

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/25/23
 Applicant/Owner: _____ State: _____ Sampling Point: 001
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): depression Local relief (concave, convex, none): convex Slope (%): _____
 Subregion (LRR): _____ Lat: 34.77375 Long: -107.93527 Datum: _____
 Soil Map Unit Name: Qa NWI classification: _____

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 _____ No <u>x</u> | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? | Yes <u>x</u> No _____ | |
| Wetland Hydrology Present? | Yes <u>x</u> No _____ | |
| Remarks: <u>PLAYA IN ALLUVIUM, CLAY BOTTOM, DOMINATED BY ANNUALS,</u> <u>CATTLE TRAMPLED, MUD CRACK,</u> <u>THREE VEGETATED ZONES: 1 = INTERIOR, 2 INTERMEDIATE, 3 OUTER</u> <u>SURROUNDED BY SAND SAGE & BLUE GRAMA</u> | | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|---|------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| Sapling/Shrub Stratum | | | | |
| 1. <u>SAND SAGE</u> | <u>2.5</u> | _____ | _____ | |
| 2. <u>FOUR-WING SALTGRASS</u> | <u>3</u> | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Herb Stratum | | | | Hydrophytic Vegetation Indicators: _____ Dominance Test is >50% _____ Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 1. <u>AROMA (BOOTLOUG SIMPLEX)</u> | <u>100.30</u> | _____ | _____ | |
| 2. <u>SILVERWEED (P. POPEI)</u> | <u>5.2</u> | _____ | _____ | |
| 3. <u>ERIGERON</u> | <u>1</u> | _____ | _____ | |
| 4. <u>ASTAGULUS (VETCH)</u> | <u>10</u> | _____ | _____ | |
| Total Cover: _____ | | | | |
| Woody Vine Stratum | | | | Hydrophytic Vegetation Present? Yes _____ No _____ ¹ Indicators of hydric soil and wetland hydrology must be present. |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |
| Remarks: <u>2,3 BLUE GRAMA</u> <u>5.10</u> <u>2 SUNFLOWER</u> <u>5</u> <u>3 LOW WHOLLYGRASS</u> <u>3</u> <u>2 SNAREWEED (GUTERALEA)</u> <u>2</u> <u>1 GRINDELIA</u> | | | | |

SOIL

Sampling Point: 001

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 | | |
| 1-3 | 10YR 3/1 | 100 | | | | | | |
| 3-16 | 10YR 3/1 | 98 | 7.5 YR 2/4 | 2 | C | PL | Clay | |
| 16-32 | 10YR 3/2 | | | | | | Sand | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ²Location: PL=Pore Lining, RC=Root Channel, M=Matrix.

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

Indicators for Problematic Hydric Soils³:

- ☐ 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)

- ☐ 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.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☒ No _____

Remarks:

SOIL SURFACE CRACKS, SOME ARE DEEP

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ☐ 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 Plowed Soils (C6)
☐ 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)
☐ Thin Muck Surface (C7)
☐ 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): _____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:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/25/23
 Applicant/Owner: _____ State: _____ Sampling Point: 002
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.77257 Long: -107.93295 Datum: _____
 Soil Map Unit Name: Qa NWI classification: _____

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 _____ No <u>X</u> | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? | Yes _____ No <u>X</u> | |
| Wetland Hydrology Present? | Yes <u>X</u> No _____ | |
| Remarks: <u>N. SIDE HEAVILY SLOPED SO NO ZONE 2.</u> <u>ZONE 2 IS MORE BARE GROUND (50-80%).</u> | | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) | | | | | | | | | | | | | | | | |
|---|---------------------|-------------------|------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 2. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 3. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 4. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| Total Cover: _____ | | | | Prevalence Index worksheet: <table border="0"> <tr> <td>Total % Cover of:</td> <td>Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ | |
| Total % Cover of: | Multiply by: | | | | | | | | | | | | | | | | | | | |
| OBL species _____ | x 1 = _____ | | | | | | | | | | | | | | | | | | | |
| FACW species _____ | x 2 = _____ | | | | | | | | | | | | | | | | | | | |
| FAC species _____ | x 3 = _____ | | | | | | | | | | | | | | | | | | | |
| FACU species _____ | x 4 = _____ | | | | | | | | | | | | | | | | | | | |
| UPL species _____ | x 5 = _____ | | | | | | | | | | | | | | | | | | | |
| Column Totals: _____ | (A) _____ (B) _____ | | | | | | | | | | | | | | | | | | | |
| Prevalence Index = B/A = _____ | | | | | | | | | | | | | | | | | | | | |
| Sapling/Shrub Stratum 1. <u>SAND SAGE</u> <u>4, 15</u> 2. _____ 3. _____ 4. _____ 5. _____ Total Cover: _____ | | | | | | | | | | | | | | | | | | | | |
| Herb Stratum 1, 2 1. <u>AMARANTHUS</u> 1 2. <u>EVENING PRIMROSE, WHITE-STEMMED</u> <u>3</u> 1, 2 3. <u>BLUE GRAMA</u> <u>5, 15</u> 1 4. <u>GRINDELIA</u> <u>8</u> 2 5. <u>SCARLET GLOBEMALLOW</u> <u>2</u> 2 6. <u>TOMBLEWEED</u> <u>2</u> 7. _____ 8. _____ Total Cover: _____ | | | | | | | | | | | | | | | | | | | | |
| Woody Vine Stratum 1. _____ 2. _____ Total Cover: _____ | | | | | | | | | | | | | | | | | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | | | | | | | | | | | | | | | | | |
| Remarks: _____ | | | | | | | | | | | | | | | | | | | | |

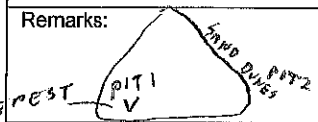
Arid West – Version 11-1-2006

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/25/23
 Applicant/Owner: _____ State: _____ Sampling Point: 003
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.70341 Long: -107.98575 Datum: _____
 Soil Map Unit Name: Qa NWI classification: _____

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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes <u>X</u> No _____ | |
| Wetland Hydrology Present? Yes _____ No _____ | |
| Remarks:  | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
|---|-------------------------------|-------------------|------------------|--|
| 1. _____ | _____ | _____ | _____ | Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) |
| 2. _____ | _____ | _____ | _____ | Total Number of Dominant Species Across All Strata: _____ (B) |
| 3. _____ | _____ | _____ | _____ | Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Sapling/Shrub Stratum | | | | Prevalence Index worksheet: |
| 1. _____ | _____ | _____ | _____ | Total % Cover of: _____ Multiply by: _____ |
| 2. _____ | _____ | _____ | _____ | OBL species _____ x 1 = _____ |
| 3. _____ | _____ | _____ | _____ | FACW species _____ x 2 = _____ |
| 4. _____ | _____ | _____ | _____ | FAC species _____ x 3 = _____ |
| 5. _____ | _____ | _____ | _____ | FACU species _____ x 4 = _____ |
| Total Cover: _____ | | | | UPL species _____ x 5 = _____ |
| | | | | Column Totals: _____ (A) _____ (B) |
| | | | | Prevalence Index = B/A = _____ |
| Herb Stratum | | | | Hydrophytic Vegetation Indicators: |
| 1. <u>CHENOPODIUM INCAE</u> | <u>20</u> | | | ___ Dominance Test is >50% |
| 2. <u>WESTERN WHEATGRASS</u> | <u>20</u> | | | ___ Prevalence Index is ≤3.0 ¹ |
| 3. <u>TUMBLEWEED</u> | <u>5</u> | | | ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 4. <u>AMBROSIA Sp.</u> | <u>20</u> | | | ___ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 5. <u>PIGWEE</u> | | | | |
| 6. _____ | | | | |
| 7. _____ | | | | |
| 8. _____ | | | | |
| Total Cover: _____ | | | | |
| Woody Vine Stratum | | | | |
| 1. _____ | | | | |
| 2. _____ | | | | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum <u>35</u> | % Cover of Biotic Crust _____ | | | Hydrophytic Vegetation Present? Yes _____ No _____ |
| Remarks: <u>Zone 2 on N. & E. side</u> | | | | |

SOIL

Sampling Point: 003

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 | 10YR 4/2 | 100% | - | - | | | Sand | 10 cm |
| 2-10 | 10YR 4/2 | 98% | 2.5YR 5/6 | 2 | C | PL | Clay | |
| 0-8.5 | 10YR 4/3 | 100% | - | - | | | Sand | Regrowth Russian thistle pigweed, redroot |
| 8.5+ | 10YR 4/2 | 98% | 2.5YR 5/4 | 2 | | | Sandy Clay | dock |
| | moisture present | - | 100% @ 100 ft | go to 100 ft | consider | | | ASTRAEULUS |
| | | | to check | out | hydrology | | | milk vetch |

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ²Location: PL=Pore Lining, RC=Root Channel, 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 checked="" 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.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☒ No ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Secondary Indicators (2 or more required)

Primary Indicators (any one indicator is sufficient)

- | | | |
|--|--|--|
| <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"/> Thin Muck Surface (C7) |
| <input checked="" type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Recent Iron Reduction in Plowed Soils (C6) | <input type="checkbox"/> Crayfish Burrows (C8) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Water-Stained Leaves (B9) | | <input type="checkbox"/> Shallow Aquitard (D3) |
| | | <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:

SSC under top sandy layer

34. 77511, -107, 94357

Qa

FRINGE OF WESTERN WHEATGRASS.

SHRUBS ALONG EDGES (3-LEAF SUMAC, NM OLIVE?)

90% BARE GROUND IN INTERIOR, SCATTERED
DEEP CRACKS

BURROWS IN PLAYA, PRAIRIE DOG

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/26/23
 Applicant/Owner: _____ State: _____ Sampling Point: 004
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.77461 Long: -108.15572 Datum: _____
 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 _____, 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 <u>X</u> | No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? | Yes _____ | No <u>X</u> | |
| Wetland Hydrology Present? | Yes <u>X</u> | No _____ | |
| Remarks: <u>COBBLE SIZE VOLCANIC ROCKS</u> | | | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|--|------------------|-------------------|------------------|--|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| Total Cover: _____ | | | | |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Herb Stratum | | | | |
| 1. <u>Phyla nodiflora</u> | <u>50</u> | _____ | _____ | |
| 2. <u>WIMPOD PURSHAE</u> | <u>1</u> | _____ | _____ | |
| 3. <u>JAMES' CASSEYE</u> | <u>1</u> | _____ | _____ | |
| 4. <u>GRAMMA, BLUE</u> | _____ | _____ | _____ | |
| 5. <u>WESTERN WHEAT</u> | _____ | _____ | _____ | |
| 6. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 7. _____ | _____ | _____ | _____ | |
| 8. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Woody Vine Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 2. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum <u>50-80</u> % Cover of Biotic Crust _____ | | | | |
| Remarks: | | | | |

Sampling Point: 004

[illegible]

HYDROLOGY

| Wetland Hydrology Indicators: | | | Secondary Indicators (2 or more required) | |
|--|--|-----------------------|--|--|
| Primary Indicators (any one indicator is sufficient) | | | | |
| <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"/> Thin Muck Surface (C7) | |
| <input checked="" type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Recent Iron Reduction in Plowed Soils (C6) | | <input type="checkbox"/> Crayfish Burrows (C8) | |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks) | | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) | |
| <input type="checkbox"/> Water-Stained Leaves (B9) | | | <input type="checkbox"/> Shallow Aquitard (D3) | |
| | | | <input type="checkbox"/> FAC-Neutral Test (D5) | |
| Field Observations: | | | | |
| Surface Water Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): _____ | | |
| Water Table Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): _____ | | |
| Saturation Present? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Depth (inches): _____ | | |
| (includes capillary fringe) | | | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | | |
| Remarks: | | | | |

WETLAND DETERMINATION DATA FORM – Arid West Region

1004

Project/Site: _____ City/County: _____ Sampling Date: 6/26/23

Applicant/Owner: _____ State: _____ Sampling Point: 005

Investigator(s): _____ Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR): _____ Lat: 34.78818 Long: -108.19821 Datum: _____

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 _____, 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No <u>X</u> | |
| Wetland Hydrology Present? Yes <u>X</u> No _____ | |
| Remarks: <u>SURROUNDED BY PINON & JUNIPER ON SLOPED EDGES</u> <u>VOLCANIC COBBLE & BOULDER THROUGHOUT FLAT BOTTOM BUT LESS</u> <u>ON OUTER EDGES, OUTER RING W/ MORE BARREN SOIL</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|--|------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| Total Cover: _____ | | | | |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Indicators: _____ Dominance Test is >50% _____ Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | Hydrophytic Vegetation Present? Yes _____ No _____ ¹ Indicators of hydric soil and wetland hydrology must be present. |
| Herb Stratum | | | | |
| 1, 21. <u>POGONIT</u> | <u>30</u> | _____ | _____ | |
| 1, 22. <u>PLEIOGONE SPP.</u> | <u>30</u> | _____ | _____ | |
| 1, 23. <u>WESTERN WHEATGRASS</u> | <u>10</u> | _____ | _____ | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 1, 24. <u>BLUE GRAMA</u> | <u>5</u> | _____ | _____ | |
| 1 5. <u>VINE MESQUITE?</u> | <u>3</u> | _____ | _____ | |
| 2 6. <u>KING LUPINE</u> | <u>1</u> | _____ | _____ | |
| 2 7. <u>BROWN SNAKEWEED</u> | <u>4</u> | _____ | _____ | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 8. <u>UNK. GRASS</u> | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Woody Vine Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 2. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum <u>10-25</u> % Cover of Biotic Crust _____ | | | | |
| Remarks: _____ | | | | |

Sampling Point: 005

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

[illegible]

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ²Location: PL=Pore Lining, RC=Root Channel, M=Matrix.

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

- | | |
|--|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Stratified Layers (A5) (LRR C) | <input type="checkbox"/> Depleted Matrix (F3) |
| <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) | |

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.

Restrictive Layer (If present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- | | |
|--|--|
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Salt Crust (B11) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Biotic Crust (B12) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Aquatic Invertebrates (B13) |
| <input type="checkbox"/> Water Marks (B1) (Nonriverine) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) |
| <input type="checkbox"/> Sediment Deposits (B2) (Nonriverine) | <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) |
| <input type="checkbox"/> Drift Deposits (B3) (Nonriverine) | <input type="checkbox"/> Presence of Reduced Iron (C4) |
| <input checked="" type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Recent Iron Reduction in Plowed Soils (C6) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Water-Stained Leaves (B9) | |

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)
- ☐ Thin Muck Surface (C7)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Shallow Aquitard (D3)
- ☐ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No 7 Depth (inches): _____
 Water Table Present? Yes _____ No 7 Depth (inches): _____
 Saturation Present? Yes _____ No 7 Depth (inches): _____
 (includes capillary fringe)

Wetland Hydrology Present? Yes X No

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

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/26/23
 Applicant/Owner: _____ State: _____ Sampling Point: 005
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.77645 Long: -108.19099 Datum: _____
 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 _____, 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 <u>X</u> No _____ Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes <u>X</u> No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Remarks: <u>POBBLE TO BOULDER SIZE VOLCANIC ROCKS</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
|---|------------------|-------------------|------------------|--|
| 1. _____ | _____ | _____ | _____ | Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| Sapling/Shrub Stratum 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ Total Cover: _____ | | | | |
| Herb Stratum 1. <u>ELEOCHARIS</u> 2. <u>RAIGWEEK</u> 3. <u>PROPERAUIT</u> 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ Total Cover: _____ | | | | |
| Woody Vine Stratum 1. _____ 2. _____ Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |
| Remarks: | | | | Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. |
| | | | | Hydrophytic Vegetation Present? Yes _____ No _____ |

Sampling Point: 603

HYDROLOGY

US Army Corps of Engineers

566 - N/A
34.79296 - 108.19788
FILLED, EXCAVATED, DAMMED

549

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/26/23
 Applicant/Owner: _____ State: _____ Sampling Point: 006
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.72433 Long: -108.04456 Datum: _____
 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 _____, 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No _____ | |
| Wetland Hydrology Present? Yes _____ No _____ | |
| Remarks: | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|---|------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| Sapling/Shrub Stratum 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ Total Cover: _____ | | | | |
| Herb Stratum 1. <u>GUMWEED</u> <u>40</u> 2. <u>FLABONE</u> <u>5</u> 3. <u>HORVUM SPOTUM</u> <u>5</u> 4. <u>CIBLD BINDWIND</u> <u>10</u> 5. <u>GLOBE MALLOW</u> <u>2</u> 6. <u>DISTICHLIS ?</u> <u>15</u> 7. <u>DENOTHERA</u> <u>2</u> 8. _____ Total Cover: _____ | | | | |
| Woody Vine Stratum 1. _____ 2. _____ Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |
| Remarks: | | | | |

Sampling Point: 006

HYDROLOGY

Arid West – Version 11-1-2006

543 - DON'T
542 - APPEAR
TO BE
PLAYAS
EITHER

NEAR 643

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/26/23
 Applicant/Owner: _____ State: _____ Sampling Point: 007
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.72152 Long: -108.04567 Datum: _____
 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 _____, 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No _____ | |
| Wetland Hydrology Present? Yes _____ No _____ | |
| Remarks: <u>NOT A PLAYA; SMALL CLOSED BASIN; DEPRESSION ONLY</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|---|------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Herb Stratum | | | | Hydrophytic Vegetation Indicators: _____ Dominance Test is >50% _____ Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 1. <u>BLUE GRAMA</u> | <u>40</u> | _____ | _____ | |
| 2. <u>ERGERON SP.</u> | <u>40</u> | _____ | _____ | |
| 3. <u>ARTEMESIA</u> | _____ | _____ | _____ | |
| 4. <u>STARLET GLOBEMALLOW</u> | <u>5</u> | _____ | _____ | |
| 5. <u>FALSE VERVAIN</u> | _____ | _____ | _____ | ¹ Indicators of hydric soil and wetland hydrology must be present. |
| 6. <u>MYAT GRAMA</u> | _____ | _____ | _____ | |
| 7. _____ | _____ | _____ | _____ | |
| 8. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Woody Vine Stratum | | | | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |
| Remarks: | | | | |

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/27/23
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.08771 Long: -108.90784 Datum: _____
 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 _____, 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No _____ | |
| Wetland Hydrology Present? Yes _____ No _____ | |
| Remarks: <u>FENCED FULLY, EXCEPT OPEN GATE. VERY FANTASTICALLY ROCKY SOUTH SHORE</u> <u>SWALLOW GULLS (1'x1') ON N. SIDE</u> <u>COBBLE SURROUNDING</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|---|------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Herb Stratum | | | | |
| 1. <u>PROSTRATE RICINUS</u> | <u>2</u> | _____ | _____ | |
| 2. <u>SMALL YELLOW COMPOSITE</u> | <u>2</u> | _____ | _____ | |
| 3. <u>SKELETON LEAFWEED</u> | <u>2</u> | _____ | _____ | |
| 4. <u>MEALY GOOSEFOOT</u> | <u>2</u> | _____ | _____ | |
| 5. <u>PROSTRATE VERVAIN</u> | <u>2</u> | _____ | _____ | |
| 6. <u>WHITESTEM EVERING PRIMROSE</u> | <u>2, 1</u> | _____ | _____ | |
| 7. <u>PRODRUIT</u> | <u>2</u> | _____ | _____ | |
| 8. <u>WESTERN WHEAT</u> | <u>2</u> | _____ | _____ | |
| 9. <u>GRASS</u> | _____ | _____ | _____ | |
| Total Cover: <u>1</u> | | | | |
| Woody/Vine Stratum | | | | |
| 1. <u>WHITE WILLOW DOCK</u> | <u>1</u> | _____ | _____ | |
| 2. <u>UNK. TALL AMARANTH</u> | <u>4</u> | _____ | _____ | |
| 3. <u>SCRAMBLED EGGS</u> | _____ | _____ | _____ | |
| 4. <u>POISON SUCCELEA</u> | _____ | _____ | _____ | |
| Total Cover: <u>1</u> | | | | |
| % Bare Ground in Herb Stratum <u>80</u> % Cover of Biotic Crust _____ | | | | |
| Remarks: | | | | |

Sampling Point:

[illegible]

HYDROLOGY

| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) |
|--|---|--|
| Primary Indicators (any one indicator is sufficient) | | |
| <input checked="" type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Salt Crust (B11) | <input type="checkbox"/> Water Marks (B1) (Riverine) |
| <input checked="" 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 checked="" 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"/> Thin Muck Surface (C7) |
| <input checked="" type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Recent Iron Reduction in Plowed Soils (C6) | <input type="checkbox"/> Crayfish Burrows (C8) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Water-Stained Leaves (B9) | | <input type="checkbox"/> Shallow Aquitard (D3) |
| | | <input type="checkbox"/> FAC-Neutral Test (D5) |
| Field Observations: | | |
| Surface Water Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____ | |
| Water Table Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____ | |
| Saturation Present? (includes capillary fringe) | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | |
| Remarks: PEACHED WATER TABLE OVER HEAVY CLAY | | |

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/27/23
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.09918 Long: -108.90123 Datum: _____
 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 _____, 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 <u>X</u> No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No <u>X</u> | |
| Wetland Hydrology Present? Yes <u>X</u> No _____ | |
| Remarks: <u>ZONE 1 HOLDING WATER 80% BARE</u> <u>ZONE 2 50% - 90% BARE</u> <u>- FEW SCATTERED VOLCANIC ROCKS, LOGS, BOULDER.</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) | | | | | | | | | | | | | | | | |
|---|---------------------|-------------------|------------------|---|-------------------|--------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|--------------------|-------------|-------------------|-------------|----------------------|---------------------|--------------------------------|--|
| 1. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 2. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 3. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 4. _____ | _____ | _____ | _____ | Prevalence Index worksheet: <table border="0"> <tr> <td>Total % Cover of:</td> <td>Multiply by:</td> </tr> <tr> <td>OBL species _____</td> <td>x 1 = _____</td> </tr> <tr> <td>FACW species _____</td> <td>x 2 = _____</td> </tr> <tr> <td>FAC species _____</td> <td>x 3 = _____</td> </tr> <tr> <td>FACU species _____</td> <td>x 4 = _____</td> </tr> <tr> <td>UPL species _____</td> <td>x 5 = _____</td> </tr> <tr> <td>Column Totals: _____</td> <td>(A) _____ (B) _____</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = _____</td> </tr> </table> | Total % Cover of: | Multiply by: | OBL species _____ | x 1 = _____ | FACW species _____ | x 2 = _____ | FAC species _____ | x 3 = _____ | FACU species _____ | x 4 = _____ | UPL species _____ | x 5 = _____ | Column Totals: _____ | (A) _____ (B) _____ | Prevalence Index = B/A = _____ | |
| Total % Cover of: | Multiply by: | | | | | | | | | | | | | | | | | | | |
| OBL species _____ | x 1 = _____ | | | | | | | | | | | | | | | | | | | |
| FACW species _____ | x 2 = _____ | | | | | | | | | | | | | | | | | | | |
| FAC species _____ | x 3 = _____ | | | | | | | | | | | | | | | | | | | |
| FACU species _____ | x 4 = _____ | | | | | | | | | | | | | | | | | | | |
| UPL species _____ | x 5 = _____ | | | | | | | | | | | | | | | | | | | |
| Column Totals: _____ | (A) _____ (B) _____ | | | | | | | | | | | | | | | | | | | |
| Prevalence Index = B/A = _____ | | | | | | | | | | | | | | | | | | | | |
| Total Cover: _____ | | | | | | | | | | | | | | | | | | | | |
| Sapling/Shrub Stratum | | | | | | | | | | | | | | | | | | | | |
| 1. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 2. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 3. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 4. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| 5. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| Total Cover: _____ | | | | | | | | | | | | | | | | | | | | |
| Herb Stratum | | | | | | | | | | | | | | | | | | | | |
| 1,2,1. <u>ELEOCHARIS SP.</u> | <u>15, 1</u> | _____ | _____ | Hydrophytic Vegetation Indicators: _____ Dominance Test is >50% _____ Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) | | | | | | | | | | | | | | | | |
| 1,2,3 2. <u>WHITE WILLOW DOCK</u> | <u>5, 1, 1</u> | _____ | _____ | | | | | | | | | | | | | | | | | |
| 1,3 3. <u>AMBROSIA TOMENTOSA</u> | <u>1, 1</u> | _____ | _____ | | | | | | | | | | | | | | | | | |
| 2,3 4. <u>WESTERN WHEAT</u> | <u>2, 30</u> | _____ | _____ | | | | | | | | | | | | | | | | | |
| 2,3 5. <u>SMALL YELLOW COMPOSITE</u> | <u>2, 2</u> | _____ | _____ | | | | | | | | | | | | | | | | | |
| 2,3 6. <u>NEARLY GOOSEFOOT</u> | <u>1, 1</u> | _____ | _____ | | | | | | | | | | | | | | | | | |
| 2 7. <u>UNK GRASS 3 BERMUDAGRASS?</u> | <u>1</u> | _____ | _____ | | | | | | | | | | | | | | | | | |
| 3 8. <u>PROSTRATE VERVAIN</u> | <u>1</u> | _____ | _____ | | | | | | | | | | | | | | | | | |
| Total Cover: _____ | | | | | | | | | | | | | | | | | | | | |
| Woody Vine Stratum | | | | | | | | | | | | | | | | | | | | |
| 1. _____ | _____ | _____ | _____ | ¹ Indicators of hydric soil and wetland hydrology must be present. | | | | | | | | | | | | | | | | |
| 2. _____ | _____ | _____ | _____ | | | | | | | | | | | | | | | | | |
| Total Cover: _____ | | | | | | | | | | | | | | | | | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | Hydrophytic Vegetation Present? Yes _____ No _____ | | | | | | | | | | | | | | | | |
| Remarks: _____ | | | | | | | | | | | | | | | | | | | | |

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/27/23
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.71072 Long: -108.02267 Datum: _____
 Soil Map Unit Name: Qh NWI classification: _____
 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No <u>X</u> | |
| Wetland Hydrology Present? Yes _____ No <u>X</u> | |
| Remarks: <u>LITTLE BASALT DOBBLE</u> <u>FLAT SURROUNDING SLIGHT DEPRESSION</u> <u>7% BARE GROUND ZONE 1</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|---|------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | _____ | _____ | _____ | |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | _____ | _____ | _____ | Hydrophytic Vegetation Present? Yes _____ No _____ |
| Herb Stratum | | | | |
| 1. <u>Hikalo Stanton</u> | <u>60</u> | _____ | _____ | Remarks: |
| 2. <u>UNK. GRASS 2</u> | <u>20</u> | _____ | _____ | |
| 3. <u>WESTERN FLEABANE</u> | _____ | _____ | _____ | |
| 4. <u>PROSTRATE VERBAIN</u> | <u>3</u> | _____ | _____ | |
| 5. <u>MAY GRASS</u> | <u>5</u> | _____ | _____ | |
| 6. <u>UNK. GRASS 2</u> | <u>30</u> | _____ | _____ | |
| 7. <u>GRINDILIA</u> | <u>5</u> | _____ | _____ | |
| 8. <u>BLUE GRASS</u> | <u>2</u> | _____ | _____ | |
| 9. <u>UNK. MUSTARD</u> | _____ | _____ | _____ | _____ |
| Total Cover: _____ | _____ | _____ | _____ | _____ |
| Woody Vine Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | _____ |
| 2. _____ | _____ | _____ | _____ | _____ |
| Total Cover: _____ | _____ | _____ | _____ | _____ |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |

SOIL

Sampling Point: _____

| 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 | | |
| 0-12 | 10Y2 3/3 | 100 | — | | | | Silty clay loam | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ²Location: PL=Pore Lining, RC=Root Channel, M=Matrix.

| | |
|--|---|
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) <input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR C) <input type="checkbox"/> 1 cm Muck (A9) (LRR D) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4) | Indicators for Problematic Hydric Soils³: <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> Vernal Pools (F9) <input type="checkbox"/> 1 cm Muck (A9) (LRR C) <input type="checkbox"/> 2 cm Muck (A10) (LRR B) <input type="checkbox"/> Reduced Vertic (F18) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Other (Explain in Remarks) |
|--|---|

³Indicators of hydrophytic vegetation and wetland hydrology must be present.

| | |
|--|---|
| Restrictive Layer (If present): Type: _____ Depth (Inches): _____ | Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> |
|--|---|

Remarks: _____

HYDROLOGY

| | |
|--|--|
| Wetland Hydrology Indicators: <u>Primary Indicators (any one indicator is sufficient)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) (Nonriverine) <input type="checkbox"/> Sediment Deposits (B2) (Nonriverine) <input type="checkbox"/> Drift Deposits (B3) (Nonriverine) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Biotic Crust (B12) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Plowed Soils (C6) <input type="checkbox"/> Other (Explain in Remarks) | <u>Secondary Indicators (2 or more required)</u> <input type="checkbox"/> Water Marks (B1) (Riverine) <input type="checkbox"/> Sediment Deposits (B2) (Riverine) <input type="checkbox"/> Drift Deposits (B3) (Riverine) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Shallow Aquitard (D3) <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 <input checked="" type="checkbox"/> |
|---|---|

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

Remarks: _____

697/525

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: _____

Applicant/Owner: _____ State: _____ Sampling Point: _____

Investigator(s): _____ Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR): _____ Lat: 34.20713 Long: -108.02140 Datum: _____

Soil Map Unit Name: Q6 NWI classification: _____

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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No _____ | |
| Wetland Hydrology Present? Yes _____ No _____ | |
| Remarks: <u>697 525</u> <u>TWO INLETS w/ DRAINAGE ENTERING BASALT COBBLES & BOULDERS</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: |
|---|------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) |
| 2. _____ | _____ | _____ | _____ | Total Number of Dominant Species Across All Strata: _____ (B) |
| 3. _____ | _____ | _____ | _____ | Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Herb Stratum | | | | |
| 1. <u>nut grass 75</u> | _____ | _____ | _____ | |
| 2. <u>grindelia 5</u> | _____ | _____ | _____ | |
| 3. <u>suaeda? 2</u> | _____ | _____ | _____ | |
| 4. <u>western fleabane 5</u> | _____ | _____ | _____ | |
| 5. <u>yellow composite? 2</u> | _____ | _____ | _____ | |
| 6. <u>giant leaf evening primrose</u> | _____ | _____ | _____ | |
| 7. <u>white sp. 1</u> | _____ | _____ | _____ | |
| 8. <u>artemesia frigida 2</u> | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Woody-Vine Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |

Remarks: _____

SOIL

Sampling Point: _____

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 | | |
| Pit 1 0-5 | 10YR 3/2 | 100 | — | | | | Silt Loam | |
| 5-15 | 10YR 3/2 | 100 | — | | | | Clay | |
| Pit 2 0-4 | 10YR 3/3 | 100% | — | | | | Silt Loam | |
| 4-12 | 10YR 3/3 | 100% | — | | | | Clay | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ²Location: PL=Pore Lining, RC=Root Channel, M=Matrix.

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

Indicators for Problematic Hydric Soils³:

- ☐ 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)

- ☐ 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.

Restrictive Layer (If present):

 Type: _____
 Depth (inches): _____
Hydric Soil Present? Yes _____ No ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (any one indicator is sufficient)

- ☐ 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 Plowed Soils (C6)
☐ 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)
☐ Thin Muck Surface (C7)
☐ 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): _____
 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:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/27/23
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.7577 Long: -108.02253 Datum: _____
 Soil Map Unit Name: Qb NWI classification: _____
 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No <u>X</u> | |
| Wetland Hydrology Present? Yes <u>X</u> No _____ | |
| Remarks: <u>3 ZONES, ZONE 1 BARE SOIL TRAMPLED BY CATTLE (95-100% BARE)</u> <u>VOLCANIC COBBLE, GRAVEL, & BOULDERS</u> <u>40-50 ZONE 2 SAND GRAVEL</u> <u>60-80 ZONE 3 " "</u> <u>CURLEW ON SITE</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|--|-------------------------------|-------------------|------------------|--|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | _____ | _____ | _____ | |
| Sapling/Shrub Stratum | | | | Hydrophytic Vegetation Indicators: ____ Dominance Test is >50% ____ Prevalence Index is ≤3.0 ¹ ____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ____ Problematic Hydrophytic Vegetation ¹ (Explain) |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | ¹ Indicators of hydric soil and wetland hydrology must be present. |
| 5. _____ | _____ | _____ | _____ | |
| Herb Stratum | | | | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 1. <u>SUNFLOWER spp. (2)</u> | <u>25</u> | _____ | _____ | |
| 2. <u>CHENOPodium sp.</u> | <u>25</u> | _____ | _____ | Remarks: |
| 3. <u>RUMEX TRIANGULIVALVIS</u> | <u>5</u> | _____ | _____ | |
| 4. <u>PROGERIST</u> | <u>3</u> | _____ | _____ | |
| 5. <u>PROSTRATE VERVAIN</u> | <u>2</u> | _____ | _____ | |
| 6. <u>UNK. YELLOW FLOWER WOODHOUSE'S BAHIA</u> | <u>2</u> | _____ | _____ | |
| 7. <u>UNK. MILK VETCH</u> | <u>2</u> | _____ | _____ | |
| 8. <u>GRINDELLIA</u> | <u>25</u> | _____ | _____ | |
| 9. <u>WESTERN WHEATGRASS</u> | <u>10</u> | _____ | _____ | |
| Woody/Vine Stratum | | | | |
| 1. <u>FLORIBANE</u> | <u>5</u> | _____ | _____ | |
| 2. <u>ALKALAI SCANTON?</u> | <u>5</u> | _____ | _____ | |
| 3. <u>THREEAWN SP.</u> | <u>1</u> | _____ | _____ | |
| 4. <u>ELYNUS ELYNOIDES</u> | <u>1</u> | _____ | _____ | |
| % Bare Ground in Herb Stratum _____ | % Cover of Biotic Crust _____ | | | |

Sampling Point:

| 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 | | |
| <u>0-15</u> | <u>10YR 4/2</u> | <u>100</u> | <u>-</u> | | | | <u>Clay</u> | |
| | | | | | | | | |
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¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix. ²Location: PL=Pore Lining, RC=Root Channel, M=Matrix.

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

| | |
|--|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) |
| <input type="checkbox"/> Stratified Layers (A5) (LRR C) | <input type="checkbox"/> Depleted Matrix (F3) |
| <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) | |

Indicators for Problematic Hydric Soils³:

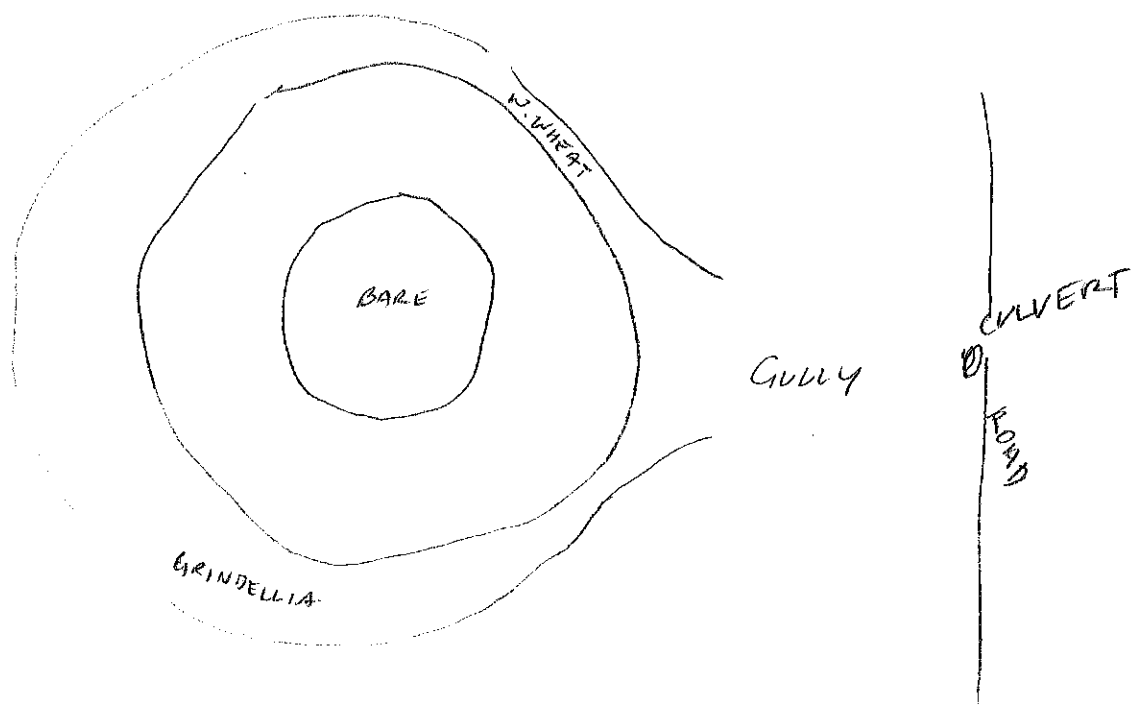
- ☐ 1 cm Muck (A9) (**LRR C**)
- ☐ 2 cm Muck (A10) (**LRR B**)
- ☐ Reduced Vertic (F18)
- ☐ Red Parent Material (TF2)
- ☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present.

| | |
|--|--|
| Restrictive Layer (if present): Type: _____ Depth (inches): _____ | Hydric Soil Present? Yes ____ No <u>X</u> |
| Remarks: | |

HYDROLOGY

| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) |
|--|--|---|
| Primary Indicators (any one indicator is sufficient) | | |
| <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"/> Thin Muck Surface (C7) |
| <input checked="" type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Recent Iron Reduction in Plowed Soils (C6) | <input type="checkbox"/> Crayfish Burrows (C8) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Water-Stained Leaves (B9) | | <input type="checkbox"/> Shallow Aquitard (D3) |
| | | <input type="checkbox"/> FAC-Neutral Test (D5) |
| Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (Includes capillary fringe) | | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | |
| Remarks: ROAD CULVERT & GULLY ADDING RUNOFF | | |



WETLAND DETERMINATION DATA FORM – Arid West Region

353
PINE LAKE

Project/Site: _____ City/County: _____ Sampling Date: 6/28/23
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.135055 Long: -108.40850 Datum: _____
 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 _____, 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No _____ | |
| Wetland Hydrology Present? Yes <u>X</u> No _____ | |

Remarks: EXCAVATED IN CENTER W/ 2 SPOIL PILES ON OPPOSITE SIDES (N.E.S.)
ZONE 1 95% BARE FEW, SCATTERED COBBLES & BOULDERS
ZONE 2 50% BARE - LARGE FLAT BASIN NOT FLOODING, AS MUCH B/C OF EXCAVATED PIT

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
|---|-------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Indicators: _____ Dominance Test is >50% _____ Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Herb Stratum | | | | |
| 1. <u>UNK. GRASS</u> | <u>2</u> | _____ | _____ | |
| 1, 2. <u>WHITE WILLOW DOCK</u> | <u>2, 1</u> | _____ | _____ | |
| 1. <u>UNK. KNOTWEED</u> | <u>1</u> | _____ | _____ | |
| 1. <u>ELYMUS SP.</u> | <u>< 1</u> | _____ | _____ | |
| 1, 25. <u>WESTERN WHEAT</u> | <u>< 1, 50</u> | _____ | _____ | |
| 1. <u>POISON SUCKLER</u> | <u>< 1</u> | _____ | _____ | |
| 2. <u>ELEOCHARIS SP.</u> | <u>1</u> | _____ | _____ | |
| 2. <u>UNK. SPURGE</u> | <u>1</u> | _____ | _____ | |
| 2. <u>PROSTRATE KNOTWEED</u> | <u>1</u> | _____ | _____ | |
| Total Cover: _____ | | | | |
| Woody-Vine Stratum | | | | |
| 1. <u>PURSLANE SPEEDWELL</u> | <u>1</u> | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |
| Hydrophytic Vegetation Present? Yes _____ No _____ | | | | |
| Remarks: _____ | | | | |

336
Gibaldon Lake

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/28/23
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 39.18414 Long: -108.39762 Datum: _____
 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 _____, 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No _____ | |
| Wetland Hydrology Present? Yes _____ No _____ | |
| Remarks: <u>EXCAVATED BERMS E. E. W. SIDE</u> <u>ZONE 3 60% BARE</u> <u>FEW STRIPPED LOGS</u> <u>ZONE 1 95% BARE</u> <u>ZONE 2 65% BARE, SATURATED W/ FINE STANDING WATER</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) | |
|---|------------------|-------------------|------------------|--|--|
| 1. _____ | _____ | _____ | _____ | | |
| 2. _____ | _____ | _____ | _____ | | |
| 3. _____ | _____ | _____ | _____ | | |
| 4. _____ | _____ | _____ | _____ | | |
| Total Cover: _____ | | | | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ | |
| Sapling/Shrub Stratum | | | | | |
| 1. _____ | _____ | _____ | _____ | | |
| 2. _____ | _____ | _____ | _____ | | |
| 3. _____ | _____ | _____ | _____ | | |
| Total Cover: _____ | | | | | |
| Herb Stratum | | | | Hydrophytic Vegetation Indicators: _____ Dominance Test is >50% _____ Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. | |
| 1. <u>ELEOCHARIS SP</u> | <u>2, 30</u> | | | | |
| 1, 2 <u>W. WHEAT</u> | <u>1, 3, 40</u> | | | | |
| 1, 2, 3 <u>WHITE WILLOW DOCK</u> | <u>2, 41</u> | | | | |
| 1, 3 <u>PROSTRATE SPURGE</u> | <u>2, 1</u> | | | | |
| 3 <u>WESTERN RAGWEED</u> | <u>1</u> | | | | |
| 6. _____ | _____ | _____ | _____ | | |
| 7. _____ | _____ | _____ | _____ | | |
| Total Cover: _____ | | | | | |
| Woody Vine Stratum | | | | Hydrophytic Vegetation Present? Yes _____ No _____ | |
| 1. _____ | _____ | _____ | _____ | | |
| 2. _____ | _____ | _____ | _____ | | |
| Total Cover: _____ | | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | | |

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/28/23
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 34.05816 Long: -108.49898 Datum: _____
 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 _____, 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No _____ | |
| Wetland Hydrology Present? Yes _____ No _____ | |
| Remarks: <u>ZONE 1 50-80% BARE</u> <u>WET SIDE HAVE 2 ZONES</u> <u>ZONE 2 50-70% BARE</u> <u>SOUTH & EAST HAVE 3rd ZONE</u> <u>ZONE 3 50% BARE</u> <u>FAV STORRED LOGS & BOULDERS</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|---|------------------|-------------------|------------------|---|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | _____ | _____ | _____ | |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Indicators: _____ Dominance Test is >50% _____ Prevalence Index is ≤3.0 ¹ _____ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) _____ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| 6. _____ | _____ | _____ | _____ | |
| 7. _____ | _____ | _____ | _____ | |
| 8. _____ | _____ | _____ | _____ | |
| Woody-Vine Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 2. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |

Remarks: _____

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: _____ City/County: _____ Sampling Date: 6/28/23
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR): _____ Lat: 39.07480 Long: -108.50688 Datum: _____
 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 _____, 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 _____ No _____ | Is the Sampled Area within a Wetland? Yes _____ No _____ |
| Hydric Soil Present? Yes _____ No _____ | |
| Wetland Hydrology Present? Yes _____ No _____ | |
| Remarks: <u>2 Ponds, one linear berm in center; waterfowl & reed bed; potential leopard frog</u> <u>another short berm @ second pond</u> <u>very few scattered cobble & large boulders</u> | |

VEGETATION

| Tree Stratum (Use scientific names.) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B) |
|---|---------------------|----------------------|---------------------|--|
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____ |
| Sapling/Shrub Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present. |
| Total Cover: _____ | | | | |
| Herb Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| 3. _____ | _____ | _____ | _____ | |
| 4. _____ | _____ | _____ | _____ | |
| 5. _____ | _____ | _____ | _____ | |
| 6. _____ | _____ | _____ | _____ | |
| 7. _____ | _____ | _____ | _____ | Hydrophytic Vegetation Present? Yes _____ No _____ |
| 8. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| Woody Vine Stratum | | | | |
| 1. _____ | _____ | _____ | _____ | |
| 2. _____ | _____ | _____ | _____ | |
| Total Cover: _____ | | | | |
| % Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____ | | | | |

Remarks:

veg. on back

ZONE 2 SOME STANDING WATER, OTHERWISE SATURATED

| | |
|---------------------------|-----|
| ELEOCHARIS SP. (LARGE) | 80% |
| ELEOCHARIS SP. (DWARF) | 5% |
| WHITE WILLOW DOCK | 21% |
| UNK. YELLOW MUSTARD | 21% |
| VERONICA CATENATA | <1% |
| PROSTRATE KNOTWEED | 21% |

RECTANGLE POND (ZONE 1)

| | | |
|---------------------------|-----|-------------------------------|
| ELEOCHARIS SP. (LARGE) | 90% | PATCHES OF FLOATING SMARTWEED |
| SMARTWEED | 1% | |
| PROSTRATE KNOTWEED | 1% | |
| ELEOCHARIS (DWARF) | 3% | |
| HORTUM JAPONICA | 1% | |

SQUARE POND

| | |
|--|-----|
| ELEOCHARIS SP. (LARGE) | 90% |
| ELEOCHARIS SP. (DWARF) | 3% |
| KNOTWEED | 1% |
| UNK. AQUATIC 1 (LARGER) | 21% |
| UNK. AQUATIC 2 (smaller w/ WHITE FLOWER) | 1% |
| floating ALGAE | |

ZONE 3

| | |
|-------------------|-----|
| W. WHEATGRASS | 40% |
| VERONICA CATENATA | 21% |
| DANDELION | 21% |

Sampling Point: _____

[illegible]

HYDROLOGY

| Wetland Hydrology Indicators: | | Secondary Indicators (2 or more required) | |
|---|--|---|--|
| Primary Indicators (any one indicator is sufficient) | | | |
| <input checked="" type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Salt Crust (B11) | <input type="checkbox"/> Water Marks (B1) (Riverine) | |
| <input checked="" 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"/> Thin Muck Surface (C7) | |
| <input checked="" type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Recent Iron Reduction in Plowed Soils (C6) | <input type="checkbox"/> Crayfish Burrows (C8) | |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) | |
| <input type="checkbox"/> Water-Stained Leaves (B9) | | <input type="checkbox"/> Shallow Aquitard (D3) | |
| | | <input type="checkbox"/> FAC-Neutral Test (D5) | |
| Field Observations: Surface Water Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____ (includes capillary fringe) | | Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | |
| Remarks: | | | |

