

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Roady Flats Site City/County: Jefferson Sampling Date: 8/29/15
 Applicant/Owner: DOE State: CO Sampling Point: GS10-C
 Investigator(s): Joy Nels Section, Township, Range: T2S, R70W, Sec. 11 (1036)
 Landform (hillslope, terrace, etc.): terrace (old) Local relief (concave, convex, none): convex Slope (%): 1-15
 Subregion (LRR): 6 Lat: 750325.081 Long: 2086697.836 Datum: NAD27
 Soil Map Unit Name: NA NWI classification: NA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Remarks: North side of stream was not disturbed during GS10 Flume replacement project
SAEXI were cut off & has largely come back from their roots. Terrace is 3-5' above

VEGETATION – Use scientific names of plants. Current & previous stream flows.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:
= Total Cover				
Sapling/Shrub Stratum (Plot size: <u>wetland</u>)				OBL species _____ x 1 = _____
1. <u>SAEXI</u>	<u>85</u>	<u>Y</u>	<u>FACW</u>	FACW species _____ x 2 = _____
2. <u>SYOC</u>	<u><1</u>		<u>FAC</u>	FAC species _____ x 3 = _____
3. _____	_____	_____	_____	FACU species _____ x 4 = _____
4. _____	_____	_____	_____	UPL species _____ x 5 = _____
5. _____	_____	_____	_____	Column Totals: _____ (A) _____ (B)
<u>85.25</u> = Total Cover				Prevalence Index = B/A = _____
Herb Stratum (Plot size: <u>wetland</u>)				Hydrophytic Vegetation Indicators:
1. <u>VETHI</u>	<u><1</u>		<u>FACU</u>	<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation
2. <u>BRINI</u>	<u>15</u>	<u>Y</u>	<u>FAC</u>	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%
3. <u>MEARI</u>	<u><1</u>		<u>FACW</u>	<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
4. <u>CYOFI</u>	<u><1</u>		<u>FACU</u>	<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. <u>COCAI</u>	<u><1</u>		<u>UPL</u>	<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹
6. <u>LASEI</u>	<u><1</u>		<u>FACU</u>	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
7. <u>RUCRI</u>	<u><1</u>		<u>FAC</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8. <u>LIARI</u>	<u><1</u>		<u>FAC</u>	
9. <u>OEVII</u>	<u><1</u>		<u>FAC</u>	
10. <u>50 = 10.125</u>	<u>HYPEI</u>	<u><1</u>	<u>FACU</u>	
11. <u>20 = 4.05</u>	<u>AGCAI</u>	<u>3</u>	<u>FAC</u>	
<u>20.25</u> = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
= Total Cover				
% Bare Ground in Herb Stratum <u>3-5</u>				
Remarks: <u><1 = 0.25%</u>				

Wetland Qualitative Revegetation Evaluation Form

Form # _____

Date 8/25/15
 Observer(s) JKN
 Location ID G510-C

Photographs taken today? Y N

Are desired wetland plant species present? Y N

Are there any issues regarding the establishment of the desired wetland species? Explain, if so.

yes - see below

Are the hydrologic conditions appropriate for successful establishment and sustainability of the wetland. If not, describe the problem/issue.

no - There is no wetland hydrology present - the SAEs are reliant on a stream terrace that is 3-5' above the current O.H.W.M.

Woody Plant Counts

Species	Stem Count	Height			Width		
		1	2	3	1	2	3
SAEX1	Too numerous	8'	7'	4'	6'	6'	3'
SYOC1	1	12'			8"		

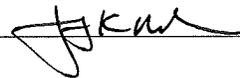
Noxious weed evaluation. See separate noxious weed evaluations conducted throughout the summer months (June – August).

Suggestions for management:

Control weeds as needed.

Other comments:

Completed by:

Date 8/25/15