AgWRAP LIVESTOCK WATERING INVENTORY and EVALUATION FORM

Agricultural Pond Repair/Retrofit

AgWRAP Agricultural Water Resources Assistance Program

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 explanantion 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 ☐ Well ☐ Other: _____

☐ Stream/River ☐ Municipal

☐ Ditch ☐ NONE

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 th AgWRAP Water Balance Tool)

List exisiting 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 th 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 unknkown 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	Embankements, 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