



AgWRAP SITE ASSESSMENT FORM



Agricultural Pond REPAIR/RETROFIT

This site assessment does NOT constitute a formal soil or geologic investigation or a pond design, and should not be used for construction. The information on this form represents a preliminary site assessment to evaluate the feasibility of a potential pond repair/retrofit, and assist in determining the priority for engaging engineering services for a more thorough site investigation and design. **This form should be completed by a Division Engineer.**

COOPERATOR INFORMATION	
First Name	Last name
Street Address	City
County of Pond Site Tract - Fie	eld Pond Site Coordinates (decimal degrees):
	LAT LONG
Primary Purpose of Pond: Irrigation	Livestock Watering Other
SITE CHARACTERISTICS	
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) Maximum Water Dep	pth (ft) Pond Volume (ac-ft)
Embankment Height* (ft) Embankment Length	Pond volume = Pond Surface Area X Max. Water Depth X Reduction Factor* *Excavated/Dug pond - Reduction Factor = 0.7
Embankment Height (it)	*Embankment/dam pond - Reduction Factor = 0.4
*Measured from highest point on embankement to lowest point of downstream toe.	
	215
Does the dam appear to be in sound, structural conditional please provide an explanation below.	YES NO

PRINCIPAL SPILLWAY				
Type of Spillway	Material		Spillway Size	
If the spillway is a drop structure specify	size of riser and barrel:			
Riser Pipe Diameter (in) Barre	Pipe Diameter (in)			
Does the principal spillway need to be redescribe why (rusted, collapsed, leaking		YES	NO	
Are there any other concerns regarding Please explain.	the existing primary spillway?	YES	NO	
AUXILLARY SPILLWAY				
Туре	Width			
Is the auxillary spillway eroding? If yes, explanation regarding severity.	olease provide an	YES	NO	
Is the auxillary spillway adequate? If no, for one to be installed.	is there a suitable location	YES	NO	
Are there any other concerns regarding spillway? Please explain.	the existing auxillary	YES	NO	

EMBANKMENT			
Is there evidence of erosion on the embankment? If yes, please provide an explanation regarding location and severity.	YES	NO	
Does the erosion appear to be from overtopping?		NO	
Is there any indication that the pond is leaking? If yes, describe the type, location and severity of the leak.	YES	NO	
Are there any other concerns regarding the existing embankment? Please explain.	YES	NO	
VEGETATION			
Are there trees or large bushes growing on or in close proximity to the embankment? If yes, please describe.	YES	NO	
Are any of the trees larger than 6" in diameter? If yes, approximately how many? YES		NO	
AgWRAP WATER BALANCE			
What percent of demand will be met by this pond? AgWRAP Water Balance Tool -> S	Summary Sheet -> (Ru	noff, AF / Demand Total AF)*100	

SOIL SUITABILITIES AND LIMITATIONS

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

Map Unit Symbol	Map Unit Name	Pond Reser Rating		Embankements, Dikes, Levees Rating
Has a back	hoe soil investigation been comple	ted on this site?	YES	NO
	any geologic or soil features that m oils, shallow soils, shallow bedrock, explain.			YES NO
Is there an	adequate borrow area with in 1/2	mile of the site?	YES	NO NA
Is there an	adequate place onsite to place spo	oil?	YES	NO NA
PERMIT	TING & HAZARD CLASSIFIC	ATION		
Hazard clas	ssification when originally construc	ted:]
Current ha	zard classification:			
If the pond	l is not currently classified, please o	complete the information	on below.	
		Elevation difference from	om hazard	
Distance o	f road/hazard downstream	to floodplain:	7	Culvert/Bridge Dimensions
			J	
Most recer	nt annual average daily traffic coun	ıt		
	maps.arcgis.com/apps/webappviewer/	_	Predicted Hazard Class	sfication

TECHNICAL RECOMMENDATION				
Are there any special design and construction considerations that will significantly increase project costs and potentially impact project implementation? If YES, please provide an explanation below.	I	YES	NO	☐ NA
Please provide any additional information or observations regarding t	the suitability	of this pond rep	pair or retrofit.	
TECHNICAL REPRESENTATIVE				
Name	Agency		Date	
JOB APPROVAL AUTHORITY			L	
Name	Agency			
Signature			Date	