AgWRAP LIVESTOCK WATERING INVENTORY and EVALUATION FORM

Repair/Retrofit and Water Supply/Reuse Ponds

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: _____

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)

AgWRAP Water Balance Tool -> Summary Sheet -> Demand -> Total AF

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* X Reduction Factor**

*If actual depth is unknown use 8 ft as an estimate.

**Excavated/Dug pond - Reduction Factor = 0.7

**Embankment/dam pond - Reduction Factor = 0.4

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