



Photograph 1: Feature 4105, looking upstream.



Photograph 2: Feature 4105, view of OHWM.



Photograph 1: Feature 4106, looking upstream.



Photograph 2: Feature 4106, view of OHWM.



Photograph 1: Feature 4107, looking downstream.



Photograph 2: Feature 4107, view of OHWM.



Photograph 1: Feature 4108, looking downstream.



Photograph 2: Feature 4108, view of OHWM.



Photograph 1: Feature 4109, looking downstream.



Photograph 2: Feature 4109, view of OHWM.



Photograph 1: Feature 4110, looking upstream.



Photograph 2: Feature 4110, view of OHWM.



Photograph 1: Feature 1079, looking upstream.



Photograph 2: Feature 1079, view of OHWM.



Photograph 1: Feature 4111, looking downstream.



Photograph 2: Feature 4111, view of OHWM.



Photograph 1: Feature 4112, looking downstream.



Photograph 2: Feature 4112, view of OHWM.



Photograph 1: Feature 4113, looking downstream.



Photograph 2: Feature 4113, view of OHWM.



Photograph 1: Feature 2112, looking downstream.



Photograph 2: Feature 2112, view of OHWM.



Photograph 1: Feature 2113, looking downstream.



Photograph 2: Feature 2113, view of OHWM.



Photograph 1: Feature 2114, looking downstream.



Photograph 2: Feature 2114, view of OHWM.



Photograph 1: Feature 2115, looking downstream.



Photograph 2: Feature 2115, view of OHWM.



Photograph 1: Feature 2116, looking downstream.



Photograph 2: Feature 2116, view of OHWM.



Photograph 1: Feature 2117, looking downstream.



Photograph 2: Feature 2117, view of OHWM.



Photograph 1: Feature 2118, looking upstream.



Photograph 2: Feature 2118, view of OHWM.



Photograph 1: Feature 2119, looking downstream.



Photograph 2: Feature 2119, view of OHWM.



Photograph 1: Feature 2120, looking downstream.



Photograph 2: Feature 2120, view of OHWM.



Photograph 1: Feature 2121, looking upstream.



Photograph 2: Feature 2121, view of OHWM.



Photograph 1: Feature 2122, looking downstream.



Photograph 2: Feature 2122, view of OHWM.



Photograph 1: Feature 2123, looking downstream.



Photograph 2: Feature 2123, view of OHWM.



Photograph 1: Feature 2124, looking downstream.



Photograph 2: Feature 2124, view of OHWM.



Photograph 1: Feature 4114, looking upstream.



Photograph 2: Feature 4114, view of OHWM.



Photograph 1: Feature 4115, looking downstream.



Photograph 2: Feature 4115, view of OHWM.



Photograph 1: Feature 4116, looking upstream.



Photograph 2: Feature 4116, view of OHWM.



Photograph 1: Feature 4117, looking upstream.



Photograph 2: Feature 4117, view of OHWM.



Photograph 1: Feature 3063, looking upstream.



Photograph 2: Feature 3063, view of OHWM.



Photograph 1: Feature 3064, looking downstream.



Photograph 2: Feature 3064, view of OHWM.



Photograph 1: Feature 3065, looking upstream.



Photograph 2: Feature 3065, view of OHWM.



Photograph 1: Feature 2125, looking upstream.



Photograph 2: Feature 2125, view of OHWM.



Photograph 1: Feature 2126, looking downstream.



Photograph 2: Feature 2126, view of OHWM.



Photograph 1: Feature 2127, looking downstream.



Photograph 2: Feature 2127, view of OHWM.



Photograph 1: Feature 2128, looking downstream.



Photograph 2: Feature 2128, view of OHWM.



Photograph 1: Feature 2129, looking downstream.



Photograph 2: Feature 2129, view of OHWM.



Photograph 1: Feature 2130, looking downstream.



Photograph 2: Feature 2130, view of OHWM.



Photograph 1: Feature 2131, looking upstream.



Photograph 2: Feature 2131, view of OHWM.



Photograph 1: Feature 2132, looking downstream.



Photograph 2: Feature 2132, view of OHWM.



Photograph 1: Feature 3066, looking upstream.



Photograph 2: Feature 3066, view of OHWM.



Photograph 1: Feature 4118, looking downstream.



Photograph 2: Feature 4118, view of OHWM.



Photograph 1: Feature 4120, looking upstream.



Photograph 2: Feature 4120, view of OHWM.



Photograph 1: Feature 4121, looking upstream.



Photograph 2: Feature 4121, view of OHWM.



Photograph 1: Feature 4122, looking upstream.



Photograph 2: Feature 4122, view of OHWM.



Photograph 1: Feature 4123, looking upstream.



Photograph 2: Feature 4123, view of OHWM.



Photograph 1: Feature 4124, looking upstream.



Photograph 2: Feature 4124, view of OHWM.



Photograph 1: Feature 1080, looking upstream.



Photograph 2: Feature 1080, view of OHWM.



Photograph 1: Feature 2133, looking downstream.



Photograph 2: Feature 2133, view of OHWM.



Photograph 1: Feature 2134, looking downstream.



Photograph 2: Feature 2134, view of OHWM.



Photograph 1: Feature 2135, looking downstream.



Photograph 2: Feature 2135, view of OHWM.



Photograph 1: Feature 2136, looking upstream.



Photograph 2: Feature 2136, view of OHWM.



Photograph 1: Feature 2137, looking downstream.



Photograph 2: Feature 2137, view of OHWM.



Photograph 1: Feature 2138, looking downstream.



Photograph 2: Feature 2138, view of OHWM.



Photograph 1: Feature 2139, looking downstream.



Photograph 2: Feature 2139, view of OHWM.



Photograph 1: Feature 3068, looking downstream.



Photograph 2: Feature 3068, view of OHWM.



Photograph 1: Feature 3069, looking upstream.



Photograph 2: Feature 3069, view of OHWM.



Photograph 1: Feature 3070, looking downstream.



Photograph 2: Feature 3070, view of OHWM.



Photograph 1: Feature 3071, looking downstream.



Photograph 2: Feature 3071, view of OHWM.



Photograph 1: Feature 2140, looking downstream.



Photograph 2: Feature 2140, view of OHWM.



Photograph 1: Feature 1085, looking downstream.



Photograph 2: Feature 1085, view of OHWM.



Photograph 1: Feature 1086, looking downstream.



Photograph 2: Feature 1086, view of OHWM.



Photograph 1: Feature 1081, looking downstream.



Photograph 2: Feature 1081, view of OHWM.



Photograph 1: Feature 1082, looking downstream.



Photograph 2: Feature 1082, view of OHWM.



Photograph 1: View of Feature 1083.



Photograph 2: Feature 1083, view of OHWM.



Photograph 1: Feature 1084, looking downstream.



Photograph 2: Feature 1084, view of OHWM.



Photograph 1: Feature 4125, looking downstream.



Photograph 2: Feature 4125, view of OHWM.



Photograph 1: Feature 4126, looking downstream.



Photograph 2: Feature 4126, view of OHWM.



Photograph 1: Feature 4127, looking downstream.



Photograph 2: Feature 4127, view of OHWM.



Photograph 1: Feature 4128, looking upstream.



Photograph 2: Feature 4128, view of OHWM.



Photograph 1: Feature 4152, looking upstream.



Photograph 2: Feature 4152, view of OHWM.



Photograph 1: Feature 4153, looking downstream.



Photograph 2: Feature 4153, view of OHWM.



Photograph 1: Feature 4129, looking upstream.



Photograph 2: Feature 4129, view of OHWM.



Photograph 1: Feature 4130, looking upstream.



Photograph 2: Feature 4130, view of OHWM.



Photograph 1: Feature 4131, looking upstream.



Photograph 2: Feature 4131, view of OHWM.



Photograph 1: Feature 4132, looking downstream.



Photograph 2: Feature 4132, view of OHWM.



Photograph 1: Feature 4133, looking upstream.



Photograph 2: Feature 4133, view of OHWM.



Photograph 1: Feature 4134, looking downstream.



Photograph 2: Feature 4134, view of OHWM.



Photograph 1: Feature 4135, looking downstream.



Photograph 2: Feature 4135, view of OHWM.



Photograph 1: Feature 4137, looking upstream.



Photograph 2: Feature 4137, view of OHWM.



Photograph 1: Feature 4138, looking downstream.



Photograph 2: Feature 4138, view of OHWM.



Photograph 1: Feature 4139, looking upstream.



Photograph 2: Feature 4139, view of OHWM.



Photograph 1: Feature 4140, looking downstream.



Photograph 2: Feature 4140, view of OHWM.



Photograph 1: Feature 4141, looking upstream.



Photograph 2: Feature 4141, view of OHWM.



Photograph 1: Feature 4142, looking downstream.



Photograph 2: Feature 4142, view of OHWM.



Photograph 1: Feature 4143, looking downstream.



Photograph 2: Feature 4143, view of OHWM.



Photograph 1: Feature 4144, looking downstream.



Photograph 2: Feature 4144, view of OHWM.



Photograph 1: Feature 4145, looking upstream.



Photograph 2: Feature 4145, view of OHWM.



Photograph 1: Feature 1087, looking upstream.



Photograph 2: Feature 1087, view of OHWM.



Photograph 1: Feature 1088, looking upstream.



Photograph 2: Feature 1088, view of OHWM.



Photograph 1: Feature 1089, looking downstream.



Photograph 2: Feature 1089, view of OHWM.



Photograph 1: Feature 2141, looking downstream.



Photograph 2: Feature 2141, view of OHWM.



Photograph 1: Feature 2142, looking downstream.



Photograph 2: Feature 2142, view of OHWM.



Photograph 1: Feature 2143, looking downstream.



Photograph 2: Feature 2143, view of OHWM.



Photograph 1: Feature 2144, looking upstream.



Photograph 2: Feature 2144, view of OHWM.



Photograph 1: Feature 2145, looking downstream.



Photograph 2: Feature 2145, view of OHWM.



Photograph 1: Feature 4146, looking downstream.



Photograph 2: Feature 4146, view of OHWM.



Photograph 1: Feature 3072, looking downstream.



Photograph 2: Feature 3072, view of OHWM.



Photograph 1: Feature 3073, looking downstream.



Photograph 2: Feature 3073, view of OHWM.



Photograph 1: Feature 3074, looking upstream.



Photograph 2: Feature 3074, view of OHWM.



Photograph 1: Feature 3075, looking downstream.



Photograph 2: Feature 3075, view of OHWM.



Photograph 1: Feature 3076, looking downstream.



Photograph 2: Feature 3076, view of OHWM.



Photograph 1: Feature 4147, looking downstream.



Photograph 2: Feature 4147, view of OHWM.



Photograph 1: Feature 4148, looking upstream.



Photograph 2: Feature 4148, view of OHWM.



Photograph 1: Feature 4149, looking upstream.



Photograph 2: Feature 4149, view of OHWM.



Photograph 1: Feature 4150, looking downstream.



Photograph 2: Feature 4150, view of OHWM.



Photograph 1: Feature 4151, looking upstream.



Photograph 2: Feature 4151, view of OHWM.



Photograph 1: Feature 4154, looking upstream.



Photograph 2: Feature 4154, view of OHWM.



Photograph 1: Feature 4155, looking downstream.



Photograph 2: Feature 4155, view of OHWM.



Photograph 1: Feature 4156, looking upstream.



Photograph 2: Feature 4156, view of OHWM.



Photograph 1: Feature 4157, looking downstream.



Photograph 2: Feature 4157, view of OHWM.



Photograph 1: Feature 4158, looking downstream.



Photograph 2: Feature 4158, view of OHWM.



Photograph 1: Feature 4159, looking downstream.



Photograph 2: Feature 4159, view of OHWM.



Photograph 1: Feature 4160, looking downstream.



Photograph 2: Feature 4160, view of OHWM.



Photograph 1: Feature 4161, looking downstream.



Photograph 2: Feature 4161, view of OHWM.



Photograph 1: Feature 4162, looking downstream.



Photograph 2: Feature 4162, view of OHWM.



Photograph 1: Feature 3080, looking downstream.



Photograph 2: Feature 3080, view of OHWM.



Photograph 1: Feature 3081, looking downstream.



Photograph 2: Feature 3081, view of OHWM.



Photograph 1: Feature 3082, looking downstream.



Photograph 2: Feature 3082, view of OHWM.



Photograph 1: Feature 3083, looking upstream.



Photograph 2: Feature 3083, view of OHWM.



Photograph 1: Feature 3084, looking downstream.



Photograph 2: Feature 3084, view of OHWM.



Photograph 1: Feature 3085, looking downstream.



Photograph 2: Feature 3085, view of OHWM.



Photograph 1: Feature 3086, looking downstream.



Photograph 2: Feature 3086, view of OHWM.



Photograph 1: Feature 3087, looking upstream.



Photograph 2: Feature 3087, view of OHWM.



Photograph 1: Feature 3088, looking downstream.



Photograph 2: Feature 3088, view of OHWM.



Photograph 1: Feature 3079, looking downstream.



Photograph 2: Feature 3079, view of OHWM.



Photograph 1: Feature 3089, looking downstream.



Photograph 2: Feature 3089, view of OHWM.



Photograph 1: Feature 3090, looking downstream.



Photograph 2: Feature 3090, view of OHWM.



Photograph 1: Feature 3091, looking downstream.



Photograph 2: Feature 3091, view of OHWM.



Photograph 1: Feature 3092, looking upstream.



Photograph 2: Feature 3092, view of OHWM.



Photograph 1: Feature 2146, looking downstream.



Photograph 2: Feature 2146, view of OHWM.



Photograph 1: Feature 2147, looking downstream.



Photograph 2: Feature 2147, view of OHWM.



Photograph 1: Feature 2148, looking downstream.



Photograph 2: Feature 2148, view of OHWM.



Photograph 1: Feature 2149, looking downstream.



Photograph 2: Feature 2149, view of OHWM.



Photograph 1: Feature 2150, looking downstream.



Photograph 2: Feature 2150, view of OHWM.



Photograph 1: Feature 2151, looking downstream.



Photograph 2: Feature 2151, view of OHWM.



Photograph 1: Feature 2152, looking upstream.



Photograph 2: Feature 2152, view of OHWM.



Photograph 1: Feature 2153, looking downstream.



Photograph 2: Feature 2153, view of OHWM.



Photograph 1: Feature 2154, looking upstream.



Photograph 2: Feature 2154, view of OHWM.



Photograph 1: Feature 2155, looking downstream.



Photograph 2: Feature 2155, view of OHWM.



Photograph 1: Feature 2156, looking downstream.



Photograph 2: Feature 2156, view of OHWM.



Photograph 1: Feature 4163, looking upstream.



Photograph 2: Feature 4163, view of OHWM.



Photograph 1: Feature 4164, looking downstream.



Photograph 2: Feature 4164, view of OHWM.



Photograph 1: Feature 4165, looking upstream.



Photograph 2: Feature 4165, view of OHWM.



Photograph 1: Feature 4166, looking downstream.



Photograph 2: Feature 4166, view of OHWM.



Photograph 1: Feature 4167, looking downstream.



Photograph 2: Feature 4167, view of OHWM.



Photograph 1: Feature 4168, looking downstream.



Photograph 2: Feature 4168, view of OHWM.



Photograph 1: Feature 3096, looking upstream.



Photograph 2: Feature 3096, view of OHWM.



Photograph 1: Feature 3097, looking downstream.



Photograph 2: Feature 3097, view of OHWM.



Photograph 1: Feature 3098, looking downstream.



Photograph 2: Feature 3098, view of OHWM.



Photograph 1: Feature 3099, looking upstream.



Photograph 2: Feature 3099, view of OHWM.



Photograph 1: Feature 3100, looking upstream.



Photograph 2: Feature 3100, view of OHWM.



Photograph 1: Feature 3101, looking upstream.



Photograph 2: Feature 3101, view of OHWM.



Photograph 1: Feature 3102, looking downstream.



Photograph 2: Feature 3102, view of OHWM.



Photograph 1: Feature 3103, looking upstream.



Photograph 2: Feature 3103, view of OHWM.



Photograph 1: Feature 3104, looking downstream.



Photograph 2: Feature 3104, view of OHWM.



Photograph 1: Feature 3093, looking downstream.



Photograph 2: Feature 3093, view of OHWM.



Photograph 1: Feature 3095, looking downstream.



Photograph 2: Feature 3095, view of OHWM.



Photograph 1: Feature 3105, looking upstream.



Photograph 2: Feature 3105, view of OHWM.



Photograph 1: Feature 3106, looking downstream.



Photograph 2: Feature 3106, view of OHWM.



Photograph 1: Feature 3107, looking downstream.



Photograph 2: Feature 3107, view of OHWM.



Photograph 1: Feature 3108, looking upstream.



Photograph 2: Feature 3108, view of OHWM.



Photograph 1: Feature 2157, looking downstream.



Photograph 2: Feature 2157, view of OHWM.



Photograph 1: Feature 2158, looking downstream.



Photograph 2: Feature 2158, view of OHWM.



Photograph 1: Feature 2159, looking downstream.



Photograph 2: Feature 2159, view of OHWM.



Photograph 1: Feature 2160, looking downstream.



Photograph 2: Feature 2160, view of OHWM.



Photograph 1: Feature 2161, looking downstream.



Photograph 2: Feature 2161, view of OHWM.



Photograph 1: Feature 2162, looking downstream.



Photograph 2: Feature 2162, view of OHWM.



Photograph 1: Feature 2163, looking downstream.



Photograph 2: Feature 2163, view of OHWM.



Photograph 1: Feature 2164, looking downstream.



Photograph 2: Feature 2164, view of OHWM.



Photograph 1: Feature 2165, looking upstream.



Photograph 2: Feature 2165, view of OHWM.



Photograph 1: Feature 2166, looking downstream.



Photograph 2: Feature 2166, view of OHWM.



Photograph 1: Feature 2170, looking upstream.



Photograph 2: Feature 2170, view of OHWM.



Photograph 1: Feature 2167, looking downstream.



Photograph 2: Feature 2167, view of OHWM.



Photograph 1: Feature 2168, looking upstream.



Photograph 2: Feature 2168, view of OHWM.



Photograph 1: Feature 2169, looking downstream.



Photograph 2: Feature 2169, view of OHWM.



Photograph 1: Feature 4169, looking downstream.



Photograph 2: Feature 4169, view of OHWM.



Photograph 1: Feature 4170, looking downstream.



Photograph 2: Feature 4170, view of OHWM.



Photograph 1: Feature 4172, looking downstream.



Photograph 2: Feature 4172, view of OHWM.



Photograph 1: Feature 4174, looking downstream.



Photograph 2: Feature 4174, view of OHWM.



Photograph 1: Feature 4175, looking downstream.



Photograph 2: Feature 4175, view of OHWM.



Photograph 1: Feature 4176, looking upstream.



Photograph 2: Feature 4176, view of OHWM.



Photograph 1: Feature 4177, looking downstream.



Photograph 2: Feature 4177, view of OHWM.



Photograph 1: Feature 4178, looking downstream.



Photograph 2: Feature 4178, view of OHWM.



Photograph 1: Feature 4179, looking downstream.



Photograph 2: Feature 4179, view of OHWM.



Photograph 1: Feature 4180, looking downstream.



Photograph 2: Feature 4180, view of OHWM.



Photograph 1: Feature 4171, looking downstream.



Photograph 2: Feature 4171, view of OHWM.



Photograph 1: Feature 4173, looking downstream.



Photograph 2: Feature 4173, view of OHWM.



Photograph 1: Feature 4181, looking downstream.



Photograph 2: Feature 4181, view of OHWM.



Photograph 1: Feature 4182, looking downstream.



Photograph 2: Feature 4182, view of OHWM.



Photograph 1: Feature 4183, looking upstream.



Photograph 2: Feature 4183, view of OHWM.



Photograph 1: Feature 2173, looking downstream.



Photograph 2: Feature 2173, view of OHWM.



Photograph 1: Feature 2174, looking downstream.



Photograph 2: Feature 2174, view of OHWM.



Photograph 1: Feature 2175, looking downstream.



Photograph 2: Feature 2175, view of OHWM.



Photograph 1: Feature 2176, looking downstream.



Photograph 2: Feature 2176, view of OHWM.



Photograph 1: Feature 2177, looking upstream.



Photograph 2: Feature 2177, view of OHWM.



Photograph 1: Feature 2178, looking upstream.



Photograph 2: Feature 2178, view of OHWM.



Photograph 1: Feature 2172, looking downstream.



Photograph 2: Feature 2172, view of OHWM.



Photograph 1: Feature 3109, looking downstream.



Photograph 2: Feature 3109, view of OHWM.



Photograph 1: Feature 4063, looking upstream.



Photograph 2: Feature 4063, view of OHWM.



Photograph 1: Feature 4064, looking upstream.



Photograph 2: Feature 4064, view of OHWM.



Photograph 1: Feature 4065, looking upstream.



Photograph 2: Feature 4065, view of OHWM.



Photograph 1: Feature 4066, looking downstream.



Photograph 2: Feature 4066, view of OHWM.



Photograph 1: Feature 4067, looking downstream.



Photograph 2: Feature 4067, view of OHWM.



Photograph 1: Feature 4068, looking upstream.



Photograph 2: Feature 4068, view of OHWM.



Photograph 1: Feature 4069, looking upstream.



Photograph 2: Feature 4069, view of OHWM.



Photograph 1: Feature 4070, looking upstream.



Photograph 2: Feature 4070, view of OHWM.



Photograph 1: Feature 4071, looking downstream.



Photograph 2: Feature 4071, view of OHWM.



Photograph 1: Feature 4072, looking upstream.



Photograph 2: Feature 4072, view of OHWM.



Photograph 1: Feature 4073, looking downstream.



Photograph 2: Feature 4073, view of OHWM.



Photograph 1: Feature 4074, looking downstream.



Photograph 2: Feature 4074, view of OHWM.



Photograph 1: Feature 4075, looking downstream.



Photograph 2: Feature 4075, view of OHWM.

ATTACHMENT E: WETLAND DELINEATION PHOTOGRAPH LOG

ATTACHMENT E: WETLAND DELINEATION PHOTO LOG



Photograph 1:
Feature ID 2008.
Soil pit number
one. Photo
shows water
table just below
surface of soil
sample.



Photograph 2:
Feature ID 2008.
Soil pit number
one. Photo
shows soil
profile with
saturation and
high organics.



Photograph 3:
Feature ID 2008.
Photo shows
standing water
and biotic crust.



Photograph 4:
Feature ID 2008.
Photo shows salt
crusts.



Photograph 5:
Feature ID 2008.
Photo shows
standing water
and wetland
vegetation.



Photograph 6:
Feature I.D.
2008. Photo
shows wetland
vegetation, biotic
crust and standing
water.



Photograph 7:
Feature ID 2008.
Photo shows
standing water
and water marks
(non-riverine).



Photograph 8:
Feature ID 2008.
Soil pit number
2. Photo shows
absence of
standing water
and vegetation
change.



Photograph 9:
Feature ID 2008.
Soil pit number
two. Photo shows
unsaturated soil
without stratified
layers.

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ATTACHMENT F: WETLAND DELINEATION DATA FORMS

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WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: ELM / MAP 15 City/County: _____ Sampling Date: 4/19/16
 Applicant/Owner: _____ State: CA Sampling Point: 1
 Investigator(s): GINA ROBINSON, ADAM HAMBURG Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): WASH Local relief (concave, convex, none): _____ Slope (%): 6
 Subregion (LRR): _____ Lat: 34°23'25.484"N Long: 117°07'49.087"W Datum: WGS 84
 Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation NO, Soil NO, or Hydrology NO significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation NO, Soil NO, or Hydrology NO 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 _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: <u>GPS DATA</u> <u>HYDRO - POINT 2008: WETLAND SOIL PIT, PIT # 1</u> <u>HYDRO - POLYGON 2008: WETLAND</u>	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>SALIX LAEVIGATA</u>	<u>20</u>	<u>YES</u>	<u>FACW</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>3</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet:
<u>20</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				Total % Cover of: _____ Multiply by: _____
1. <u>SALIX LASIOLEPIS</u>	<u>65</u>	<u>YES</u>	<u>FACW</u>	OBL species <u>70</u> x 1 = <u>70</u>
2. <u>SALIX EXIGUA</u>	<u>10</u>	<u>NO</u>	<u>FACW</u>	FACW species <u>105</u> x 2 = <u>210</u>
3. _____	_____	_____	_____	FAC species _____ x 3 = _____
4. _____	_____	_____	_____	FACU species _____ x 4 = _____
5. _____	_____	_____	_____	UPL species _____ x 5 = _____
<u>75</u> = Total Cover				Column Totals: <u>175</u> (A) <u>280</u> (B)
Herb Stratum (Plot size: _____)				Prevalence Index = B/A = <u>1.6</u>
1. <u>TYHA DOMINGENSIS</u>	<u>70</u>	<u>YES</u>	<u>OBL</u>	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>CAREX PRAEGRACILIS</u>	<u>10</u>	<u>NO</u>	<u>FACW</u>	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
<u>80</u> = Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: _____)				
1. <u>NONE</u>	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
2. _____	_____	_____	_____	
<u>0</u> = Total Cover				
% Bare Ground in Herb Stratum <u>19.9</u> / <u>20</u>	% Cover of Biotic Crust <u>0.1</u>			

Remarks: PHOTOS:
 1) SOIL PIT #1 4) SALT CRUST 7) WATER MARKS NON RIVERINE
 2) SOIL PROFILE #1 5) SURFACE WATER 1 8)
 3) BIOTIC CRUST 6) SURFACE WATER 2

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-2	7.5YR2.5/2	100	NONE	/	/	/	SILTY LOAM	
2-18	2.5Y4/2	100	NONE	/	/	/	SANDY LOAM	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (LRR C)
- 1 cm Muck (A9) (LRR D)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (LRR C)
- 2 cm Muck (A10) (LRR B)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: NONE
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) (Nonriverine)
- Sediment Deposits (B2) (Nonriverine)
- Drift Deposits (B3) (Nonriverine)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) (Riverine)
- Sediment Deposits (B2) (Riverine)
- Drift Deposits (B3) (Riverine)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): 0
 Water Table Present? Yes No Depth (inches): 0
 Saturation Present? Yes No Depth (inches): 0
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: ELM / MAP 15 City/County: _____ Sampling Date: 4/20/16
 Applicant/Owner: _____ State: CA Sampling Point: 2
 Investigator(s): GINA ROBINSON, ADAM HAMBURG Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): TERRACE Local relief (concave, convex, none): Concave Slope (%): 4
 Subregion (LRR): _____ Lat: 34°23'24.570"N Long: 117°07'48.228W Datum: WGS84
 Soil Map Unit Name: _____ NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation No, Soil No, or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation No, Soil No, or Hydrology No 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 _____ Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks: <u>GPS DATA</u> <u>HYDRO-POINT 2008: UPLAND SOIL PIT, PIT #2</u> <u>HYDRO-POLYGON 2008: WETLAND</u>	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>None</u>				Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____				Total Number of Dominant Species Across All Strata: <u>1</u> (B)
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. _____				
	<u>0</u>	= Total Cover		
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:
1. <u>None</u>				Total % Cover of: _____ Multiply by: _____
2. _____				OBL species _____ x 1 = _____
3. _____				FACW species _____ x 2 = _____
4. _____				FAC species <u>90</u> x 3 = <u>270</u>
5. _____				FACU species _____ x 4 = _____
	<u>0</u>	= Total Cover		
Herb Stratum (Plot size: _____)				UPL species _____ x 5 = _____
1. <u>DISTICHLIS SPICATA</u>	<u>90</u>	<u>YES</u>	<u>FAC</u>	Column Totals: <u>90</u> (A) <u>270</u> (B)
2. <u>BROMUS TECTORUM</u>	<u>10</u>	<u>YES</u>	<u>UPL</u>	
3. _____				Prevalence Index = B/A = <u>3</u>
4. _____				Hydrophytic Vegetation Indicators:
5. _____				<input checked="" type="checkbox"/> Dominance Test is >50%
6. _____				<input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹
7. _____				____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
8. _____				____ Problematic Hydrophytic Vegetation ¹ (Explain)
	<u>100</u>	= Total Cover		
Woody Vine Stratum (Plot size: _____)				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>NONE</u>				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
2. _____				
	<u>0</u>	= Total Cover		
% Bare Ground in Herb Stratum <u>0</u>		% Cover of Biotic Crust <u>0</u>		

Remarks: PHOTOS:
8) SOIL PIT #2
9) SOIL PROFIL #2

SOIL

Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-18	7.5YR3/1	100	NONE	/	/	/	LOAMY SAND	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

Indicators for Problematic Hydric Soils³:

- | | | |
|--|---|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) | <input type="checkbox"/> 1 cm Muck (A9) (LRR C) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) | <input type="checkbox"/> 2 cm Muck (A10) (LRR B) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) | <input type="checkbox"/> Reduced Vertic (F18) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Stratified Layers (A5) (LRR C) | <input type="checkbox"/> Depleted Matrix (F3) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> 1 cm Muck (A9) (LRR D) | <input type="checkbox"/> Redox Dark Surface (F6) | |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Dark Surface (F7) | |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Depressions (F8) | |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | <input type="checkbox"/> Vernal Pools (F9) | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | | |

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: NONE
 Depth (inches): _____

Hydric Soil Present? Yes _____ No

Remarks:

NONE

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

Secondary Indicators (2 or more required)

- | | | |
|--|--|--|
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Salt Crust (B11) | <input type="checkbox"/> Water Marks (B1) (Riverine) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Biotic Crust (B12) | <input type="checkbox"/> Sediment Deposits (B2) (Riverine) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Aquatic Invertebrates (B13) | <input type="checkbox"/> Drift Deposits (B3) (Riverine) |
| <input type="checkbox"/> Water Marks (B1) (Nonriverine) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) | <input type="checkbox"/> Drainage Patterns (B10) |
| <input type="checkbox"/> Sediment Deposits (B2) (Nonriverine) | <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) | <input type="checkbox"/> Dry-Season Water Table (C2) |
| <input type="checkbox"/> Drift Deposits (B3) (Nonriverine) | <input type="checkbox"/> Presence of Reduced Iron (C4) | <input type="checkbox"/> Crayfish Burrows (C8) |
| <input type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Thin Muck Surface (C7) | <input type="checkbox"/> Shallow Aquitard (D3) |
| <input type="checkbox"/> Water-Stained Leaves (B9) | <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> FAC-Neutral Test (D5) |

Field Observations:

Surface Water Present? Yes _____ No Depth (inches): _____
 Water Table Present? Yes _____ No Depth (inches): _____
 Saturation Present? Yes _____ No Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes _____ No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: