



AgWRAP IRRIGATION INVENTORY and EVALUATION FORM

Agricultural Pond Repair/Retrofit



COOPERATOR INFORMATION

First Name

Last name

Street Address

City

County of Pond Site

Tract - Field

Pond Site Coordinates (decimal degrees):

LAT LONG

Type of operation:

- Row Crop
- Specialty Crop (Fruits, Vegetables, Herbs)
- Green Industry (Greenhouse, Nursery, Floriculture, Turf Crops)
- Hay/Pasture
- Other, specify:

COOPERATOR OBJECTIVE

Provide a detailed explanation of the Cooperator's objectives as they relate to irrigation.

How will a Agricultural Water Supply/Reuse Pond be used to meet the Cooperators objectives?

IRRIGATION MANAGEMENT - EXISTING

Information in this section should reflect the EXISTING cropping systems, acreages and irrigation management

Existing water sources on site

<input type="checkbox"/> Pond/Lake	<input type="checkbox"/> Well	<input type="checkbox"/> Other: <input style="width: 200px;" type="text"/>
<input type="checkbox"/> Stream/River	<input type="checkbox"/> Municipal	
<input type="checkbox"/> Ditch	<input type="checkbox"/> NONE	

Does the cooperators currently irrigate any crops?

YES NO

If no, skip to the next section *Irrigation Management - Planned*

Number of years irrigated in the last five years:

Does the cooperators have an Irrigation Water Management Plan? YES NO

Cropping history:

Crop	Non-irrigated		Irrigated		Total Acres
	Acres	Avg. Yield	Acres	Avg. Yield	

Type of existing irrigation system

<input type="checkbox"/> Center Pivot	<input type="checkbox"/> Fixed Solid Set	<input type="checkbox"/> Other: <input style="width: 200px;" type="text"/>
<input type="checkbox"/> Linear Move	<input type="checkbox"/> Micro-irrigation	
<input type="checkbox"/> Travelling Gun	<input type="checkbox"/> Subsurface	

Current power source

<input type="checkbox"/> Electric	<input type="checkbox"/> Diesel	<input type="checkbox"/> Other: <input style="width: 200px;" type="text"/>
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Estimated volume of water used to irrigate crops (AF)

(Provided by the cooperators or calculated using the AgWRAP Water Balance Tool)

List existing conservation practices

IRRIGATION MANAGEMENT - PLANNED

Information in this section should reflect the PLANNED cropping systems, acreages and irrigation management

Specify the crops and TOTAL acres the cooperator plans to irrigate (existing + expansion)

Field	Crop to irrigate	Irrigated Acres

Type of planned irrigation system

Center Pivot

Fixed Solid Set

Other:

Linear Move

Micro-irrigation

Travelling Gun

Subsurface

Power source

Electric

Diesel

Other:

Estimated volume of water that will be used to irrigate planned crops (AF)

(Provided by the cooperator or calculated using the AgWRAP Water Balance Tool)

List additional and alternative practices that will be planned to address irrigation management concerns

SITE CHARACTERISTICS - PROPOSED POND

The values in this section are based on a proposed pond site and simple measurements. These values are intended to provide a rough estimate of pond site characteristics and are subject to change when a more detailed site investigation is conducted.

Type of Pond: Excavated

Embankment

Combination

Watershed Drainage Area (ac)

Calculate Watershed Drainage Area using GIS or <https://streamstats.usgs.gov/ss/>

Pond Surface Area (ac)

Pond Volume (ac-ft)

Pond volume = Pond Surface Area X Max. Water Depth*
*If actual depth is unknown use 8 ft as an estimate

SOIL SUITABILITIES AND LIMITATIONS

List the predominant soil(s) present in and around the pond impoundment area*:

Map Unit Symbol	Map Unit Name	Pond Reservoir Area Rating	Embankments, Dikes, Levees Rating

*This information can be determined using USDA NRCS Web Soil Survey (<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>).

Web Soil Survey Procedure - Navigate to pond site >> *Define AOI* that includes pond reservoir and surrounding area>> Open *Soil Data Explorer* tab>> Open *Water Management* drop down>> Open *Pond Reservoir Areas* drop down>> Keep the default *Options* checked>> Click *View Ratings*>> Enter appropriate Map Units and Ratings above>> Repeat the last four steps to determine Embankments, Dikes and Levees ratings.

Is there an adequate place onsite to place spoil?

YES

NO

NA

ADDITIONAL INFORMATION

Provide any additional information in the space below

TECHNICAL REPRESENTATIVE

Name

Agency

Date

Signature

Date