



# AgWRAP LIVESTOCK WATERING INVENTORY and EVALUATION FORM

Repair/Retrofit and Water Supply/Reuse Ponds



## COOPERATOR INFORMATION

First Name

Last name

Street Address

City

County of Pond Site

Tract - Field

Pond Site Coordinates (decimal degrees):

LAT  LONG

Type of livestock:

 Beef Dairy Swine Poultry Equine Goat/Sheep Other, specify:

Type of operation:

## COOPERATOR OBJECTIVE

Provide a detailed explanation of the Cooperator's objectives as they relate to livestock water management.

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

## LIVESTOCK WATER MANAGEMENT - EXISTING

Information in this section should reflect the EXISTING livestock and water management

Existing water sources on site

- Pond/Lake  
 Stream/River  
 Ditch

- Well  
 Municipal  
 NONE

Other:

**Does the cooperator currently use water for livestock management?**

YES

NO

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

Does the cooperator have a livestock Water Management Plan?

YES

NO

Type of Livestock	Type of operation	Number of livestock

How is water currently being used in the operation?

Current power source

Electric

Diesel

Other:

Are there existing watering facilities and pipeline?

YES

NO

Type of watering facilities:

Estimated volume of water used (AF)

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

List existing conservation practices

## LIVESTOCK WATER MANAGEMENT - PLANNED

Information in this section should reflect the PROPOSED livestock and water management

Specify the type of livestock and TOTAL number (existing + expansion)

Type of Livestock	Type of operation	Number of livestock

How will the water be used in the operation?

Planned Power source

Electric

Diesel

Other:

Estimated volume of water that will be used (AF)

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

List additional and alternative practices that will be planned to address livestock watering 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