

APPENDIX I: Nevada Wetland Rapid Assessment Method Data Sheets

Nevada Wetland Rapid Assessment Method (RAM) Data Sheets

Pre-field Survey entry (*) information available from the NV Level 1 Wetland Mapping Tool, "Wet Bar". Verify or correct information during field survey activities. Attach Level 1 Wetland Analysis Toolbar Report to data sheets.

LOCATION AND GENERAL INFORMATION* (Field Manual p. 23, Sec. 2.4.a.)

Point Code: _____ Site Name: _____ Date: _____

Time Start: _____ Time End: _____ Weather: Recent rain/Rain/Snowfall/Snow on ground/No current, recent precip. Air Temp (°C) _____

State Engr Hydrographic Name: _____ HUC 10#: _____ Site Ownership[^]: _____

Surveyors (circle recorder): _____ [^]Federal/state land descriptor

Access Comments (Note permit requirements, changes to driving directions, or difficulties accessing the site):

ASSESSMENT AREA AND GPS COORDINATES* (Field Manual p. 23, Sec. 2.4.b.)

Dimensions of AA:

_____ 40 m radius circle _____ Rectangle: Width _____ Length _____ Area _____

_____ Freeform: Min 10 m wide; Max 200 m long AA-Track #: _____ Freeform area: _____

_____ Entire wetland (Complete AA Representativeness section) AA-Track #: _____

Target Wetland Type: ___ Yes ___ No

AA Representativeness: Is AA the entire wetland? ___ Yes ___ No. IF NO, is AA representative of larger wetland or complex? ___ Yes ___ No
Provide comments. If part of complex, indicate if other HGM or Cowardin classes, or general wetland categories & type are present (**Appendix A, B, C**):

AA GPS Coordinates: AA-Center Waypoint #: _____
(NAD 83) UTM Zone: _____ Easting: _____ Northing: _____
Accuracy (+/-): _____ Elevation (m): _____

AA Photos 40 m radius circle: Take from AA-Center point, looking out in 4 cardinal directions; *ONLY INCLUDE WP/Photo # and Aspect.*

Freeform: Take from 4 points on AA edge looking-in OR Rectangle: From 4 corners, looking diagonal at opposite corner. *INCLUDE UTM's.*

AA-1 WP/Photo #: _____ Aspect: _____ UTM/Easting: _____ Northing: _____

AA-2 WP/Photo #: _____ Aspect: _____ UTM/Easting: _____ Northing: _____

AA-3 WP/Photo #: _____ Aspect: _____ UTM/Easting: _____ Northing: _____

AA-4 WP/Photo #: _____ Aspect: _____ UTM/Easting: _____ Northing: _____

CLASSIFICATION OF ASSESSMENT AREA* (Field Manual p. 26, Sec. 2.4.c./Appendix A, B, & C)

<p>Cowardin Class* <i>Pick one class for the dominant wetland type. If using NV Level 1 Wetland Analysis, populate with National Wetland Inventory Class.</i></p> <p>System: ___ Palustrine ___ Upland</p> <p>Class: ___ Aquatic Bed ___ Emergent ___ Scrub-Shrub ___ Forested ___ Unconsolidated Bottom ___ Unconsolidated Shore</p>	<p>HGM Class*</p> <p>___ Riverine ___ Lacustrine Fringe</p> <p>___ Depressional ___ Slope ___ Flats</p>
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<p>Cowardin Modifiers: Water Regime (helps describe wetland origin)</p> <p>___ Intermittently Flooded/IF ___ Seasonally Flooded/SF</p> <p>___ Temporarily Flooded/TF ___ Semi-Permanently Flooded/SPF</p> <p>___ Saturated/ST ___ Intermittently Exposed/IE</p> <p>___ Seasonally Saturated/SS ___ Permanently Flooded/PF</p>	<p>Cowardin Modifiers: Special (Optional)</p> <p>___ Beaver (b) ___ Farmed (f)</p> <p>___ Excavated (x) + ___ Spoil (s)</p> <p>___ Partially ditched/draind (d) ___ Reservoir (r)</p> <p>___ Diked/Impounded (h) ___ Channel (c)</p> <p>+ Excavated may include restored wetlands ___ Springbox (sb)</p>
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REGION: Great Basin / Eastern Sierra / Mojave **GENERAL WETLAND CATEGORIES FOR NV:** Intermountain Basin Playa, Marshes, Fens, Montane Riparian Ecosystems, Additional Mojave. **Circle appropriate Region & Dominant category from above. List specific Type from Appendix C:**

ASSESSMENT AREA DRAWING, SETTING AND SURROUNDING LANDSCAPE DESCRIPTION (Field Manual p.26, Sec. 2.5)

Include the following, plus a legend.

- | | |
|---|---|
| <input type="checkbox"/> AA Boundary and Center Point | <input type="checkbox"/> Additional site description notes on site hydrology, soil, and vegetation |
| <input type="checkbox"/> North arrow and approx. scale bar | <input type="checkbox"/> Community types and abiotic zones: open water, in/out flows, drainage path |
| <input checked="" type="checkbox"/> Location of soil pit/s | <input type="checkbox"/> Landscape setting: dominant plants; wetland types |
| <input checked="" type="checkbox"/> Photo point locations & GPS waypoint or track #s | <input type="checkbox"/> AA slope cross-sectional diagram (show from N-S & E-W) |
| <input checked="" type="checkbox"/> Water chemistry measurement/s | <input type="checkbox"/> Structures or other human-made features (including roads/paths) |
| <input checked="" type="checkbox"/> GPS waypoint #/s | |
| <input type="checkbox"/> Dominant vegetation types & community types (note if user opted to take a GPS track around the community type, or another method to outline those types) | |

SOIL PROFILE DESCRIPTION – SOIL PIT 1 <input type="checkbox"/> Representative Pit? (Field Manual p. 27, Sec. 2.6/ Appendices D & E)							
SP GPS WP#: _____ (NAD 83) UTM Zone: _____ Easting: _____ Northing: _____				IF NO FREE-STANDING WATER observed: <input type="checkbox"/> Pit filling slowly OR <input type="checkbox"/> Pit appears dry			
Water Settling Time (s): _____ Depth to saturated soil (cm): _____ Depth to free water (cm): _____ Temp (°C) _____ pH _____ EC (dS/m) _____ DO (ppm) _____							
<u>Horizon Depth</u> (cm)	<u>Matrix</u> Color (moist)	<u>Dominant Redox Features</u> Color (moist)	<u>Texture</u> Observed	<u>Texture</u> Appendix D	<u>Roots</u> Observed	<u>Gravel</u> Observed	<u>Notes</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
Dominant Redox, Roots and Gravel Amounts Observed qualitative descriptor choices = None / Very Few / Few / Many							
Hydric Soil Indicators: See Appendix E for descriptions. Check all that apply to pit.					Comments:		
<input type="checkbox"/> Histosol (A1)		<input type="checkbox"/> Gleyed Matrix (S4/F2)		<input type="checkbox"/> Surface Salt Crusts			
<input type="checkbox"/> Histic Epipedon (A2/A3)		<input type="checkbox"/> Depleted Matrix (A11/A12/F3)		<input type="checkbox"/> Translocated Salts			
<input type="checkbox"/> Mucky Mineral (S1/F1)		<input type="checkbox"/> Redox Concentrations (S5/F6/F8)					
<input type="checkbox"/> Hydrogen Sulfide Odor (A4)		<input type="checkbox"/> Redox Depletions (S6/F7)					
SOIL PROFILE DESCRIPTION – SOIL PIT 2 <input type="checkbox"/> Representative Pit? 2 or MORE PITS ONLY NEEDED IF GREAT VARIABILITY ACROSS ASSESSMENT AREA							
SP GPS WP#: _____ (NAD 83) UTM Zone: _____ Easting: _____ Northing: _____				IF NO FREE-STANDING WATER observed: <input type="checkbox"/> Pit filling slowly OR <input type="checkbox"/> Pit appears dry			
Water Settling Time (s): _____ Depth to saturated soil (cm): _____ Depth to free water (cm): _____ Temp (°C) _____ pH _____ EC (dS/m) _____ DO (ppm) _____							
<u>Horizon Depth</u> (cm)	<u>Matrix</u> Color (moist)	<u>Dominant Redox Features</u> Color (moist)	<u>Texture</u> Observed	<u>Texture</u> Appendix D	<u>Roots</u> Observed	<u>Gravel</u> Observed	<u>Notes</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
Dominant Redox, Roots and Gravel Amounts Observed qualitative descriptor choices = None / Very Few / Few / Many							
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<input type="checkbox"/> Histosol (A1)		<input type="checkbox"/> Gleyed Matrix (S4/F2)		<input type="checkbox"/> Surface Salt Crusts			
<input type="checkbox"/> Histic Epipedon (A2/A3)		<input type="checkbox"/> Depleted Matrix (A11/A12/F3)		<input type="checkbox"/> Translocated Salts			
<input type="checkbox"/> Mucky Mineral (S1/F1)		<input type="checkbox"/> Redox Concentrations (S5/F6/F8)					
<input type="checkbox"/> Hydrogen Sulfide Odor (A4)		<input type="checkbox"/> Redox Depletions (S6/F7)					

