP program. These sectors that were funding FY2014 include types of operations: field crops, fruits and vegetables, green industry, and livestock and poultry.

II. Implement Job Approval Authority Process for AgWRAP BMPs

a. Expand job approval categories for investigations and evaluations.

In FY2014, the commission continued to approve employee requests for the following job approval categories:

- Pond site assessment
- Sediment removal planning and certification
- Water needs assessments

To date, 27 conservation partnership employees representing 20 districts have obtained job approval authority for one or more of the categories above.

b. Provide training for district employees to earn job approval.

In FY2014, the division conducted two Planning for a Pond workshops. These were held in Kinston and Crossnore with a total attendance of 61 district and division personnel. During the 2013 Conservation Employee Workshop the division also provided basic survey training and Google EC training which assists staff in obtaining design and planning information for conservation practices. There were approximately 42 district employees in attendance.

c. Maintain the job approval database.

The Division of Soil and Water Conservation maintains a database including the categories described above. A list of employees with job approval authority is available at:

http://www.ncagr.gov/SWC/professional_development/JAA.html

III. Conduct training for districts

a. Continue to train districts on the program.

The division continued to provide training opportunities on the program, in FY2014 focusing on technical trainings about planning for ponds as described in II.b. above. During the remainder of FY2014, the division's technical services staff provided training and support by working directly with district employees when reviewing potential pond sites.

b. Provide technical training for the required skills to plan and implement approved AgWRAP BMPs.

In addition to the Planning a Pond, surveying and Google EC trainings described above, as part of the Conservation Employees Training held in August 2014, the division organized a multiday training titled *Designing a Pond*. More information regarding this intensive training and other training initiatives held in FY2015 will be covered in next year's report.

c. Maintain the AgWRAP website

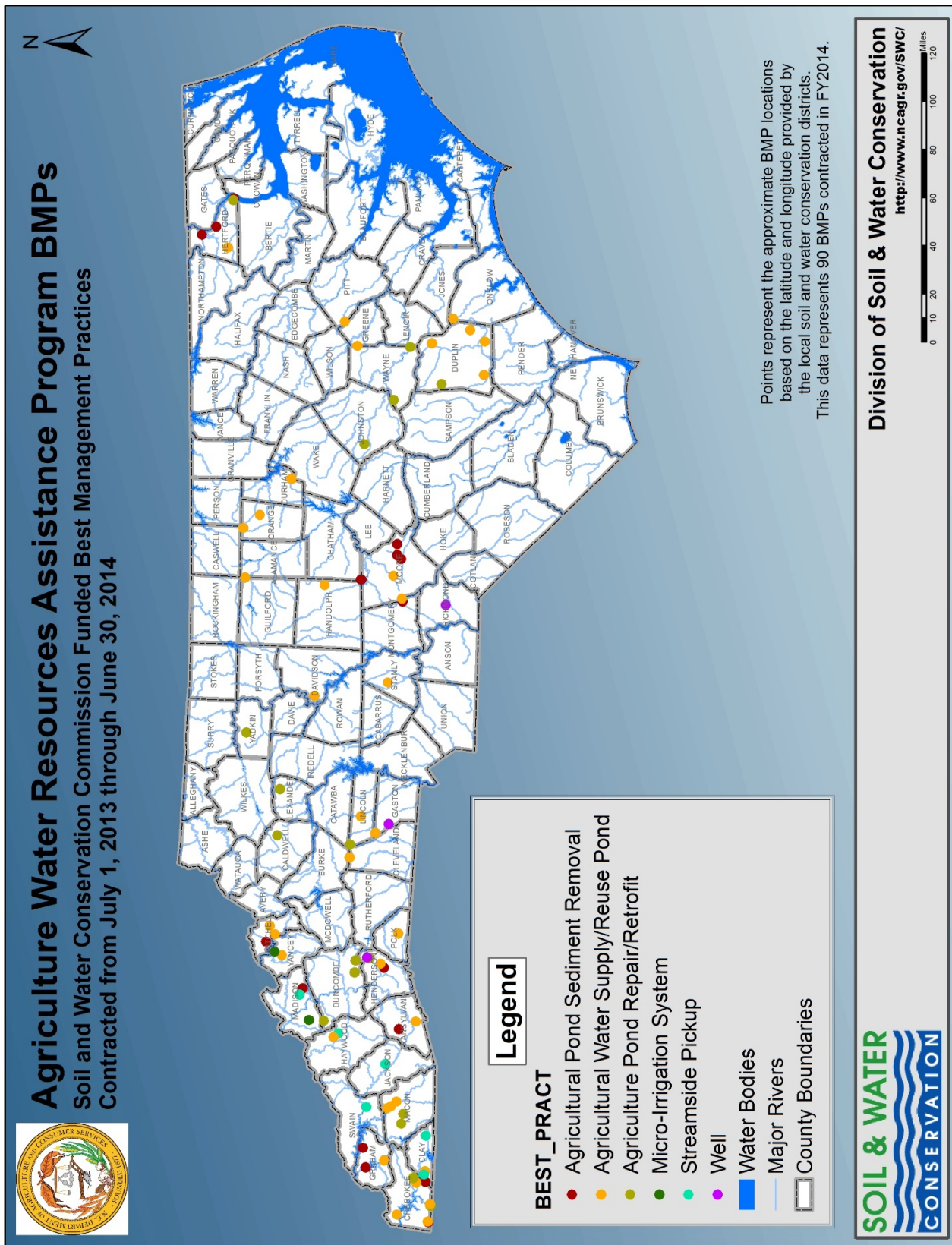
The division continues to maintain the AgWRAP information online for easy access for districts, cooperators and partners. AgWRAP program information including BMP policies can be accessed at: <http://www.ncagr.gov/SWC/costshareprograms/AgWRAP/index.html>. Practice planning and design tools, including the Water Needs Assessment Tool for NC described above, are available at: <http://www.ncagr.gov/SWC/tech/olinedesigntools.html>.

Appendix A: A. Total number and value of PY2014 contracts by county

County	Contract Number	Best Management Practice	Amount
Yancey	00-2014-801	Micro-Irrigation System	\$9,998
Yancey	00-2014-802	Agriculture Pond Repair/Retrofit	\$15,000
Alexander	02-2014-801	Agriculture Pond Repair/Retrofit	\$15,000
Buncombe	11-2014-801	Agriculture Pond Repair/Retrofit	\$22,499
Buncombe	11-2014-802	Agriculture Pond Repair/Retrofit	\$22,499
Buncombe	11-2014-803	Agriculture Pond Repair/Retrofit	\$22,499
Chatham	19-2014-802	Agricultural Pond Sediment Removal	\$5,000
Chatham	19-2014-803	Agricultural Pond Sediment Removal	\$5,000
Cherokee	20-2014-801	Agricultural Water Supply/Reuse Pond	\$15,000
Cherokee	20-2014-802	Agricultural Water Supply/Reuse Pond	\$15,000
Cherokee	20-2014-803	Agriculture Pond Repair/Retrofit	\$15,000
Cherokee	20-2014-804	Agricultural Pond Sediment Removal	\$5,000
Cherokee	20-2014-805	Agricultural Water Supply/Reuse Pond	\$15,000
Cherokee	20-2014-806	Agricultural Water Supply/Reuse Pond	\$15,000
Cherokee	20-2014-807	Agriculture Pond Repair/Retrofit	\$15,000
Cherokee	20-2014-808	Agricultural Water Supply/Reuse Pond	\$15,000
Cherokee	20-2014-809	Agricultural Pond Sediment Removal	\$15,000
Clay	22-2014-801	Agricultural Water Supply/Reuse Pond	\$15,000
Clay	22-2014-802	Streamside Pickup	\$5,000
Clay	22-2014-803	Streamside Pickup	\$5,000
Cleveland	23-2014-803	Agricultural Water Supply/Reuse Pond	\$15,000
Cleveland	23-2014-804	Agriculture Pond Repair/Retrofit	\$15,000
Duplin	31-2014-801	Agricultural Water Supply/Reuse Pond	\$15,000
Duplin	31-2014-802	Agriculture Pond Repair/Retrofit	\$15,000
Duplin	31-2014-803	Agricultural Water Supply/Reuse Pond	\$15,000
Duplin	31-2014-804	Agricultural Water Supply/Reuse Pond	\$15,000
Duplin	31-2014-805	Agricultural Water Supply/Reuse Pond	\$15,000
Durham	32-2014-801	Agricultural Water Supply/Reuse Pond	\$18,000
Durham	32-2014-801	Agricultural Pond Sediment Removal	\$9,000
Gaston	36-2014-803	Agricultural Water Supply/Reuse Pond	\$18,000
Graham	38-2014-002	Well	\$683
Graham	38-2014-801	Agriculture Pond Repair/Retrofit	\$15,000
Graham	38-2014-802	Agricultural Water Supply/Reuse Pond	\$15,000
Graham	38-2014-803	Agricultural Water Supply/Reuse Pond	\$15,000
Graham	38-2014-804	Agriculture Pond Repair/Retrofit	\$15,000
Graham	38-2014-805	Agricultural Water Supply/Reuse Pond	\$15,000
Graham	38-2014-806	Agricultural Pond Sediment Removal	\$5,000
Graham	38-2014-807	Agricultural Pond Sediment Removal	\$5,000
Greene	40-2014-801	Agricultural Water Supply/Reuse Pond	\$22,500
Guilford	41-2014-801	Agricultural Water Supply/Reuse Pond	\$15,000
Haywood	44-2014-801	Agricultural Water Supply/Reuse Pond	\$22,500
Haywood	44-2014-802	Streamside Pickup	\$2,843
Henderson	45-2014-801	Agricultural Water Supply/Reuse Pond	\$15,000

Appendix A: A. Total number and value of PY2014 contracts by county

County	Contract Number	Best Management Practice	Amount
Henderson	45-2014-802	Agriculture Pond Repair/Retrofit	\$10,000
Henderson	45-2014-802	Agricultural Pond Sediment Removal	\$5,000
Henderson	45-2014-803	Agricultural Pond Sediment Removal	\$5,000
Henderson	45-2014-804	Agricultural Pond Sediment Removal	\$5,000
Hertford	46-2014-800	Agricultural Pond Sediment Removal	\$6,000
Hertford	46-2014-802	Agriculture Pond Repair/Retrofit	\$15,000
Hertford	46-2014-803	Agricultural Pond Sediment Removal	\$5,000
Hertford	46-2014-804	Agricultural Pond Sediment Removal	\$5,000
Jackson	50-2014-801	Streamside Pickup	\$2,827
Johnston	51-2014-801	Agriculture Pond Repair/Retrofit	\$22,500
Lincoln	55-2014-807	Agricultural Water Supply/Reuse Pond	\$1,500
Lincoln	55-2014-808	Agriculture Pond Repair/Retrofit	\$15,000
Macon	56-2014-801	Agricultural Water Supply/Reuse Pond	\$15,000
Madison	57-2014-804	Micro-Irrigation System	\$6,900
Madison	57-2014-805	Agricultural Pond Sediment Removal	\$5,000
Madison	57-2014-806	Streamside Pickup	\$7,300
Mitchell	61-2014-010	Agricultural Pond Sediment Removal	\$5,000
Mitchell	61-2014-011	Agricultural Water Supply/Reuse Pond	\$15,000
Moore	63-2014-009	Agricultural Pond Sediment Removal	\$3,000
Moore	63-2014-018	Agricultural Pond Sediment Removal	\$3,000
Moore	63-2014-019	Agricultural Pond Sediment Removal	\$3,000
Moore	63-2014-021	Agricultural Pond Sediment Removal	\$3,000
Moore	63-2014-022	Agricultural Water Supply/Reuse Pond	\$15,000
Moore	63-2014-023	Agricultural Water Supply/Reuse Pond	\$15,000
Moore	63-2014-817	Agricultural Pond Sediment Removal	\$3,000
Onslow	67-2014-801	Agricultural Water Supply/Reuse Pond	\$15,000
Orange	68-2014-801	Agricultural Water Supply/Reuse Pond	\$27,000
Orange	68-2014-802	Agricultural Water Supply/Reuse Pond	\$22,500
Pitt	74-2014-501	Agricultural Water Supply/Reuse Pond	\$22,500
Polk	75-2014-802	Agricultural Water Supply/Reuse Pond	\$18,000
Randolph	76-2014-801	Agricultural Water Supply/Reuse Pond	\$7,500
Stanly	84-2014-801	Agricultural Water Supply/Reuse Pond	\$15,000
Swain	87-2014-192	Micro-Irrigation	\$11,000
Swain	87-2014-194	Streamside Pickup	\$8,900
Transylvania	88-2014-801	Agricultural Water Supply/Reuse Pond	\$12,319
Transylvania	88-2014-802	Agricultural Pond Sediment Removal	\$5,000
Wayne	96-2014-801	Agriculture Pond Repair/Retrofit	\$15,000
Wayne	96-2014-801	Agricultural Pond Sediment Removal	\$7,500
Wayne	96-2014-802	Agriculture Pond Repair/Retrofit	\$15,000
Wayne	96-2014-802	Agricultural Pond Sediment Removal	\$7,500
Yadkin	99-2014-008	Agriculture Pond Repair/Retrofit	\$15,000



THE NORTH CAROLINA AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM (AgWRAP)
Fiscal Year 2014 Detailed Implementation Plan
October 1, 2013

Background

The North Carolina Agricultural Water Resources Assistance Program was authorized through Session Law 2011-145, and became effective on July 1, 2011. This program, herein referred to as AgWRAP, was established to assist farmers and landowners in doing any one or more of the following:

- Identify opportunities to increase water use efficiency, availability and storage;
- Implement best management practices (BMPs) to conserve and protect water resources;
- Increase water use efficiency;
- Increase water storage and availability for agricultural purposes.

AgWRAP is administered by the North Carolina Soil and Water Conservation Commission and implemented through local soil and water conservation districts. The commission meets with stakeholders to gather input on AgWRAP's development and administration through the AgWRAP Review Committee. AgWRAP has received the following state appropriations:

- FY2012: \$1,000,000
- FY2013: \$500,000
- FY2014: \$1,000,000; \$500,000 available statewide, \$500,000 limited to counties affected by the Tennessee Valley Authority (TVA) settlement: Avery, Buncombe, Burke, Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Madison, McDowell, Mitchell, Swain, Transylvania, Watauga and Yancey counties.

Up to 15% of these funds can be used by the Division of Soil and Water Conservation and districts to provide technical and engineering assistance, and to administer the program.

Fiscal Year 2014 Allocation Strategy

State Allocation

The Commission will allocate all FY2014 funding through a competitive regional application process for selected program practices including: new ponds, pond repair/retrofits, pond sediment removal and a potential new practice of streamside pickups based on the spring development standard. \$425,000 will be available for these practices.

The regions, as depicted in Figure 1, will be eligible to receive 1/3 of the available funds (\$141,667 per region), and projects will be approved using the same ranking criteria for each region. Should a region not have sufficient applications to fund, the commission will allocate the remaining funds by approving applications in other regions.

Figure 1: Regions for AgWRAP allocations



TVA Eligible Districts Allocation

The Commission will allocate all PY2014 funding through a competitive application process for selected program practices including: new ponds, pond repair/retrofits, pond sediment removal and a potential new practice of streamside pickups based on the spring development standard, conservation irrigation conversion and micro-irrigation systems. \$425,000 will be available for these practices. Eligible counties, include Avery, Buncombe, Burke, Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Madison, McDowell, Mitchell, Swain, Transylvania, Watauga and Yancey counties.

All approved applications, regardless of funding source, must have a completed conservation plan prior to the district requesting design assistance from division engineering staff.

Program Guidelines

AgWRAP will be implemented using a pilot approach for this third year, while rule drafting is underway.

The agricultural water definition, from Protecting Agriculture Water Resources in North Carolina Strategic Plan (February 2011) will be used to determine eligibility for AgWRAP.

Agricultural water is considered to be any water on farms, from surface or subsurface sources, that is used in the production, maintenance, protection or on-farm preparation or treatment of agriculture commodities or products as necessary to grow and/or prepare them for on-farm use or transfer into any form of trade as is normally done with agricultural plant or animal commerce. This expressly includes any on-farm cleaning or processing to make the agricultural product ready for sale or other transfer to any consumer in a usable form. It does not include water used in the manufacture or extended processing of plants or animals or their products when the processor is not the grower or producer and/or is beyond the first handler of the farm product.

All eligible operations must have been in existence for more than one year, and expansions to existing operations are eligible for the program.

The percent cost share for all BMPs is 75%. Limited resource and beginning farmers and farmers enrolled in Enhanced Voluntary Agriculture Districts are eligible to receive 90% cost share. The contract maintenance period of the majority of practices is 10 years.

Appendix C: Detailed Implementation Plan

Soil and water conservation districts can adopt additional guidelines for the program as they implement AgWRAP locally.

Fiscal Year 2014 Annual Goals

- I. Conduct a competitive regional allocation process for selected AgWRAP BMPs.
 - a. Fund projects in each of the division's regions: western, central and eastern.
 - b. Distribute funding for BMPs among the following agricultural sectors identified in the Protecting Agriculture Water Resources in North Carolina Strategic Plan (February 2011): aquaculture, field crops, forestry, fruit and vegetable, green industry, livestock and poultry (and forages and drinking water for same).
- II. Implement Job Approval Authority Process for AgWRAP BMPs
 - a. Expand job approval categories for investigations and evaluations.
 - b. Provide training for district employees to earn job approval.
 - c. Maintain the job approval database.
- III. Conduct training for districts
 - a. Continue to train districts on the program.
 - b. Provide technical training for the required skills to plan and implement approved AgWRAP BMPs.
 - c. Maintain the AgWRAP website (<http://www.ncagr.gov/swc/agwrap.htm>) with all relevant information.

Best Management Practices

(1) Agricultural water supply/reuse pond: Constructing agricultural ponds for water supply for irrigation or livestock watering. Benefits may include water supply, erosion control, flood control, and sediment and nutrient reductions from farm fields. The minimum life expectancy is 10 years. *This practice is eligible for State and TVA allocations.*

(2) Agricultural pond sediment removal: Remove sediment from existing agricultural ponds to increase water storage capacity. Benefits may include water supply, erosion control, flood control, and sediment and nutrient reductions from farm fields. The minimum life expectancy is 1 year. Cooperators are ineligible to reapply for assistance for this practice for a period of 10 years; unless the sedimentation is occurring due to no fault of the cooperator. *This practice is eligible for State and TVA allocations.*

(3) Agricultural pond repair/retrofit: Repair or retrofit of existing agricultural pond systems. Benefits may include water supply, erosion control, flood control, and sediment and nutrient reductions from farm fields. The minimum life expectancy is 10 years. *This practice is eligible for State and TVA allocations.*

(4) Conservation Irrigation Conversion: Modifies an existing overhead spray irrigation system to increase the efficiency and uniformity of irrigation water application. The minimum life expectancy is 10 years. *This practice is eligible for TVA allocation only.*

Appendix C: Detailed Implementation Plan

(5) Micro-irrigation System: An environmentally safe system for the conveyance and distribution of water, chemicals and fertilizer to agricultural fields for crop production. A micro-irrigation system is for frequent application of small quantities of water on or below the soil surface: as drops, tiny streams or miniature spray through emitters or applicators placed along a water delivery line. This practice may be applied as part of a conservation management system to efficiently and uniformly apply irrigation water and maintain soil moisture for plant growth. The minimum life expectancy is 10 years. *This practice is eligible for TVA allocation only.*

Additional practices may be approved by the Soil and Water Conservation Commission and introduced during the program year through an amendment to this plan.

**NC AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM
WATER QUANTITY IMPROVEMENT/PROTECTION PURPOSES OF APPROVED BMPs**

BMP	Gallons of agricultural water storage increase	Gallons of agricultural water storage protected	Acres irrigated or number of animals watered	Life of BMP (yrs.)
Agricultural water supply/reuse pond	√	-	√	10
Agricultural pond repair/retrofit	√	√	√	10
Agricultural pond sediment removal	√	√	-	1
Conservation irrigation conversion	-	-	-	10
Micro-irrigation system		-	-	10
Well	-	-	√	10

Appendix E

**NC AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM
SPOT CHECK REPORT SUMMARY PY2014**

DISTRICTS	PARTICIPATING SUPERVISORS	VISITS	Total # CPOs	PERCENT VISITED	IN COMPLIANCE	OUT OF COMPLIANCE	MAINTENANCE NEEDED
ALAMANCE	4	1	1	100.0%	1	0	0
ALEXANDER	0	0	0	0.0%	0	0	0
ALLEGHANY	4	1	1	100.0%	1	0	0
ANSON (BROWN CREEK)	0	0	0	0.0%	0	0	0
ASHE (NEW RIVER)	4	1	1	100.0%	1	0	0
AVERY	0	0	0	0.0%	0	0	0
BEAUFORT	5	1	1	100.0%	1	0	0
BERTIE	1	1	4	25.0%	1	0	0
BLADEN	0	0	0	0.0%	0	0	0
BRUNSWICK	0	0	0	0.0%	0	0	0
BUNCOMBE	1	1	1	100.0%	1	0	0
BURKE	0	0	0	0.0%	0	0	0
CABARRUS	1	1	1	100.0%	1	0	0
CALDWELL	0	0	0	0.0%	0	0	0
CAMDEN (ALBEMARLE)	0	0	0	0.0%	0	0	0
CARTERET	0	0	0	0.0%	0	0	0
CASWELL	1	1	1	100.0%	1	0	0
CATAWBA	3	1	1	100.0%	1	0	0
CHATHAM	0	0	0	0.0%	0	0	0
CHEROKEE	0	0	0	0.0%	0	0	0
CHOWAN (ALBEMARLE)	0	0	0	0.0%	0	0	0
CLAY	0	0	0	0.0%	0	0	0
CLEVELAND	3	1	2	50.0%	1	0	0
COLUMBUS	0	0	0	0.0%	0	0	0
CRAVEN	0	0	0	0.0%	0	0	0
CUMBERLAND	0	0	0	0.0%	0	0	0
CURRITUCK (ALBEMARLE)	0	0	0	0.0%	0	0	0
DAVIDSON	2	1	1	100.0%	1	0	0
DAVIE	0	0	0	0.0%	0	0	0
DUPLIN	1	1	5	20.0%	1	0	0
DURHAM	3	1	2	50.0%	1	0	0
EDGECOMBE	2	1	1	100.0%	1	0	0
FORSYTH	0	0	0	0.0%	0	0	0
FRANKLIN	0	0	0	0.0%	0	0	0
GASTON	2	1	11	9.1%	1	0	0
GATES	0	0	0	0.0%	0	0	0
GRAHAM	0	0	0	0.0%	0	0	0
GRANVILLE	2	1	1	100.0%	1	0	0
GREENE	0	0	0	0.0%	0	0	0
GUILFORD	4	2	2	100.0%	2	0	0
HALIFAX (FISHING CREEK)	0	0	0	0.0%	0	0	0
HARNETT	3	1	2	50.0%	1	0	0
HAYWOOD	2	1	1	100.0%	1	0	0
HENDERSON	2	1	1	100.0%	1	0	0
HERTFORD	1	1	1	100.0%	1	0	0
HOKE	0	0	0	0.0%	0	0	0
HYDE	0	0	0	0.0%	0	0	0
IREDELL	0	0	0	0.0%	0	0	0
JACKSON	0	0	0	0.0%	0	0	0
JOHNSTON	4	1	3	1.0%	1	0	0
JONES	0	0	0	0.0%	0	0	0
LEE	0	0	0	0.0%	0	0	0

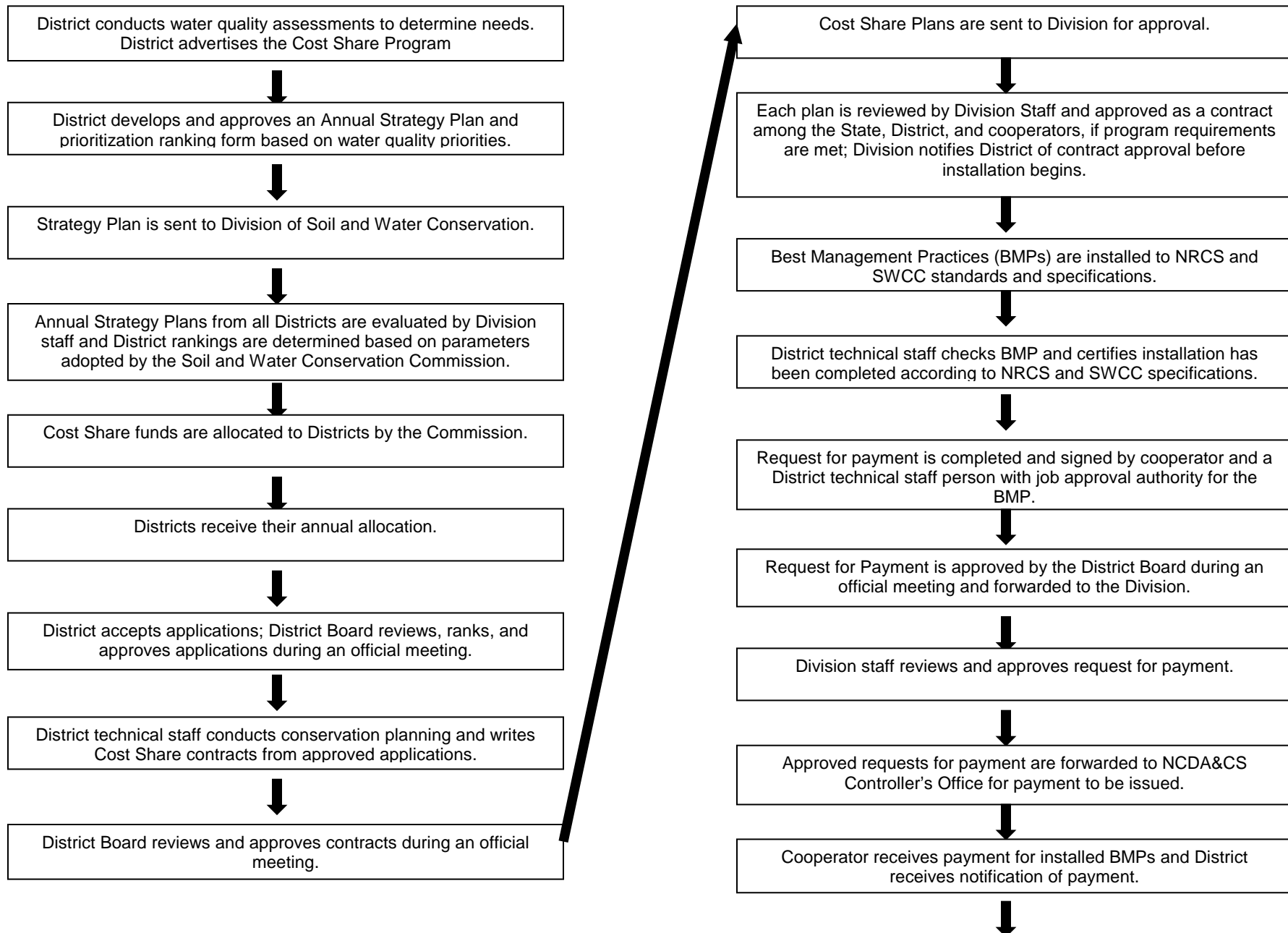
Appendix E

**NC AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM
SPOT CHECK REPORT SUMMARY PY2014**

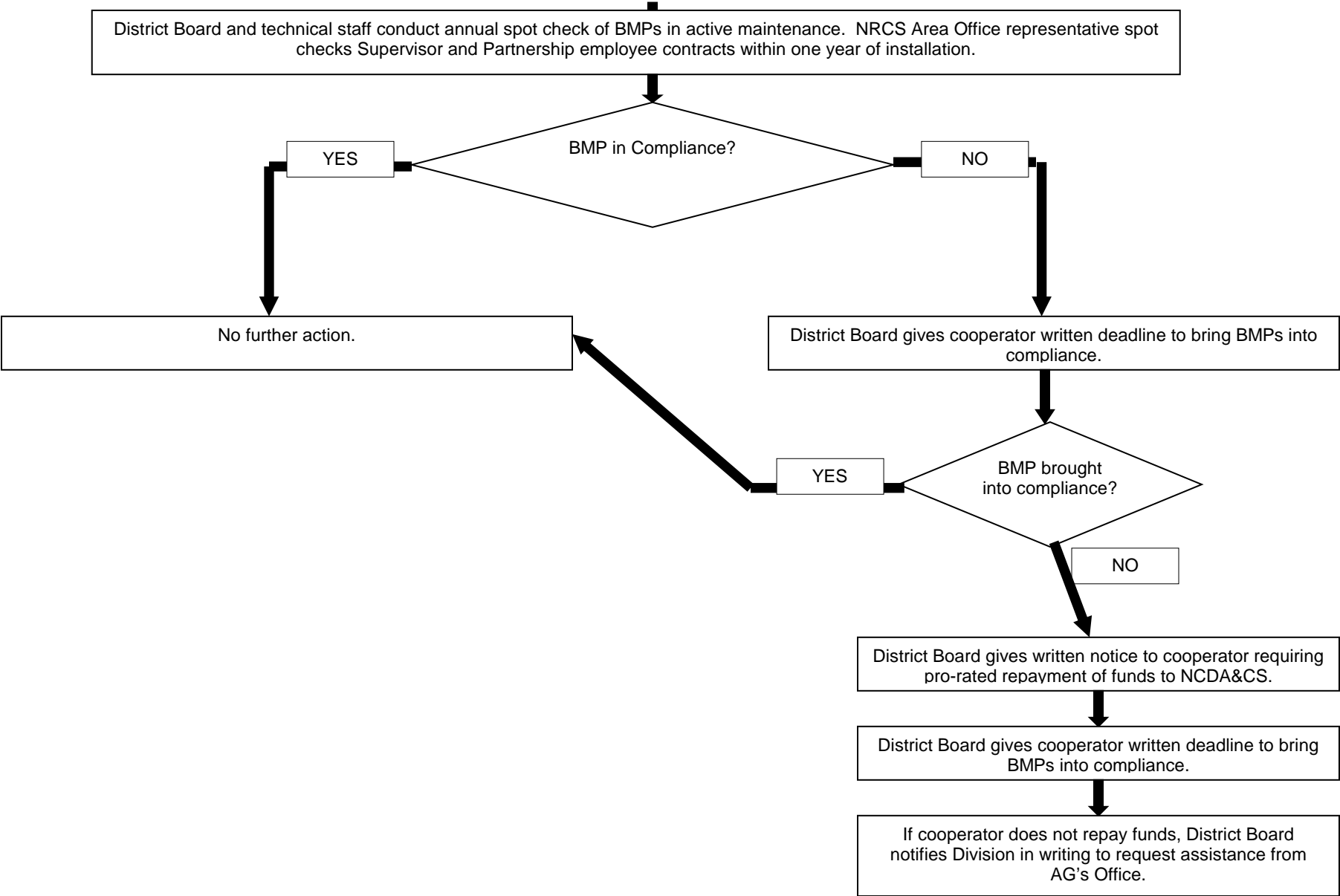
DISTRICTS	PARTICIPATING SUPERVISORS	VISITS	Total # CPOs	PERCENT VISITED	IN COMPLIANCE	OUT OF COMPLIANCE	MAINTENANCE NEEDED
LENOIR	2	2	2	100.0%	2	0	0
LINCOLN	3	3	5	60.0%	3	0	3
MACON	1	1	1	100.0%	1	0	0
MADISON	2	1	1	100.0%	1	0	0
MARTIN	0	0	0	0.0%	0	0	0
MCDOWELL	0	0	0	0.0%	0	0	0
MECKLENBURG	3	1	6	16.7%	1	0	0
MITCHELL	2	1	2	50.0%	1	0	0
MONTGOMERY	0	0	0	0.0%	0	0	0
MOORE	1	1	2	50.0%	1	0	0
NASH	4	1	2	50.0%	1	0	0
NEW HANOVER	0	0	0	0.0%	0	0	0
NORTHAMPTON	0	0	0	0.0%	0	0	0
ONslow	0	0	0	0.0%	0	0	0
ORANGE	1	1	1	100.0%	1	0	0
PAMLICO	0	0	0	0.0%	0	0	0
PASQUOTANK (ALBEMARLE)	4	1	1	100.0%	1	0	0
PENDER	0	0	0	0.0%	0	0	0
PERQUIMANS (ALBEMARLE)	0	0	0	0.0%	0	0	0
PERSON	0	0	0	0.0%	0	0	0
PITT	2	1	1	100.0%	1	0	0
POLK	0	0	0	0.0%	0	0	0
RANDOLPH	0	0	0	0.0%	0	0	0
RICHMOND	2	1	2	50.0%	1	0	0
ROBESON	2	1	2	50.0%	1	0	0
ROCKINGHAM	2	1	1	100.0%	1	0	0
ROWAN	1	1	1	100.0%	1	0	0
RUTHERFORD	0	0	0	0.0%	0	0	0
SAMPSON	4	2	8	25.0%	2	0	0
SCOTLAND	0	0	0	0.0%	0	0	0
STANLY	0	0	0	0.0%	0	0	0
STOKES	5	1	1	100.0%	1	0	0
SURRY	4	1	1	100.0%	1	0	0
SWAIN	4	1	1	100.0%	1	0	0
TRANSYLVANIA	0	0	0	0.0%	0	0	0
TYRRELL	0	0	0	0.0%	0	0	0
UNION	1	1	2	50.0%	1	0	0
VANCE	0	0	0	0.0%	0	0	0
WAKE	4	1	2	50.0%	1	0	0
WARREN	1	1	1	100.0%	1	0	0
WASHINGTON	0	0	0	0.0%	0	0	0
WATAUGA	0	0	0	0.0%	0	0	0
WAYNE	1	1	2	50.0%	1	0	0
WILKES	5	1	1	100.0%	1	0	0
WILSON	5	1	1	100.0%	1	0	0
YADKIN	4	2	2	100.0%	2	0	0
YANCEY	1	1	4	25.0%	1	0	0
TOTALS	126	55	101	54.5%	55	0	3
					100.0%	0.0%	5.5%

Appendix F: Funding and Compliance Process

Cost Share Program Funding and Compliance Process



Appendix F: Funding and Compliance Process



AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM
Pictures of selected practices



Irrigation well



Agricultural water supply/reuse pond



Agricultural pond sediment removal