Attachment A



RECEIVEDSouth Coast Region

MAY 6 2014

CALIFORNIA COASTAL COMMISSION

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CHIEF EXECUTIVE OFFICE

Darrell Johnson Chief Executive Officer Mr. Michael A. Mohler Project Manager Newport Banning Ranch LLC 1300 Quail Street, Ste. 100 Newport Beach, CA 92660

Subject: Newport Banning Ranch - California Coastal Commission Letter

dated December 6, 2013

Dear Mr. Mohler:

March 18, 2014

The Orange County Transportation Authority (OCTA) is responding to the above referenced letter from the California Coastal Commission requesting input from OCTA regarding potential transit service to the proposed Newport Banning Ranch development.

On January 9, 2014, OCTA met with representatives of the Newport Banning Ranch team to review project plans and discuss opportunities for expanding transit service to the proposed development. OCTA bus routes located near Newport Banning Ranch include Route 1 along Pacific Coast Highway (PCH), Route 47 along Placentia Avenue, and Route 55 along 19th Street and 17th Street.

Between 2008 and 2010 OCTA reduced bus service by approximately 20 percent because of reductions in state funding and lower fare revenues. If additional funding becomes available, bus service may be added where ridership levels and subsidies are sustainable. A recently completed study of Orange County bus service did not identify the project area as a priority for new or expanded OCTA service. The development density and land uses of the proposed project, as described by the applicant, will not generate sufficient ridership to justify the additional ongoing operating costs.

OCTA has investigated the possibly of making changes to Route 1 and determined that the current route and frequency adequately serve the proposed project area within a ½ mile of PCH. This route currently has a bus stop on westbound PCH, near the intersection of Superior Avenue. Consistent with our letter responding to the Notice of Preparation of a Draft Environmental Impact Report for Newport Banning Ranch, dated April 21, 2009, OCTA is considering placing a new bus stop on PCH closer to the proposed development.

Mr. Michael A. Mohler March 18, 2014 Page 2 of 2

Bus stop spacing, potential ridership, and input from the City of Newport Beach will be considered when locating bus stops in this area.

OCTA also looked at nearby routes which were further than a half-mile to see if these should be rerouted closer to the proposed development. OCTA Route 47 operates north/south along Placentia Avenue, and Route 55 operates along 19th Street and 17th Street. These routes are not recommended for rerouting through the proposed development due to the impact on travel time for existing riders and additional ongoing operational cost.

During our meeting, Newport Banning Ranch representatives indicated that they would facilitate the provision or extension of transit service by providing bus stops, and/or shelters as needed in the community to accommodate bus routing if OCTA determined that transit service within the community was adequately justified.

If you have any questions or comments, please contact Gary Hewitt, Section Manager, at (714) 560-5715 or by email at ghewitt@octa.net.

Sincerely,

Charles Larwood

Manager, Transportation Planning

CL:gh

c: Patrick Alford, City of Newport Beach
Dan Phu, OCTA
Bill Batory, OCTA
George Basye, Newport Banning Ranch LLC
Les Card, LSA, Associates, Inc.
Arthur Black, LSA, Associates, Inc.

KRGEIVED South Cedal Region

MAY 6 2014

| WETLAND DETERMINA | TION DA | ATA FORM – A | rid West Region ALIFORNIA |
|--|--------------|---------------------|--|
| ject/Site: Newfort Banning Rand | City/Co | unty: ORME | E CS. CASTAL GIRMANISSION / 2 |
| plicant/Owner: Newfort Banning D.Roman L | Le | | |
| estigator(s): Tisom Kamp | Castian | , Township, Range | S 29 TGS RIOW |
| 1400418 | Local r | elief (concave, con | ivex, none): CONCANC Slope (%): 22 |
| bregion (LRR): LRR-C Lat | N 23 | 807 L | ong: W 117 56 47 Datum: WG 1 67 |
| we will have my fired Sounds long | 0- | 270 slope | NWI classification: NWI classification |
| e climatic / hydrologic conditions on the site typical for this time o | fyear? Ye | s K No_ | (If no, explain in Remarks.) |
| e Vegetation 100 Soil 100 or Hydrology 100 significan | ntly disturb | ed? Are "No | ormal Circumstances" present? Yes No No |
| e Vegetation No Soll NV or Hydrology NO naturally | problemat | lic? (If need | led, explain any answers in Remarks.) |
| JMMARY OF FINDINGS – Attach site map show | ing sam | plina point loc | cations, transects, important features, etc. |
| | | Į | |
| lydrophytlc Vegetation Present? Yes No | | is the Sampled A | теа |
| Hydric Soil Present? Yes No _X | - | within a Wetland | 7 Yes No X |
| Vetland Hydrology Present? Yes No | - | | |
| Remarks: | | | |
| | | | |
| | | | |
| EGETATION – Use scientific names of plants. | | ninant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) %C | over Spe | cies? Status | Number of Dominant Species That Are OBL, FACW, or FAC: |
| 1 | | | Total Number of Dominant Species Across All Strata: (B) |
| 3 | | | Species Across Air Citata. |
| 4 | = T | otal Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: |
| Sapling/Shrub Stratum (Plot size:) | r . | , Eur | Prevalence Index worksheet: |
| 1. Bacchanis Salicitolia 1 | <u> </u> | 7 100 | Total % Cover of: Multiply by: |
| 2 | | | OBL species x1= |
| 3 | | | FACW species x2= |
| 5 | | | FAC species $40 \times 3 = 120$ |
| 5. | 15 =T | otal Cover | FACU species X4= X00 |
| Herb Stratum (Plot size:) | 1-n | V UPL | OF L. Spoolos |
| 1. Hirschfeldia incoma | 25 | FAC | |
| 2 Rumer Onis Aus 3 Helio tropium Eurassavicum | - | n FACU | Prevalence Index = B/A = 4-12 |
| 4 Franklinia Salina | 3 | n FACE | Hydrophytic Vegetation Indicators: |
| 5 | | | Dominance Test is >50% |
| 6. | | | Prevalence Index is ≤3.0¹ № 0 Morphological Adaptations¹ (Provide supporting |
| 7 | | | Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) |
| 8. | | | Problematic Hydrophylic Vegetatlon ¹ (Explain) |
| | = | Total Cover | |
| Woody Vine Stratum (Plot size:) 1 | | | Indicators of hydric soil and wetland hydrology must |
| 2. | | | be present, unless disturbed or problematic. |
| | = | Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum % Cover of | Biotic Crus | st | Present? Yes No |
| Remarks: Pusses Busic | Adria | NIM AM CL | W/ 2 FAC SALEIRS |
| Tu>xe> | i i i i i | pland | below PI. |
| 1517 STONS | y VI | * LYVV-11 | execution to the contract of t |

| rofile Description: (Describe to the dept | Redox Features | | | , | |
|--|---|--|----------------|--|---|
| pepth Matrix nches) Color (moist) % | Color (moist) % Type ¹ | Loc ² | Texture | Rema | arks |
| 104R3/2 100 | NUNE | Sandy | Clay | DAM | |
| ype: C=Concentration, D=Depletion, RM= ydric Soil Indicators: (Applicable to all I | Reduced Matrix, CS=Covered or Coate LRRs, unless otherwise noted.) Sandy Redox (S5) | ed Sand Gral | Indicators | ication: PL=Pore Lini for Problematic Hy Muck (A9) (LRR C) | |
| _ Histosol (A1) | Stripped Matrix (S6) | | | Muck (A10) (LRR B) | |
| Histic Epipedon (A2) | Loamy Mucky Mineral (F1) | | | ced Vertic (F18) | |
| _ Black Histic (A3) | Loamy Gleyed Matrix (F2) | | | Parent Material (TF2) | |
| Hydrogen Sulfide (A4) | Depleted Matrix (F3) | | _ | (Explain in Remarks | |
| Stratified Layers (A5) (LRR C) 1 cm Muck (A9) (LRR D) | Redox Dark Surface (F6) | | | ` ' | • |
| Depleted Below Dark Surface (A11) | Depleted Dark Surface (F7) | | | | |
| _ Thick Dark Surface (A12) | Redox Depressions (F8) | | 3Indicator | s of hydrophytic vege | tation and |
| | Vernal Pools (F9) | | wetland | d hydrology must be p | present, |
| STREET BUILDING WILDSHIELD | | | | | |
| Sandy Mucky Mineral (S1) | Vettiai Fools (1 0) | | | disturbed or problem | atic. |
| Sandy Gleyed Matrix (S4) | verifal Pools (1 3) | | | | atic. |
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| Sandy Gleyed Matrix (S4) testrictive Layer (if present): Type: | veina r ous (1 o) | | unless | disturbed or problem | |
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WETLAND DETERMINATION DATA FORM - Arid West Region City/County: DRAMQL CO Sampling Date: ___ Ranch BANNING State: CA Sampling Point: Section, Township, Range: 529 T65 Local relief (concave, convex, none): CENEWE Slope (%): 🗸 🗎 🔽 Landform (hillslope, ferrace, etc.): Long: W1175647 Datum: WGS 84 Lat N 33 8 07 Subregion (LRR): 0-2% Stopes NWI classification: NA Soil Map Unit Name: My Force Saudy (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No _ Are "Normal Circumstances" present? Yes Are Vegetation (Soil , or Hydrology ___ significantly disturbed? (If needed, explain any answers in Remarks.) Are Vegetation _____, Soll _____, or Hydrology _____ naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes is the Sampled Area Yes No Hydric Soil Present? within a Wetland? Wetland Hydrology Present? No. Remarks: VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator % Cover Species? Status Tree Stratum (Plot size: ______ Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species 33.37 (A/B) = Total Cover mu/Ohrub Stratum (Plot size: = 5 ' 1- a d i 45 That Are OBL, FACW, or FAC: 20 Upt Prevalence Index worksheet: 1. Hirschfeldia incana FAC Total % Cover of: 2. Hopdeum marinum esp. gussoneanum 485 OBL species 3. Bromus rubers UPL No FAC FACW species 4. Rumex crispus OBL 5. Eleveharis machinestachya 5 no FAC species FACU species = Total Cover Herb Stratum (Plot size: 25 1 + ad 145 235 UPL species FACIN lythruna hyssopifolia (A) <u>3</u>80 Column Totals: 100 UPL 2 Bromus diametrus no 3-80 WPL Prevalence Index = B/A = 3. Eremocarpus setigen 17 6 Hydrophytic Vegetation Indicators: FACW 4. Cyperus eragrostis no Dominance Test is >50% FACY 5. Pictis echioides 170 Prevalence Index is ≤3.01 FAC 6. Distichlis spicata ___ Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) / O D = Total Cover Woody Vine Stratum (Plot size: _ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic = Total Cover Vegetation % Cover of Biotic Crust _ Present? % Bare Ground in Herb Stratum Remarks:

Sampling Point:

| Profile Description: (Describe to the depth needed to document the indicator or o | confirm the absence of indicators.) |
|--|--|
| Depth Matrix Redox Features | |
| (inches) Color (molst) % Color (molst) % • Type¹ L | Loc ² Texture Remarks |
| 0-6 10 NR 3/2 NONE | |
| 6-12 Lawns of redox - appr | mi relictial- |
| The state of the s | |
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| S | THE PROPERTY OF THE PROPERTY O |
| | ₽ [®] |
| | 4 |
| | |
| | 5. |
| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated S | Band Grains. ² Location: PL=Pore Lining, M=Matrix. |
| ydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) | 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) |
| Black Histic (A3) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain In Remarks) |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) | |
| Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) | * |
| Thick Dark Surface (A12) Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| lestrictive Layer (If present): | |
| Туре; | 2 |
| | i A |
| Depth (inches): | Hydric Soli Present? Yes No |
| | Hydric Soli Present? Yes No |
| Depth (inches): | Hydric Soll Present? Yes No |
| Depth (inches):Remarks: | Hydric Soil Present? Yes No |
| Depth (inches): | Hydric Soil Present? Yes No |
| Pepth (inches): | |
| Penarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) | Secondary Indicators (2 or more required) |
| Pemarks: YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) Selt Crust (B11) | Secondary Indicetors (2 or more required) Water Marks (B1) (Riverine) |
| Pemarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Biotic Crust (B12) | Secondary Indicetors (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) |
| Pepth (inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) |
| Primary Indicators: Surface Water (A1) High Weter Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Semarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Self Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| Primary Indicators: Surface Water (A1) High Weter Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Semarks: YDROLOGY Vettand Hydrology Indicators: Check all that apply) Selt Crust (B11) Selt Crust (B11) Selt Crust (B12) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Live | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) ing Roots (C3) Dry-Season Water Table (C2) |
| Prince Prince (Prince | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| Popth (inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sedlment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Aing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) |
| Popth (inches): | Secondary Indicetors (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Aing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquifard (D3) |
| Primary Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water (Explain in Remarks) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sedlment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Aing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stalned Leaves (B9) Presence of Reduced In Remarks) Thin Muck Surface (C7) Other (Explain in Remarks) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soli Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stalned Leaves (B9) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sediment Capable (C7) Water-Stalned Leaves (B9) Depth (Inches): Depth (Inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverina) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ving Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Per | Secondary Indicetors (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Pepth (inches): Proposition Proposition | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Pring Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Pepth (inches): Primary Indicators (minimum of one required: check all that apply) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Pepth (inches): Primary Indicators (minimum of one required: check all that apply) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Pepth (inches): Primary Indicators (minimum of one required: check all that apply) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Popth (inches): Primary Indicators Primary Ind | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Popth (inches): Popth (inches): Primary Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) Salt Crust (B11) Biotic Crust (B12) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Drift Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Liv Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Solf Cracks (B6) Recent Iron Reduction in Tilled Solf Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Depth (inches): Surface Water Present? Yes No Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective in the content of the c | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Popth (inches): Popth (inches): Popth (inch | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Soils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |

WETLAND DETERMINATION DATA FORM - Arid West Region

| No vant R. | Roman Roman | ella ottulo | DRan | al CO Samo | oling Date: 6-9-/2 |
|--|--------------------------|-------------------|------------------------|--|--|
| Project/Site: Newfort Bas | Wilves Pan | LIJA LIJA | County. | State: CA Sam | oling Point: |
| Applicant/Owner: New Port Ba | MATTER NAM | Conti | on Tournhin Pann | 529 T65 | |
| Investigator(s): Thomko Landform (hillslope, terrace, etc.): | 7 | Secti | on, rownship, rang | OVER PUDEL CONCINC | Slope (%): 4 2 7 |
| Landform (hillslope, terrace, etc.):/ | MAGE | Loca | il relief (concave, co | ong: W 117 5% 47 | Datum: Was 84 |
| Subregion (LRR): LR R - 4 | | | 801 | NWI classification: | |
| Soil Map Unit Name: My Ford S | sandy Mam | | | | |
| Are climatic / hydrologic conditions on t | he site typical for this | time of year? \ | | (If no, explain in Remar | |
| Are Vegetation No, Soil No, or | Hydrology NO si | gnificantly distu | | | nt? Yes No No |
| Are Vegetation, Soil, or | Hydrologyn | aturally problem | • | ded, explain any answers in l | |
| SUMMARY OF FINDINGS - A | ttach site map s | showing sar | mpling point lo | cations, transects, im | portant features, etc. |
| Hydrophytic Vegetation Present? | Yes No | . X | Is the Sampled | \range range | |
| Hydric Soli Present? | Yes No | | within a Wetland | AV20.550 | No X |
| Wetland Hydrology Present? | Yes N | 0 | WILLIAM IN FROM | | |
| Remarks: | | | | | |
| | | | | | |
| | | | | | |
| VEGETATION Use scientific | c names of plan | ts. | | | |
| VEGETATION Use scientifi | - Harries of plan | Absolute Do | ominant Indicator | Dominance Test workshe | et: |
| Tree Stratum (Plot size: |) | % Cover St | pecles? Status | Number of Dominant Speci | es (A) |
| 1 | | | ; | That Are OBL, FACW, or F. | AC: (A) |
| 2 | | | | Total Number of Dominant | 2 (B) |
| 3. | | | | Species Across All Strata: | |
| 4 | | | Total Cover | Percent of Dominant Speci That Are OBL, FACW, or F | es 50 70(A/B) |
| Sapling/Shrub Stratum (Plot size: _ |) | | Total Gover | | |
| 1. | | | | Prevalence Index worksh | |
| 2. | | | | Total % Cover of: | $\frac{\text{Multiply by:}}{x \cdot 1 = 15}$ |
| 3 | | | | OBL species 5 | x2= 10 |
| 4 | | | | FAC species | x3= |
| 5 | 7 | | Total Cover | FACU species 35 | x4= 140 |
| Herb Stratum (Plot size: 5 - 1 | plius | | I DIAI COVEI | UPL species | x 5 = |
| 1 Catula Coroni | pitolia. | 15 | yes OBL | Column Totals: | (A) 65 (B) |
| 2 Nemandra fors | ciculata | | YES FACU | Prevalence Index = | 3.0 |
| 3. Polypogin mon | speliens 15 | | no FAN | Hydrophytic Vegetation | |
| 4. Bromvs horder | riceus | 10 | no FACU | Dominance Test is >5 | |
| 5 | | | | Prevalence Index Is ≤ | :3,0 ¹ |
| 6 | | | | Morphological Adapta | ations ¹ (Provide supporting |
| 7 | | | | data in Remarks of | or on a separate sheet) |
| 8 | | - 4:5 = | Total Cover | Problematic Hydroph | ytic Vegetation' (Explain) |
| Woody Vine Stratum (Plot size: | | | 10.03 00.03 | | t il ti destancental |
| 1. | | | | Indicators of hydric soil a be present, unless disturt | and wetland hydrology must bed or problematic. |
| 2 | | - m m fi | | | |
| | sil Pa | | Total Cover | Hydrophytic Vegetation | V * |
| % Bare Ground in Herb Stratum | 45 % CO | ver of Blotic Cru | ist | Present? Yes | No X |
| | | | | | |
| A Arca | s load i | n Koa | Z PUTS . | pine. | |
| 6. | | | | | |
| | | | | | |
| | | | | | |

| | | ✓. | |
|----------|--------|----|--|
| Sampling | Point: | | |

| | Redox Features | |
|--|--|--|
| Depth Metrix (inches) Color (maist) % | Color (moist) % Type Lt | DC ² Texture Remarks |
| 0-6 54R 3/3 100 | NONE NONE | Clan long |
| | | |
| | | (|
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| | | - E |
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| 100 mm m m m m m m m m m m m m m m m m m | | |
| True C. Constanting De Dealthing DM. D. | d. 1111; 00 0 | 20 10 20 11 20 11 11 11 11 11 11 |
| ¹ Type: C=Concentration, D=Depletion, RM=Re Hydric Soll Indicators: (Applicable to all LR | | and Grains. ² Location: PL=Pore Lining, M≕Matrix. Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | | |
| Histosof (A1) Histic Epipedon (A2) | Sandy Redox (S5) Stripped Matrix (S6) | 1 cm Muck (AB) (LRR C) 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) | Depleted Matrix (F3) | Other (Explain in Remarks) |
| 1 cm Muck (A9) (LRR D) | Redox Dark Surface (F6) | _ , |
| Depleted Below Dark Surface (A11) | Depleted Dark Surface (F7) | |
| Thick Dark Surface (A12) | Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Type: Wa-NE | =' | |
| Depth (inches): NA | ≐ | Hydric Soil Present? Yes No |
| Remarks: | | 23.7 10 7123.873118.118.22.413.113.413.413.413.413.413.413.413.413 |
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| | | |
| YDROLOGY | | |
| | | |
| Wetland Hydrology Indicators: | heck all that apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primaty Indicators (minimum of one required; cl | | Secondary Indicators (2 or more required) Water Marks (21) (Pluating) |
| Wetland Hydrology Indicators: Primaty Indicators (minimum of one required; cl Surface Water (A1) | Salt Crust (B11) | Water Marks (B1) (Riverine) |
| Wetland Hydrology Indicators: Primaty Indicators (minimum of one required; cl Surface Water (A1) High Water Table (A2) | Salt Crust (B11) Biotic Crust (B12) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl Surface Water (A1) High Water Table (A2) Saturation (A3) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) G Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl 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) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol | Water Marks (B1) (RIverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) G Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl 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) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol. Thin Muck Surface (C7) | Water Marks (B1) (RIverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) GRoots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl. 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) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) G Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl. Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol. Thin Muck Surface (C7) Other (Explain in Remarks) | Water Marks (B1) (RIverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) GRoots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl. Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes K | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) | Water Marks (B1) (RIverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) GRoots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl 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) Field Observations: Surface Water Present? Yes No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Is (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl 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) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): | Water Marks (B1) (RIverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) GRoots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl 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) Field Observations: Surface Water Present? Water Table Present? Yes No Saturation Present? Yes No | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Is (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl. 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) Field Observations: Surface Water Present? Water Table Present? Yes No Saturation Present? Yes No | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Is (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| 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) Field Observations: Surface Water Present? Yes No Saturation Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitor) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Is (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl. 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) Field Observations: Surface Water Present? Yes No Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitor) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Is (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl. 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) Field Observations: Surface Water Present? Water Table Present? Yes No Saturation Present? Yes No Includes capillary fringe) Describe Recorded Data (Stream gauge, monitor) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Is (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; cl. 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) Field Observations: Surface Water Present? Water Table Present? Yes No Saturation Present? Yes No Includes capillary fringe) Describe Recorded Data (stream gauge, monitor) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sol Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Is (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |

WETLAND DETERMINATION DATA FORM - Arid West Region

| Project/Sile: Newfort Banning Ranch City/County: DRAN | 196 CO. Sampling Date: 6-9-12 |
|--|---|
| Applicant/Owner: New Port Bannird Ranch LLC | State: CA Sampling Point: Y |
| Investigator(s): TBomkamp O Section, Township, Rar | ge: 529 TES RAW |
| Landform (hillslope, terrace, etc.): Turille Local relief (concave, c | convex, none): Concave Slope (%): < 25 |
| Subregion (LRR): LRR - C Lat: N 33 8 07 | Long: W 1) 7 56 47 Datum: WGS 84 |
| Soil Map Unit Name: My Ford Sandy Jasm 0-270 Stopes | |
| Soil Map Unit Name: My Foto SMA Wisker 12 2 18 200 190 | //Fine explain in Perperks) |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | Normal Circumstances" present? Yes No |
| | |
| 7416 * Egenation Obs Obs | eded, explain any answers In Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling point to | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Is the Sampled | Area |
| Hydric Soil Present? Yes No within a Wetlar | <u>~</u> |
| Wetland Hydrology Present? Yes No X | 710 |
| Remarks: | |
| | |
| | |
| VEGETATION - Use scientific names of plants. | |
| Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stretum (Plot size: | Number of Dominant Species |
| 1 | That Are OBL, FACW, or FAC:(A) |
| 2 | Total Number of Dominant |
| 3 | Species Across All Strata: (B) |
| 4 | Percent of Dominant Species That Are OBL. FACW, or FAC: 50 75(A/B) |
| Sapling/Shrub Stratum (Plot size: 5 [Anily5] = Total Cover | That Are OBL, FACW, or FAC: |
| 1. Brocharis Salicifolia 5 yes FAC | Prevalence Index worksheet: |
| 2 ISOCOMA MENZIESII 2 YES UPL | Total % Cover of: Multiply by: |
| 3 | OBL species X1= |
| 4 | FACW species |
| 5 | FACU species |
| Herb Stratum (Plot size: 5 Troftu 5) | UPL species 77 x 5 = 85 |
| 1. Demanda Pasciculata 5 no Faci | Column Totals: 47 (A) 160 (B) |
| | |
| 2. Pohypogun Mono peliensis 20 yes FACE 3. Centeurea melitansis IS yes UPL | Prevalence Index = B/A = 3,40 |
| 4 | Hydrophytic Vegetation Indicators: |
| 5 | Dominance Test is >50% |
| 6 | Prevalence Index Is ≤3.01 Morphological Adaptations1 (Provide supporting |
| 7 | data in Remarks or on a separate sheet) |
| 8. | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | |
| 1 | Indicators of hydric soil and wetland hydrology must |
| 2 | be present, unless disturbed or problematic. |
| Total Cover | Hydrophytic |
| % Bare Ground in Herb Stratum 53 % Cover of Biotic Crust 9 | Vegetation Present? Yes No |
| Remarks: | |
| Isomano | |
| | |
| | |
| | |

| SOIL | | | Sampling Point: |
|---|--|--|--|
| Profile Description: (Describe to the depth ne | | confirm the absence of Ind | cators.) |
| Depth Matrix (inches) Color (moist) % C | Redox Features Color (moist) % Type* | _oc² Texture | Remarks |
| 0 11 75.000 | 4. | | REIIIdIKS |
| | NONE | Clay loam | |
| 4-6 7,5 ye 313 100 | Nons_ | Clay loans | |
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| | | | |
| | _ | | |
| S - S - S - S - S - S - S - S - S - S - | | | |
| | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Red | Junea Matrix CR-Covered or Costed 5 | Cond Crains 21 continu | Di -Dom Links, M-Matrix |
| Hydric Soil Indicators: (Applicable to all LRR | | | PL=Pore Lining, M=Matrix. oblematic Hydric Solis ³ : |
| Histosol (A1) | Sandy Redox (S5) | 1 cm Muck (A | • |
| Histic Epipedon (A2) | Stripped Matrix (S6) | 2 cm Muck (A | |
| Black Histic (A3) | Loamy Mucky Mineral (F1) | Reduced Ver | |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Red Parent N | Naterial (TF2) |
| Strattfied Layers (A5) (LRR C) | Depleted Matrix (F3) | Other (Explai | n in Remarks) |
| 1 cm Muck (A9) (LRR D) | Redox Dark Surface (F6) | | |
| Depleted Below Dark Surface (A11) | Depleted Dark Surface (F7) | Stantonen aktaul | - that are a set to a set |
| Thick Dark Surface (A12) Sandy Mucky Mineral (S1) | Redox Depressions (F8) Vernal Pools (F9) | _ | rophytic vegetation and ogy must be present, |
| Sandy Mocky Minicial (81) Sandy Gleyed Matrix (84) | vertial roots (1 9) | - | d or problematic. |
| Restrictive Layer (if present): | TOTAL HISTORY | | |
| Type: NONE | | | |
| Depth (inches): NA | | Hydric Soll Prese | nt? Yes No |
| · · · · · · · · · · · · · · · · · · · | | | 6 |
| HYDROLOGY | | | |
| Wetland Hydrology Indicators: | | | 1 10 10 10 10 10 10 10 10 10 10 10 10 10 |
| Primary Indicators (minimum of one required; che | eck all that apply) | Secondary Ir | ndicators (2 or more required) |
| Surface Water (A1) | Salt Crust (B11) | | arks (B1) (Riverine) |
| High Water Table (A2) | Blotic Crust (B12) | | nt Deposits (B2) (Riverine) |
| Saturation (A3) | Aquatic Invertebrates (B13) | Drift Dep | ooslts (B3) (Riverine) |
| Water Marks: (B1) (Nonriverine) | Hydrogen Sulfide Odor (C1) | | e Pattems (B10) |
| Sediment Deposits (B2) (Nonriverine) | Oxidized Rhizospheres along Livi | | son Water Table (C2) |
| Drift Deposits (B3) (Nonriverine) | Presence of Reduced Iron (C4) | · · · · · · · · · · · · · · · · · · · | Burrows (C8) |
| Surface Soil Cracks (B6) | Recent Iron Reduction in Tilled Sc | · · — | on Visible on Aerial Imagery (C9) |
| Inundation Visible on Aerial Imagery (B7) | Thin Muck Surface (C7) | | Aquitard (D3) |
| Water-Stained Leaves (B9) Field Observations; | Other (Explain in Remarks) | FAU-Ne | utral Test (D5) |
| | N Daniel Gunbank | | |
| Surface Water Present? Yes No / | Depth (inches): | | |
| | Depth (inches): | Waland Date 1 | |
| Saturation Present? Yes No No | Depth (inches): | wetland Hydrology Presi | ent? Yes No |
| Describe Recorded Data (stream gauge, monitori | ing well, aerial photos, previous inspec | tions), if available; | |
| (6 | | | |
| Remarks: Parding of Child | during extreme re | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | s a ale shialian |
| Which to 1897, | maring Editions 11 | rivipali what th | ins of 2010/201 |
| Out(v = 1801/1 | of them. | j. | |
| No Porting or | Saturatum deri | 2011/20 | 12 |

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WETLAND DETERMINATION DATA FORM -- Arid West Region

| Project/Site: Newfort Banning Ranch City/County. ORan | 196 CO. Sampling Date: 6-9-12 |
|--|--|
| Applicant/Owner: NEW PURT Banning Ranch LLC | State: CA Sampling Point: Z |
| Investigator(s): TBomkamp Section, Township, Rang | DE: 529 TES ROW |
| Landform (hillslope, terrace, etc.): Local relief (concave, co | DONE DONE CONGRAPE STORE (%): / 2. [|
| Subregion (LRR): LRR - Lat: N33 8 07 | MINEX, HOILE, LT LT Datum W/25 86 |
| Subregion (LRR): Lat 1838 (0) | Long; VI 17 5 5 77 Datum, TOSES 6 |
| Soil Map Unit Name: My Force Sandy Jam 0-270 Stopes | NVVI classification: |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | (If no, explain in Remarks.) |
| | Normal Circumstances° present? Yes K No No |
| Are Vegetation NO, Soil NO, or Hydrology NO naturally problematic? (If nee | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling point lo | cations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Is the Sampled | Aron |
| | d? YesNo |
| Wetland Hydrology Present? Yes No _X | 105100 |
| Remarks: Feature 1s excavated trench to spills from figuring. | C-contour for tentral |
| VEGETATION - Use scientific names of plants. | |
| Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) % Cover Species? Status | Number of Dominant Species That Are OBL, FACW, or FAC:(A) |
| 1 | 1000 |
| 2 | Total Number of Dominant Species Across All Strata:(B) |
| 3 | (,) |
| 5 - Foodius = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: 33 70 (A/B) |
| Sapling/Shrub Stratum (Plot size: | |
| 1. Baccharis salicifolia 30 yes EAC | Prevalence Index worksheet: |
| 2 | Total % Cover of:Multiply by: |
| 3 | OBL species x1= |
| 4 | FAC species x2 = D8 |
| 5 | 7 |
| Herb Stratum (Plot size: 5 - Violus) = Total Cover | FACU species |
| Hiscolaldia incana 5 tes UPL | Column Totals: 20 (A) 167 (B) |
| 2 Denomina Ancerculation 5 yes FACU | |
| 3 Pseudognaphalium luteralbum 3 to FAC | Prevalence index = B/A = 3.3 4 |
| 4 Conver Comedinis 3 no FACU | Hydrophytic vegetation indicators: |
| 5. Rumay encous 3 tro FAL | Dominance Test is >50% |
| 6. Polypogon monspeliansis no FACIL | Prevalence Index is ≤3.0¹ |
| 7 | Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) |
| B | Problematic Hydrophytic Vegetation ¹ (Explain) |
| = Total Cover | |
| Woody Vine Stratum (Plot size:) | ¹ Indicators of hydric soil and wetland hydrology must |
| 1 | be present, unless disturbed or problematic. |
| 2 | Hydrophytic |
| | Venetation |
| % Bare Ground in Herb Stratum 50 % Cover of Biotic Crust | Present? Yes No |
| Remarks: | |
| | |
| | |
| | |

| | ription: (Describe to | o the depth ne | eded to document th | e Indicator or c | onfim | n the absen | e of India | cators.) | |
|---|--|--|--|--|----------|--|---|---|--|
| Depth | Matrix Color (moist) | % C | Redox Featu olor (molst) % | | .oc² | Texture | | Perre | den |
| (inches) | | | olor (molst) % | | | | | Rema | IKS |
| <u></u> | 104/2 3/2 | 100 | _NONE | _ None | | lay loa | - I | | |
| 5-12 | 1041-313 | 100 | N-ONE | NONE | | PMOJAA 14 | Man. | | |
| | | | | | | | - | | |
| | | | | | | | | | |
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| | | | | | | | | | |
| | •••••••••••••••••••••••••••••••••••••• | | | | _ | | | | |
| Type: C=Cc | ncentration D=Denie | etton RM=Red | uced Matrix, CS=Cove | red or Coated S | and G | rains ² I | ocstion. | Pl =Pore Linir | ng, M=Matrix. |
| | | | s, unless otherwise n | | u170 C | | | blematic Hyd | |
| Histosol | (A1) | _ | Sandy Redox (S5) | | | 1 cm | n Muck (Al | 9) (LRR C) | |
| Histic Ep | ipedon (A2) | _ | Stripped Matrix (S6 | 3) | | | | 10) (LRR B) | |
| Black His | | _ | Loamy Mucky Mine | | | | uced Verti | | |
| | n Sulfide (A4) | _ | Loamy Gleyed Mat | | | | | aterial (TF2) | |
| | Layers (A5) (LRR C) |) _ | Depleted Matrix (F: Redox Dark Surface | | | Oth | er (Explain | In Remarks) | |
| | ck (A9) (LRR D) Below Dark Surface | /A11) | Rebox Dark Surface Depleted Dark Surface | , , | | | | | |
| | rk Surface (A12) | V117 _ | Redox Depressions | | | 3Indicate | rs of hydro | ophytic vegeta | ation and |
| | ucky Mineral (S1) | _ | Vernal Pools (F9) | - (/ | | | | gy must be pr | |
| | leyed Matrix (S4) | | | | | unless | disturbed | or problemat | tic. |
| | | | | | | | | | |
| | ayer (if present): | | | | | 1 | | | |
| | NONE | | | | | | | | |
| | NONE | | | | | Hydric S | oll Preser | at? Yes | No |
| Туре: | NONE | | | | | Hydric S | oll Preser | ut? Yes | No |
| Type: Depth (inc | NONE | | | | | Hydric Se | oil Preser | st? Yes | no |
| Type: Depth (inc | NONE | | | | | Hydric S | oil Preser | ut? Yes | No |
| Type: Depth (inc | NONE | | | | | Hydric Si | oil Preser | nt? Yes | No |
| Type: Depth (inc Remarks: | No NE thes): NA | | | | | Hydric Si | oil Preser | nt? Yes | No |
| Type: Depth (inc Remarks: | No NE hes): NA | | | | | Hydric Si | oll Preser | ut? Yes | No |
| Type: Depth (inc Remarks: YDROLOG Vetland Hyd | No NE thes): NA | e required; che | eck all that apply) | | | 1 | | 101 | No |
| Type: Depth (inc. cemarks: YDROLOG Vetland Hyd rimary Indic. | No NE hes): NA GY Irology Indicators: ators (minimum of on | e required: che | eck all that apply) Salt Crust (B11) | | | 1 | ondary In | dicators (2 or | more required |
| Type: Depth (inclinerarks: **TOROLOG** Vetland Hydicinerary Indicates Number 1 | Hes): NA GY Irology Indicators: ators (minimum of on Nater (A1) | e required; che | Salt Crust (B11) | | | Sec | condary In Water Ma | dicators (2 or arks (B1) (Riv | more required |
| Type: Depth (inc temarks: YDROLOG Vetland Hyd rimary Indic Surface \ High Wat | hes): NA SY Irology Indicators: ators (minimum of on Water (A1) ter Table (A2) | e required; che | | | | Sec | condary In Water Ma Sedimen | dicators (2 or | more required rerine) 2) (Riverine) |
| Type: Depth (inc temarks: /DROLOG /etland Hyd rimary Indic Surface \ High Wat Saturatio | hes): NA SY Irology Indicators: ators (minimum of on Water (A1) ter Table (A2) | *1 | Salt Crust (B11) Biotic Crust (B12) | ates (B13) | | Sec | condary in Water Ma Sedimen Drift Dep | dicators (2 or arks (B1) (Riv t Deposits (B2 | more required rerine) 2) (Riverine) verine) |
| Type: Depth (inc temarks: /DROLOG //etland Hyd //mary Indic Surface \ High Wat Saturatio Water Ma | thes): NA SY Irology Indicators: ators (minimum of on Water (A1) ter Table (A2) n (A3) | ne) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra | ates (B13) Odor (C1) | ng Roc | Sec | condary In Water Ma Sedimen Drift Dep Drainage | dicators (2 or erks (B1) (Riv t Deposits (B2 osits (B3) (Riv Patterns (B1 | more required rerine) 2) (Riverine) verine) 0) |
| Type: | hes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverin | ne) riverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sutfide | ates (B13) Odor (C1) heres along Livir | ng Roc | Sec | condary In Water Ma Sedimen Drift Dep Drainage Dry-Seas | dicators (2 or erks (B1) (Riv t Deposits (B2 osits (B3) (Riv Patterns (B1 | more required verine) 2) (Riverine) verine) 0) ole (C2) |
| Type: Depth (inclements: **DROLOG** Vetland Hydrimary Indicates North Mater Mater Mater Mater Mater Mater Drift Depth Mater | hes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonri | ne) riverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi | ates (B13) Odor (C1) heres along Livir roed Iron (C4) | | Set | condary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish | dicators (2 or erks (B1) (Riv t Deposits (B2 osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) | more required verine) 2) (Riverine) verine) 0) ole (C2) |
| Type: Depth (inc lemarks: POROLOG Vetland Hyd rimary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Surface S | hes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverints) | ne) riverine) ne) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxldfzed Rhizospi Presence of Redu | ates (B13) Odor (C1) heres along Livir iced Iron (C4) ction in Tilled So | | Sec | condary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio | dicators (2 or erks (B1) (Riv t Deposits (B2 osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) | more required rerine) 2) (Riverine) verine) 0) ole (C2) |
| Type: | hes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6) on Visible on Aerial Imalned Leaves (B9) | ne) riverine) ne) | Salt Crust (B11) Biotic Crust (B12) Aquetic Invertebra Hydrogen Sulfide Oxidized Rhizospi Presence of Redu Recent Iron Redu | ates (B13) Odor (C1) heres along Livir iced Iron (C4) ction in Tilled So e (C7) | | Sec | eondary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio Shallow | dicators (2 or arks (B1) (Riv t Deposits (B2 osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) n Visible on A | more required rerine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (|
| Type: | ches): NA | ne) riverine) ne) nagery (B7) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain In I | ates (B13) Odor (C1) heres along Livir iced Iron (C4) ction in Tilled So e (C7) Remarks) | | Sec | eondary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio Shallow | dicators (2 or erks (B1) (Riv t Deposits (B2 osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) n Visible on A Aquitard (D3) | more required rerine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (|
| Type: Depth (inc.) Remarks: YDROLOG Vetland Hyd Primary Indic Surface \(\) High Wat Sedimen Drift Dep Surface \(\) Inundatio Water-St. Vetled Observ | hes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonrive | ne) riverine) ne) nagery (B7) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain in I | ates (B13) Odor (C1) heres along Livir uced Iron (C4) ction in Tilled So e (C7) Remarks) | | Sec | eondary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio Shallow | dicators (2 or erks (B1) (Riv t Deposits (B2 osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) n Visible on A Aquitard (D3) | more required rerine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (|
| Type: | hes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonrive | ne) riverine) ne) nagery (B7) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain In I | ates (B13) Odor (C1) heres along Livir uced Iron (C4) ction in Tilled So e (C7) Remarks) | oils (Ce | Sec | condary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio Shallow / FAC-Neu | dicators (2 or erks (B1) (Riv t Deposits (B2) osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) n Visible on A Aquitard (D3) riral Test (D5) | more required verine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (|
| Type: Depth (inc. Remarks: YDROLOG Vetland Hyd Primary Indic Surface \(\) High Wat Saturatio Water-St. Field Observ Surface Water Table is Raturation Present Control of the P | thes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B6) on Visible on Aerial Imalined Leaves (B9) attons; ar Present? Yesesent? Yesesent? Yesesent? | ne) ne) nagery (B7) s No _ | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain in I | ates (B13) Odor (C1) heres along Livir roed Iron (C4) ction in Tilled So e (C7) Remarks) | oils (Ce | Sec | condary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio Shallow / FAC-Neu | dicators (2 or erks (B1) (Riv t Deposits (B2) osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) n Visible on A Aquitard (D3) riral Test (D5) | more required rerine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (|
| Type: | thes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4) (Nonriverint Deposits (B6) (Nonriv | ne) nlyerine) nagery (B7) s No s No s No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain In 1) Depth (inches): Depth (inches); | ates (B13) Odor (C1) heres along Livir roed fron (C4) ction in Tilled So e (C7) Remarks) | weti | Second Se | condary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio Shallow / FAC-Neu | dicators (2 or erks (B1) (Riv t Deposits (B2) osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) n Visible on A Aquitard (D3) riral Test (D5) | more required verine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (|
| Type: | thes): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4) (Nonriverint Deposits (B6) (Nonriv | ne) nlyerine) nagery (B7) s No s No s No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sutfide Oxidized Rhizospi Presence of Redu Recent Iron Redu Thin Muck Surfact Other (Explain In 1) Depth (inches): | ates (B13) Odor (C1) heres along Livir roed fron (C4) ction in Tilled So e (C7) Remarks) | weti | Second Se | condary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio Shallow / FAC-Neu | dicators (2 or erks (B1) (Riv t Deposits (B2) osits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) n Visible on A Aquitard (D3) riral Test (D5) | more required verine) 2) (Riverine) verine) 0) ole (C2) verial Imagery (|
| Type: | ches): NA Irology Indicators: ators (minimum of on Nater (A1) ter Table (A2) n (A3) arks (B1) (Nonriverint Deposits (B2) (Nonriverint Deposits (B3) (Nonriverint Deposits (B4)) on Visible on Aerial Imalined Leaves (B9) attons; ar Present? Yes esent? Yes ellary fringe) orded Data (stream g | ne) nle) nagery (B7) s No) s No) s No) s No) nauge, monitori | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain In 1) Depth (inches): Depth (inches); | ates (B13) Odor (C1) heres along Livir ced Iron (C4) ction in Tilled So e (C7) Remarks) | Wetl | Second Se | condary In Water Ma Sedimen Drift Dep Drainage Dry-Seas Crayfish Saturatio Shallow / FAC-Neu | dicators (2 or erks (B1) (Riv t Deposits (B3) (Riv Patterns (B1 son Water Tat Burrows (C8) in Visible on A Aquitard (D3) firal Test (D5) | more required verine) 2) (Riverine) verine) 0) ole (C2) Aerial Imagery (|

| Projection: New Hor Date Barring Place Applicationer: Mor Date Barring Botte: 1977 Applicationer: Mor Date Barring Barring Botte: 1977 Applicationer: Mor Date Barring Barring Botte: 1977 Applicationer: Mor Date Barring Barring Barring Botte: 1977 Application From Standard Barring Barri | WETLAND DETER | RMINATION | DATA FO | DRM - A | Arid West Region |
|--|--|--|---|--------------------|--|
| Hydrophytic Vogetation Present? Yes | Applicant/Owner: Nanty Banning Ray Investigator(s): TBONKAME Landform (hillslope, terrace, etc.): TWO ACC Subregion (LRR): LRR - C Soil Map Unit Name: My Force Sawdy Ray Are climatic / hydrologic conditions on the site typical for thi Are Vegetation No, Soil No, or Hydrology No Are Vegetation No, Soil No, or Hydrology No | Se Lot No Se Lot No Se Se Lot No Se Se Se Lot No Se Se Se Se Lot No Se Se Lot No Se Lo | ction, Townshocal relief (cond) 8 07 6 8 07 7 7 Yes 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | No Are "N (If need | State: CA Sampling Point: A A Determine: State: CA Sampling Point: A A Determine: State: Stat |
| Absolute % Cover Seeder Status 1. | Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N Wetland Hydrology Present? Yes N Remarks: | No X | Is the Sa | ampled A | Area |
| Percent of Dominant Species That Are OBL, FACW, or FAC: O-1. (A/B) | <u>Tree Stratum</u> (Plot slze:) 1 2 | Absolute % Cover | Species? St | tatus | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 3. 4. 5. Herb Stratum (Plot size: 5 radims) 1. Definand ra fasciculata 2.0 Yes Facu 2. Meliforus indicus 3. Promus rubers 3. Promus rubers 5. Polypagen melisperiensis 5. Polypagen menisperiensis 6. Vulpia myures 7. 8. Woody Vine Stratum (Plot size: 1. Woody Vine Stratum (Plot size: 2. Yes Cover of Plotic Crust Page Secural in North Stratum OBL species 2. x2 = 4 FACW species 2. x2 = 4 FACW species 2. x2 = 4 FACW species 2. x3 = FACU species 3.7 x4 = 14.8 UPL species 1.0 x5 = 5.0 Column Totals: 4.9 (A) 2.0.2 (B) Prevalence Index = BIA = 4.12 Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is <3.0 Morphological Adaptations' (Provice supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 4 | = | Total Cover | | Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: (A/B) |
| 1. Definande fasciculata 2. Melifotus indicus 3. Brownes embers 4. Centaurea melifersis 5. No UPL 4. Centaurea melifersis 5. No UPL 6. Vulpia myuros 7. Dominance Test is >50% Prevalence Index = B/A = 4.12 Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is <3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) Woody Vine Stratum (Plot size: 1. 1. 2. 49 (A) 207 (B) Prevalence Index = B/A = 4.12 Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index = B/A = 4.12 Hydrophytic Vegetation¹ (Explain) **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No Present? Yes No Present? **Indicators of hydric soil and wetland hydrology must be present? **Present?** Yes No Present? | 3. 4. 5. | | | | OBL species x1 = FACW species 2 x2 = 4 FAC species x3 = FACU species 37 - x4 = 198 |
| 5. Polypagon monspeliensis 2. NO FACM Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 8 | 1. Deinandra fasciculata 2. Melilotus indicas 3. Bromys rubers | <u>15</u> 5 | 1/25 f | FACY UPL- | Column Totals: $\frac{49}{}$ (A) $\frac{202}{}$ (B) Prevalence Index = B/A = $\frac{4.12}{}$ |
| Woody Vine Stratum (Plot size: 1. 2. 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic Vegetation Present? Yes No | 5. Polypagon monspeliensis 6. Vulpia myuros 7. | 2- | NO F | ACIV | Dominance Test is >50% Prevalence Index is ≤3,0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| Vegetation Present? Vegetation Present? Vegetation | 1 | | | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 8 | % Bare Ground in Herb Stratum 5/ % Cov Remarks: | ver of Biotic Cr | ust Ø | , | Vegetation Present? Yes No |

Sampling Point:

| Depth | Matrix | to the depth needed to document the indicator or confirm Redox Features | | 2 - |
|---------------|---|--|-------------------------|--|
| (Inches) | Color (moist) % | | % Type¹ Lo | c ² Texture Remarks |
| 0-6 | 10 YR 3/3 | NONE | NONE- | |
| | | | | |
| | | | | |
| - | | | | |
| | | (a) | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Type: C=Cr | oncentration, D=Depletion, RN | #=Reduced Matrix, CS=Co | vered or Coated Sar | nd Grains. ² Location; PL=Pore Lining, M=Matrix. |
| | ndicators: (Applicable to al | | | Indicators for Problematic Hydric Solis ³ : |
| Histosol | (A1) | Sandy Redox (S | 5) | 1 cm Muck (A9) (LRR C) |
| | olpedon (A2) | Stripped Matrix (| S6) | 2 cm Muck (A10) (LRR B) |
| Black His | stic (A3) | Loamy Mucky Mi | neral (F1) | Reduced Vertic (F18) |
| | n Sulfide (A4) | Loamy Gleyed M | | Red Parent Material (TF2) |
| | Layers (A5) (LRR C) | Depleted Matrix | | Other (Explain in Remarks) |
| _ | ck (A9) (LRR D) | Redox Dark Surf | | |
| | l Below Dark Surface (A11) irk Surface (A12) | Depleted Dark Si Redox Depression | | 3Indicators of hydrophytic vegetation and |
| _ | iucky Mineral (S1) | Vernal Pools (F9 | ` ' | wetland hydrology must be present, |
| | leyed Matrix (S4) | | , | unless disturbed or problematic. |
| | ayer (if present): | | | |
| Type: | 1-15 | 4 | | |
| Depth (inc | thes): | | | Hydric Soil Present? Yes No |
| Remarks: | | | | |
| * | | | 27 | |
| | | | | |
| | | | | |
| V550101 | | | | |
| YDROLO | | | | The state of the s |
| | Irology Indicators: | | | |
| Primary Indic | ators (minimum of one require | ed; check all that apply) | -4 | Secondary Indicators (2 or more required) |
| _ | Water (A1) | Salt Crust (B11) | | Water Marks (B1) (Riverine) |
| | ter Table (A2) | Biotic Crust (B1 | | Sediment Deposits (B2) (Riverine) |
| Saturatio | ` ' | Aquatic Inverteb | | Drift Deposits (B3) (Riverine) |
| | arks (β1) (Nonriverine) | — Hydrogen Sulfid | . , | Drainage Patterns (B10) |
| | t Deposits (B2) (Nonriverine) | | spheres along Living | |
| | osits (B3) (Nonriverine) | Presence of Re | - | Crayfish Burrows (C8) |
| _ | Soll Cracks (B6) | | duction in Tilled Soils | |
| | on Visible on Aerial Imagery (E | | | Shallow Aquitard (D3) |
| | ained Leaves (B9) | Other (Explain i | n Remarks) | FAC-Neutral Test (D5) |
| ield Observ | | d | | |
| Surface Wate | er Present? Yes | No V Depth (inches): | | |
| Nater Table I | Present? Yes | No Depth (inches): | | . / |
| Saturation Pr | | No Depth (Inches): | | Wetland Hydrology Present? Yes No 🗡 |
| includes cap | lllary fringe) :orded Data (stream gauge, m | ontoring wall parial photo- | nrevious inenestic | one) if available: |
| אבארווחה עפנ | oruen Data (sueam gauge, m | оппонну мен, аенагриото | a' breatons trishectio | one), ii avanabie. |
| 5 | a. 1 | | | |
| Remarks: | Mo funding | in a wence | years | |
| | No bonding | in south | 2_ | |
| | 6 | All man | | |
| | | | | |
| | | | | |

| WETLAND DETE | RMINATION | N DATA FORM - | Arid West Region |
|---|---|---|--|
| Landform (hillslope, terrace, etc.): 7.000 Me Subregion (LRR): 100 C Soundy Man Are climatic / hydrologic conditions on the site typical for the Are Vegetation 100, Soll 100, or Hydrology 100 Are Vegetation 100, Soll 100, or Hydrology 100 Are Vegetation 100, Soll 100, or Hydrology 100 | Lat: N3 Lat: N3 Constitute of year' significantly dis naturally problem | cction, Township, Ran ocal relief (concave, c 23 8 0) 7 Swyls 7 Yes No sturbed? Are "I | State: CA Sampling Point: B.B |
| Hydrophytic Vegetation Present? Yes | No X | is the Sampled within a Wetlan | Area |
| VEGETATION - Use scientific names of pla | | Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) 1 | % Cover | Species? Status | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2 3 | | | Total Number of Dominant Species Across All Strata: 2- (B) |
| 4. Sapling/Shrub Stratum (Plot size:) 1 | 60 25 15 100 | = Total Cover YES FACM YES MPL HO MPL = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: |
| % Bare Ground in Herb Stratum | over of Biotic Cr | · · | Vegetation Present? Yes No |
| Remarks: | | * | |

-955

| _ | | |
|---|--------|----|
| ~ | \sim | 11 |
| - | | |
| | | |

Sampling Point: 88

| Depth Metrix (inches) Color (maist) % | Redox Fe Color (moist) | atures % Type¹ Loc² | Texture Remarks |
|--|--|----------------------------|--|
| | NONE | | sandy loam |
| | | | |
| | | | , |
| | *** | | · · · · · · · · · · · · · · · · · · · |
| | | | |
| | | | |
| | | y | 2 |
| | | | |
| | ···· | | Participation of the second of |
| ¹Type: C≂Concentration, D=Depletion, RN | | | |
| Hydric Soil Indicators: (Applicable to al | | • | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) Histic Epipedon (A2) | Sandy Redox (S Stripped Matrix | , | 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) | Supped Mattix | · · · | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) | Loamy Gleyed N | ` ' | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) | Depleted Matrix | | Other (Explain In Remarks) |
| 1 cm Muck (A9) (LRR D) | Redox Dark Sur | | |
| Depleted Below Dark Surface (A11) | Depleted Dark S | | 3 |
| Thick Dark Surface (A12) | Redox Depressi Vernal Pools (F9 | ` ' | Indicators of hydrophytic vegetation and wetland hydrology must be present, |
| Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) | veinai ruois (re | ") | unless disturbed or problematic. |
| Restrictive Layer (if present): | | | 1 |
| Type: NONE | | | |
| Depth (Inches): | | | Hydric Soil Present? Yes No |
| Pamarke | 7 | | |
| in a colinal | anhay | | |
| In pipeloune |) array | | E) |
| 1 | V | | |
| HYDROLOGY | | | |
| Wetland Hydrology Indicators: | | | |
| Primary Indicators (minimum of one require | ed: check all that apply) | | Secondary Indicators (2 or more required) |
| Surface Water (A1) | Salt Crust (B11 |) | Water Marks (B1) (Riverine) |
| High Water Table (A2) | Blotic Crust (B | | Sediment Deposits (B2) (Riverine) |
| Saturation (A3) | Aquatic Inverte | brates (B13) | Drift Deposits (B3) (Riverine) |
| Water Marks (B1) (Nonriverine) | Hydrogen Sulfi | de Odor (C1) | Drainage Patterns (B10) |
| Sediment Deposits (B2) (Nonriverine) | Oxidized Rhizo | spheres along Living Ro | oots (C3) Dry-Season Water Table (C2) |
| Drift Deposits (B3) (Nonriverine) | Presence of Re | educed Iron (C4) | Crayfish Burrows (C8) |
| Surface Soll Cracks (B6) | , | duction in Tilled Soils (C | |
| Inundation Visible on Aerial Imagery (E | | • • | Shellow Aquitard (D3) |
| Water-Stained Leaves (B9) | Other (Explain | in Remarks) | FAC-Neutral Test (D5) |
| Field Observations: Surface Water Present? Yes | No. X Promote Plant 1 | . | |
| | |);); | |
| Water Table Present? Yes | and the second s | | dand Hydrology Present? Yes No X |
| Saturation Present? Yes (includes capillary fringe) | Depth (Inches, | : Wet | dand Hydrology Present? Yes No X |
| Describe Recorded Data (stream gauge, m | on!toring well, aerial photo | s, previous inspections) | , if avallable; |
| 25.0 | | | |
| Remarks: No Amaling | 10 2011/21 |)12_ | |
| 1.0 14.00.8 | Inc man of a super | - 1 - | |
| | | | |
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| | | × | |

WETLAND DETERMINATION DATA FORM - Arid West Region

| Project/Site: Newfort Banning Ranch City/County: ORAM | 36 CD. Sampling Date: 6-9-12 |
|--|---|
| Applicant/Owner: New Port Bannird Ranch LLC | State: CA Sampling Point: CC |
| Applicant/Owner: Now Plus Parties Part | : 529 T65 RAW |
| Investigator(s): TBomkamp Section, Township, Rang | Concaste Sign (80): 1 7 V |
| Landform (hillslope, terrace, etc.): 7-1/11.44 Local relief (concave, co | nvex, none): |
| Subregion (LRR): LRR - C Lat N33 8 07 | Long: W11752 H/ Datum: TUCKS 6 |
| Soil Map Unit Name: My Ford Sandy Dam 0-2 70 Slopes | NWI classification: NA |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | (If no, explain In Remarks.) |
| Are Vegetation No, Soll No, or Hydrology No significantly disturbed? Are "N | ormal Circumstances" present? Yes No |
| Are Vegetation No, Soil No, or Hydrology No naturally problematic? (If need | ded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling point loa | cations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Is the Sampled A | |
| | \rea |
| Wetland Hydrology Present? Yes No X | |
| Remarks: Feeture 15 often Pit excavated - | to lapair oil field |
| Intrastructure - | |
| Mark to an in the second | |
| | |
| VEGETATION - Use scientific names of plants. | Davis and Tast weeks back |
| Absolute Dominant Indicator Tree Stratum (Plot size:) | Dominance Test worksheet: Number of Dominant Species |
| 1 | That Are OBL, FACW, or FAC: (A) |
| 2 | Total Number of Dominant |
| 3. | Species Across All Strata: (B) |
| 4 | Percent of Dominant Species |
| = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size:) | Prevalence Index worksheet: |
| 1 | Total % Cover of: Multiply by: |
| 3 | OBL species x1= |
| 4. | FACW species 10 x 2 = 20 |
| 5 | FAC species x 3 = |
| = Total Cover | FACU species x 4 = |
| Herb Stratum (Plot size: | UPL species x5= |
| 1. Lythrum hyssopitalium Dilo Yes FACHI | Column Totals: 10 (A) 20 (B) |
| 2, | Prevalence Index = B/A = |
| 3 | Hydrophytic Vegetation Indicators: |
| 4 | Dominance Test is >50% |
| 5 | Prevalence Index is ≤3.01 |
| 7. | Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| B | |
| Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | 1. V. J. J. F. J. |
| 1, | ¹ Indicators of hydric soll and wetland hydrology must be present, unless disturbed or problematic. |
| 2 | N |
| = Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum % Cover of Blotic Crust | Present? Yes No No |
| Remarks: C / A Se Constant Pide in Open | ed no to regar |
| TRATURE IS EXCENATED III OTHER | P = 111 day |
| PIPECINE - area Fronts water | tor - in manys |
| Remarks: Frature is excavated fit open fifecine - area finds water and supports one opportunist | ic non-native weed: |

Sampling Point: _____

| T = 0 | document the Indicator or confirm | tile absence of indicators.) |
|--|--|---|
| Depth Matrix Color (moist) % Color (mo | Redox Features ist) % Type Loc² | Texture Remarks |
| 0-6 10 YR 3/2 NONE | | m dans oum |
| 1 | 3000 | - Call |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 3 | |
| | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Mar | trix, CS=Covered or Coated Sand Gra | nins. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soll indicators: (Applicable to all LRRs, unless | | Indicators for Problematic Hydric Solis ³ : |
| Histosol (A1) Sand | y Redox (S5) | 1 cm Muck (A9) (LRR C) |
| | ped Matrix (S6) | 2 cm Muck (A10) (LRR B) |
| | ny Mucky Mineral (F1) | Reduced Vertic (F18) |
| | ny Gieyed Matrix (F2) eted Matrix (F3) | Red Parent Material (TF2) Other (Explain in Remarks) |
| | x Dark Surface (F6) | One (Explain in Actuality) |
| _ ` ` | eted Dark Surface (F7) | |
| | x Depressions (F8) | ³ Indicators of hydrophytic vegetation and |
| _ · · · · | al Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | | unless disturbed or problematic. |
| Restrictive Layer (if present): | ĺ | * |
| Type: NANE | | Hudda Sall Bassad Van |
| Depth (inches): | | Hydric Soil Present? Yes No |
| Remarks: | | |
| | | |
| | | |
| | | 14 75 |
| HYDROLOGY | | · · · · · · · · · · · · · · · · · · · |
| | | |
| Wetland Hydrology Indicators: | at apply) | Secondary Indicators (2 or more required) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the | *** | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt | Crust (B11) | Water Marks (B1) (Riverine) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) High Water Table (A2) Biot | *** | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu | Crust (B11) ic Crust (B12) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| Wetland Hydrology Indicators: Primaty Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyd | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) |
| Wetland Hydrology Indicators: Primaty Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyd Sediment Deposits (B2) (Nonriverine) Oxic Drift Deposits (B3) (Nonriverine) Pres | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyd Sediment Deposits (B2) (Nonriverine) Oxid Drift Deposits (B3) (Nonriverine) Pres Surface Soll Cracks (B6) Rec | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) |
| Primaty Indicators (minimum of one required; check all that Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyd Sediment Deposits (B2) (Nonriverine) Oxid Drift Deposits (B3) (Nonriverine) Pred Surface Soll Cracks (B6) Rec Inundation Visible on Aerial Imagery (B7) | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyd Sediment Deposits (B2) (Nonriverine) Oxid Drift Deposits (B3) (Nonriverine) Pres Surface Soll Cracks (B6) Rec Inundation Visible on Aerial Imagery (B7) Thir Water-Stained Leaves (B9) | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) |
| Wetland Hydrology Indicators: Primaty Indicators (minimum of one required; check all that Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonrtverine) Hyd Sediment Deposits (B2) (Nonriverine) Oxide Drift Deposits (B3) (Nonriverine) Present Surface Soli Cracks (B6) Recommendation Visible on Aerial Imagery (B7) Third Water-Stained Leaves (B9) | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyd Sediment Deposits (B2) (Nonriverine) Oxid Drift Deposits (B3) (Nonriverine) Pres Surface Soli Cracks (B6) Rec Inundation Visible on Aerial Imagery (B7) Thir Water-Stained Leaves (B9) Other Field Observations: Surface Water Present? | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyd Sediment Deposits (B2) (Nonriverine) Oxid Drift Deposits (B3) (Nonriverine) Presumanta Surface Soli Cracks (B6) Recultured Indication Visible on Aerial Imagery (B7) Thir Water-Stained Leaves (B9) Other Field Observations: Surface Water Present? Yes No Dewords Indication Visible Present? Per No Dewords Indication Visible Present? | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) pth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neufral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyde Sediment Deposits (B2) (Nonriverine) Oxide Drift Deposits (B3) (Nonriverine) Presentation Visible on Aerial Imagery (B7) Thir Water-Stained Leaves (B9) Other Field Observations: Surface Water Present? Yes No Description of the Saturation Present? | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) pth (inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyd Sediment Deposits (B2) (Nonriverine) Oxid Drift Deposits (B3) (Nonriverine) Presumanta Surface Soli Cracks (B6) Recultured Indication Visible on Aerial Imagery (B7) Thir Water-Stained Leaves (B9) Other Field Observations: Surface Water Present? Yes No Dewords Indication Visible Present? Per No Dewords Indication Visible Present? | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) pth (inches): pth (inches): wetlan | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyde Sediment Deposits (B2) (Nonriverine) Oxide Drift Deposits (B3) (Nonriverine) Presentation Visible on Aerial Imagery (B7) Thire Water-Stained Leaves (B9) Other Surface Water Present? Yes No De Saturation Present? Yes No De Saturation Present? Yes No De Concludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, and the Surface was presented to the Surface well, and the Surface was presented to the Surf | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) pth (inches): pth (inches): wetlan aerial photos, previous Inspections), if | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyde Sediment Deposits (B2) (Nonriverine) Oxide Drift Deposits (B3) (Nonriverine) Presentation Visible on Aerial Imagery (B7) Thire Water-Stained Leaves (B9) Other Surface Water Present? Yes No De Saturation Present? Yes No De Saturation Present? Yes No De Describe Recorded Data (stream gauge, monitoring well, and the Surface Water Present). | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) pth (inches): pth (inches): wetlan aerial photos, previous Inspections), if | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyde Sediment Deposits (B2) (Nonriverine) Oxide Drift Deposits (B3) (Nonriverine) Presentation Visible on Aerial Imagery (B7) Thire Water-Stained Leaves (B9) Other Surface Water Present? Yes No De Saturation Present? Yes No De Saturation Present? Yes No De Describe Recorded Data (stream gauge, monitoring well, and the Surface Water Present). | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) pth (inches): pth (inches): wetlan | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyde Sediment Deposits (B2) (Nonriverine) Oxide Drift Deposits (B3) (Nonriverine) Presentation Visible on Aerial Imagery (B7) Thire Water-Stained Leaves (B9) Other Surface Water Present? Yes No De Saturation Present? Yes No De Saturation Present? Yes No De Describe Recorded Data (stream gauge, monitoring well, and the Surface Water Present). | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) pth (inches): pth (inches): wetlan aerial photos, previous Inspections), if | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all the Surface Water (A1) Salt High Water Table (A2) Biot Saturation (A3) Aqu Water Marks (B1) (Nonriverine) Hyde Sediment Deposits (B2) (Nonriverine) Oxide Drift Deposits (B3) (Nonriverine) Presentation Visible on Aerial Imagery (B7) Thire Water-Stained Leaves (B9) Other Surface Water Present? Yes No De Saturation Present? Yes No De Saturation Present? Yes No De Describe Recorded Data (stream gauge, monitoring well, and the Surface Water Present). | Crust (B11) ic Crust (B12) atic Invertebrates (B13) rogen Sulfide Odor (C1) dized Rhizospheres along Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Solls (C6) in Muck Surface (C7) er (Explain in Remarks) pth (inches): pth (inches): wetlan aerial photos, previous Inspections), if | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) S (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |

WETLAND DETERMINATION DATA FORM - Arid West Region Kanch City/County: ORange Co. Sampling Date: 6/9/12 Prolect/Site: Newfort Banning Applicant/Owner: New Port Bannird, Ranch LLC State: CA Sampling Point: Section, Township, Range: 529 T65 Rhw Landform (hillslope, terrace, etc.): Tenace Local relief (concave, convex, none): Cenave Slope (%): 227 Subregion (LRR): LRR-C Lat: N33 8 07 Long: W117 56 47 Datum: WGS 84 Soil Map Unit Name: My Ford Sandy Man 0-2 % Stopes NWI dassification: NA Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No _____ (If no, explain in Remarks.) Are Vegetation NO, Soll NO, or Hydrology NO significantly disturbed?

Are "Normal Circumstances" present? Yes_ Are Vegetation 100, Soil 100, or Hydrology 100 naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. No Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION -- Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: ____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Saplina/Shrub Stratum (Plot size: _____) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species _____ x 1 = ____ FACW species _____ x 2 = ____ FAC species FACU species = Total Cover Herb Stratum (Plot size: =5 FA di 115, UPL species 5 x5= 1. Deinandra fasciculata Column Totals: 30 (A) 175 (B) 2. Isocoma menziesii Prevalence Index = B/A = 4-17 Hydrophytic Vegetation Indicators: _ Dominance Test is >50% Prevalence Index is ≤3.0¹ ___ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 30 = Total Cover Woody Vine Stratum (Plot size: _____ ¹Indicators of hydric soll and wetland hydrology must be present, unless disturbed or problematic. 30 = Total Cover Hydrophytic Vegetation ____ No `` % Cover of Blotic Crust _ Present? % Bare Ground in Herb Stratum Remarks: area in stockpile

| Profile Description: (Describe to the d | • | | m the absence of i | ndicators.) |
|--|---|--|---|--|
| Depth Matrix (inches) Color (moist) % | Redox Fe Color (moist) | | Touties | Domoden |
| | | | Texture | Remarks |
| 0-6 7.5 YR 3/3 | NONE | NONE | | |
| | | | | |
| | | - 6 | | |
| | | | | |
| | | | | |
| 4) | | | | |
| | | | | |
| | | | , | |
| | | | | |
| Type: C=Concentration, D=Depletion, R | | | | n: PL=Pore Lining, M=Matrix. |
| tydric Soll Indicators: (Applicable to a | | · | | Problematic Hydric Solis ³ : |
| Histosol (A1) | Sandy Redox (S | · | 1 cm Muck | |
| Histic Epipedon (A2) Black Histic (A3) | Stripped Matrix Loamy Mucky N | | 2 cm Muck | (A10) (LRR B) |
| Hydrogen Sulfide (A4) | Loamy Gleyed I | | | t Material (TF2) |
| Stratified Layers (A5) (LRR C) | Depleted Matrix | | | lain in Remarks) |
| 1 cm Muck (A9) (LRR D) | Redox Dark Sur | , , | | ······································ |
| Depleted Below Dark Surface (A11) | Depleted Dark S | Surface (F7) | - | |
| Thick Dark Surface (A12) | Redox Depress | | | ydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Vernal Pools (F | 9) | • | ology must be present, |
| Sandy Gleyed Matrix (S4) Restrictive Layer (If present): | | | Uniess distur | bed or problematic. |
| 6.5 979 | | | | |
| Type: NOVE | | | | ~ |
| | | | Mudric Ball Dro | ront? Von No 🔨 |
| | | | Hydric Soil Pre | sent? Yes No |
| Remarks: | | X240H-0 | Hydric Soil Pre | sent? Yes No |
| | 077 - 57-445-445-445-445-445-445-445-445-445-4 | *************************************** | Hydric Soil Pre | sent? Yes No |
| | | | Hydric Soil Pre | sent? Yes No |
| Remarks: | | | Hydric Soil Pre | sent? Yes No |
| Remarks: YDROLOGY | | | Hydric Soil Pre | sent? Yes No |
| Remarks: YDROLOGY Wetland Hydrology Indicators: | red; check all that apply) | | | K. |
| Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require | | | Secondar | / Indicators (2 or more required) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Salt Crust (B1" | • | Secondar | / Indicators (2 or more required) Marks (B1) (Riverine) |
| Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | Salt Crust (B1' Biotic Crust (B | 12) | Secondar Wate | v Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) | Salt Crust (B1° Biotic Crust (B Aquatic Inverte | 12) brates (B13) | Secondar Wate: Sedin | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) |
| YDROLOGY Wetland Hydrology Indicators; Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) | Salt Crust (B1' Blotic Crust (B Aquatic Inverte Hydrogen Sulfi | 12) brates (B13) de Odor (C1) | Secondar Water Sedin Drift I. | / Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi | .12) bbrates (B13) de Odor (C1) spheres along Living Roi | Secondar Water Sedin Drift I Drain ots (C3) Dry-S | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required by the control of the cont | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo | .12) sbrates (B13) de Odor (C1) sspheres along Living Roi educed iron (C4) | Secondar Water Sedin Drift I Drain: ots (C3) Crayfi | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required by the second s | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re | .12) sbrates (B13) de Odor (C1) sspheres along Llving Roi educed iron (C4) sduction in Tilled Soils (C6 | Secondar Water Sedin Drift I Drain ots (C3) Crayfi Satur | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required by the second of the second o | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizc Presence of Re Recent Iron Re | .12) http://de.com/states (B13) de Odor (C1) hispheres along Living Role hispheres along Living Role hispheres (C4) hispheres (C4) hispheres (C7) | Secondar Water Sedin Drift I Drain Crayfi Satur Shalla | v Indicators (2 or more required) Marks (B1) (Riverine) Ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Age Patterns (B10) Beason Water Table (C2) Sh Burrows (C8) Ation Visible on Aerial Imagery (C5) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required by the control of the cont | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re (B7) Salt Crust (B1' | .12) http://de.com/states (B13) de Odor (C1) hispheres along Living Role hispheres along Living Role hispheres (C4) hispheres (C4) hispheres (C7) | Secondar Water Sedin Drift I Drain Crayfi Satur Shalla | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required in the second i | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re (B7) Thin Muck Sun | n12) hbrates (B13) de Odor (C1) hspheres along Living Roi educed Iron (C4) hduction in Tilled Soils (C6) face (C7) In Remarks) | Secondar Water Sedin Drift I Drain Crayfi Satur Shalla | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) |
| Process YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required in the second in the | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Thin Muck Sun Other (Explain No Depth (inches | n12) shrates (B13) de Odor (C1) spheres along Living Roi educed Iron (C4) eduction in Tilled Soils (C6 face (C7) In Remarks) | Secondar Water Sedin Drift I Drain Crayfi Satur Shalla | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required by the control of the cont | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re (B7) Thin Muck Sun | n12) sbrates (B13) de Odor (C1) sspheres along Living Roi educed Iron (C4) sduction in Tilled Soils (C6 face (C7) In Remarks) | Secondar Water Sedin Drift I Drain: Ots (C3) Stun Shalla FAC-I | VIndicators (2 or more required) Marks (B1) (Riverine) Ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B2) Deposits (B2) Deposits (B3) (Riverine) Deposits (B3) (Riverine) Deposits (B2) Deposi |
| Process YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required in the second in the | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Recent Iron Re Character (Explain No Depth (inches No Depth (Inches | nterpolar interpolar i | Secondar Water Sedin Drift I Drain: Ots (C3) Dry-S Crayfi Satur Shallo FAC-I | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) |
| Process YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required in the second in the | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Oxidized Rhizo Presence of Re Recent Iron Re Recent Iron Re Character (Explain No Depth (inches No Depth (Inches | nterpolar interpolar i | Secondar Water Sedin Drift I Drain: Ots (C3) Dry-S Crayfi Satur Shallo FAC-I | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Cs aw Aquitard (D3) Neutral Test (D5) |
| Primary Indicators (minimum of one required 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 (Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge, resource) | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Crust (B) Aquatic Inverte Hydrogen Sulfi Presence of Re Recent Iron Re Recent Iron Re Thin Muck Sun Other (Explain No Depth (inches No Depth (inches | nt2) sbrates (B13) de Odor (C1) spheres along Living Roceduced iron (C4) duction in Tilled Soils (C6 face (C7) In Remarks) | Secondar Water Sedin Drift I Drain: Ots (C3) Dry-S Crayfi Satur Shallo FAC-I | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Cs aw Aquitard (D3) Neutral Test (D5) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required by the second of the second o | Salt Crust (B1' Biotic Crust (B Aquatic Inverte Hydrogen Sulfi Crust (B) Aquatic Inverte Hydrogen Sulfi Presence of Re Recent Iron Re Recent Iron Re Thin Muck Sun Other (Explain No Depth (inches No Depth (inches | nterpolar interpolar i | Secondar Water Sedin Drift I Drain: Ots (C3) Dry-S Crayfi Satur Shallo FAC-I | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Canada April 1988) www. Aquitard (D3) Neutral Test (D5) |

WETLAND DETERMINATION DATA FORM - Arid West Region

| Project/Site: Newfort Banning Ran | ch city | Countr PRON | 134 CQ. Sampling Date: 6-9-12 |
|---|-------------------|------------------------|--|
| Applicant/Owner: New Port Bannirk, Ram | c'h LL | County, Orac | State: CA Sampling Point. EE |
| Investigator(s): TBonkamp | Sect | ion. Township, Rand | 90: 529 TGS RIDW |
| Landform (hillslope, terrace, etc.): Terralle | Lpca | al relief (concave, co | onvex, none): Conawc Slope (%): < 2 1 |
| Subregion (LRR): LRR -C | Lat N 33 | 207 | Long: W 117 54 47 Datum: WGS 86 |
| Soil Map Unit Name: My Force Sandy Inam | 0-27 | Shores | NWI classification: NA |
| Are climatic / hydrologic conditions on the site typical for this | time of year? | Yes XO No | (If no, explain in Remarks,) |
| Are Vegetation NO, Soil NO, or Hydrology NO si | | | Normal Circumstances" present? Yes NoNo |
| Are Vegetation NO, Soil NO, or Hydrology NO no | | | eded, explain any answers In Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | | | ' |
| | , | Ubining bount to | cations, nanocos, important reaction, otor |
| Hydrophytic Vegetation Present? Yes No | | is the Sampled | Area |
| Hydric Soil Present? Yes No | -X- | within a Wetland | d? Yes No |
| Wetland Hydrology Present? Yes No Remarks: | | | Company to the control of the contro |
| Remarks. | | | 1 |
| | | | 1 |
| | | - Continue | A SAME AND A STANLAR OF THE SAME AND A STANL |
| VEGETATION - Use scientific names of plan | | ominant Indicator I | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | , | becies? Status | Number of Dominant Species |
| 1. | | | That Are OBL, FACW, or FAC:(A) |
| 2 | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: (B) |
| 4. | | | Percent of Dominant Species 1 50% |
| Sapling/Shrub Stratum (Plot size:) | =] | ()[a] Cove | That Are OBL, FACW, or FAC: 2 - 30 (* (A/B) |
| 1, | | | Prevalence Index worksheet; |
| 2. | | | Total % Cover of: Multiply by: |
| 3, | | | OBL species |
| 4 | | | FACW species 20 x 2 ≈ 40 FAC species 3 x 3 = 4 |
| 5 | · —— — | Fotal Cover | FACU species 15 x4= 100 |
| Herb Stratum (Plot size: 57 radi NS | | J. C. C | UPL species/5 x 5 =7 S |
| 1. Deinandra fascicalaga | 25_ | 453 FACH | Column Totals: 63 (A) 224 (B) |
| 2. Centaurea melitensis | 10 | no UPL | Prevalence Index = B/A = 3.56 |
| 3. Isocoma menziesii | 5 10 | 165 FACT | Hydrophytic Vegetation Indicators: |
| 4. Polyphyon monspeliensis 5. Rumex orispys | 3 | no PAC | Dominance Test is >50% |
| | | | Prevalence Index is ≤3.01 |
| 7 | | | Morphological Adaptations ¹ (Provide supporting |
| 8, | | | data in Remarks or on a separate sheet) |
| | 63 = | Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | | | Indicators of hydric soil and wetland hydrology must |
| 1 | -,, | | be present, unless disturbed or problematic. |
| 2 | 62, = | Total Cover | Hydrophytic |
| 37 | er of Blotic Crus | cont. | Vegetation Present? Yes No |
| | STOLE OF STOLE | L | LIEBRINI 159 NO (|
| Remarks: | | | |
| Mell pak | | | |
| Marin Marin | | | |
| g g | | | |

| JOIL | N. 378 (1699). 10 5. | |
|--|---|--|
| Profile Description: (Describe to the depth | | confirm the absence of Indicators.) |
| Depth Matrix | Redox Features | oc² Texture Remarks |
| (inches) Color (mpist) % | Color (moist) % Type L | _oc² Texture Remarks |
| - HIGH W CON | parted | |
| (10) | 1,000 | |
| | 1 160 0 | 70 |
| | 1 10 | 01/ |
| 111211 100 | 00 11 0 | 9/0 |
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| | | |
| | | |
| 1 | | Zi and Di Pan Halan Makin |
| ¹Type: C=Concentration, D=Depletion, RM=F | | |
| Hydric Soil Indicators: (Applicable to all L | | Indicators for Problematic Hydric Solis ³ : |
| Histosol (A1) | Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) | Depleted Matrix (F3) | Other (Explain In Remarks) |
| 1 cm Muck (A9) (LRR D) | Redox Dark Surface (F6) | |
| Depleted Below Dark Surface (A11) | Depleted Dark Surface (F7) | |
| Thick Dark Surface (A12) | Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Vemal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | | unless disturbed or problematic. |
| Restrictive Layer (if present): | | |
| Type: | | _/ |
| | | |
| Depth (Inches): | _ | Hydric Soil Present? Yes No |
| Depth (Inches): | | Hydric Soil Present? Yes No/ |
| Depth (Inches): | | Hydric Soil Present? Yes No/ |
| | | Hydric Soil Present? YesNo/ |
| | | Hydric Soil Present? Yes No V |
| | | Hydric Soil Present? Yes No |
| Remarks: | | Hydric Soil Present? Yes No |
| Remarks: HYDROLOGY | | Hydric Soil Present? Yes No |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: | | |
| Remarks: HYDROLOGY | | Secondary Indicators (2 or more required) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: | Salt Crust (B11) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) | | Secondary Indicators (2 or more required) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) | Salt Crust (B11) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) | Salt Crust (B11) Biotic Crust (B12) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) SedIment Deposits (B2) (Nonriverine) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ing Roots (C3) Dry-Season Water Table (C2) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ing Roots (C3) Crayfish Burrows (C8) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required; 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) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Oils (C6) Saturation Visible on Aerial Imagery (C9) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required; 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) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) oils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required; 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 Leeves (B9) | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Oils (C6) Saturation Visible on Aerial Imagery (C9) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required; 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) Field Observations: | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) oils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required: 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) Field Observations: Surface Water Present? Yes N | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) oils (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required: 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) Field Observations: Surface Water Present? Yes N | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary indicators (minimum of one required; 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) Field Observations: Surface Water Present? Yes N. Water Table Present? Yes N. | Salt Crust (B11) Blotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Ing Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
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| WETLAND DETER | MINATIC | N DATA | FORM - | Arid West Region |
|---|--------------|--------------|--------------------------|---|
| Project/Site: Newfort Banning Rain | ch o | City/County: | Oran | 196 CO. Sampling Date: 6/9//2 |
| Applicant/Owner New PIRT BANNING RAM | ch L | LL | | State: CA Sampling Point: F |
| Investigator(s): TBomkamp | | Section, Tov | vnship, Ran | ge: 539 T65 KMW |
| Landform (hillslope, terrace, etc.): Terrace | | Local relief | (concave, c | onvex, none): Concave Slope (%): < 2 [|
| Subregion (LRR): LRR-C | Lat: N | 33 8 C | 7 | Long: W 117 56 47 Datum: WGS 8 |
| Soil Map Unit Name: My Ford Sandy Inam | 0-2 | Do 81 | MYSLS | NWI classification: NA |
| Are climatic / hydrologic conditions on the site typical for this | time of vea | er? Yes) | C No | (If no, explain in Remarks.) |
| Are Vegetation | onificantly | disturbed? | Are " | Normal Circumstances® present? Yes No |
| Are Vegetation No., Soil No., or Hydrology No. na | aturally are | hlematic? | | eded, explain any answers In Remarks.) |
| | | | | |
| SUMMARY OF FINDINGS - Attach site map s | showing | samplin | g point ic | ocations, transects, important leatures, etc. |
| Hydrophytic Vegetation Present? Yes No | × 1 | The safe | | K |
| Hydric Soil Present? Yes No | | | e Sampled in a Wetlan | N/ |
| Wetland Hydrology Present? Yes No | -K | William | nra rremar | |
| Remarks: | | | | |
| | | | | |
| | | | | |
| VEGETATION – Use scientific names of plant | ts. | | | |
| | Absolute | Dominant | Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | | Species? | | Number of Dominant Species |
| 1, | | | | That Are OBL, FACW, or FAC: (A) |
| 2 | | | | Total Number of Dominant |
| 3 | | | | Species Across All Strata: (B) |
| 4 | | | | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | _ = Total Co | over | That Are OBL, FACW, or FAC: (A/B) |
| 1 | | | | Prevalence Index worksheet: |
| 2. | | | | Total % Cover of: Multiply by: |
| 3 | | | | OBL species x1 = |
| 4. | | | | FACW species |
| 5 | | | - | FAC species 5 x 3 = 7 |
| 2 miles - Contracting | | _ = Total Co | over | FACU species 38 x4= /52 |
| Hero Stratum (Plot size: 557 radins) 1. Deinor dra fassicalata | 35 | 425 | FACE | UPL species 51 $x5 = 255$ Column Totals: 92 (A) 416 (B) |
| 2. Centauren melitensis | 40 | 4.65 | MPL | Column Totals: 92 (A) 4/6 (B) |
| 3. Browns rupens | 4- | no | MPL | Prevalence Index = B/A = 4.52 |
| 4. Bassia hyscopifalia | 3 | no | FAC | Hydrophytic Vegetation Indicators: |
| 5. Salsola tragus | 3 | V) O | FACH | Dominance Test Is >50% |
| 6. Isosoma merziesii | 5 | 6.0 | MPL | Prevalence Index is ≤3.0° |
| 7. Hirschifeldia incana | 2 | h 0 | MOL | Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | | | Problematic Hydrophytic Vegetation¹ (Explain) |
| | 92 | = Total C | over | Troblement fydrophydio ybgobilen (bxpiani) |
| Woody Vine Stratum (Plot size:) | | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 1 | - | | | be present, unless disturbed or problematic. |
| 2 | 672 | _ = Total C | nver | Hydrophytic |
| 8 | | | A2 | Vegetation |
| % Bare Ground in Herb Stratum % Cove | er of Biotic | Crust | | Present? Yes No No |
| Remarks: | | | | |
| | | | | |
| | | | | |
| | | | | |

| 0 | $ \sim $ | 11 |
|---|----------|----|
| J | v | ╙ |

Sampling Point: FF

| Depth | | • | ded to documen | | tothilli the go. | |
|---|--|---|--|---|--------------------------|--|
| (inches) | Color (moist) | % Co | Redox Fe for (moist) | | .oc² Text | ure Remarks |
| 0-6 | 10 YR 3/3 | | NE | NONE | | |
| | 10 11 5/3 | | <i>7</i> - c | | | |
| | * * | | | | | |
| | | | | | | |
| | | | | | | |
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| | - | | | | | |
| | • | | | 1 | | |
| | | | | | | The second section of the second section of |
| | | | | | | |
| | Concentration, D=Deple | | | | | ² Location: PL=Pore Lining, M=Matrix. |
| • | Indicators: (Applica | ble to all LRRs, | | | | cators for Problematic Hydric Solis ³ : |
| Histoso | ` ' | | _ Sandy Redox (S | | | 1 cm Muck (A9) (LRR C) |
| _ | Epipedon (A2) | _ | Stripped Matrix | | | 2 cm Muck (A10) (LRR B) |
| | listic (A3) en Sulfide (A4) | | _ Loamy Mucky N _ Loamy Gleyed I | | _ | Reduced Vertic (F18) Red Parent Material (TF2) |
| | ed Layers (A5) (LRR C | · | Depleted Matrix | | | Other (Explain in Remarks) |
| | luck (A9) (LRR D) | - | Redox Dark Su | | | |
| | ed Below Dark Surface | (A11) | Depleted Dark S | | | |
| | ark Surface (A12) | | Redox Depress | ions (F8) | ³Indi- | cators of hydrophytic vegetation and |
| | Mucky Mineral (S1) | | Vemal Pools (F | 9) | | etland hydrology must be present, |
| | Gleyed Matrix (S4) | | | | иг | less disturbed or problematic. |
| Restrictive | Layer (if present): | | | | i. | |
| Type: | NONE | | | | | V. |
| Depth (in | nches): | | | | Hydri | ic Soil Present? Yes No |
| Remarks: | | | | | | |
| • | | | | | | |
| | | | | | | • |
| | | | | | | |
| HYDROLC | OGY | | **** | | | |
| | drology Indicators: | | | | | |
| | • | e required; chac | k all that apply) | | | Secondary Indicators (2 or more required) |
| | icators (minimum of on | | | | | |
| | icators (minimum of on Water (A1) | ic regalies, ence | Salt Cnist (B1) | 1) | | Water Marks (B1) (Riverine) |
| Surface | e Water (A1) | | Salt Crust (B1 | | | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| Surface | e Water (A1) /eter Table (A2) | | Biotic Crust (B | 12) | | Sediment Deposits (B2) (Riverine) |
| Surface High W Saturati | e Water (A1) /ater Table (A2) ion (A3) | - | Biotic Crust (B Aquatic Inverte | 12) ebrates (B13) | | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) |
| Surface High W Saturati Water M | e Water (A1) /ater Table (A2) ion (A3) warks (B1) (Nontiverin | ne) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf | 12) ebrates (B13) ide Odor (C1) | na Roots (C3) | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| Surface High W Saturati Water M Sedime | e Water (A1) /eter Table (A2) ion (A3) warks (B1) (Nonriverlr ent Deposits (B2) (Non | ne) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize | 12) ebrates (B13) ide Odor (C1) ospheres along Livi | ng Roots (C3) | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Dry-Season Water Table (C2) |
| Surface High W Saturati Water M Sedime Drift De | e Water (A1) /eter Table (A2) ion (A3) Marks (B1) (Nonriverir ent Deposits (B2) (Nonriveri eposits (B3) (Nonriveri | ne) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize Presence of R | 12) ebrates (B13) ide Odor (C1) ospheres along Livi educed Iron (C4) | | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| Surface High W Saturati Water M Sedime Drift De Surface | e Water (A1) fater Table (A2) fon (A3) Marks (B1) (NonriverIr ent Deposits (B2) (NonriverIr eposits (B3) (NonriverIr e Soil Cracks (B6) | ne) ríverine) ne) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize Presence of R Recent Iron Re | 12) bebrates (B13) ide Odor (C1) bespheres along Livi educed Iron (C4) eduction in Tilled So | | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) |
| Surface High W Saturati Water M Sedime Drift De Surface Inundat | e Water (A1) fater Table (A2) fon (A3) Marks (B1) (Nonriverir ent Deposits (B2) (Non- eposits (B3) (Nonriveri e Soil Cracks (B6) tion Visible on Aerial Im | ne) ríverine) ne) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize Presence of R Recent Iron Re Thin Muck Sur | 12) bebrates (B13) ide Odor (C1) bespheres along Livi educed Iron (C4) eduction in Tilled Soface (C7) | | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S | e Water (A1) fater Table (A2) fon (A3) Marks (B1) (Nonriverir ent Deposits (B2) (Non- eposits (B3) (Nonriverir e Soil Cracks (B6) tion Visible on Aerial Im Stalned Leaves (B9) | ne) ríverine) ne) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize Presence of R Recent Iron Re | 12) bebrates (B13) ide Odor (C1) bespheres along Livi educed Iron (C4) eduction in Tilled Soface (C7) | | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) |
| Surface High W Saturat Water M Sedime Drift De Surface Inundat Water-S Field Obser | e Water (A1) fater Table (A2) fon (A3) Marks (B1) (Nonriverinent Deposits (B2) (Nonriverinent Deposits (B3) (Nonriverinent Caposits (B6) (Nonriverinent Caposits (B6) (Nonriverinent Caposits (B6) (Nonriverinent Caposits (B6)) fon Visible on Aerial Impations: | ne)ne) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize Presence of R Recent Iron Re Thin Muck Sur Other (Explain | 12) ebrates (B13) ide Odor (C1) ospheres along Livi educed Iron (C4) eduction in Tilled So face (C7) In Remarks) | | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obser Surface Water | e Water (A1) fater Table (A2) fon (A3) Marks (B1) (Nonrivering ent Deposits (B2) (Nonrivering eposits (B3) (Nonrivering e Soil Cracks (B6) tion Visible on Aerial Im Stained Leaves (B9) rvations: ter Present? Ye | ne)ne)ne)ne)nagery (B7) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize Presence of R Recent Iron Re Thin Muck Sur Other (Explain | 12) ebrates (B13) ide Odor (C1) ospheres along Livi educed iron (C4) eduction in Tilled So face (C7) in Remarks) | | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obser Surface Water Table | e Water (A1) fater Table (A2) fon (A3) Marks (B1) (Nonrivering ent Deposits (B2) (Nonrivering esposits (B3) (Nonrivering esposits (B3) (Nonrivering esposits (B6) tion Visible on Aerial Implications ter Present? Yespresent? | ne)ne)ne)ne)negery (B7)s No | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize Presence of R Recent Iron Re Thin Muck Sur Other (Explain Depth (inches | 12) ebrates (B13) ide Odor (C1) ospheres along Livi educed Iron (C4) eduction in Tilled So face (C7) in Remarks) | oils (C6) | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Surface High W Saturati Water M Sedime Drift De Surface Inundat Water-S Field Obser Surface Water Table Saturation F | e Water (A1) fater Table (A2) fon (A3) Marks (B1) (Nonrivering ent Deposits (B2) (Nonrivering esposits (B3) (| ne)ne)ne)ne)nagery (B7) | Biotic Crust (B Aquatic Inverte Hydrogen Sulf Oxidized Rhize Presence of R Recent Iron Re Thin Muck Sur Other (Explain | 12) ebrates (B13) ide Odor (C1) ospheres along Livi educed Iron (C4) eduction in Tilled So face (C7) in Remarks) | oils (C6) | Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
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WETLAND DETERMINATION DATA FORM - Arid West Region

| Project/Site: Newfort Banning Roundh City/County: | PRANGL CO. Sampling Date: 6-9-13 |
|---|--|
| Applicant/Owner New Port Banning Ranch LLC | State: CA Sampling Point 67 |
| Investigator(s): TBomkamp Section, Town | ship, Range: 529 T65 ROW |
| Landform (hillslope, terrace, etc.): Terrace Local relief (co | Some convey popel: CONGANE Slope (%): / 2.1 |
| Landform (hillslope, terrace, etc.): / T/ LA, Carron Local relief (co | Silcave, convex, none). See 15 17 17 Docum M/S 8 |
| Subregion (LRR): LRR -C Lat: N33 8 07 | Long: VVIII 5 to TI Datum: VVIII 5 |
| Soil Map Unit Name: My Force Sandy James 0-270 Slo | |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes | No (If no, explain in Remarks.) |
| Are Vegetation No., Soil No., or Hydrology No. significantly disturbed? | Are "Normal Circumstances" present? Yes No |
| Are Vegetation No., Soil No., or Hydrology No. naturally problematic? | (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling | point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No X | Coupled Aven |
| | Sampled Area a Wetland? Yes No |
| Wetland Hydrology Present? Yes No No | a vyetialiti |
| Remarks: | |
| VEGETATION – Use scientific names of plants. | odicator Dominance Test worksheet: |
| Absolute Dominant in Tree Stratum (Plot size:) | Ptehin |
| 1 | The state of the s |
| 2. | |
| 3 | TOTAL HOLLIOGI DI DOLLINGOLI |
| 4. | |
| = Total Cove | |
| Sabling/Shrub Stratum (Plot size:) | |
| 1 | Tele 9/ Court of Multiply by: |
| 2 | ODI energies v 1 - |
| 3 | F16141 |
| 4 | FAC species x 3 = |
| 5 | |
| Herb,Stratum (Plot size:) | UPL species |
| 1. Hirschfeldia Incana 5% ves | Column Totals: 10 (A) 50 (B) |
| 2. Bromus Madritonsis Whens 578 yes | |
| 3 | Prevalence Index = B/A = 5.0 |
| 4 | Hydrophytic Vegetation Indicators: |
| 5 | Dominance Test is >50% |
| 6 | Prevalence Index is ≤3,01 |
| 7 | Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | |
| 1 D = Total Cov | EL |
| Woody Vine Stratum (Plot size:) | ¹ Indicators of hydric soil and wetland hydrology must |
| 1 | be present, unless disturbed or problematic. |
| 2 | Hydrophytic A |
| | Vegetation X |
| % Bare Ground in Herb Stratum 40 % Cover of Blotic Crust | Present? Yes No V |
| Remarks: | |
| Active well site | |
| Active WWW. Sittle | |
| 1. 1 | |

| Depth (inches) | Matrix Color (moist) | % | Redox Featu Color (moist) % | res Type¹ Loc² | Texture Remarks . |
|--|---|---|--|---|---|
| n - b | | | | No. 15 | Sandy lom - In Road well |
| 1-2 | 104x 3/2 | 100 | NONE_ | | Juny = In Coal Page |
| | | | | | |
| | · | | | | |
| | | | | | |
| | | | | | |
| | 02 | | | | |
| | | | | | |
| | | | | | |
| Type: C=C | oncentration. D=Dep | letion, RM=1 | Reduced Matrix, CS=Cove | ered or Coated Sand C | Srains. ² Location: PL=Pore Lining, M=Matrix. |
| | | | RRs, unless otherwise n | | Indicators for Problematic Hydric Soils ³ : |
| _ Histosol | I (A1) | | Sandy Redox (S5) | | 1 cm Muck (A9) (LRR C) |
| Histic E | plpedon (A2) | | Stripped Matrix (St | 3) | 2 cm Muck (A10) (LRR B) |
| _ | Istic (A3) | | Loamy Mucky Mine | | Reduced Vertic (F18) |
| _ , - | en Sulfide (A4) | | Loamy Gleyed Mar | | Red Parent Material (TF2) |
| _ | d Layers (A5) (LRR C | C) | Depleted Matrix (F | | Other (Explain In Remarks) |
| | uck (A9) (LRR D) d Below Dark Surface | p /Δ11\ | Redox Dark Surface Depleted Dark Sur | | |
| | ark Surface (A12) | c (\\\ 11) | Redox Depression | | ³ Indicators of hydrophytic vegetation and |
| _ | Aucky Mineral (S1) | | Vernal Pools (F9) | , | wetland hydrology must be present, |
| | Gleyed Matrix (S4) | | | | unless disturbed or problematic. |
| estrictive | Layer (if present): | _ | | | |
| Type: | KIIIPI | · | | | √ |
| Depth (in | ches): | | | | Hydric Soil Present? Yes No / |
| | | | | | |
| Remarks: | | | | | |
| Remarks: | | | | | |
| Remarks: | : | | | | |
| Remarks: | | | | | |
| | o GY | | | | |
| /DROLO | | | avega ramina | | |
| /DROLO | drology Indicators: | ne tenulred: | check all that anniv) | | Secondary Indicators (2 or more required) |
| DROLO | drology Indicators: cators (minimum of or | ne regulred; | | | Secondary Indicators (2 or more required) |
| DROLO letland Hy nimaly Indle Surface | drology Indicators: cators (minimum of or Water (A1) | ne reaulred; | Salt Crust (B11) | | Water Marks (B1) (Riverine) |
| DROLO /etland Hy nimaiy Indle Surface High Wa | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) | ne regulred; | Salt Crust (B11) Biotic Crust (B12) | A.3. | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| DROLO etland Hy imaiv Indle Surface High Wa Saturati | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) | | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra | ates (B13) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) |
| 'DROLO 'etland Hy nimaiv Indli Surface High Wa Saturati Water M | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) tarks (B1) (Nonriveri | ne) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebri Hydrogen Sulfide | ales (B13) Odor (C1) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| OROLO Vetland Hy rimaly Indli Surface High Wa Saturati Water M Sedimei | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) darks (B1) (Nonriverl nt Deposits (B2) (Nor | ne) nriverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxldized Rhizosp | ates (B13) Odor (C1) heres along Living Ro | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) |
| DROLO etland Hy imaly Indli Surface High Wa Saturati Water M Sedimei | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nor posits (B3) (Nonriver | ne) nriverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxldized Rhizosp Presence of Redu | ales (B13) Odor (C1) heres along Living Rouced Iron (C4) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| DROLO etland Hy imaiv Indli Surface High Wa Saturati Water M Sedimei Driff Dej Surface | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriverl int Deposits (B2) (Nor posits (B3) (Nonriver Soll Cracks (B6) | ne) nriverine) line) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebra Hydrogen Sulfide Oxldized Rhizosp Presence of Redu Recent Iron Redu | ates (B13) Odor (C1) heres along Living Rouced Iron (C4) action in Tilled Soils (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) |
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| YDROLO Vetland Hy Primary Indle Surface High Wa Saturati Water M Sedimer Durface Inundati Water-S Field Obser Surface Wat Vater Table Saturation P | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nonriveri soli Cracks (B6) on Visible on Aerial In Stained Leaves (B9) vations: er Present? Present? Ye present? | ne) nriverine) ine) magery (B7) es N es N | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebri Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain In Depth (Inches): Depth (Inches): | ales (B13) Odor (C1) heres along Living Rouced Iron (C4) action in Tilled Soils (Ce (C7) Remarks) Wet | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) tland Hydrology Present? Yes No |
| YDROLO Vetland Hy Primary Indle Surface High Wa Saturati Vater M Sedimer Drift Der Surface Inundati Water-S Gurface Water Surface Water Table Saturation P Includes car | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nonriveri soli Cracks (B6) on Visible on Aerial In Stained Leaves (B9) vations: er Present? Present? Ye present? | ne) nriverine) ine) magery (B7) es N es N | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebri Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain In Depth (Inches): Depth (Inches): | ales (B13) Odor (C1) heres along Living Rouced Iron (C4) action in Tilled Soils (Ce (C7) Remarks) Wet | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| /DROLO /etland Hy rimaiv India Surface High Wa Saturati Water M Sedimen Drift De Surface Inundati Water-S leid Obser urface Wat /ater Table aturation car escribe Re | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nonriveri soli Cracks (B6) on Visible on Aerial In Stained Leaves (B9) vations: er Present? Present? Ye present? | ne) nriverine) ine) magery (B7) es N es N | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebri Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain In Depth (Inches): Depth (Inches): | ales (B13) Odor (C1) heres along Living Rouced Iron (C4) action in Tilled Soils (Ce (C7) Remarks) Wet | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) tland Hydrology Present? Yes No |
| PROLO Petland Hy rimaiy India Surface High Water M Sedimer Drift De Surface Inundati Water-S eld Obser urface Wat fater Table aturation cal escribe Re | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nonriveri soli Cracks (B6) on Visible on Aerial In Stained Leaves (B9) vations: er Present? Present? Ye present? | ne) nriverine) ine) magery (B7) es N es N | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebri Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain In Depth (Inches): Depth (Inches): | ales (B13) Odor (C1) heres along Living Rouced Iron (C4) action in Tilled Soils (Ce (C7) Remarks) Wet | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) tland Hydrology Present? Yes No |
| PROLO Petland Hy rimaiy India Surface High Water M Sedimer Drift De Surface Inundati Water-S eld Obser urface Wat fater Table aturation cal escribe Re | drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) (Nonriveri nt Deposits (B2) (Nonriveri soli Cracks (B6) on Visible on Aerial In Stained Leaves (B9) vations: er Present? Present? Ye present? | ne) nriverine) ine) magery (B7) es N es N | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebri Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain In Depth (Inches): Depth (Inches): | ales (B13) Odor (C1) heres along Living Rouced Iron (C4) action in Tilled Soils (Ca) e (C7) Remarks) Wet | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) tland Hydrology Present? Yes No |

| WETLAND DETE | RMINATION | DATA FORM - | Arid West Region |
|---|--------------------|--|--|
| roject/site: NewPort Banning Ra | meh city | County: DRAN | 134 CO. Sampling Date: 6/1//2 |
| collegationer New PINT BANNING, RA | mich LL | 6 | State: CA Sampling Point: F/F/ |
| westinator(s). Tisonikamp | Sec | tion, Township, Ran | ge: 529 T65 KOW |
| andform (hillslope terrace etc.): 7400 44 | Loc | al relief (concave, c | onvex, none): Concave Slope (%): |
| phregion (LRR): LRR -C | Lat N 3 | 3 8 07 | Long: W 117 56 47 Datum: WGS |
| oil Map Unit Name: My Force Sandy Man | 0-27 | o stores | NVVI classification: NA |
| e alimatic (budgalagic conditions on the site typical for t | his time of year? | Yes No | (If no, explain In Remarks.) |
| - Variable 1 No. Sall NO or Hydrology NO. | significantly dist | urberd? Are "h | Normal Circumstances* present? Yes No |
| re Vegetation No., Soil No. or Hydrology No | algimouting dist | matic? (If nea | eded, explain any answers in Remarks.) |
| | | | |
| UMMARY OF FINDINGS – Attach site map | showing sa | mpling point ic | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes | No DE | is the Sampled | Δεοα |
| Hydric Soil Present? Yes | | within a Wetlan | d? Yes No X |
| Wetland Hydrology Present? Yes | No X | WALLEY OF THE PARTY OF THE PART | |
| Remarks: | | | |
| | | | |
| | | | |
| EGETATION - Use scientific names of pla | ente | | |
| EGETATION - Use scientific flames of pre | | ominant Indicator | Dominance Test worksheet: |
| Free Stratum (Plot size:) | | pecies? Status | Number of Dominant Species |
| 1 | | | That Are OBL, FACW, or FAC: (A) |
| | | | Total Number of Dominant |
| 3 | | | Species Across All Strata; (B) |
| 4 | | | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size:) | | Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1 | | | Prevalence Index worksheet; |
| 2 | | | Total % Cover of:Multiply by: |
| 3 | | | OBL species x1= |
| 4 | | | FACW species x 2 = |
| 5 | | | FAC species |
| re radius | = | Total Cover | FACU species 50 $x = 200$ UPL species 70 $x = 50$ |
| Herb Stratum (Plot size: 55° radiu) 5 1. Deinandra fasciculata | 4-0 | YES FACH | |
| 2. Paccharis Salicifolia | 5 | no FAC | (7) |
| 3. Baccharis every | 10 | no upu | Prevalence Index = B/A = 4.08 |
| 4. Heliotropium curassavicum | | NO FACE | Hydrophytic Vegetation Indicators: |
| 5. Melilotus indicus | S | no FACU | Dominance Test is >50% |
| 6. | | | Prevalence Index is ≤3.01 |
| 7. | | | Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8. | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| | 65 = | Total Cover | Problemate Hydrophysic vegetation (Explain) |
| Woody Vine Stratum (Plot size:) | | | 'Indicators of hydric soil and wetland hydrology must |
| 1 | | | be present, unless disturbed or problematic. |
| 2 | <i>L</i> , ⊂ . | Total Cover | Hydrophytic |
| って | | | Vegetation |
| % Bare Ground in Herb Stratum 35 % Co | over of Biotic Cru | st | Present? Yes No / |
| Remarks: | | | |
| | | | |
| | | | |
| | | | |

Sampling Point: HH

| Depth Matrix | | Red | ox Features | | _ | | | | |
|---|--|---|---|---|--------------------|---|--|--|-------------------------------|
| (Inches) Color (moist) | | Color (moist) | % | Type' Loc2 | | | Rem | arks | |
| 0-6 10 YR 3/3 | | VONE- | | NONE | clay | loam | | | |
| | | | | | J | | | | |
| | | | | | | | | | |
| | | | | | | | | | 7.5180 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | eran | | | | | | |
| | | | (9) | | | | | | |
| ense von | | | | | | | | | |
| Type: C=Concentration, D=De | aniation DM=Ray | dured Matrix C | S=Covered | or Coated Sans | d Grains | ² Location: F | Pl =Pore I in | log M=M | atriv |
| lydric Soil Indicators: (Appl | | | | | Indic | ators for Pro | blematic H | vdric Soi | is³: |
| Histosol (A1) | | Sandy Red | | , | | cm Muck (As | | , | |
| Histic Epipedon (A2) | | Stripped M | | | | cm Muck (A1 | , | i | |
| Black Histle (A3) | | | cky Mineral | (F1) | _ | Reduced Vertic | , - | | |
| Hydrogen Sulfide (A4) | | | yed Matrix | | | Red Parent Ma | |) | |
| Stratified Layers (A5) (LRF | (C) | Depleted N | datrix (F3) | | , (| Other (Explain | In Remarks | s) | |
| 1 cm Muck (A9) (LRR D) | | | rk Surface (l | | | | | | |
| Depleted Below Dark Surfa | ice (A11) | | Dark Surface | | | | - | | |
| Thick Dark Surface (A12) | | | oressions (F | 8) | | ators of hydro | | | 4 |
| Sandy Mucky Mineral (S1) | | Vernal Poo | ols (F9) | | | tland hydrolog | - | | |
| Sandy Gleyed Matrix (S4) Restrictive Layer (If present): | | | | | un | ess disturbed | or problem | auc, | |
| T | C- | | | | | | | | |
| Type: | NE | = | | | | 0. 11 0 | 15. 17. | | 10 <u>K</u> |
| Depth (inches): | | | | | | Soil Presen | t? Yes_ | | 10 W |
| Remarks: | ****** | | | | Hydra | | . 100_ | | |
| Remarks: | | | | | - Inyurn | | 100 | | |
| YDROLOGY | s: | | | | [Hydri | | 100 | | |
| Remarks: YDROLOGY Wetland Hydrology Indicators | | neck all that app | oly) | | | Secondary Inc | | | |
| Remarks: YDROLOGY Vetland Hydrology Indicators | | neck all that app | | | | | dicators (2 d | or more re | |
| Remarks: YDROLOGY Vetland Hydrology Indicators Primary Indicators (minimum of | | | t (B11) | | | Secondary Inc Water Ma | dicators (2 d | or more re | ouired) |
| YDROLOGY Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) | | Salt Crus | t (B11) | s (B13) | | Secondary inc Water Ma Sediment | dicators (2 c | or more re lverine) 32) (Rive | ouired) |
| YDROLOGY Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) | one regulred; ch | Salt Crus Blotic Cru Aquatic Ir | t (B11) ust (B12) | | | Secondary ind Water Ma Sediment Drift Depo | dicators (2 crks (B1) (R Deposits (| or more re lverine) 32) (Rive Riverine) | ouired) |
| YDROLOGY Vetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) | one reaulred; ch | Salt Crus Blotic Cru Aquatic Ir Hydrogen | t (B11) ust (B12) nvertebrates n Sulfide Od | | | Secondary Inc Water Ma Sediment Drift Depo Drainage | dicators (2 c rks (B1) (R Deposits (i osits (B3) (F Patterns (E | or more re lverine) 32) (Rive Riverine) 310) | ouired) |
| YDROLOGY Wetland Hydrology Indicators Primary Indicators (mInimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive | one reaulred; ch | Salt Crus Blotic Cru Aquatic Ir Hydrogen | t (B11) ust (B12) nvertebrates n Sulfide Od Rhlzospher | lor (C1) es along Living I | Roots (C3) | Secondary Inc Water Ma Sediment Drift Depo Drainage | dicators (2 c rks (B1) (R Deposits (i osits (B3) (F Patterns (E on Water T | or more re lverine) 32) (Rive Riverine) 310) able (C2) | ouired) |
| YDROLOGY Wetland Hydrology Indicators Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (N | one reaulred; ch | Salt Crus Blotic Cru Aquatic Ir Hydrogen Oxidized Presence | t (B11) ust (B12) nvertebrates n Sulfide Od Rhizospher nof Reducer | lor (C1) es along Living I | Roots (C3) | Secondary Inc Water Ma SedIment Drift Depo Drainage Dry-Seas | dicators (2 c rks (B1) (R Deposits (I osits (B3) (F Patterns (E on Water T Burrows (Ct | or more re lverine) 32) (Rive Riverine) 410) able (C2) | ouired) rlne) |
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| YDROLOGY Wetland Hydrology Indicators Primary Indicators (mInimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (N Drift Deposits (B3) (Nonrive Surface Soll Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Saturation Present? Staturation Present? Concludes capillary fringe) Describe Recorded Data (streat | one required; of one re | Salt Crus Blotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In Thin Muc Other (Ex Depth (ir Depth (ir Depth (ir | f (B11) ust (B12) nvertebrates i Sulfide Od Rhizospher of Reducer on Reduction k Surface (Coplain in Ren nches): | lor (C1) es along Living I d Iron (C4) on in Tilled Soils C7) marks) welvious inspection | Roots (C3) (C6) | Secondary Inc Water Ma Sediment Drift Depo Drainage Dry-Seas Crayfish I Saturation Shallow A FAC-Neur | dicators (2 c rks (B1) (R Deposits (B patterns (B on Water T Burrows (Cl on Visible on equitard (D3 tral Test (D | or more re lverine) 32) (Rive Riverine) 310) able (C2) 3) Aerial Im 3) | rine) agery (C9 |
| YDROLOGY Vetland Hydrology Indicators Primary Indicators (mInimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (N Drift Deposits (B3) (Nonrive Surface Soil Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present? Saturation Present? Includes capillary fringe) Describe Recorded Data (streat | one required; of one re | Salt Crus Blotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In Thin Muc Other (Ex Depth (ir Depth (ir Depth (ir | f (B11) ust (B12) nvertebrates i Sulfide Od Rhizospher of Reducer on Reduction k Surface (Coplain in Ren nches): | lor (C1) es along Living I d Iron (C4) on in Tilled Soils C7) marks) welvious inspection | Roots (C3) (C6) | Secondary Inc Water Ma Sediment Drift Depo Drainage Dry-Seas Crayfish I Saturation Shallow A FAC-Neur | dicators (2 c rks (B1) (R Deposits (B patterns (B on Water T Burrows (Cl on Visible on equitard (D3 tral Test (D | or more re lverine) 32) (Rive Riverine) 310) able (C2) 3) Aerial Im 3) | ouired) rine) agery (CS |
| YDROLOGY Vetland Hydrology Indicators Primary Indicators (mInimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (N Drift Deposits (B3) (Nonrive Surface Soll Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present? Saturation Present? Includes capillary fringe) Describe Recorded Data (streat | one required; cherine) conriverine) crine) I Imagery (B7) Yes No_ Yes No_ Yes No_ | Salt Crus Blotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In Thin Muc Other (Ex Depth (ir Depth (ir Depth (ir | f (B11) ust (B12) nvertebrates i Sulfide Od Rhizospher of Reducer on Reduction k Surface (Coplain in Ren nches): | lor (C1) es along Living I d Iron (C4) on in Tilled Soils C7) marks) welvious inspection | Roots (C3) (C6) | Secondary Inc Water Ma Sediment Drift Depo Drainage Dry-Seas Crayfish I Saturation Shallow A FAC-Neur | dicators (2 c rks (B1) (R Deposits (B patterns (B on Water T Burrows (Cl on Visible on equitard (D3 tral Test (D | or more re lverine) 32) (Rive Riverine) 310) able (C2) 3) Aerial Im 3) | ouired) rine) agery (CE |
| YDROLOGY Vetland Hydrology Indicators Primary Indicators (mInImum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (N Drift Deposits (B3) (Nonrive Surface Soil Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Isleid Observations: Surface Water Present? Vater Table Present? Includes capillary fringe) Vescribe Recorded Data (streat | one required; of one re | Salt Crus Blotic Cru Aquatic Ir Hydrogen Oxidized Presence Recent In Thin Muc Other (Ex Depth (ir Depth (ir Depth (ir | f (B11) ust (B12) nvertebrates i Sulfide Od Rhizospher of Reducer on Reduction k Surface (Coplain in Ren nches): | lor (C1) es along Living I d Iron (C4) on in Tilled Soils C7) marks) welvious inspection | Roots (C3) (C6) | Secondary Inc Water Ma Sediment Drift Depo Drainage Dry-Seas Crayfish I Saturation Shallow A FAC-Neur | dicators (2 c rks (B1) (R Deposits (B patterns (B on Water T Burrows (Cl on Visible on equitard (D3 tral Test (D | or more re lverine) 32) (Rive Riverine) 310) able (C2) 3) Aerial Im 3) | ouired) rine) agery (CE |

WETLAND DETERMINATION DATA FORM - Arid West Region Part Danel CO

| | | N DATA FORM ~ | |
|---|---|-------------------------|--|
| Project/Site: NewPort Banning Ran | wh c | ity/County: ORay | 194 CD . Sampling Date: 6/9/12 |
| Applicant/Owner: New Port Bannirk, Ram | ich L | Le | State: CA Sampling Point I I |
| nvestigator(s): TBornkamp | 9 | ection Township Ran | |
| nvestigator(s). | | son rolled (conseve or | onvex, none): Concave Slope (%): < 2.7 |
| andform (hillslope, terrace, etc.): | M | ocal renel (concave, co | onvex, none). Start LT Dates N/C 84 |
| Subregion (LRR): | Lat: N | 33 8 01 | Long: W117 56 47 Datum: NGS 84 |
| Soil Map Unit Name: My Ford Sandy Iram | | | |
| Are climatic / hydrologic conditions on the site typical for this | | r? Yes No | (If no, explain in Remarks.) |
| Are Vegetation 🙌 , Soil 🔑 , or Hydrology si | ignificantly d | listurbed? Are "N | Normal Circumstances" present? Yes No No |
| Are Vegetation No. Soll No. or Hydrology n | aturally prob | olematic? (If nee | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map | showing | sampling point lo | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No | · K | is the Sampled | Area . |
| Hydric Soil Present? Yes No | | within a Wetlan | 8 |
| Wetland Hydrology Present? Yes No | o_DC | program a trouble | |
| Remarks: | | | |
| | | | |
| | | | |
| VEGETATION - Use scientific names of plan | ts. | | |
| PLOTIATION BOO BOISHAND NAMES OF PART | Absolute | Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | | Species? Status | Number of Dominant Species |
| 1 | | | That Are OBL, FACW, or FAC: (A) |
| 2. | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: (B) |
| 4 | | | Percent of Dominant Species |
| D. II. 101 - I. Olashara (Dlahaina) | | = Total Cover | That Are OBL, FACW, or FAC: 0 / (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | | Prevalence Index worksheet; |
| 1 | | | Total % Cover of: Multiply by: |
| 3. | | | OBL species x1= |
| 4 | | | FACW species 3 x2= 6 |
| 5 | | | FAC species x 3 = |
| ع ما عدد | | = Total Cover | FACU species 30 x4= 120 |
| Herb Stratum (Plot size: = 57 radius | | Vac sau | UPL species x 5 = |
| 1. Helicter Rium curascaricum | 25 | Jes Fren | Column Totals: <u>33</u> (A) <u>/2-6</u> (B) |
| 2 Deinaidra fascientata | | NO FACIL | Prevalence Index = B/A = 3.82 |
| 3. Lyttirum hyssapitalia | | hD FACH | Hydrophytic Vegetation Indicators: |
| 4. Polypogon monopeliensis | / | ho FACIN | Dominance Test is >50% |
| 5 | | | D-1112 1-1212 1-1 |
| 6. | | | Morphological Adaptations ¹ (Provide supporting |
| 7 | | | data in Remarks or on a separate sheet) |
| 8, | 2 3 | = Total Cover | Problematic Hydrophytic Vegetation1 (Explain) |
| Woody Vine Stratum (Plot size:) | <u> , , , , , , , , , , , , , , , , , , ,</u> | 10/01/00/01 | |
| 1 | | | Indicators of hydric soll and wetland hydrology must |
| 2. | | | be present, unless disturbed or problematic, |
| | 33 | = Total Cover | Hydrophytic |
| % Bare Ground in Herb Stratum 6 7 % Cove | er of Blotic C | rust 🗷 | Vegetation Present? Yes No |
| | | | |
| Remarks: (Wills Milderell) | Cel | asl | |
| 1 Millas Mullarzell | 2.0 | | |
| 1 helicale | | æ. | |
| | | | |

Sampling Point: TT

| Profile Description: (Describe to the depth needed to document the Indicator or c | confirm the absence of indicators.) |
|--|---|
| Depth Matrix Redox Features (Inches) Color (moist) % Color (moist) % Type¹ L | .oc ² Texture Remarks |
| 110 110 | sandy loom - Well drained |
| refusal NONE NONE | shought new whenen |
| 1,142% | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated S | |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ ; |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) | 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) |
| Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain In Remarks) |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) | |
| Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) | |
| Thick Dark Surface (A12) Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| Restrictive Layer (If present): | |
| Type; | |
| Depth (inches): | Hydric Soil Present? Yes No No |
| Remarks: | |
| | |
| N N | |
| V | AND A TAKE AND A SAME |
| HYDROLOGY | |
| Wetland Hydrology Indicators: | A A A A A A A A A A A A A A A A A A A |
| Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) Salt Crust (B11) | Water Marks (B1) (Riverine) |
| High Water Table (A2) Biotic Crust (B12) | Sediment Deposits (B2) (Riverine) |
| Saturation (A3) Aquatic Invertebrates (B13) | Drift Deposits (B3) (Riverine) |
| Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) | Drainage Patterns (B10) |
| | ng Roots (C3) Dry-Season Water Table (C2) |
| Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) | Crayfish Burrows (C8) |
| Surface Soil Cracks (B6) Recent Iron Reduction in Tilled So | oils (C6) Saturation VIsIble on Aerial Imagery (C9) |
| Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) Other (Explain in Remarks) | FAC-Neutral Test (D5) |
| Field Observations: | |
| Surface Water Present? Yes No Depth (inches): | |
| Water Table Present? Yes No Depth (inches): | ., |
| Saturation Present? Yes NoX Depth (inches): | Wetland Hydrology Present? Yes No |
| (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec | tions) if evallable: |
| Describe Recorded Data (sureant gauge, monitoring well, serial priotos, previous inspec | money, a dyundow, |
| Remarks: D 1 1 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 | Y |
| Remarks: Punded for <3 day In 2011 | 12014 |
| | 1 |
| (A) | |
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WETLAND DETERMINATION DATA FORM - Arid West Region Sampling Date: 6/9/12 Ranch City/County: Orange Co. Applicant/Owner New Port Banning Rangh LLC State: CA Sampling Point: JJ Investigator(s): TBornkamp 0 Section, Township, Range: 529 T65 Landform (hillstope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Stope (%): 4217 Lat: N 33 8 07 Long: W 117 56 47 Datum: WGS 84 Subregion (LRR): LRR - C Soll Map Unit Name: My Force Sandy Joan 0-2% Stopes NWI classification: NA Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No____ (If no, explain in Remarks.) Are Vegetation 10, Soil 20, or Hydrology 10 significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation 10, Soil 10, or Hydrology 10 naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Venetation Present? is the Sampled Area Hydric Spil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator Tree Stratum (Plot size: _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species ____ = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size:) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species _____ x1= ____ FACW species _____ x 2 = ____ FAC species _____ x3=___ FACU species 17 x4= 68 = Total Cover Herb Stratum (Plot size: = 5) radi US UPL species $38 \times 5 = 190$ Column Totals: 55 (A) 2581. centaurea melitensis 2. Deinandra fossiculata Prevalence Index = B/A = 4.69 FACH 3. Heliotropium curuscavicum Hydrophytic Vegetation Indicators: 0.19FACH 4. Ambrosia psilostochya ____ Dominance Test is >50% 5. Encelie californica Prevalence Index Is ≤3.01 ___ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 55 = Total Cover

55 = Total Cover

% Cover of Biotic Crust _ _

roadside pool

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation

Present?

Remarks:

Woody Vine Stratum (Plot size: ____

% Bare Ground in Herb Stratum 4.0

| S | O | 1 |
|---|--------------|---|
| • | \mathbf{v} | _ |

Sampling Point: \mathcal{I}

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) | | | | | |
|---|--|--|--|--|--|
| Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type ¹ | _oc² Texture Remarks | | | | |
| | | | | | |
| 0-4 10 YR 4/2 NONE NONE | loamy sand-well drained | | | | |
| perusaz | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated S | and Grains. ² Location: PL=Pore Lining, M=Matrix. | | | | |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Solis ³ : | | | | |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (AB) (LRR C) | | | | |
| Histlic Epipedon (A2) Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) | | | | |
| Black Histic (A3) Loarny Mucky Mineral (F1) | Reduced Vertic (F18) | | | | |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) | | | | |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain in Remarks) | | | | |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) | | | | | |
| Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) | 31-diapters of hydrophydio vocatation and | | | | |
| Thick Dark Surface (A12) Redox Depressions (F8) | Indicators of hydrophytic vegetation and wetland hydrology must be present, | | | | |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) Sandy Gleyed Matrix (S4) | uniess disturbed or problematic. | | | | |
| Restrictive Layer (if present): | diffess distribed of problemate. | | | | |
| Type: | + | | | | |
| 100 | Hydric Soil Present? Yes No X | | | | |
| Depth (inches); | Hydric Son Flesenti Tes No pt | | | | |
| Remarks: | | | | | |
| | | | | | |
| | | | | | |
| | State of the state | | | | |
| HYDROLOGY | | | | | |
| Wetland Hydrology Indicators: | W. M. | | | | |
| Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) | | | | |
| Surface Water (A1) Salt Crust (B11) | Water Marks (B1) (Riverine) | | | | |
| High Water Table (A2) Blotic Crust (B12) | Sedlment Deposits (B2) (Riverine) | | | | |
| Saturation (A3) Aquatic Invertebrates (B13) | Drift Deposits (B3) (Riverine) | | | | |
| Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) | Drainage Patterns (B10) | | | | |
| Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) | | | | | |
| Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) | | | | | |
| Surface Soil Cracks (B6) Recent Iron Reduction in Tilled S | pils (C6) Saturation Visible on Aerial Imagery (C9) | | | | |
| inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) | Shallow Aquitard (D3) | | | | |
| Water-Stained Leaves (B9) Other (Explain in Remarks) | FAC-Neutral Test (D5) | | | | |
| Field Observations: | | | | | |
| Surface Water Present? Yes No Depth (inches): | | | | | |
| Water Table Present? Yes No X Depth (inches): | | | | | |
| Saturation Present? Yes No Depth (Inches): | Wetland Hydrology Present? Yes No | | | | |
| (includes capillary fringe) | | | | | |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | | | |
| | | | | | |
| Remarks: Dall And not Amula | In 2011/2012 | | | | |
| Remarks: Road Pool - not Ameld in 2011/2012 | | | | | |
| | | | | | |
| · · · · · · · · · · · · · · · · · · · | | | | | |
| 27 - 04 - 52 - | | | | | |

WETLAND DETERMINATION DATA FORM - Arid West Region ____ Sampling Date: __6/9/12_ Kench chycounty: Drange co. Project/Site: NewPort Banning Applicant/Owner, New Port Bannird Ranch LLC State: CA Sampling Point: KF Investigator(s): TRomkomp (Section, Township, Range: 539 T65 Landform (hillslope, terrace, etc.): Tenace Local relief (concave, convex, none): Concave Slope (%): 227 Lat: N 33 8 07 Long: W 117 56 47 Datum: WGS 84 Subregion (LRR): LRR -L Soil Map Unit Name: My Force Sandy Jaam 0-270 Slopes NW classification: NA Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No_____ (If no, explain in Remarks.) Are Vegetation NO , Soll NO , or Hydrology NO significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation NO, Soil NO, or Hydrology NO naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Yes No K Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: ____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Saoling/Shrub Stratum (Plot size: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species FACW species _ / 0 FAC species FACU species _ = Total Cover 23 Herb Stratum (Plot size: ____ UPL species 1. Eleocharis palustris Column Totals: 74 5 2. Browns hordenceus FACH Prevalence Index = B/A = 3-16 UPL 3. Hipschfeldia incana Hydrophytic Vegetation Indicators: FAC 4. PLIMERX CHISPYS ___ Dominance Test is >50% F-ACVV 5. Polypogon monspelliensis Prevalence Index is ≤3,01 6. Deinandra fasciculata P1 0 FACM ___ Morphological Adaptations1 (Provide supporting FACU 7. Ambosia psilostachya data in Remarks or on a separate sheet) 4PL-8. centeurea melitensis 17 Problematic Hydrophytic Vegetation¹ (Explain) + continue = Total Cover Woody Vine Stratum (Plot size: ___ FACM Indicators of hydric soil and wetland hydrology must 1. Heliotropium curassavicum be present, unless disturbed or problematic, 10 2. Enthamia occidentalis FACH 7 4 = Total Cover Hydrophytic Vegetation % Cover of Biotic Crust Present? % Bare Ground in Herb Stratum_ Vegetation characterized as Remarks:

| 001 | 1 |
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Sampling Point: KF

| Depth Matrix (inches) Color (moist) % | Redox Features Color (moist) % Type' Loc² | Texture Remarks |
|--|--|--|
| | COLOI (INDIST) 78 TYPE LOC | |
| 0-6 10 YR 3/2 | | clay loan |
| 0-4 | 7.5 YR 3/4 20% | |
| | | |
| , | | |
| | | |
| | | - Property and the second seco |
| | | |
| | | |
| | | |
| Type: C=Concentration D=Depletion | , RM=Reduced Matrix, CS=Covered or Coated Sand | Grains. ² Location: PL=Pore Lining, M=Matrix |
| | o all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Solls ³ : |
| Histosol (A1) | Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) | Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) | Depleted Matrix (F3) | Other (Explain in Remarks) |
| 1 cm Muck (A9) (LRR b) | Redox Dark Surface (F6) | |
| Depleted Below Dark Surface (A1* | | 31_4' |
| Thick Dark Surface (A12) | Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, |
| Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) | Vernal Pools (F9) | unless disturbed or problematic. |
| Restrictive Layer (If present): | | Biliess distribes of problemate. |
| | | |
| N 10 N 12 | | Hydric Soll Present? Yes No |
| Depth (Inches): | | Hydric Son Flesent? Tes V No |
| | | |
| YDROLOGY | | |
| Wetland Hydrology Indicators: | | |
| | | |
| AND THE CONTRACT RESIDENCE AND A STATE OF THE PARTY OF TH | oulred; check all that apply) | Secondary indicators (2 or more required) |
| AND THE CONTRACT RESIDENCE AND A STATE OF THE PARTY OF TH | Salt Crust (B11) | Secondary indicators (2 or more required) Water Marks (B1) (Riverine) |
| Primary Indicators (minimum of one rec Surface Water (A1) | | |
| Primary Indicators (minimum of one rec Surface Water (A1) | Salt Crust (B11) | Water Marks (B1) (RIverine) |
| Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) | Salt Crust (B11) Bjotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) | Salt Crust (B11) Bjotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| Primary Indicators (minimum of one recommendation Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) |
| Primary Indicators (minimum of one recommendation (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Image | Salt Crust (B11) Bjotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ine) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils | Water Marks (B1) (Riverine) Sedlment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| Primary Indicators (minimum of one red Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) | Salt Crust (B11) Bjotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) ine) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) |
| Primary Indicators (minimum of one recomplished with the control of the control o | Salt Crust (B11) Bjotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Soils ry (B7) Thin Muck Surface (C7) Other (Explain in Remarks) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Cots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Primary Indicators (minimum of one recomplished 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 Image Water-Stained Leaves (B9) Field Observations: | Salt Crust (B11) Bjotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) tine) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils ry (B7) Thin Muck Surface (C7) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Coots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Primary Indicators (minimum of one recomplished with the control of the control o | Salt Crust (B11) Bjotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Soils ry (B7) Thin Muck Surface (C7) Other (Explain in Remarks) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Coots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Primary Indicators (minimum of one recomplished with the control of the control o | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): Depth (Inches): | Water Marks (B1) (Riverine) Sedlment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one recomplished with the control of the control o | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one recomplished with the control of the control o | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction In Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): Depth (Inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one recompliance of the content of | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one recompliance of the primary Indicators (minimum of one recompliance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one recomplished with the control of the control o | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one recompliance of the primary Indicators (minimum of one recompliance) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (Inches): No Depth (Inches): | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |

| WETLAND DETERMINATION DATA FORM - Arid West Region | | | | | | |
|--|--|---|--|--|--|--|
| Applicant/Owner New PILT BANNING RAM | Section Loca Lat N.33 0 - 2.77 stime of year? Y ignificantly distur- aturally problem | on, Township, Rang I relief (concave, co & o) Slores Yes No bed? Are "N atic? (If nee | NWI dessification: NA (If no, explain in Remarks.) Iormal Circumstances" present? Yes No ded, explain any answers in Remarks.) | | | |
| Hydrophytic Vegetation Present? Yes No. Hydric Soil Present? Yes No. Wetland Hydrology Present? Yes No. Remarks: | 0 | is the Sampled a | ~ | | | |
| VEGETATION – Use scientific names of plan Tree Stretum (Plot size;) 1 | Absolute Do % Cover Sp | | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A) | | | |
| 2. 3. 4. | | | Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) | | | |
| Sapling/Shrub Stratum (Plot size:) 1 2 3 4 | | | Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = FACW species 15 x 2 = 30 | | | |
| 5. Herb Stratum (Plot size: ~5 radius) 1. Brownys hordenceys 2. Deinandra fascientata 3. Brownys rubens | 25 S | Total Cover Yes FACH NO FACH ND UPL | FAC species S $X 3 = \frac{15}{5}$ FACU species 30 $X 4 = \frac{12.0}{12.0}$ UPL species 7 $X 5 = 3S$ Column Totals: 57 (A) 200 (B) Prevalence Index = B/A = 3.5 | | | |
| 4. Plantago elorgata 5. Rungex crispys 6. Distichlis spicata 7. Isocoma menzitsii 8. | 3 2 | es facw no fac no fac vio upl | Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) | | | |
| Woody Vine Stratum (Plot size:) 1 2 | | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. | | | |
| % Bare Ground in Herb Stratum 4-5 % Cove | <u>57</u> = 1 er of Blotic Crust | | Hydrophytic Vegetation Present? Yes No No | | | |
| Non-Raine. | | | | | | |

Sampling Point:

| Color (moles) Sociol (moles) Socio | Depth | Matrix | Redox Fe | atures | |
|--|--|---|---|-------------------------|--|
| "Type: C=Concentration, D=Dealetion, RM=Reduced Matrix, CS=Covered of Coated Sand Grains. "Type: C=Concentration, D=Dealetion, RM=Reduced Matrix, CS=Covered of Coated Sand Grains. "Type: C=Concentration, D=Dealetion, RM=Reduced Matrix, CS=Covered of Coated Sand Grains. "Type: C=Concentration, D=Dealetion, RM=Reduced Matrix, CS=Covered of Coated Sand Grains. "Indicators for Problematic Hydric Soils." Indicators for Problematic Hydric Soils. Red Parent Material (TR2) Depleted Below Dark Surface (A12) Thick Dark Surface (A12) Redox Denk Surface (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Denk Surface (F3) Thick Dark Surface (A12) Redox Denk Surface (A12 | | | Color (moist) | | |
| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coafed Sand Grains. ¹Location: PL=Pore Lining, M=Matrix, University of the Coafed Sand Grains. ¹Location: PL=Pore Lining, M=Matrix (PL) (PL) (PL) (PL) (PL) (PL) (PL) (PL) | - | 10 YR 3/2 | NONE | NONE | Sandy clay loam |
| Histosol (A1) | refusal | | | | |
| Histosol (A1) | | · · · · · · · · · · · · · · · · · · · | | | - |
| Histosol (A1) | | | | · | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Histosol (A2) Sandy Redox (S5) Histosol (A2) Stripped Matrix (S6) Black Histic (A3) Hydrogen Sutfide (A4) Loarny Mucky Mineral (F1) Reduced Vertic (F18) Persentic (F18) Reduced Vertic (F | | | | | |
| Histosol (A1) | | | | | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histo Epipedon (A2) Sitripped Matrix (S6) Black Histic (A3) Loarny Mucky Mineral (F1) Hydrogen Sutfide (A4) Loarny Mucky Mineral (F2) Stratified Layers (A5) (LRR C) 1 cm Muck (A10) (LRR B) Reduced Vertic (F18) Reduced Vertic (F19) Thicky Dark Surface (F1) Thicky Dark Surface (F18) Thicky Dark Surface (F18) Presence of Reduced Into (F4) Reduced Vertic (F18) Thicky Dark Surface (F18) Reduced Vertic (F18) Presence of Reduced Into (F4) Reduced Vertic (F18) Thicky Dark Surface (F18) Presence of Reduced Into (F4) Reduced Vertic | | | | | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histo Epipedon (A2) Sitripped Matrix (S6) Black Histic (A3) Loarny Mucky Mineral (F1) Hydrogen Sutfide (A4) Loarny Mucky Mineral (F2) Stratified Layers (A5) (LRR C) 1 cm Muck (A10) (LRR B) Reduced Vertic (F18) Reduced Vertic (F19) Thicky Dark Surface (F1) Thicky Dark Surface (F18) Thicky Dark Surface (F18) Presence of Reduced Into (F4) Reduced Vertic (F18) Thicky Dark Surface (F18) Reduced Vertic (F18) Presence of Reduced Into (F4) Reduced Vertic (F18) Thicky Dark Surface (F18) Presence of Reduced Into (F4) Reduced Vertic | | | | | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histo Epipedon (A2) Sitripped Matrix (S6) Black Histic (A3) Loarny Mucky Mineral (F1) Hydrogen Sutfide (A4) Loarny Mucky Mineral (F2) Stratified Layers (A5) (LRR C) 1 cm Muck (A10) (LRR B) Reduced Vertic (F18) Reduced Vertic (F19) Thicky Dark Surface (F1) Thicky Dark Surface (F18) Thicky Dark Surface (F18) Presence of Reduced Into (F4) Reduced Vertic (F18) Thicky Dark Surface (F18) Reduced Vertic (F18) Presence of Reduced Into (F4) Reduced Vertic (F18) Thicky Dark Surface (F18) Presence of Reduced Into (F4) Reduced Vertic | | | | | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histo Epipedon (A2) Sitripped Matrix (S6) Black Histic (A3) Loarny Mucky Mineral (F1) Hydrogen Sutfide (A4) Loarny Mucky Mineral (F2) Stratified Layers (A5) (LRR C) 1 cm Muck (A10) (LRR B) Reduced Vertic (F18) Reduced Vertic (F19) Thicky Dark Surface (F1) Thicky Dark Surface (F18) Thicky Dark Surface (F18) Presence of Reduced Into (F4) Reduced Vertic (F18) Thicky Dark Surface (F18) Reduced Vertic (F18) Presence of Reduced Into (F4) Reduced Vertic (F18) Thicky Dark Surface (F18) Presence of Reduced Into (F4) Reduced Vertic | | | | | The second secon |
| Histosol (A1) | | | | | |
| Histic Epipedon (A2) Black Histic (A2) Black Histic (A2) Black Histic (A2) Loamy Mucky Mineral (F1) Hydrogen Suffdie (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR D) Depleted Matrix (F3) Loamy Micky Mineral (F1) Depleted Below Dark Surface (A11) Depleted Derk Surface (A12) Redox Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Depth (inches): Primary Indicators (minimum of one required; check all that apply) Hydric Soil Present? Yes No Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Hydric Soil Present? Yes No Secondary Indicators (2 or more required): Hydric Soil Present? Yes No Water Marks (B1) (Nonriverine) Hydrogen Sutfide Codor (C1) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Non | - | | | • | - |
| Black Histic (A3) | | | | • | |
| Hydrogen Sulfide (AA) Loamy Gleyed Matrix (F2) Red Parent Material (TF2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain In Remarks) 1 cm Musk (A8) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inchea): Depth (inchea): Depth (inchea): Hydric Soil Present? Yes No Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Presence Soil Cracks (B6) Industry (B7) Water Soil (B7) Water Marks (B7) Sediment Deposits (B7) Water Marks (B7) Water Marks (B7) Sediment Deposits (B7) Water Marks (B7) Water Marks (B7) Water Marks (B7) Water Marks (B7) Water Marks (B7) Depth (inches): Water Marks (B7) Water Marks (B7) Secondary Indicators of hydrophytic vegetation and wetter Marks (B7) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (B7) Water Table (C2) Water Table (C2) Water Table (C2) Saturation Visible o | | | | , , | |
| Stratified Layers (A5) (LRR C) | | ` • | | | |
| 1 cm Muck (A9) (LRR D) | | | | | |
| Thick Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: | | | | | |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, sandy Cleyed Matrix (S4) unless disturbed or problematic. Restrictive Layer (if present): Type: Depth (inches): Depth (inches): | Depleted | Below Dark Surface (A11) | Depleted Dark S | Surface (F7) | |
| Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Secondary Indicators (2 or more required) Surface Water (A1) High Water Table (A2) Salt Crust (B11) Water Marks (B1) (Riverine) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C5) Saturation Visible on Aerial Imagery (Carter) Inundation Visible on Aerial Imagery (Carter) Water-Stained Leaves (B9) Other (Explain in Remarks) Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Depth | Thick Dar | rk Surface (A12) | Redox Depress | ions (F8) | |
| Pydric Soil Present? Yes No Pr | | | Vemal Pools (F | 9) | • • |
| Type: Depth (inches): | | | | | unless disturbed or problematic. |
| Per la | Restrictive L | ayer (if present): | | | f |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Surface Water (A2) High Water Table (A2) Saturation (A3) Water Marks (B1) (Riverine) Water Marks (B1) (Riverine) Hydrogen Sulfide Odor (C1) Drift Deposits (B2) (Riverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | R A A L ROMAN | | | ✓ |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Sulf Crust (B11) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Water Marks (B1) (Nonriverine) Water Marks (B1) (Nonriverine) Water Marks (B2) (Nonriverine) Sediment Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage | Depth (inc | hes): | | | Hydric Soil Present? Yes No / |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Sati Crust (B12) Saturation (A3) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Sediment Deposits (B3) (Riverine) Drift Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) D | Remarks: | | | | |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Sati Crust (B12) Saturation (A3) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Sediment Deposits (B2) (Nonriverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Sediment Deposits (B3) (Riverine) Drift Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) D | | | | | |
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| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Sati Crust (B12) Saturation (A3) Water Marks (B1) (Nonriverine) Water Marks (B1) (Nonriverine) Water Marks (B1) (Nonriverine) Water Marks (B2) (Nonriverine) Water Marks (B3) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Water Marks (B3) (Nonriverine) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Riverine) Drift Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drift D | IVDBOLOG | 2V | | | |
| Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Sulf Crust (B11) High Water Table (A2) Saturation (A3) Water Marks (B1) (Riverine) Saturation (A3) Water Marks (B1) (Nonriverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Sediment Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Sediment Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage Patterns (B1 | | | | | |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Riverine) Blotic Crust (B12) Sediment Deposits (B2) (Riverine) Print Deposits (B3) (Riverine) Drift Deposits (B3) (Riverine) Sediment Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | | | A 121 V 121 V 122 U 122 |
| High Water Table (A2) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Water Marks (B1) (Nonriverine) Hydrogen Sutfide Odor (C1) Drainage Patterns (B10) Drift Deposits (B2) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C7) Water-Stained Leaves (B9) Other (Explain in Remarks) Fac-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Depth (inches): Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | | | |
| Saturation (A3) | _ | • • | | • | |
| Water Marks (B1) (Nonriverine) | | | | • | |
| Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (Caption In Tilled Soils (C6) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Water Table Present? | | • • | | | |
| Drift Deposits (B3) (Nonriverine) | | | | | |
| | | | | | |
| Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain in Remarks) FAC-Neutral Test (D5) Factorial Test (D5) | | | | | |
| | | | | | |
| Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Uncludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | | · · | |
| Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | | | Other (Explain | in Remarks) | FAC-Neutral Test (D5) |
| Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Yes No Depth | Field Observ | | M | | and the second s |
| Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Yes No Depth | Surface Wate | r Present? Yes | No Depth (inches |): | |
| Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Yes No De | | Present? Yes | No Kon Depth (inches |): | , |
| Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | Water Table F | | | | /etland Hydrology Present? Yes No |
| Perpeties (A) | | 100 | | , | |
| Remarks: Provided for uses Thom 3 days in Afric 2012 Otherwise not ponded IN 2011/2012 | Saturation Pre | llary fringe) | The factor of the same of the | | |
| Remarks: Provided for less Thom 3 days in Afric 2012 otherwise not fooded IN 2011/2012 | Saturation Pre | llary fringe) | onitoring well, aerial phot | os, previous inspection | s), if available: |
| otherwise not forded IN 2011/2012 | Saturation Pre | llary fringe) | onitoring well, aerial phot | os, previous inspection | is), if avallable: |
| otherwise not fonded 11 2011/2012 | Saturation Pre (Includes capt Describe Rec | llary fringe) orded Data (stream gauge, mo | | | |
| 2011/20/2 | Saturation Pre (Includes cap) Describe Rec | llary fringe) orded Data (stream gauge, mo | | | |
| | Saturation Pre Includes capt Describe Rec | llary fringe) orded Data (stream gauge, mo | | | |
| | Saturation Pre Includes capt Describe Rec | llary fringe) orded Data (stream gauge, mo | | | |

| Project/Site: Newfort Banning Ranch City/County: Ofar | 136 CO, Sampling Date: 5-10-12 |
|---|---|
| Applicant/Owner New Port Banning Ranch LLC | State: CA Sampling Point: MM |
| Investigator(s): TBomkamp Section, Township, Rang | DE: 529 TES RIOW |
| Landform (hillslope, terrace, etc.): Thrule Local rellef (concave, co | onvex, none): Conswe Slope (%): 22 |
| | Long: W 117 56 47 Datum: WGS 8 |
| | NWI classification: NA |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | |
| | Jormal Circumstances* present? Yes No |
| - I . | ded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling point lo | cations, transects, important features, etc. |
| | |
| Hydrophytic Vegetation Present? Yes No Is the Sampled A Hydric Soil Present? Yes No Western | |
| Wetland Hydrology Present? Yes No | d? YesNo |
| Remarks: | |
| | |
| | |
| VEGETATION - Use scientific names of plants. | |
| Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) % Cover Species? Status | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 1 | |
| 3 | Total Number of Dominant Species Across All Strata: (B) |
| 4 | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size:) | That Are OBL, FACW, or FAC: (A/B) |
| Sapinus strawiti (Fiot size | Prevalence Index worksheet: |
| 2 | Total % Cover of: Multiply by: |
| 3 | OBL species |
| 4 | FACW species |
| 5, = Tota) Cover | FACU species 20 x4= 80 |
| Herb Stratum (Plot size:) | UPL species x5= |
| 1. Pohypogin manspeliencis 40 y Mach | Column Totals: 95 (A) 205 (B) |
| 2 Ofula coronification 25 4 OBL FACU | Prevalence Index = B/A = 2.16 |
| 4. Bromus hordensens 5 h FACU | Hydrophytic Vegetation Indicators: |
| 5. Ruman Chispus 5 A FAC | Dominance Test Is >50% |
| 6. Elephanis Magnostachya 5 h OBL | Prevalence Index is ≤3.01 |
| 7. Meliletus Irdica S M FACU | Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8. Demandra his coulate 5 n FACU | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | |
| 1 | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic, |
| 2 | |
| = Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum | Present? Yes No |
| Remarks: | |
| | |
| | |
| * | |

| | th needed to docum | | ator or confir | m the absence of Ir | idicators.) |
|---|--|---|---|---|--|
| Depth Matrix | Color (moist) | Features % •Tv | ne1 1 nc2 | Texture | Remarks |
| 0-5 10 12 3/2 100 | NONE | 70 TY | Sand | cha lange | Namario |
| 110 | 10000 | | Juna | Hay inte | |
| 12-Inick leas win 0 | P/20 5 " | <u>~</u> | _ 711 | <u></u> | |
| | 7.542413 | - 100 | 1 7 | JAICK _ | |
| | | | | | |
| * | | | | - | |
| | 1 | | | | |
| | | 70 | | | |
| | | | | | |
| ype: C=Concentration, D=Depletion, RM | - Partitional Matrix CS | -Covered or (| Costed Send (| Stains · Zi ocatio | n: PL=Pore Lining, M=Matrix. |
| ydric Soll Indicators: (Applicable to all | LRRs. unless other | wise noted.) | DODICO CONTO | Indicators for | Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redo | | (1) | a 1 cm Muck | (A9) (LRR C) |
| Histic Epipedon (A2) | Stripped Mar | | | | (A10) (LRR B) |
| Black Histic (A3) | | cy Mineral (F1 |) 0.3 | | /ertic (F18) |
| Hydrogen Sulfide (A4) | | ed Matrix (F2) | | | t Material (TF2) |
| Stratified Leyers (A5) (LRR C) | Depleted Ma | | | Other (Exp | lain in Remarks) |
| . 1 cm Muck (A9) (LRR D) | | Surface (F6) | | | |
| Depleted Below Dark Surface (A11) | | rk Surface (F | 7) | 5 e. | |
| · Thick Dark Surface (A12) | | essions (F8) | | | ydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Vernal Pools | s (F9) | | • | rology must be present, |
| Sandy Gleyed Matrix (S4) | | - Contract | | uniess distui | bed or problematic. |
| estrictive Layer (If present): | | | | | |
| Type: Now | | | | | × |
| Depth (inches): | | | | Hydric Soll Pre | sent? Yes No No |
| emarks: | | i3 | | | |
| * | | | | | |
| <i>17</i> 4 | | | | R | 5967 |
| 20 (pec) | | | | | |
| 222 | | | | | |
| DROLOGY | | | | | |
| | | | 7.63 | | u Indicators 70 or mana annutand |
| | | | | 0 | |
| imaty Indicators (minimum of one require | | | | | y Indicators (2 or more required) |
| | Salt Crust | (B11) | | Wate | r Marks (B1) (Riverine) |
| imaty Indicators (minimum of one require | Salt Crust Biotic Crus | (B11) t (B12) | | Wate | r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) |
| imaty Indicators (minimum of one require Surface Water (A1) | Salt Crust Biotic Crus Aquatic Inv | (B11) it (B12) vertebrates (B | | Wate Sedir Drift | r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) |
| imaty Indicators (minimum of one require _ Surface Water (A1) _ High Water Table (A2) | Sali Crust Biotic Crus Aquatic Inv Hydrogen i | (B11) et (B12) vertebrates (B Sulfide Odor (| C1) | Wate Sedir Drift Drain | r Marks (B1) (Riverine) nent Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Patterns (B10) |
| imaty Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) | Sall Crust Biotic Crus Aquatic Inv Hydrogen I OxidIzed R | (B11) et (B12) vertebrates (B Sulfide Odor (Rhizospheres t | C1) along Living R | Wate Sedin Drift Drain Drain Drosts (C3) Dry-t | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) |
| imaty Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) | Salt Crust Biotic Crus Aquatic Inv Hydrogen i Oxidized R Presence of | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres to Of Reduced Inc | C1) along Living R on (C4) | Wate Sedin Drift Drain Drain Drast (C3) Dry-t Cray | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8) |
| imaty Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) | Salt Crust Biotic Crust Aquatic Inv Hydrogen I Oxidized R Presence of Recent Iron | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres a Of Reduced Into Reduction in | C1) along Living R | Wate | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C |
| imaty Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) | Salt Crust Biotic Crust Aquatic Inv Hydrogen I OxidIzed R Presence o | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres to Of Reduced Inc | C1) along Living R on (C4) | Wate Sedir Sedir Drain Drain Drain Drain Cray Cray Satur Shall Shall Shall Shall Shall Cray Shall Shall Shall Shall Shall Shall Cray Shall Cray Shall Cray Shall Cray Shall Cray Shall Cray Cray | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Pattems (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Cl ow Aquitard (D3) |
| imaty Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) | Salt Crust Biotic Crust Aquatic Inv Hydrogen I OxidIzed R Presence o Recent Iro | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres a Of Reduced Into Reduction in | C1) along Living R on (C4) n Tilled Soils (I | Wate Sedir Sedir Drain Drain Drain Drain Cray Cray Satur Shall Shall Shall Shall Shall Cray Shall Shall Shall Shall Shall Shall Cray Shall Cray Shall Cray Shall Cray Shall Cray Shall Cray Cray | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Ct |
| imary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) | Sall Crust Biotic Crus Aquatic Inv Hydrogen I Oxidized R Presence o Recent Iro Thin Muck Other (Exp | (B11) In (B12) Ivertebrates (B Sulfide Odor (Rhizospheres a of Reduced Into in Reduction in Surface (C7) Islain in Remar | C1) along Living R on (C4) a Tilled Soils (6 | Wate Sedir Sedir Drain Drain Drain Drain Cray Cray Satur Shall Shall Shall Shall Shall Cray Shall Shall Shall Shall Shall Shall Cray Shall Cray Shall Cray Shall Cray Shall Cray Shall Cray Cray | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Pattems (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Cl ow Aquitard (D3) |
| High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) | Sall Crust Biotic Crus Aquatic Inv Hydrogen I Oxidized R Presence of Recent Iron Thin Muck Other (Exp | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres a of Reduced Inc in Reduction in Surface (C7) Islain in Remar | C1) along Living R on (C4) a Tilled Soils (6 | Wate Sedir Sedir Drain Drain Drain Drain Cray Cray Satur Shall Shall Shall Shall Shall Cray Shall Shall Shall Shall Shall Shall Cray Shall Cray Shall Cray Shall Cray Shall Cray Shall Cray Cray | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Pattems (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Cl ow Aquitard (D3) |
| nimaty Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) leid Observations: urface Water Present? Yes | Sall Crust Biotic Crus Aquatic Inv Hydrogen I Oxidized R Presence o Recent Iro Thin Muck Other (Exp | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres a of Reduced Inc in Reduction in Surface (C7) Islain in Remar | C1) along Living R on (C4) a Tilled Soils (6 | Wate Wate Sedir | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Ci ow Aquitard (D3) Neutral Test (D5) |
| Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) leid Observations: urface Water Present? Yes | Sall Crust Biotic Crus Aquatic Inv Hydrogen I Oxidized R Presence of Recent Iron Thin Muck Other (Exp | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres a of Reduced Into In Reduction in Surface (C7) Italia in Remar Inches): | C1) along Living R on (C4) a Tilled Soils (6 | Wate Wate Sedir | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) lage Pattems (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Cl ow Aquitard (D3) |
| minary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) leid Observations: urface Water Present? Ves aturation Present? Yes polyudes capillary frince) | Sall Crust Biotic Crust Aquatic Inv Hydrogen I Oxidized R Presence of Recent Iron Thin Muck Other (Exp No Depth (Inc No Depth (Inc | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres a of Reduced Inc in Reduction in Surface (C7) Islain in Reman Ches): Ches): | C1) along Living R on (C4) a Tilled Soils (6 ks) | Wate Sedir | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Ci ow Aquitard (D3) Neutral Test (D5) |
| mary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) leid Observations: urface Water Present? Ves aturation Present? Yes polyules capillary frince) | Sall Crust Biotic Crust Aquatic Inv Hydrogen I Oxidized R Presence of Recent Iron Thin Muck Other (Exp No Depth (Inc No Depth (Inc | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres a of Reduced Inc in Reduction in Surface (C7) Islain in Reman Ches): Ches): | C1) along Living R on (C4) a Tilled Soils (6 ks) | Wate Sedir | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Ci ow Aquitard (D3) Neutral Test (D5) |
| minary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B Water-Stained Leaves (B9) Ield Observations: urface Water Present? Ves Jaturation Present? Yes Jaturation Present? | Sall Crust Biotic Crust Aquatic Inv Hydrogen I Oxidized R Presence of Recent Iron Thin Muck Other (Exp No Depth (Inc No Depth (Inc | (B11) It (B12) Vertebrates (B Sulfide Odor (Rhizospheres a of Reduced Inc in Reduction in Surface (C7) Islain in Reman Ches): Ches): | C1) along Living R on (C4) a Tilled Soils (6 ks) | Wate Sedir | r Marks (B1) (Riverine) ment Deposits (B2) (Riverine) Deposits (B3) (Riverine) mage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Ci ow Aquitard (D3) Neutral Test (D5) |

WETLAND DETERMINATION DATA FORM - Arid West Region Sampling Date: _ 6 -9-12 _ City/County: DRange CO. Applicant/Owner: New PURT BANNING Section, Township, Range: 539 T65 Local relief (concave, convex, none): Concave Slope (%): < 2.17 Landform (hillslope, terrace, etc.): Lat: N 33 8 07 Long: W 117 5% 47 Subregion (LRR): ___LRR -C Soll Map Unit Name: My Ford Sandy from 0-270 Stopes NWI classification: NA Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ____ (If no, explain in Remarks.) Are Vegetation 100, Soil 100, or Hydrology 100 significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation <u>NO</u>, Soll <u>NO</u>, or Hydrology <u>NO</u> 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? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator Tree Stratum (Plot size:_____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: _____) Prevalence Index worksheet; Total % Cover of: OBL species 3. FACW species FAC species FACU species = Total Cover Herb Stratum (Plot size: 5 UPL species Column Totals: _ (A) Prevalence index = B/A = ... Hydrophytic Vegetation Indicators: 300 MUS ___ Dominance Test is >50% BYTHAUS Prevalence Index is ≤3.01 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 60 = Total Cover Problematic Hydrophytic Vegetation¹ (Explain) Woody Vine Stratum (Plot size: Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6.0 = Total Cover Hydrophytic Vegetation % Bare Ground in Herb Stratum 40 % Cover of Biotic Crust ____ Present? Remarks:

ampling Point:

| | | h needed to document the | | Teric absorber of marce | 1010.) |
|---|----------------------|--|--------------------------|--|--|
| Depth (Inches) Color (r | Matrix | Redox Featur Color (molst) % | | Texture | Remarks |
| 0-5 10 YR | | NONE | NONE | sandy loam | Kemaks |
| 0 0 10 11- | -12 | | - Marrie - Arrange | sangey rouse | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 2000-cili-2atte-collil | <u> </u> | · · · · · · · · · · · · · · · · · · · | | | |
| -109-4 | | | | 0 | |
| | | · | | | |
| Type: C=Concentration | D=Dapletton PM= | Reduced Matrix, CS=Coven | ed or Costed Sand G | rains ² l poetion: Pi | .=Pore Lining, M=Matrix. |
| | | RRs, unless otherwise no | | | lematic Hydric Soils ³ : |
| Histosol (A1) | , 11 | Sandy Redox (S5) | | 1 cm Muck (A9) | · · |
| Histic Epipedon (A2) | 1 | Stripped Matrix (S6) | | 2 cm Muck (A10 | |
| Black Histic (A3) | | Loamy Mucky Miner | | Reduced Vertic | |
| Hydrogen Sulfide (A | 4) | Loamy Gleyed Matr | x (F2) | Red Parent Mat | erial (TF2) |
| Stratified Layers (A5 | | Depleted Matrix (F3 | | Other (Explain I | n Remarks) |
| 1 cm Muck (A9) (LR | • | Redox Dark Surface | | | |
| Depleted Below Dar | | Depleted Dark Surfa | | | |
| Thick Dark Surface (| | Redox Depressions | (F8) | alndicators of hydrop | • |
| Sandy Mucky Miners Sandy Gleyed Matrix | | Vernal Pools (F9) | | wetland hydrology unless disturbed of | |
| Restrictive Layer (if pre | | | | I IIIESS DISTUIDED C | n problemauc. |
| Type: | جيع ا | | | | |
| -13 | INE | | | Hudda Dall Barrant | Yes No K |
| Depth (inches): Remarks: | | | | Hydric Soil Present? | Yes No No |
| YDROLOGY | | | | | |
| Wetland Hydrology Indi | cators: | | -11 | | |
| Primary Indicators (minim | num of one required: | check all that apply) | | Secondary Indi | cators (2 or more required) |
| Surface Water (A1) | | Salt Crust (B11) | | | ks (B1) (Riverine) |
| High Water Table (A | 2) | Biotic Crust (B12) | | | Deposits (B2) (Riverine) |
| Saturation (A3) | • | Aquatic Invertebrat | es (B13) | - | its (B3) (Riverine) |
| Water Marks (B1) (N | onriverine) | Hydrogen Sulfide C | • / | | attems (B10) |
| Sediment Deposits (| | the state of the s | eres along Living Roc | | Water Table (C2) |
| Drift Deposits (B3) (N | | Presence of Reduc | | Crayfish Bu | • • |
| Surface Soil Cracks | | Recent Iron Reduc | tion in Tilled Soils (C6 |) Saturation | Visible on Aerial Imagery (C9) |
| Inundation Visible on | Aerial Imagery (B7) | Thin Muck Surface | (C7) | Shallow Aq | |
| Water-Stained Leave | s (B9) | Other (Explain in R | | FAC-Neutr | al Test (D5) |
| leid Observations: | | | | | |
| Surface Water Present? | Yes N | o K Depth (Inches): | | 30 | |
| Nater Table Present? | Yes N | | | | |
| Saturation Present? includes capillary fringe) | | Depth (inches); | | and Hydrology Present | ? Yes No_K |
| | (stream gauge, mon | itoring well, aerial photos, p | revious inspections), | if available; | |
| | : | | | | or an experience of the control of t |
| Remarks: | | | | | |
| | | | | (6) | |
| | | | | | |
| | | | | | |
| | | | | | |

| WETLAND DETER | RMINATIO | N DATA FORM - | Arid West Region |
|--|---------------|--------------------------|---|
| Project/Site: Newfort Banning, Read | ich L | ·LC | State: Sampling Point: DO |
| nvestigator(s): TBomkamp | 9 | Section Township, Ran | ge: 529 T65 RAW |
| nvestigator(s): | | l ocal relief (concave o | convex, none): CONGAVE Slope (%): 2 |
| _andform (hillstope, terrace, etc.): | 14 | 22 0 M3 | Long: W 117 56 47 Datum: WGS 8 |
| Subregion (LRR): LRA - C | _ Lat: _ N | D clare | |
| Soil Map Unit Name: My Ford Sandy Inam | 0-2 | 10 200 103 | NVVI diassilication. 1971 |
| Are climatic / hydrologic conditions on the site typical for this | | | (If no, explain in Remarks.) |
| Are Vegetation 🚻 🗓 Soil 📈 🐧 or Hydrology 📂 🕦 s | | | Normal Circumstances" present? Yes No |
| Are Vegetation 📈 0 , Soil _ 📈 0 , or Hydrology 📈 0 _ r | naturally pro | blematic? (If ne | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map | showing | sampling point lo | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Hydric Soil Present? Wetiand Hydrology Present? Yes N Yes N | 0 | | |
| Remarks: | | | |
| | | | |
| | | | |
| VEGETATION - Use scientific names of plan | ıts. | | |
| | Absolute | | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | | Species? Status | Number of Dominant Species That Are OBL, FACW, or FAC:(A) |
| 1 | | | |
| 3 | | | Total Number of Dominant Species Across All Strata: (B) |
| 4 | | | pay, |
| | | _= Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: 100 0(A/B) |
| Sapling/Shrub Stratum (Plot size:) | | | Prevalence Index worksheet: |
| 1 | | | Total % Cover of: Multiply by: |
| Z | | | OBL species 23 x1 = 13 |
| 3 | | | FACW species x 2 = |
| 4 | | . — — — | FAC species x 3 = |
| 5 | | = Total Cover | FACU species 18 x4= 72 |
| Herb Stretum (Plot size: 5 radius) | | - DSD - CHOICE | UPL species x5= |
| 1 > MAN DIRVOIN TO WOLLING | 20 | y OBL | Column Totals: 54 (A) 154 (B) |
| 2. Brodium cicutarium | 10_ | 1/ UPL | Prevalence Index = B/A = 2 : 85 |
| 3. Brodium hotrys | | N FACY | Hydrophytic Vegetation Indicators: |
| 4. Bromus hordericeus | 5 | A PACU | · · · · · · · · · · · · · · · · · · · |
| 5. Vulpe myuns | - | h DBL | |
| 6. Cofila Caronivitolia | | - FALU | |
| 7. Demandra forsciculation 8 Hirschfeldia Incana | - | n USL | data in Remarks or on a separate sheet) |
| Bromus rubens | | = Total Covel PL | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stretum (Plot size:) | | = I dia oover [s | |
| 1. | | | ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2. | | | |
| | 5 4 | = Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum % Con | er of Biotic | Crust | Present? Yes No |
| Remarks: | | | |
| Windseld5533999 | | | |
| | | | |
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| | | | |

Shallow low Area in Road - no fonding

in 2011/2012

| WETLAND DETE | RMINATIO | N DATA | FORM - | Arid West Region |
|---|---------------------|----------------------|-------------|---|
| Project/Site: Newfort Banning Kan | noth o | hy/County: | ORan | 194 CO. Sampling Date: |
| Applicant/Owner: NEW PURT BANNING RA | nch L | .LC | | State: CA Sampling Point: PP |
| nvestigator(s): Tisomikamp | | Section, Tov | mship, Rang | ge: 524 765 KOW |
| andform (hillslope, terrace, etc.): 7/muu | | _ocal relief | concave, co | onvex, none); CONCAVE Slope (%): 2 2 |
| Subregion (LRR): LRR -C | Lat: N | 33 8 D | 9 | Long: W 117 5% 47 Datum: WGS 8 |
| Soil Map Unit Name: My Ford Sandy Dam | 0-2 | 70 St | opes | NVVI classification: NA |
| we climatic / hydrologic conditions on the site typical for the | is time of vea | r? Yes | No No | (If no, explain in Remarks.) |
| Are Vegetation ND, Soll NO, or Hydrology NO | elonificantly o | listurbed? | Are "N | Normal Circumstances* present? Yes No No |
| Are Vegetation NO, Soil NO, or Hydrology M. | | | | eded, explain any answers in Remarks.) |
| | | | - | |
| SUMMARY OF FINDINGS – Attach site map | snowing | sampiing | 3 bour 10 | cations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes Y | No | is the | Sampled A | Агеа |
| Hydric Soil Present? Yes | | | n a Wetland | |
| Wetland Hydrology Present? Yes | No A | | | |
| Remarks: | | | | |
| | | | | |
| | | | | |
| VEGETATION - Use scientific names of pla | nts. | | | |
| | Absolute % Cover | Dominant Species? | Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | 70 COVE | Openios | | Number of Dominant Species That Are OBL, FACW, or FAC:(A) |
| 1 | - | | | Total Number of Dominant |
| 3. | | | | Species Across All Strata: (B) |
| 4 | | | | Percent of Dominant Species / 0.0 · /. |
| | | = Total Co | ver | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | | | Prevalence Index worksheet: |
| 1 | | | | Total % Cover of:Multiply by: |
| 2 | | | | OBL species 5 x1= 5 |
| 3 | | - | | FACW species |
| 4, | | 166 | | FAC species 5 x3= /5 |
| 2.0:k (| | = Total Co | ver | FACU species |
| Herb Stratum (Plot size: 51 FAMIMS | 7.0 | Ven | FACIN | UPL species x5= |
| 1 POLUDDAON MICHS RXXICHISIS | | <u>168</u> | | Column Totals: 90 (A) 200 (B) |
| 2. Cothla corpropifolia | | n0 | FAC | Prevalence Index = B/A = 4.2.2 |
| 3. Pamex crispus 4. Deinandra fasciculata | 10 | h.O | FACH | Hydrophytic Vegetation Indicators: |
| | | | 171 | |
| 5 | | | | Prevalence Index Is ≤3.0' |
| 6 | | | - | Morphological Adaptations¹ (Provide supporting |
| 7 | | | | data in Remarks or on a separate sheet) |
| 8, | 90 | _ = Total C | over | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | | _ | | ¹ Indicators of hydric soil and wetland hydrology must |
| 1, | | | | be present, unless disturbed or problematic. |
| 2 | | T-1-10 | - | Hydrophytic |
| . 40. | | _ = Total C | | Vanatation |
| % Bare Ground in Herb Stratum/0 % Co | ver of Biotic (| Crust | | Present? Yes No No |
| Remarks: | | | | |
| | 7 | | | n. |
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Sampling Point: PP

| rofile Description: (Describe to the depth nee | ded to document the indicator or c | confirm the absence of | Indicators.) |
|---|--|---|---|
| Depth Matrix | Redox Features | oc² Texture | |
| II TO TOO | | | |
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| 3-4 <u>10 y</u> | P 3/3 51/ | | |
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| Type: C=Concentration, D=Depletion, RM=Redu | ned Matrix CS=Covered or Coated S | Sand Grains. ² Loca | ition: PL=Pore Lining, M=Matrix. |
| Type: C=Concentration, D=Depletion, RM=Reob lydric Soil Indicators: (Applicable to all LRRs, | unless otherwise noted.) | Indicators f | or Problematic Hydric Solls ² : |
| | Sandy Redox (S5) | 1 cm M | uck (A9) (LRR C) |
| | Stripped Matrix (S6) | 2 cm M | uck (A10) (LRR B) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) | Reduce | d Vertic (F18) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | | rent Material (TF2) |
| Stratified Lavers (A5) (LRR C) | Depleted Matrix (F3) | Other (f | Explain in Remarks) |
| 1 cm Muck (A9) (LRR D) | Redox Dark Surface (F6) | | |
| Depleted Below Dark Surface (A11) | _ Depleted Dark Surface (F7) | S1 | of hydrophytic vegetation and |
| Thick Dark Surface (A12) | _ Redox Depressions (F8) | | lydrology must be present, |
| | _ Vemal Pools (F9) | | sturbed or problematic, |
| Sandy Gleyed Matrix (S4) | | CITICSS OF | State of Fredrick |
| Restrictive Layer (If present): | | | , |
| | | | |
| Type: | | Hydric Soil | Present? Yes No |
| Type: | | Hydric Soil | Present? Yes No |
| | | Hydric Soil | Present? Yes No No |
| | | Hydric Soil | Present? Yes No No |
| Remarks: | | | |
| Remarks: YDROLOGY Wetland Hydrology Indicators: | eck all that apply) | Secon | ndary Indicators (2 or more required) |
| Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che | eck all that apply) Selt Crust (B11) | Secon | ndary Indicators (2 or more regulred) Vater Marks (B1) (Riverine) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) | Salt Crust (B11) Biotic Crust (B12) | Secor | ndary Indicators (2 or more regulred) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) | Secon | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) | Secor W S D | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rrift Deposits (B3) (Riverine) rrainage Patterns (B10) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (inlinimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lir | Secor V S D D D iving Roots (C3) D | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) rainage Patterns (B10) ny-Season Water Table (C2) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) | Secor V S D D D D D D D D D D D D D D D | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) rift Deposits (B3) (Riverine) orainage Patterns (B10) ony-Season Water Table (C2) crayfish Burrows (C8) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S | Secor V S D | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) wift Deposits (B3) (Riverine) orainage Patterns (B10) ory-Season Water Table (C2) trayfish Burrows (C8) eaturation Visible on Aerial Imagery (C9 |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Line Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled States Thin Muck Surface (C7) | Secor V S D C Sving Roots (C3) D C Solls (C6) S | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) vift Deposits (B3) (Riverine) viralnage Patterns (B10) viry-Season Water Table (C2) viralnish Burrows (C8) eaturation Visible on Aerial Imagery (C9) which shallow Aquitard (D3) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S | Secor V S D C Sving Roots (C3) D C Solls (C6) S | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) wift Deposits (B3) (Riverine) orainage Patterns (B10) ory-Season Water Table (C2) trayfish Burrows (C8) eaturation Visible on Aerial Imagery (C9 |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B8) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain in Remarks) | Secor W S D . | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) vift Deposits (B3) (Riverine) viralnage Patterns (B10) viry-Season Water Table (C2) viralnish Burrows (C8) eaturation Visible on Aerial Imagery (C9) which shallow Aquitard (D3) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B8) Field Observations: | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain In Remarks) Depth (inches): | Secor W | ndary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) vift Deposits (B3) (Riverine) viralnage Patterns (B10) viry-Season Water Table (C2) viralnish Burrows (C8) eaturation Visible on Aerial Imagery (C9) which shallow Aquitard (D3) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain In Remarks) Depth (inches): | Secor W | adary Indicators (2 or more required) Vater Marks (B1) (Riverine) vifit Deposits (B2) (Riverine) virit Deposits (B3) (Riverine) virinage Patterns (B10) viry-Season Water Table (C2) virayfish Burrows (C8) viritation Visible on Aerial Imagery (C9) viritation Visible on Aerial Imagery (C9) viritation Aquitard (D3) AC-Neutral Test (D5) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che 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) Field Observations: | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Other (Explain In Remarks) Depth (inches): | Secor W | Indary Indicators (2 or more required) Vater Marks (B1) (Riverine) ediment Deposits (B2) (Riverine) Inft Deposits (B3) (Riverine) Information Patterns (B10) Information Water Table (C2) Information Visible on Aerial Imagery (C9) Infallow Aquitard (D3) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Saturation Present? Yes No Saturation Present? | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 3 Thin Muck Surface (C7) Other (Explain In Remarks) Depth (Inches): Depth (Inches): | Secon Wetland Hydrolog | adary Indicators (2 or more required) Vater Marks (B1) (Riverine) vifit Deposits (B2) (Riverine) virit Deposits (B3) (Riverine) virinage Patterns (B10) viry-Season Water Table (C2) virayfish Burrows (C8) viritation Visible on Aerial Imagery (C9) viritation Visible on Aerial Imagery (C9) viritation Aquitard (D3) AC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che 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) Field Observations: | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 3 Thin Muck Surface (C7) Other (Explain In Remarks) Depth (Inches): Depth (Inches): | Secon Wetland Hydrolog | adary Indicators (2 or more required) Vater Marks (B1) (Riverine) vifit Deposits (B2) (Riverine) virit Deposits (B3) (Riverine) virinage Patterns (B10) viry-Season Water Table (C2) virayfish Burrows (C8) viritation Visible on Aerial Imagery (C9) viritation Visible on Aerial Imagery (C9) viritation Aquitard (D3) AC-Neutral Test (D5) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; che Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Li Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled 3 Thin Muck Surface (C7) Other (Explain In Remarks) Depth (Inches): Depth (Inches): | Secon Wetland Hydrolog | adary Indicators (2 or more required) Vater Marks (B1) (Riverine) vifit Deposits (B2) (Riverine) virit Deposits (B3) (Riverine) virinage Patterns (B10) viry-Season Water Table (C2) virayfish Burrows (C8) viritation Visible on Aerial Imagery (C9) viritation Visible on Aerial Imagery (C9) viritation Aquitard (D3) AC-Neutral Test (D5) |
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| Project/Site: Newfort Banning Range | h city/county: | Oran | Se CO Sampling Date: 5-1-/2 |
|---|---------------------------------------|--------------|--|
| Applicant/Owner: NEW PURT BANNING Ran | in LLC | | State: CA Sampling Point: QQ |
| | | wnship, Rang | = 529 T65 RIOW |
| Landform (hillslope, terrace, etc.): 700 acc | | | |
| Subregion (LRR): LRR-C | Lat: N 33 8 0 | 71 | Long: W 117 56 47 Datum: WGS 86 |
| Soil Map Unit Name: My Force Sandy Man | 0-270 SI | opes | NWI classification: NA |
| Are climatic / hydrologic conditions on the site typical for this t | ime of year? Yes 📝 | | |
| Are Vegetation NO, Soil No, or Hydrology NO sig | | Are "No | ormal Circumstances* present? Yes No |
| Are Vegetation ND , Soll ND , or Hydrology ND nat | urally problematic? | (If need | ded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map st | nowing sampling | g point lo | cations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No. | X | | |
| Hydric Soil Present? Yes No | V 13 016 | e Sampled A | 7 Yes NoK |
| Wetland Hydrology Present? Yes No | _X | | |
| Remarks: Feature 15 stightly | upressed ar | sta s | NOT a natural depression |
| | | | |
| | | | ×0000 |
| VEGETATION - Use scientific names of plants | | | |
| | Absolute Dominant % Cover Species? | Statue | Dominance Test worksheet: |
| 1, | | | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2, | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: (B) |
| 4 | - Tatal Car | | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: 5. Malus) | = Total Cov | ver | That Are OBL, FACW, or FAC: (A/B) |
| 1. SOCOMA MANZIESII | 5 yes | UPL | Prevalence Index worksheet: |
| 2, | | | Total % Cover of: Multiply by: |
| 3, | | | OBL species x 1 = |
| 4, | | | FACW species x 2 = FAC species x 3 = 6 |
| · | = Total Cov | | FACU species 27 x4= 108 |
| Herb Stratum (Plot size: 5 Fadius) | | | UPL species 25 x5= 125 |
| 1 Browns hordeaceus | 15 Yes | FACU | Column Totals: <u>54</u> (A) <u>239</u> (B) |
| 2. Fredium botrys 3. Hirschiella incama | 10 Yes | UPL | Prevalence Index = B/A = 43 |
| 4. Erodium Eleutanium | 5 No | | Hydrophytic Vegetation Indicators: |
| 5. Ryman carefus |) <u> </u> | | Dominance Test is >50% |
| 6. Vulpia myuros | 2 NO | FACU | Prevalence Index is ≤3.01 |
| 7. Cardinis pycnocephalus . | 5 ND | UPL | Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8, | H9 | | Problematic Hydrophytic Vegetation¹ (Explain) |
| Woody Vine Stratum (Plot size:) | = Total Cov | ver | |
| 1, | | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2 | H-11 | | |
| 41. | 54 = Total Cov | | Hydrophytic Vegetation |
| | f Biotic Crust | | Present? Yes No No |
| Remarks: Sampling In August 201 | 1 found T | ne fallow | uing: Bramus hardeneus 70% |
| Thus over during The above-ave | have vainful | 1 years | Demandra faciollata 20% Ruman hispus 5% |
| The featings exhibited vegetation | W/a P.I. | | 19 Isoroma menziesii 200 |
| while failing the Basic dome | ensure fiese | A & WALL | |

| | ription: (Describe to | the depth | needed to docum | ent the li | ndicator or co | nfirm the ab | ence of inu | icators.) | |
|--|--|--|---|--|---|--|--|---|---|
| epth | Matrix | | | Features | | - T | | Remarks | |
| nches) | Color (moist) | % | | % | | | 7 | Remarks | 5 |
| -12 | 2154 3/3 | 100 _ | NONE | | NONE | Sandy | 100ma | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | / | | | | | | | | |
| | | | | | , T. III | | | | |
| | | | | | | | | | |
| | | | | | · | | | | |
| | | | | | | | | | |
| ype: C=Ct | oncentration, D=Deple | etion, RM=R | leduced Matrix, CS | =Covered | d or Coated Sar | nd Grains, | | PL=Pore Lining | |
| dric Soll I | indicators: (Applica | ble to all Li | | | ed.) | | | oblematic Hydr | IC SOIIS : |
| Histosol | | | Sandy Redo | | | | | 49) (LRR C) | |
| | oipedon (A2) | | Stripped Ma Loamy Mucl | | 1/541 | | 2 cm Muck (/ Reduced Ve | 410) (LRR B) | |
| Black Hi | | | Loamy Muci | | | | | Material (TF2) | |
| | n Sulfide (A4) Layers (A5) (LRR C |) | Depleted Ma | | (1 2) | | | in in Remarks) | |
| _ | ick (A9) (LRR D) | 2 | Redox Dark | | (F6) | | | | |
| | Below Dark Surface | (A11) | Depleted Da | | | | | | |
| | ark Surface (A12) | | Redox Depr | | (F8) | | - | irophytic vegetat | |
| | fucky Mineral (S1) | | Vemal Pool | s (F9) | | | | logy must be pre ed or problemation | |
| Sandy G | Bleyed Matrix (S4) | | | | | | | | |
| | | | | | | u | Jiess district | So of bropie) hape | ** |
| strictive | Layer (if present): | | | | | u | JIESS DISTUTU | ed of bronetiland | , |
| strictive I | Layer (if present): NONE | | | | | | 3 = 1 - 1 = 7 | | , |
| estrictive I | Layer (if present): | | | | | | 3 = 1 - 1 = 7 | ent? Yes | , |
| estrictive I Type: Depth (in emarks: | Layer (If present): NONE ches): VA | | | | | | 3 = 1 - 1 = 7 | | , |
| Type: | Layer (If present): NONE ches): NO | | | | | | 3 = 1 - 1 = 7 | | , |
| Type: | Ches): NONE Ches) | | | | | | ic Soil Pres | ent? Yes | No. X |
| Type: | Cayer (If present): NONE ches): NONE Ches): NO NO Ches): Ches): Ches): NO Ches): Ches): Ches): NO Ches): NO Ches): Ches): NO Ches): Ches): Ches): NO Ches): Ches): NO Ches): Ches): Ches): NO Ches): C | ne required; | | | | | ic Soil Pres | ent? Yes | No X |
| Strictive I Type: Depth (incomarks: DROLO etland Hy imary India Surface | GY drology Indicators: cators (mlnimum of or | ne required; | Salt Crust | (B11) | | | Secondary Water | ent? Yes Indicators (2 or r Marks (B1) (Rive | No K |
| strictive i Type: Depth (ini marks: DROLO etland Hy mary Indi Surface High Wa | GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) | ne required; | Salt Crust Biotic Crus | (B11) st (B12) | ne (B12) | | Secondary Water Sedimi | ent? Yes Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) | No No nore required) |
| DROLO etland Hy imary India Surface High Wa Saturati | GY drology Indicators: eaters (mlnimum of or Water (A1) ater Table (A2) on (A3) | | Salt Crust Biotic Crust Aquatic In | (B11) st (B12) vertebrate | | | Secondary Water Sedim | indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Riv | nore required) wrine) (Riverine) erine) |
| DROLO etland Hy imary India Surface High Wa Saturati Water M | GY drology Indicators: eators (minimum of or Water (A1) eter Table (A2) on (A3) larks (B1) (Nonriveri | ne) | Salt Crust Biotic Crus Aquatic Int Hydrogen | (B11) st (B12) vertebrate Sulfide O | odor (C1) | Hydr | Secondary Water Sedime | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 | nore required) orine) (Riverine) erine) |
| strictive I Type: Depth (inimarks: DROLO etland Hy mary India Surface High Wa Saturati Water M SedIme: | GY drology Indicators: eaters (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriveriant Deposits (B2) (B2) (B2) (B2) (B2) (B2) (B2) (B2) | ne) iriverine) | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F | (B11) st (B12) vertebrate Sulfide O Rhizosphe | odor (C1) eres along Livin | Hydr | Secondary Water Sedimi Drift Do Draina Dry-Se | indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Riv | nore required) orine) (Riverine) erine) |
| DROLO PROLO Etland Hy Imary India Surface High Wa Saturati Water M Sedlme Drift De | GY drology Indicators: eators (minimum of or Water (A1) eater Table (A2) on (A3) flarks (B1) (Nonriverin posits (B2) (Nonriver) | ne) iriverine) | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F | (B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduca | odor (C1) eres along Livin ed Iron (C4) | Hydr g Roots (C3) | Secondary Water Sedimi Drift Do Draina Dry-Se Crayfis | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 ason Water Table | No K |
| DROLO etland Hy imary India Surface High Water M Sedlme, Drift De Surface | GY drology Indicators: eators (minimum of or Water (A1) eater Table (A2) on (A3) larks (B1) (Nonriverin n Deposits (B2) (Non posits (B3) (Nonriver Soll Cracks (B6) | ne) Iriverine) ine) | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro | (B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct n Reduct | odor (C1) eres along Livin ed Iron (C4) tion in Tilled So | Hydr g Roots (C3) | Secondary Water SedIm Drift Dr Draina Dry-Se Crayfis Satura | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 ason Water Table th Burrows (C8) | No K |
| DROLO etiand Hy mary India Surface High Water M Sedlmes Drift De Surface Inundati | GY drology Indicators: eators (minimum of or Water (A1) eater Table (A2) on (A3) flarks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B3) (Nonriversoll Cracks (B6) on Visible on Aerial In | ne) Iriverine) ine) | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro | (B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct in Reduct | odor (C1) eres along Livin ed Iron (C4) don in Tilled So (C7) | Hydr g Roots (C3) | Secondary Water Sedim Drift Dr Draina Dry-Se Crayfis Satura Shallor | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 ason Water Tabl th Burrows (C8) tion Visible on As | No N |
| DROLO etiand Hy mary India Surface High Water M SedIme Drift De Surface Inundati Water-S | GY drology Indicators: cators (minimum of or Water (A1) eter Table (A2) on (A3) tarks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B3)) on Visible on Aerial In Stained Leaves (B9) | ne) Iriverine) ine) | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck | (B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct in Reduct | odor (C1) eres along Livin ed Iron (C4) don in Tilled So (C7) | Hydr g Roots (C3) | Secondary Water Sedim Drift Dr Draina Dry-Se Crayfis Satura Shallor | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 ason Water Table th Burrows (C8) tion Visible on As w Aquitard (D3) | No N |
| DROLO etland Hy imary India Surface High Water M Sedlmes Drift De Surface Inundati Water-Seld Obser | GY drology Indicators: cators (minimum of or Water (A1) eter Table (A2) on (A3) tarks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B3)) on Visible on Aerial Installation Leaves (B9) vations: | ne) iriverine) ine) nagery (B7) | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp | (B11) st (B12) vertebrate Sutfide O Rhizosphe of Reduct in Reduct Surface olain in Re | odor (C1) eres along Livin ed Iron (C4) don In Tilled So (C7) emarks) | Hydr g Roots (C3) | Secondary Water Sedim Drift Dr Draina Dry-Se Crayfis Satura Shallor | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 ason Water Table th Burrows (C8) tion Visible on As w Aquitard (D3) | No N |
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| DROLO etland Hy imary India Surface High Wa Saturati Water M SedIme: Drift De: Surface Inundati Water-Seld Obser urface Wat ater Table | GY drology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) larks (B1) (Nonriveria nt Deposits (B2) (Nonriverse) on Visible on Aerial In Stained Leaves (B9) vations: er Present? Present? Ye resent? Ye | ne) iriverine) ine) nagery (B7) | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp | (B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct on Reduct Surface plain in Re ches): ches): | odor (C1) eres along Livin ed Iron (C4) don In Tilled So (C7) emarks) | g Roots (C3) | Secondary Water Sedimi Drift Do Draina Dry-Se Crayfis Satura Shallor FAC-N | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 ason Water Table th Burrows (C8) tion Visible on As w Aquitard (D3) | nore required) vrine) (Riverine) erine) (e (C2) erial imagery (C9 |
| DROLO etland Hy imary India Surface High Water M Sedlme. Drift De Surface Inundati Water Seld Obser | GY drology Indicators: eators (minimum of or Water (A1) ater Table (A2) on (A3) flarks (B1) (Nonriveriant Deposits (B2) (Nonriveriant Deposits (B3) (Nonriveriant Deposits (B3)) on Visible on Aerial in Stained Leaves (B9) vations: er Present? Yes | ne) Iriverine) Ine) Inagery (B7) Inagery Nes | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp | (B11) st (B12) vertebrate Suffide O Rhizosphe of Reduce in Reduct Surface blain in Re ches): ches): | odor (C1) eres along Livin ed Iron (C4) dlon in Tilled So (C7) emarks) | g Roots (C3) lis (C6) | Secondary Water Sedim Draina Dry-Se Crayfis Satura Shallor FAC-N | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 ason Water Table th Burrows (CB) tion Visible on As w Aquitard (D3) eutral Test (D5) | nore required) vrine) (Riverine) erine) (e (C2) erial imagery (C9 |
| DROLO etiand Hy imary India Surface High Water M Sedime: Drift De Surface Inundati Water-Seld Obser | GY drology Indicators: cators (mlnimum of or Water (A1) ater Table (A2) on (A3) tarks (B1) (Nonriveriant Deposits (B2) (Nonriversoll Cracks (B6) on Visible on Aerial In Stained Leaves (B9) vations: er Present? Present. | ne) Iriverine) Inagery (B7) es N es N gauge, mor | Salt Crust Biotic Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Thin Muck Other (Exp | (B11) st (B12) vertebrate Sulfide O Rhizosphe of Reduct in Reduct Surface chain in Re ches): ches): ches): | odor (C1) eres along Livin ed Iron (C4) don in Tilled So (C7) emarks) | g Roots (C3) lis (C6) Wetland Hy lons), if availa | Secondary Water Sedim Drift Do Draina Dry-Se Crayfis Satura Shalloo FAC-N | Indicators (2 or r Marks (B1) (Rive ent Deposits (B2) eposits (B3) (Rive ge Patterns (B10 ason Water Table th Burrows (C8) tion Visible on As w Aquitard (D3) eutral Test (D5) | nore required) vrine) (Riverine) erine) (e (C2) erial imagery (C9 |

WETLAND DETERMINATION DATA FORM - Arid West Region Kanch City/County: Orange CO Sampling Date: Ranch LLC Applicant/Owner: New PIRT Banning State: CA Sampling Point: ___ Section, Township, Range: 529 T65 Landform (hillislope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 4 3 Subregion (LRR): LRR - C Lat: N 33 8 07 Long: W 117 56 47 Datum: WGS 84 Soil Map Unit Name: My Ford Sandy Jam 0-270 Stopes ____ NWI classification: NA Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No_____ (If no, explain in Remarks.) Are Vegetation No., Soil No., or Hydrology No significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation 10, Soli 10, or Hydrology 10 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? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: AM VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size:) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species ____ = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size;) Prevalence Index worksheet: OBL species FACW species FAC species. FACU species = Total Cover Herb Stratum (Plot size: UPL species Column Totals: _ 2. BYDMUS Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% UPL Prevalence Index Is ≤3.01 acuter was Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Browns ruleus 3 4= Total Cover Problematic Hydrophytic Vegetation¹ (Explain) Woody Vine Stratum (Plot size: 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Total Cover Hydrophytic Vegetation % Bare Ground in Herb Stratum 277 % Cover of Biotic Crust Present? Remarks:

| Type: Decompatible to the depth needed to document the indicator or confirm the absence of indicators.) ### Remarks Color (moish) | | | | 1 - 2 to also suppose the | indicator or confir | | Sampling Point: | | |
|--|---|--|---|---|---|---|--|--|--|
| Color (most) % Color (moist) % Type Lee* Texture Remarks | | | to the depth h | | | III the absence of males | **** | | |
| Type: C=Concentration, D=Decision, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix, Varies Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils*: 1 cm Musk (Ap) (LRR C) 1 cm Musk (Ap) (LRR C) 1 cm Musk (Ap) (LRR C) 2 cm Musk (A10) (LRR B) Radix Histor (A3) Loarny Musky Mineral (F1) Reduced Matrix (F2) Red Partent Matrix (F3) Prick Dark Surface (A17) Peatox Depressions (F8) Prick Dark Surface (F2) Prick Dark Surface (F3) Prick Dark Surface (F3) Prick Dark Surface (F4) Prick Dark Surface (F4) Prick Dark Surface (F4) Prick Dark Surface (F5) Prick Dark Surface (F6) Prick Dark | | | % | | Type1 Loc2 | Texture | Remarks | | |
| Vyer. C=Concentration, D=Depiction, RM=Reduced Martix, CS=Covered or Costed Sand Grains. **Joseph Indicators: (Applicable to all LRRs, unless otherwise noted.) **National (A1)** **National (A1)** **National (A1)** **National (A1)* **Sandy Redox (S5)* **James (A2)* **James (A3)* ** | _ | 1 | | | NIDNE | Sandy loom | | | |
| yger: Contentions, P. Populabile to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Sidiped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Histic Epipedon (A2) Straffed Layers (A5) (LRR C) Depleted Matrix (F2) Loamy Mucky Mineral (F1) Redox Dark Surface (A1) Loamy Mucky Mineral (F2) Redox Dark Surface (A1) Loamy Mucky Mineral (F2) Cother (Explain in Remarks) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F4) Depth (inches): Non-E Pepth (inches): Vernal Pools (F9) Wetland Hydrology Indicators: Vernal Pools (F9) Water Marks (B1) (Montiverine) Sediment Deposits (B2) (Nontiverine) Hydrics Soil Crusk (B3) Sediment Deposits (B2) (Nontiverine) Surface Soil Cracks (B6) Sediment Deposits (B2) (Nontiverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Read Parent Matrix (B1) Surface Water (A1) Sediment Deposits (B2) (Nontiverine) Surface Soil Cracks (B6) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Read Parent Matrix (B1) Surface Soil Cracks (B6) Reduced Vertic (F16) Redox Vertic (F17) Redox Vertic (F18) Redox Verti | V-6 | 1101313 | | 1001-2 | | - | / = | | |
| ype: C-bottestination, p-D-bostation and LRRs, unless otherwise noted.) Histic Epiped and Large Sandy Redox (S5) | | | | | | - 0 | | | |
| yger Contentination, propheaties of all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 to muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR C) Histic Epipedon (A2) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) To muck (A9) (LRR D) Redox Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Trick Dark Surface (A12) Redox Depressions (F8) wetland hydrology must be present, unless disturbed or problematic. Particitive Layer (if present): Type: Non-E Pepth (inches): Non-E Water Marks (B1) (Nonriverine) Hydrogen Sulface (B1) Depited Dark Surface (A12) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B2) (Riverine) Sediment Deposits (B2) (Nonriverine) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Water Present? Yes No Depth (inches): Under Stained Leaves (B8) Other (Explain in Remarks) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): Under Table Present? Yes No Depth (inches): Solution Present? Yes No Depth (inches): Soluti | | | | | | - · | | | |
| yger: Contentions, P. Populabile to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Sidiped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Histic Epipedon (A2) Straffed Layers (A5) (LRR C) Depleted Matrix (F2) Loamy Mucky Mineral (F1) Redox Dark Surface (A1) Loamy Mucky Mineral (F2) Redox Dark Surface (A1) Loamy Mucky Mineral (F2) Cother (Explain in Remarks) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F4) Depth (inches): Non-E Pepth (inches): Vernal Pools (F9) Wetland Hydrology Indicators: Vernal Pools (F9) Water Marks (B1) (Montiverine) Sediment Deposits (B2) (Nontiverine) Hydrics Soil Crusk (B3) Sediment Deposits (B2) (Nontiverine) Surface Soil Cracks (B6) Sediment Deposits (B2) (Nontiverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Read Parent Matrix (B1) Surface Water (A1) Sediment Deposits (B2) (Nontiverine) Surface Soil Cracks (B6) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Read Parent Matrix (B1) Surface Soil Cracks (B6) Reduced Vertic (F16) Redox Vertic (F17) Redox Vertic (F18) Redox Verti | | | | 18.0 | | | _ | | |
| yger Contentination, propheaties of all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 to muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR C) Histic Epipedon (A2) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) To muck (A9) (LRR D) Redox Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Trick Dark Surface (A12) Redox Depressions (F8) wetland hydrology must be present, unless disturbed or problematic. Particitive Layer (if present): Type: Non-E Pepth (inches): Non-E Water Marks (B1) (Nonriverine) Hydrogen Sulface (B1) Depited Dark Surface (A12) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B2) (Riverine) Sediment Deposits (B2) (Nonriverine) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Water Present? Yes No Depth (inches): Under Stained Leaves (B8) Other (Explain in Remarks) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): Under Table Present? Yes No Depth (inches): Solution Present? Yes No Depth (inches): Soluti | | | | | | | | | |
| yger: Contentions, P. Populabile to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Sidiped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Histic Epipedon (A2) Straffed Layers (A5) (LRR C) Depleted Matrix (F2) Loamy Mucky Mineral (F1) Redox Dark Surface (A1) Loamy Mucky Mineral (F2) Redox Dark Surface (A1) Loamy Mucky Mineral (F2) Cother (Explain in Remarks) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F4) Depth (inches): Non-E Pepth (inches): Vernal Pools (F9) Wetland Hydrology Indicators: Vernal Pools (F9) Water Marks (B1) (Montiverine) Sediment Deposits (B2) (Nontiverine) Hydrics Soil Crusk (B3) Sediment Deposits (B2) (Nontiverine) Surface Soil Cracks (B6) Sediment Deposits (B2) (Nontiverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Read Parent Matrix (B1) Surface Water (A1) Sediment Deposits (B2) (Nontiverine) Surface Soil Cracks (B6) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Read Parent Matrix (B1) Surface Soil Cracks (B6) Reduced Vertic (F16) Redox Vertic (F17) Redox Vertic (F18) Redox Verti | | | | | | | | | |
| yger Contentination, propheaties of all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) 1 to muck (A9) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR C) Histic Epipedon (A2) Stripped Matrix (S6) 2 cm Muck (A10) (LRR C) Histic Epipedon (A2) Loamy Mucky Mineral (F1) Reduced Vertic (F18) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) To muck (A9) (LRR D) Redox Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Trick Dark Surface (A12) Redox Depressions (F8) wetland hydrology must be present, unless disturbed or problematic. Particitive Layer (if present): Type: Non-E Pepth (inches): Non-E Water Marks (B1) (Nonriverine) Hydrogen Sulface (B1) Depited Dark Surface (A12) Saturation (A3) Aquatic Invertebrates (B13) Drift Deposits (B2) (Riverine) Sediment Deposits (B2) (Nonriverine) Aquatic Invertebrates (B13) Drift Deposits (B3) (Riverine) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Solf Cracks (B6) Recent from Reduction in Tilled Solis (C6) Surface Water Present? Yes No Depth (inches): Under Stained Leaves (B8) Other (Explain in Remarks) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): Under Table Present? Yes No Depth (inches): Solution Present? Yes No Depth (inches): Soluti | | | | (4) | | | | | |
| yger: Contentions, P. Populabile to all LRRs, unless otherwise noted.) Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Sidiped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) Histic Epipedon (A2) Straffed Layers (A5) (LRR C) Depleted Matrix (F2) Loamy Mucky Mineral (F1) Redox Dark Surface (A1) Loamy Mucky Mineral (F2) Redox Dark Surface (A1) Loamy Mucky Mineral (F2) Cother (Explain in Remarks) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F4) Depth (inches): Non-E Pepth (inches): Vernal Pools (F9) Wetland Hydrology Indicators: Vernal Pools (F9) Water Marks (B1) (Montiverine) Sediment Deposits (B2) (Nontiverine) Hydrics Soil Crusk (B3) Sediment Deposits (B2) (Nontiverine) Surface Soil Cracks (B6) Sediment Deposits (B2) (Nontiverine) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Read Parent Matrix (B1) Surface Water (A1) Sediment Deposits (B2) (Nontiverine) Surface Soil Cracks (B6) Presence of Reduced Iron (C4) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Read Parent Matrix (B1) Surface Soil Cracks (B6) Reduced Vertic (F16) Redox Vertic (F17) Redox Vertic (F18) Redox Verti | | | | | | | | | |
| ype: C-bottestination, p-D-bostation and LRRs, unless otherwise noted.) Histic Epiped and Large Sandy Redox (S5) | | 2 10,00 | | v 1000 or 20020 to | | C-t- 2 onstion: D | -Pore Lining M=Matrly | | |
| Histosol (A2) | ype: C=C | oncentration, D=De | pletion, RM=Re | duced Matrix, CS=Cover | ed or Coated Sand | Indicators for Prob | elematic Hydric Solis ³ : | | |
| Histic Epipedon (A2) Black Histic (A3) Histic (A3) Hydrogen Suffide (A4) Loamy Mucky Mineral (F1) Hydrogen Suffide (A4) Straffide Layers (A5) (LRR D) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Redox Dark Surface (F5) Depleted Below Dark Surface (A12) Redox Depressions (F8) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F3) Loamy (Epiped Matrix (F3) Thick Dark Surface (A12) Redox Depressions (F8) Sandy Gleyed Matrix (S4) Lestrictive Layer (if present): Type: Nords Popth (inches): Premarks: YPROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Saft Crust (B11) High Water Table (A2) Saft Surface (B2) (Nonriverine) Hydrogen Suffice Odor (C1) Sediment Deposits (B2) (Nonriverine) Surface Soil Crust (B10) Surface Soil Crocks (B6) Recent Iron Reduction In Tilled Soils (C6) Surface Soil Crocks (B6) Invaled Leaves (B6) Invaled Leaves (B7) Water Asks (B1) Water Present? Yes No More Surface (B7) Water Marks (| - | | cable to all LK. | | rea.) | | | | |
| Histic Epiped Mick (2) Black Histic (A3) Hydrogen Sulfide (A4) Loarny Milcoky Milneral (F1) Hydrogen Sulfide (A4) Surstified Layers (A5) (LRR C) Depleted Matrix (F3) Thick Dark Surface (A11) Depleted Dark Surface (F6) Depleted Dark Surface (A11) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gloyed Matrix (R4) Sandy Gloyed Matrix (R4) Sandy Gloyed Matrix (R4) Sandy Gloyed Matrix (R4) Semantic Surface (A12) Popel (Inches): No. Personal Hydrology Indicators: No. Popel (Inches): No. No. No. No. No. No. No. No | _ | | | | 4 | 2 cm Muck (A1 | 0) (LRR B) | | |
| Start Rist (K-2) Startified (Layers (A5) (LRR C) Depleted Matrix (F2) Other (Explain In Remarks) | | | | | | | | | |
| Straffied Layers (A5) (LRR C) Depleted Matrix (F3) Other (Explain In Remarks) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Redox Depressions (F8) windleators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydrology indicators: Sandy Mucky Mineral (S1) Vernal Pools (F9) Unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydrology indicators: Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydrology indicators: Sandy Mucky Mineral (S1) Vernal Pools (F9) Wetland Hydrology indicators: Secondary Indicators (Indicators (Minimum of one required: check ell that apply) Secondary Indicators (Indicators (In | | | | | | Red Parent Ma | terial (TF2) | | |
| Tom Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A12) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Vernal Pools (F9) | Stratifie | d Layers (A5) (LRF | t C) | | | Other (Explain | in Remarks) | | |
| Depleted Bellow Dark Surface (A11) Thick Dark Surface (A12) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Vernal Pools (F9) Vernal Pools (| 1 cm Mi | uck (A9) (LRR D) | | | | | | | |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) Vernal Pools (F9) wetland hydrology must be present, unless disturbed or problematic. Private Soli Present? Yes No Popth (inches): Private Mydrology Indicators: Pointal (S1) Mydrology Indicators: Pointal (S2) Mydrology Indicators: Pointal (S2) Mydrology Indicators: Pointal (S3) Mydrology Indicators: Pointal (S4) Sediment Deposits (S1) (Riverine) Surface Water (A1) Salt Crust (S11) Weter Marks (S1) (Riverine) Surface Water (A2) Biotic Crust (S12) Sediment Deposits (S2) (Riverine) Mater Marks (S1) (Nonriverine) Hydrogen Sulfide Odor (C1) Drainage Patterns (S10) Sediment Deposits (S2) (Nonriverine) Oxidized Rhizospheres along Living Roots (C3) Dry-Season Water Table (C2) Drift Deposits (S3) (Nonriverine) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Surface Soli Cracks (S6) Present (Present) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (S8) Other (Explain in Remarks) FAC-Neutral Test (D5) Point Deposits (Present? Yes No Depth (Inches): Wetland Hydrology Present? Yes No Depth (Inches): Wetland Hydrology Pre | Deplete | d Below Dark Surfa | ace (A11) | | | Stationing of budge | nbutic vegetation and | | |
| Sandy Gleyed Matrix (S4) estrictive Layer (If present): Type: NonE Depth (Inches): NA Wetland Hydrology Indicators: **Momarks:** **Momark Indicators (Inches): National Indicators (Inches): None Inches (Inches): Non | | | | | (F8) | motoators or rigaro | v must be present. | | |
| Seany Gelyeler Water (If present): Type: NorJE Depth (inches): Nor | | | | Vemai Podis (F9) | | unless disturbed | unless disturbed or problematic. | | |
| Type: Non-E Depth (inches): No | | | | | | | | | |
| Depth (inches): New No Property (inches): New No Property (inches): New No Property (includes capillary fringe) Depth (inches): No Property (inches): No Property (includes capillary fringe) Depth (inches): No Property (inches): No | | | | | | | ./ | | |
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| Water Marks (B1) (Nonriverine) | Vetland Hy Primary Ind Surface | ydrology Indicator licators (minimum o e Water (A1) | | Salt Crust (B11) | | Water Ma SedImen | arks (B1) (Riverine) t Deposits (B2) (Riverine) | | |
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| Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Sat | Vetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- | ydrology Indicator licators (minimum o e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriv ent Deposits (B2) (Nonriv e Soil Cracks (B6) tion Visible on Aeris Stained Leaves (B8) | f one required: (refine) Nonriverine) verine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surface | ates (B13) Odor (C1) Theres along Living local fron (C4) Total front (C4) Total front (C7) Total front (C7) | Water Mi SedImen Drift Dep Drainage Roots (C3) Dry-Seat Crayfish (C6) Saturatio Shallow | arks (B1) (Riverine) t Deposits (B2) (Riverine) tosits (B3) (Riverine) Patterns (B10) ton Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (C | | |
| Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: | Wetland Hy Primary Ind Surface High W Satural Water I Sedime Drift De Surface Inunda Water- | ydrology Indicator licators (minimum o e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriv ent Deposits (B2) (Nonriv e Soil Cracks (B6) ction Visible on Aeria Stained Leaves (B6) ervations: | rerine) Nonriverine) verine) al Imagery (B7) Yes No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain in | ates (B13) Odor (C1) heres along Living luced Iron (C4) action in Tilled Soils act (C7) Remarks) | Water Mi SedImen Drift Dep Drainage Roots (C3) Dry-Seat Crayfish (C6) Saturatio Shallow | arks (B1) (Riverine) t Deposits (B2) (Riverine) tosits (B3) (Riverine) Patterns (B10) ton Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (C | | |
| (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Inspections), if available; | Wetland Hy Primary Ind Surface High W Satural Water I Sedime Drift De Surface Inunda Water- Field Obse | ydrology Indicator licators (minimum o e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriv ent Deposits (B2) (Nonriv e Soil Cracks (B6) tion Visible on Aeris Stained Leaves (B8) ervations: ater Present? | rerine) Nonriverine) verine) al Imagery (B7) Yes No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain in | ates (B13) Odor (C1) wheres along Living I uced Iron (C4) uction In Tilled Soils ac (C7) Remarks) | Water Mail SedImen Drift Dep Drainage Roots (C3) Crayfish (C6) Shallow FAC-Net | arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) con Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (C Aquitard (D3) | | |
| | Surface Water Table Water Table Water Table | ydrology Indicator licators (minimum o e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriv ent Deposits (B2) (Nonriv e Soil Cracks (B6) tion Visible on Aeri Stained Leaves (B8) ervations: ater Present? | rerine) Nonriverine) verlne) al Imagery (B7) 3) Yes No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebric Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain in | ates (B13) Odor (C1) wheres along Living I uced Iron (C4) uction In Tilled Soils ac (C7) Remarks) | Water Mail SedImen Drift Dep Drainage Roots (C3) Crayfish (C6) Shallow FAC-Net | arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) con Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (C Aquitard (D3) | | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Vetland Hy Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface We Water Tablo | ydrology Indicator licators (minimum o e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriv ent Deposits (B2) (Nonriv e Soil Cracks (B6) ction Visible on Aeri Stained Leaves (B6) ervations: ater Present? e Present? | rerine) Nonriverine) verine) al Imagery (B7) Yes No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebric Hydrogen Sulfide Oxidized Rhizospic Presence of Reduce Recent Iron Reduce Thin Muck Surfact Other (Explain In Depth (Inches): Depth (Inches): Depth (Inches): | ates (B13) Odor (C1) wheres along Living I uced Iron (C4) uction In Tilled Soils are (C7) Remarks) | Water Mi SedImen Drift Dep Drainage Roots (C3) Dry-Seas Crayfish (C6) Saturatio Shallow FAC-Net | arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) on Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (CA) Aquitard (D3) | | |
| TALL STATE OF THE PARTY OF THE | Primary Ind Surface High W Saturat Water I Sedime Drift De Surface Inunda Water- Field Obse Surface We Water Tablo | ydrology Indicator licators (minimum o e Water (A1) Vater Table (A2) tion (A3) Marks (B1) (Nonriv ent Deposits (B2) (Nonriv e Soil Cracks (B6) ction Visible on Aeri Stained Leaves (B6) ervations: ater Present? e Present? | rerine) Nonriverine) verine) al Imagery (B7) Yes No | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebric Hydrogen Sulfide Oxidized Rhizospic Presence of Reduce Recent Iron Reduce Thin Muck Surfact Other (Explain In Depth (Inches): Depth (Inches): Depth (Inches): | ates (B13) Odor (C1) wheres along Living I uced Iron (C4) uction In Tilled Soils are (C7) Remarks) | Water Mi SedImen Drift Dep Drainage Roots (C3) Dry-Seas Crayfish (C6) Saturatio Shallow FAC-Net | arks (B1) (Riverine) t Deposits (B2) (Riverine) osits (B3) (Riverine) Patterns (B10) con Water Table (C2) Burrows (C8) n Visible on Aerial Imagery (C Aquitard (D3) | | |

Arid West - Version 2.0

| Project/Slie: Newfort Banning Ram | ch city/c | county: Olan | use co | Sampling Date: 5-1-12 |
|---|-----------------------------|-------------------|--|---|
| Applicant/Owner: New FUT Bannirk Ram | | | (I) | Sampling Point: SS |
| Investigator(s): TBonkamp | | on, Township, Rar | nge: 529 T | |
| Landform (hillslope, terrace, etc.): Terrace | | | convex, none); Cons | |
| | | • | Long: W117 56 L | |
| Soil Map Unit Name: My Force Sandy Mam | | | | |
| Are climatic / hydrologic conditions on the site typical for this | | 9403 | | . , |
| Are Vegetation NO , Soil No , or Hydrology NO si | | | Normal Circumstances" p | |
| Are Vegetation No., Soil Nor Hydrology No na | | | eded, explain any answe | :810-00-00 |
| SUMMARY OF FINDINGS - Attach site map s | | | _ | , |
| Command of Findings - Attach site map s | Mowing San | ibing bour it | ocations, transects | , important reatures, etc. |
| Hydrophytic Vegetation Present? Yes No | | Is the Sampled | Агеа | |
| Hydric Soil Present? Yes No | | within a Wetlan | d? Yes | No <u>X</u> _ |
| Wetland Hydrology Present? Yes No Remarks: | | | | · |
| Kenaks. | | | | |
| | | | | |
| | | | | |
| VEGETATION - Use scientific names of plant | s. | | | |
| Tree Stratum (Plot size: | Absolute Don % Cover Spe | ninant Indicator | Dominance Test work | |
| 1 | | | Number of Dominant S That Are OBL, FACW, | pedles or FAC: (A) |
| 2 | | | | |
| 3, | | | Total Number of Domir Species Across All Stra | |
| 4, | | | 5 = | |
| Carling/Obach Distance (Distance) | = To | tal Cover | Percent of Dominant S That Are OBL, FACW, | |
| Saoling/Shrub Stratum (Plot size:) | | | Prevalence index wor | |
| 1 | | | Total % Cover of: | |
| 3 | | | | x1= |
| 4 | | | FACW species | |
| 5 | | | FAC species | 1 x3= 3 |
| Herb Stratum (Plot size: 5 - Vadius) | = To | tal Cover | FACU species | 5 x4= 260 |
| | 20 11 | es Esc. | UPL species | |
| 1. Vulpia myoros 2. Acmis pun gladen | 15 | FACU | Column Totals: | 8 (A) <u>373</u> (B) |
| 3. Bocoma manziesii | 75 7 | No UPL | Prevalence Index | = B/A = 4.23 |
| 4. Contaurea melitensis | 1.21 | 10 UPL | Hydrophytic Vegetation | |
| 5. Ruman on 15 pus | 1 1 | io FAL | Dominance Test Is | >50% |
| 6. Hetrothe in grandifiera | 2 n | O UPL | Prevalence Index i | s ≤3.0 ¹ |
| 7 | | | Morphological Ada | ptations ¹ (Provide supporting |
| 8. | 00 | | | s or on a separate sheet) phytic Vegetation ¹ (Explain) |
| Mandy Vina Stratum / Plat along | - 70 = To | tal Cover | | priylic vegetation (Explain) |
| Woody Vine Stratum (Plot size:) 1 | | | Indicators of hydric so | il and wetland hydrology must |
| 2 | | | be present, unless disti | urbed or problematic. |
| | 8870= TO | tal Cover | Hydrophytic | |
| % Bare Ground in Herb Stratum / 25% % Cover | of Biotic Crust _ | Arran - | Venetation | s No 💥 |
| Remarks: | ואטור טומטוב וט | | Present? Ye | s NO /₹/ |
| TOTALINO. | | | | |
| | | | | |
| | | | | |
| | | | | |

| Profile Desc Depth | ription: (Describe Matrix | ro me asbru r | needed to document the li | | | 2 2207737999995 |
|--|--|----------------------------------|--|----------------|-----------------|---|
| (inches) | Color (moist) | % | Color (moist) % | Type' Loc | | |
| 0-6 | 2,543/3 | 100 | NONE | NONE | Sanda | Lohn |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | - | | | | | |
| | | | | | | |
| | | | | | | |
| | 1951-2 | | | | | |
| | | | | | | |
| Type: C=C | oncentration, D=Dep | oletion, RM=Re | educed Matrix, CS=Covered | or Coated Sa | nd Grains. | ² Location: PL≃Pore Lining, M=Matrix. |
| lydric Soll | Indicators: (Applic | able to all LR | Rs, unless otherwise not | ed.) | ina | icators for Problematic Hydric Solls ³ : |
| Histosol | I (A1) | | Sandy Redox (S5) | | | 1 cm Muck (A9) (LRR C) |
| | plpedon (A2) | | Stripped Matrix (S6) | 1.754) | _ | 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) |
| | listic (A3) | | Loamy Mucky Minera | | | Red Parent Material (TF2) |
| | en Sulfide (A4) | C/ | Loamy Gleyed Matrix Depleted Matrix (F3) | (12) | - | Other (Explain in Remarks) |
| | d Layers (A5) (LRR uck (A9) (LRR D) | 0) | Redox Dark Surface | (F6) | _ | |
| | ed Below Dark Surfa | ce (A11) | Depleted Dark Surface | e (F7) | | |
| | ark Surface (A12) | . , | Redox Depressions (| | | dicators of hydrophytic vegetation and |
| | Mucky Mineral (S1) | | Vernal Pools (F9) | | | wetland hydrology must be present, |
| | Gleyed Matrix (S4) | | | | | unless disturbed or problematic. |
| | Layer (If present): | | | | | |
| Type: | V 8 | ~ | | | Lived | iric Soll Present? Yes No No |
| Depth (in | nches): | R | | | nyu | THE SOIL FESSION FOR |
| Remarks: | | | | | | |
| | | | | | | ¥) |
| | | | 87 | | | |
| | | | | | | |
| YDROLO | OGY | | | | | |
| Wetland Hy | ydrology Indicators | 3 | | | | |
| Primaty Ind | icators (minimum of | one required; o | check all that apply) | | | Secondary Indicators (2 or more regulred) |
| Surface | e Water (A1) | | Salt Crust (B11) | | | Water Marks (B1) (Riverine) |
| High W | /ater Table (A2) | | Blotic Crust (B12) | | | Sediment Deposits (B2) (Riverine) |
| Saturat | tion (A3) | | Aquatic Invertebrat | es (B13) | | Drift Deposits (B3) (Riverine) |
| | Marks (B1) (Nonrive | | Hydrogen Sulfide C | odor (C1) | D1- (03 | Drainage Patterns (B10) |
| | ent Deposits (B2) (N | | | | ig Roots (C3 | Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| | eposits (B3) (Nonriv | erine) | Presence of Reduc | ed Iron (U4) | ile (CB) | Saturation Visible on Aerial Imagery (C9) |
| | e Soll Cracks (B6) | | Recent Iron Reduc | | ilis (CO) | Shallow Aquitard (D3) |
| | tion Visible on Aeria | | Thin Muck Surface | | | FAC-Neutral Test (D5) |
| | Stained Leaves (B9) | | Other (Explain in R | ritigiva) | | |
| Water- | | | V 5 | | | |
| Water- Field Obse | | | | | | |
| Water- Fleid Obse Surface Wa | ater Present? | Yes No | | | | G (9 |
| Water-Field Obse Surface Water Table | ater Present? e Present? | Yes No | Depth (inches): | | Matland L | hydrology Present? Yes No W |
| Water- Field Obse Surface Water Table Saturation I | ater Present? e Present? Present? | Yes No | | | Wetland H | lydrology Present? Yes No |
| Water- Field Obse Surface Water Table Saturation I | eter Present? e Present? Present? | Yes No | Depth (Inches): | | | |
| Water- Field Obse Surface Water Table Saturation I | ater Present? e Present? Present? apillary fringe) ecorded Data (strea | Yes No Yes No m gauge, mon | Depth (Inches): | revious Inspec | tions), If avai | ilable: |
| Water- Field Obse Surface Water Table Saturation I (includes of Describe R | ater Present? e Present? Present? apillary fringe) ecorded Data (strea | Yes No Yes No m gauge, mon | Depth (Inches): | revious Inspec | tions), If avai | ilable: |
| Water- Field Obse Surface Water Table Saturation I | ater Present? e Present? Present? apillary fringe) ecorded Data (strea | Yes No Yes No m gauge, mon | Depth (Inches): | revious Inspec | tions), If avai | ilable: |
| Water- Fleid Obse Surface Water Tablo Saturation I (includes Ca Describe R | ater Present? e Present? Present? apillary fringe) ecorded Data (strea | Yes No Yes No m gauge, mon | Depth (Inches): | revious Inspec | tions), If avai | ilable: |
| Water- Fleld Obse Surface Water Tablo Saturation I (includes ca Describe R | ater Present? e Present? Present? apillary fringe) ecorded Data (strea | Yes No Yes No m gauge, mon | Depth (Inches): | revious Inspec | tions), If avai | |
| Water- Field Obse Surface Wa Water Table Saturation I Includes ca Describe R | ater Present? e Present? Present? apillary fringe) ecorded Data (strea | Yes No Yes No m gauge, mon | Depth (Inches): | revious Inspec | tions), If avai | ilable: |

| Project/Site: Newfort Banning Ranch City/County | DRANGE CO. Sampling Date: 5-1-12 |
|---|--|
| Applicant/Owner New Port Banning Ranch LLC | State: CA Sampling Point 77 |
| | winship, Range: 529 TGS RIOW |
| | (concave, convex, none): Concave Slope (%): < 2 \ |
| Subregion (LRR): LRR - C Lat N 33 8 4 | |
| Soil Map Unit Name: My Force Sandy Dam 0-270 S | |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes | |
| Are Vegetation No., Soil No., or Hydrology No significantly disturbed? | Are "Normal Circumstances" present? Yes No |
| Are Vegetation No. Soil No. or Hydrology No naturally problematic? | |
| | (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing samplin | g point locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Is th | e Sampled Area |
| Hydric Soil Present? Yes No W with | in a Wetland? Yes No X |
| Wetland Hydrology Present? Yes No X | |
| Remarks: Frative 15 Low area in former | asphalt Roadway Whome |
| as phalt has deteriorated | |
| | |
| VEGETATION - Use scientific names of plants. | |
| Tree Stratum (Plot size:) Absolute Dominant % Cover Species? | District |
| 1, | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2, | Total Number of Dominant |
| 3 | Species Across All Strata; (B) |
| 4 | Percent of Dominant Species |
| = Total Co | ver That Are OBL, FACW, or FAC: (A/B) |
| 1 | Prevalence Index worksheet; |
| 2, | Total % Cover of: Multiply by: |
| 3, | OBL species x 1 = |
| 4 | |
| 5 | FAC species 10 x3 = 30 |
| Herb Stratum (Piot size: 5 - Yadius) = Total Co | L Land |
| 1. Bromus hordeaceus 40 VC | UPL species 15 x5= 75 |
| 2 Socoma menziesti 15 Jus | Column Totals: (A) (B) |
| 3. Melilotus indicus 15 yes | Prevalence Index = B/A = 4.06 |
| 4. Erodium botrus 5 tho | Hydrophytic Vegetation Indicators: |
| 5. Rumax Crispus 10 Mo | FAC Dominance Test is >50% |
| 6, | Prevalence Index is ≤3.0 ¹ |
| 7- | Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8, | |
| Woody Vine Stratum (Plot size:) = Total Co | ver |
| 1 | ¹ Indicators of hydric soil and wetland hydrology must |
| 2, | be present, unless disturbed or problematic. |
| 85 = Total Co | ver Hydrophytic |
| % Bare Ground in Herb Stratum | Vegetation Present? Yes No No |
| Remarks: | 100 |
| | |
| | |
| | |
| | |

| OIL Profile Description: (Describ | e to the depth | needed to document the indicator | or confirm | the absence of indicators.) |
|--|------------------|---|---------------|--|
| Depth Matrix | E 20 min ===@ | Redox Features | | |
| (Inches) Color (maist) | % | Color (moist) % Type | _Loc2 | Texture Remarks |
|)=6 2,543/3 | 100 - | NONE | SA | why loam |
| | | | | . (|
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| | | | | |
| Type: C=Concentration, D=D | epletion, RM=R | educed Matrix, CS=Covered or Coat | ed Sand Gr | ains. ² Location: PL=Pore Lining, M=Matrix. |
| vdric Soll Indicators: (Appl | Icable to all LF | RRs, unless otherwise noted.) | | indicators for Propietisade Hyario deliber |
| Histosol (A1) | | Sandy Redox (S5) | Ser. | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) | | Stripped Matrix (S6) | | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) | | Loamy Mucky Mineral (F1) | | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) | | Loamy Gleyed Matrix (F2) | | Red Parent Material (TF2) Other (Explain in Remarks) |
| Stratified Layers (A5) (LRI | ₹ C) | Depleted Matrix (F3) | | Other (Explain in Kentana) |
| 1 cm Muck (A9) (LRR D) | | Redox Dark Surface (F6) Depleted Dark Surface (F7) | | |
| Depleted Below Dark Surf | ace (A11) | Redox Depressions (F8) | | 3Indicators of hydrophytic vegetation and |
| _ Thick Dark Surface (A12) | | Vemal Pools (F9) | | wetland hydrology must be present, |
| Sandy Mucky Mineral (S1) | | Vernai Pools (1 3) | | unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) Restrictive Leyer (If present) | | | | PACE TO THE PACE T |
| V 100 19 | - | | 5 | , |
| Type. | A | | | Hydric Soil Present? Yes No No |
| Depth (Inches):N | # 33 | | | |
| HYDROLOGY | | 8 - | an ari | |
| Wetland Hydrology Indicato | rs: | | | |
| Primary Indicators (minimum o | | check all that apply) | | Secondary Indicators (2 or more required) |
| Surface Water (A1) | | Salt Crust (B11) | | Water Marks (B1) (Riverine) |
| High Water Table (A2) | 50 | Biotic Crust (B12) | | Sediment Deposits (B2) (Riverine) |
| Saturation (A3) | | Aquatic Invertebrates (B13) | W | Drift Deposits (B3) (Riverine) |
| Water Marks (B1) (Nonri | verine) | Hydrogen Sulfide Odor (C1) | | Drainage Patterns (B10) |
| Sediment Deposits (B2) (| Nonriverine) | Oxidized Rhizospheres alor | ig Livlng Ro | ots (C3) Dry-Season Water Table (C2) |
| Drift Deposits (B3) (Nonr | iverine) | Presence of Reduced Iron (| C4) | Crayfish Burrows (C8) |
| Surface Soll Cracks (B6) | | Recent Iron Reduction in Ti | lled Soils (C | Saturation Visible on Aerial Imagery (C9 |
| Inundation Visible on Aer | ial imagery (B7) | | | Shallow Aquitard (D3) |
| Water-Stained Leaves (B | | Other (Explain in Remarks) | | FAC-Neutral Test (D5) |
| F)eld Observations: | -/ | | | |
| | Yes h | lo X Depth (inches): | | |
| Surface Water Present? Water Table Present? | | lo Depth (inches): | | |
| Water Table Present? | | | | land Hydrology Present? Yes No 🔀 |
| | 162 N | Depth (inches): | | |
| Saturation Present? | | | | |
| Saturation Present? (includes capillary fringe) Describe Recorded Data (stre | am gauge, moi | nitoring well, serial photos, previous | | |
| Saturation Present? (includes capillary fringe) Describe Recorded Data (stre | am gauge, moi | nitoring well, serial photos, previous | | |
| Saturation Present? (includes capillary fringe) Describe Recorded Data (stre | am gauge, moi | nitoring well, serial photos, previous | | |
| Saturation Present? (includes capillary fringe) Describe Recorded Data (stre | am gauge, moi | nitoring well, serial photos, previous | | Accounted for Parding on Subscation |

| Project/Site: Newfort Banning Rama | h_ city/County: ORM | GE (0: Sampling Date: 6-9-12 |
|--|--------------------------------------|---|
| Applicant/Owner: NEWPORT Banning Ranch | ше | State: CA Sampling Point: VP1 |
| Investigator(s): Thrukamp | Section, Township, Rang | e: 529 T65 ROW |
| Landform (hillslope, terrace, etc.): | Local relief (concave, co | nvex, none): Loncave Slope (%): < 2 7 |
| | Lat: N 33 8 97 | Long: W117 56 47 Datum: WG 5 81 |
| | | NWI classification: N/A |
| Are climatic / hydrologic conditions on the site typical for this ti | me of year? Yes No | (If no, explain in Remarks.) |
| Are Vegetation No Soil No or Hydrology No sign | | ormal Circumstances" present? Yes No |
| Are Vegetation NO Soil NO, or Hydrology NO nat | urally problematic? (If nee | ded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS — Attach site map st | | cations, transects, important features, etc. |
| Tryatopriyas regonater recent | ls the Sampled A within a Wetland | ~ |
| VEGETATION – Use scientific names of plants | S. | |
| | Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) 1 | % Cover Species? Status | Number of Dominant Species That Are OBL, FACW, or FAC: |
| 2. | | |
| 3 | | Total Number of Dominant Species Across All Strata: (B) |
| 4. | | Percent of Dominant Species |
| On the JOhn to Charless (Diet aire) | = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size:) 1. 134 CCh WIS Salicifolis | 30 Y FAC | Prevalence Index worksheet: |
| 2. | | Total % Cover of: Multiply by: |
| 3 | | OBL species |
| 4 | | FACW species |
| 5. Whole Pool | = Total Cover | FACU species |
| Herb Stratum (Plot size:) | | UPL species x5= |
| 1. Poly Augen monspellensis | The y | Column Totals: 130 (A) 329 (B) |
| 2. Distichis spicata | 5 h FACH | Prevalence Index = B/A = |
| 3. Malvella leprosa 4. Eleocheris macrostachya | 10 N DBL | Hydrophytic Vegetation Indicators: |
| 5. Ev Maria occidentalis | 5 N FACW | Dominance Test Is >50% |
| 6. Franklenia Salina | 3 n FACW | N Prevalence Index is ≤3.0¹ |
| 7. Ambrosia psilostachya | 1 h FACU | Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | 100 = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | 100 = Total Gover | |
| 1 | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2 | 120 | |
| % Bare Ground in Herb Stratum % Cover | of Biotic Crust | Hydrophytic Vegetation Present? Yes No No |
| Remarks: | v | 4 |
| U.S. S. | | |
| | | |
| | | |
| | | |

| rofile Description: (Describe to the o | Redox F | Features | | AND THE PROPERTY OF THE PROPER |
|--|---|---|---------------------------------------|--|
| nches) Color (moist) % | Color (moist) | % Type' | _Loc²_ | Texture Remarks |
| 1-6 21543/2 90 | SYR4/L | 10 C | M | Clay IDAM |
| | | | - | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| /pe: C=Concentration, D=Depletion, | DM-Reduced Matrix CS | Covered or Coat | ed Sand Gr | ains. ² Location: PL=Pore Lining, M=Matrix. |
| dric Soil Indicators: (Applicable to | all LRRs, unless otherw | vise noted.) | ou come, and | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) | Sandy Redox | | | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) | Stripped Matr | | | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) | | y Mineral (F1) | | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) | Loamy Gleye | | | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) | Depleted Mat | - | | Other (Explain in Remarks) |
| _ 1 cm Muck (A9) (LRR D) | Redox Dark S | | | |
| Depleted Below Dark Surface (A11) | | rk Surface (F7) | | 31 di es le releambetta registation and |
| _ Thick Dark Surface (A12) | Redox Depre | | | ³ Indicators of hydrophytic vegetation and |
| _ Sandy Mucky Mineral (S1) | Vemal Pools | (F9) | | wetland hydrology must be present, unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) | | | | unless disturbed or problematic. |
| estrictive Layer (If present): | | | | |
| Type: NONE | | | | Hydric Soil Present? Yes No |
| Depth (inches): | - Interview | | | 11,000 |
| ۵ | | | | |
| | | | | |
| | | | | |
| /etland Hydrology Indicators: | urired: check all that apply | ·) | | Secondary Indicators (2 or more require |
| /etland Hydrology Indicators: rimary indicators (minimum of one rec | | | | |
| etland Hydrology Indicators: rimary indicators (minimum of one rec Surface Water (A1) | Salt Crust (| (B11) | | Water Marks (B1) (Riverine) |
| etland Hydrology Indicators: rimary indicators (minimum of one rec Surface Water (A1) High Water Table (A2) | Salt Crust (| (B11) t (B12) | | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one reconstruction) Surface Water (A1) High Water Table (A2) Saturation (A3) | Salt Crust (Biotic Crust Aquatic Inv | (B11) t (B12) vertebrates (B13) | | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) |
| Vetland Hydrology Indicators: rimary indicators (minimum of one rec Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) | Salt Crust (Blotic Crust Aquatic Inv Hydrogen 5 | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) | ng Living Po | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) |
| Vetland Hydrology Indicators: rimary indicators (minimum of one reconstruction (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriver | Salt Crust (Blotic Crusi Aquatic Inv Hydrogen S Ine) Oxidized R | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor | ng Living Ro | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one reconstruction (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) | Salt Crust (Blotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence of | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (| ng Living Ro C4) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| Vetland Hydrology Indicators: rimary indicators (minimum of one reconstruction (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Irot | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti | ng Living Ro C4) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery |
| Tetland Hydrology Indicators: rimary Indicators (minimum of one reconstruction (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Iron ry (B7) Thin Muck | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) | ng Living Ro C4) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one reconstruction (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Iron ry (B7) Thin Muck | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti | ng Living Ro C4) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery |
| Vetland Hydrology Indicators: rImary Indicators (minimum of one reconstruction (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 Image Water-Stained Leaves (B9) ield Observations: | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Iror ry (B7) Thin Muck Other (Exp | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) olain in Remarks) | ng Living Ro C4) Iled Soils (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one reconstruction of the re | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iron Ty (B7) Thin Muck Other (Exp | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) | ng Living Ro C4) Iled Soils (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) |
| /etland Hydrology Indicators: r/mary Indicators (minimum of one reconstruction (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 Image Water-Stained Leaves (B9) Field Observations: | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Iror ry (B7) Thin Muck Other (Exp | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) chizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) olain in Remarks) ches): | ng Living Ro C4) Iled Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Vetland Hydrology Indicators: rImary Indicators (minimum of one reconstruction of the r | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Iron Thin Muck Other (Exp | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) olain in Remarks) ches): | ng Living Ro G4) Illed Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Vetland Hydrology Indicators: Imary Indicators (minimum of one reconstruction of the re | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Iror Ty (B7) Thin Muck Other (Exp | (B11) it (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (in Reduction in Till Surface (C7) olain in Remarks) ches): ches): ches): cthes): cthes): cthes): ches): | ng Living Ro (C4) Illed Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| /etland Hydrology Indicators: r/mary Indicators (minimum of one reconstruction of the re | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Iror Ty (B7) Thin Muck Other (Exp | (B11) it (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (in Reduction in Till Surface (C7) olain in Remarks) ches): ches): ches): cthes): cthes): cthes): ches): | ng Living Ro (C4) Illed Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Image Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Sincludes capillary fringe) Describe Recorded Data (stream gauge | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror ry (B7) Thin Muck Other (Exp No Depth (inc No Depth (inc | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) olain in Remarks) ches): ches): ches): | ng Living Ro (C4) Illed Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Vetland Hydrology Indicators: Imary Indicators (minimum of one reconstruction (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 Image Water-Stained Leaves (B9) Tield Observations: Surface Water Present? Water Table Present? Ves Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gauge | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror ry (B7) Thin Muck Other (Exp No Depth (inc No Depth (inc | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) olain in Remarks) ches): ches): ches): | ng Living Ro (C4) Illed Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Vetland Hydrology Indicators: Imary Indicators (minimum of one reconstruction (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 Image Water-Stained Leaves (B9) Veter Table Present? Ves Saturation Present? Yes Includes capillary fringe) Describe Recorded Data (stream gauge) | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Ine) Oxidized R Presence c Recent Iror Ty (B7) Thin Muck Other (Exp | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) olain in Remarks) ches): ches): ches): | ng Living Ro (C4) Illed Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Vetland Hydrology Indicators: Imary Indicators (minimum of one reconstruction (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 Image Water-Stained Leaves (B9) Tield Observations: Surface Water Present? Water Table Present? Ves Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gauge | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror ry (B7) Thin Muck Other (Exp No Depth (inc No Depth (inc | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) olain in Remarks) ches): ches): ches): | ng Living Ro (C4) Illed Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Vetland Hydrology Indicators: rImary Indicators (minimum of one reconstruction (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 Image Water-Stained Leaves (B9) Field Observations: Surface Water Present? Ves Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gauge | Salt Crust (Biotic Crust (Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror ry (B7) Thin Muck Other (Exp No Depth (inc No Depth (inc | (B11) t (B12) vertebrates (B13) Sulfide Odor (C1) thizospheres alor of Reduced Iron (n Reduction in Ti Surface (C7) olain in Remarks) ches): ches): ches): | ng Living Ro (C4) Illed Solls (C | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) FAC-Neutral Test (D5) |

| Project/Site: Newfort Banning Rand City/County: ORAN | 55 CO. Sampling Date: 6-9-12 |
|--|---|
| Applicant/Owner: NEWFORT Banning ORanch LLC | State: CA Sampling Point: \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| Investigator(s): Tistus kamp Section, Township, Rang | e: Sag TLS KLOW |
| Landform (hillslope, terrace, etc.): Tevale Local relief (concave, co | nvex, none): CONCANC Slope (%): < 2.70 |
| Consider () A | Long: W117 56 47 Datum: WG 5 84 |
| | MWI classification: N/A |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | |
| , | ormal Circumstances" present? Yes No |
| , to vogotato | ded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling point lo | cations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No is the Sampled A | Aron |
| Hydric Soll Present? Yes No within a Wetland | 4 |
| Wetland Hydrology Present? Yes No | |
| Remarks: | 1 |
| | |
| | |
| VEGETATION – Use scientific names of plants. | |
| Absolute Dominant Indicator Tree Stratum (Plot size:) | Dominance Test worksheet: Number of Dominant Species |
| 1 | That Are OBL, FACW, or FAC:(A) |
| 2 | Total Number of Dominant |
| 3 | Species Across All Strata:(B) |
| 4 = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: 750 (NB) |
| Sapling/Shrub Stratum (Plot size:) | Walter Company of the West |
| 1. Bacchanis salicitolia 5 y FAC | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| 2 | OBL species 20 x1= 20 |
| 4 | FACW species 30 x2= 60 |
| 5 | FAC species |
| = Total Cover | FACU speciesx4=x8 |
| Herb Stratum (Plot size: 3 12) 1 Ly Thrum hyssara folium 30 y FACW | UPL species x 5 = (B) |
| 2 Cotala Commontalia, 20 4 post | |
| 3. Demandra Hasciculata 20 4 FACO | Prevalence Index = B/A = 2, 43 |
| 4. Rumax arispus 8 M FAC | Hydrophytic Vegetation Indicators: Dominance Test is >50% |
| 5. Heliptropium Curassivicum 2 n FACU | Prevalence Index is ≤3.01 |
| 6 | Morphological Adaptations1 (Provide supporting |
| 8 | data in Remarks or on a separate sheet) |
| Total Cover | Problematic Hydrophyllc Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | ¹Indicators of hydric soll and welland hydrology must |
| 1 | be present, unless disturbed or problematic. |
| 85 = Total Cover | Hydrophytic |
| % Bare Ground in Herb Stratum 1500 % Cover of Blotic Crust | Vegetation Present? Yes No |
| Remarks: | J |
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US Army Corps of Engineers

Arld West - Version 2.0

| | Randh city/c | county: ORM | 6E (0. Sampling Date: 6-9-12 |
|--|------------------------------|---------------------------|--|
| Applicant/Owner NewPort Banning | Oranch LLC | | State: CA Sampling Point: VP3 |
| Investigator(s): TBrukamo | Section Section | on, Towns hip, Ran | ge: S29 Tbs RDW |
| Landform (hillslope, terrace, etc.): | Local Local | l relief (concave, co | onvex, none): Slope (%): 20 |
| Subregion (LRR): LRR-C | | | Long: W117 56 47 Datum: W65 84 |
| Soll Map Unit Name: My ford Son | ndy lorm o | -270 slop | NWI classification: NA |
| Are climatic / hydrologic conditions on the site type | olcal for this time of year? | es K No | (If no, explain in Remarks.) |
| Are Vegetation ND , Soil NO, or Hydrolog | 1.6 | | Normal Circumstances" present? Yes No |
| Are Vegetation NO, Soll No, or Hydrolog | | | eded, explain any answers in Remarks.) |
| - | | | ocations, transects, important features, etc. |
| 221 | × | | |
| | | Is the Sampled | 18 |
| Hydric Soil Present? Yes _ Wetland Hydrology Present? Yes _ | ~ | within a Wetlan | d? Yes No |
| Remarks: | | | ` |
| VEGETATION - Use scientific name | | minant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | | ecies? Status | Number of Dominant Species |
| 1 | | | That Are OBL, FACW, or FAC: (A) |
| 2 | | | Total Number of Dominant |
| 3 | | | Species Across All Strata:(B) |
| 4Sapling/Shrub Stratum (Plot size: | =T | otal Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: |
| 1. | | | Prevalence Index worksheet: |
| 2 | | | Total % Cover of Multiply by: |
| 3. | | | OBL species x 1 = |
| 4. | | | FACW species x 2 = |
| 5. | | | FAC species 30 x3= 10 |
| < p | =T | otal Cover | FACU species x 4 = x 0 |
| Herb Stratum (Plot size: 3 - 2) | . 35 | W UPL | UPL species x 5 = [1] |
| 1. Brown maniferil rel | WW7 | FAL | Column Totals: (A) 345 (B) |
| 3. Ambrosia psilostach | 16 15 | n FACU | Prevalence Index = B/A = 4.06 |
| 4 Romas Crupus | 5 | n FAC | Hydrophytic Vegetation Indicators: |
| 5 Demandra fosciou | lastra 5 | m PACU | Dominance Test is >50% |
| 6 | | | Prevalence Index Is ≤3.01 |
| 7 | | | Morphological Adaptations¹ (Provide supporting |
| 8 | | | data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) |
| | <u>82</u> = | Total Cover | Fromenanc rigarophytic vegetation (explait) |
| Woody Vine Stratum (Plot size; | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 1 | | | be present, unless disturbed or problematic. |
| 2 | - 7 | Total Cover | Hydrophytic |
| 10 | | | Vegetation |
| % Bare Ground in Herb Stratum | % Cover of Blotic Crust | t_90_ | Present? Yes No No |
| Remarks: | | | |
| Ac. | | | |
| | | | |
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Sampling Point: VP 3

| Profile Description: (Describe to | the depth need | led to document t | he indicator or c | onfi rm the abs | ence of indicator | 5.) |
|--|-------------------|-------------------------------------|---------------------|----------------------------|--|--|
| Depth Matrix | | Redox Feat | ures | | | |
| (inches) Color (moist) | % Cold | or (moist) % | Type ¹ L | oc* Textu | IFO . | Remarks |
| 0-6 21543/2 | D | ONE | NONE | | | |
| | | | | | | |
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| , | | | | | | |
| | | | | | | |
| | | | | | | |
| 1000000 | | | | | | |
| Type: C=Concentration, D=Deple | tion DM-Doduc | ad Matrix, CS=Cov | ered or Coated S | and Grains | 2l ocation: PL≂F | ore Lining, M=Matrix. |
| ydric Soil Indicators: (Applica | hie to all I RRs. | unless otherwise | noted.) | Indic | ators for Probler | natic Hydric Solls ³ : |
| | | Sandy Redox (S5 | | | cm Muck (A9) (L | |
| Histosol (A1) Histic Epipedon (A2) | | Stripped Matrix (S | , 36) | | 2 cm Muck (A10) (| |
| Black Histic (A3) | | Loamy Mucky Min | | ! | Reduced Vertic (F | 18) |
| Hydrogen Sulfide (A4) | | Loamy Gleyed M | | | Red Parent Materi | |
| Stratified Layers (A5) (LRR C |) | | | | Other (Explain in F | Remarks) |
| _ 1 cm Muck (A9) (LRR D) | | _ Redox Dark Surfa | | | | |
| Depleted Below Dark Surface | (A11) | _ Depleted Dark Su | | 31 | anlara of budeanbu | tic vegetation and |
| _ Thick Dark Surface (A12) | _ | Redox Depressio | | | cators or nydropny etland hydrology n | - |
| Sandy Mucky Mineral (S1) | | _ Vernal Pools (F9) |) | | iless disturbed or i | |
| Sandy Gleyed Matrix (S4) Lestrictive Layer (if present): | | | | | NOSO GIDLGI DOG OF | |
| NO. 1000 | | | | | | |
| Type: NoNE | | | | Hude | le Sail Present? | YesNo |
| Depth (inches): | | | | Tryun | C 3011 Teachtr | 103 |
| IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) | - | Salt Crust (B11 Biotic Crust (B1 | 2) | | Water Marks | otors (2 or more required) (B1) (Riverine) eposits (B2) (Riverine) |
| Saturation (A3) | _ | Aquatic Inverte | brates (B13) | | | s (B3) (Riverine) |
| Water Marks (B1) (Nonriver) | | Hydrogen Sulfi | | | Drainage Pa | |
| Sediment Deposits (B2) (Nor | | | spheres along Llv | ing Roots (U3) | | Water Table (C2) |
| Drift Deposits (B3) (Nonriver | rine) _ | | duced Iron (C4) | -11- (00) | Crayfish Bur | |
| Surface Soil Cracks (B6) | 2 | | duction in Tilled S | olis (Co) | | isible on Aerial Imagery (C9) |
| Inundation Visible on Aerial i | magery (B7) | Thin Muck Sur | | | Shallow Aqu | |
| Water-Stained Leaves (B9) | | Other (Explain | in Remarks) | | FAC-Neutra | 1 1001 (Da) |
| Field Observations: | V | | | 1 | | |
| | es No | |): | | | |
| | , | Depth (inches | | | | |
| | es No | Depth (inches |): | Wetland Hy | drology Present | YesNo_ |
| (includes capillary fringe) | gauge monitorir | ng well, aerial photo | os, previous inspe | ctions), if availa | able: | |
| Departhe Reported Data (etream | | . o Loner prior | , p | ,. | | |
| Describe Recorded Data (stream | Baaga, marke | | | | | |
| Describe Recorded Data (stream Remarks: + DOES Aunt | | hal Ra | | 7 14 | days | even |

| ject/Site: Newfort Bannins Rand City/County: ORA | |
|---|---|
| I Gand Ovviici i | State: Sampling Point: A |
| estigator(s): Thrukand Section, Township, Ra | nge: S29 TGS RIDW |
| ndform (hillslope, terrace, etc.): Terrace Local relief (concave, | convex, none): Concave Slope (%): < 2 |
| pregion (LRR): LRL-C Lat: N 33 8 07 | Long: W117 56 47 Datum: WGS ? |
| I Map Unit Name: My Ford Soundy lorm 0-290 56 | NWI classification: NA |
| climatic / hydrologic conditions on the site typical for this time of year? Yes No _ | (If no, explain in Remarks.) |
| Vegetation $\frac{\mu_0}{\nu}$, Soil $\frac{\mu_0}{\nu}$, or Hydrology $\frac{\mu_0}{\nu}$ significantly disturbed? | "Normal Circumstances" present? Yes No |
| e Vegetation NO Soll NO , or Hydrology NO naturally problematic? (If n | eeded, explain any answers in Remarks.) |
| JMMARY OF FINDINGS - Attach site map showing sampling point | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Is the Sample Within a Wetland Hydrology Present? Yes No Vegetation Present? | ># \ / |
| Remarks: 4 Two orutoria only - | not ACOE |
| TOTTATION II a rejectific names of plants | |
| EGETATION – Use scientific names of plants. Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) % Cover Species? Status | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 3. | Total Number of Dominant Species Across All Strata: (B) |
| f = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: |
| Sapling/Shrub Stratum (Plot size:) | |
| 1 | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| 2 | OBL species |
| 3 | FACW species 30 x2= 60 |
| 5 | FAC species 10 x3= 30 |
| c = Total Cover | FACU species 5 x4= 20 |
| Herb Stratum (Plot size:) | UPL species x5= |
| 1. Psilocarphus bravissimus 40 y 081 | Column Totals: 45 (A) (B) |
| 2 Buthamia preidental s 20 y PACE 3 Doluposom mons relición 10 m PACE | Prevalence Index = B/A = 168 |
| 3 Pour poetro CNISAUS 3 N PAR | Hydrophytic Vegetation Indicators: |
| 4. 6. 1. 1 | C Dominance Test is >50% |
| O WE THEREIN LE IS IN THE | ≅ m/ = 1 |
| 7. Eleocharis macrostack IV M OBL | Morphological Adaptations ¹ (Provide supporting |
| 8 | data in Remarks or on a separate sheet) |
| 95 = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Ptot size:) | ¹ Indicators of hydric soil and wetland hydrology must |
| 1 | be present, unless disturbed or problematic. |
| 295 = Total Cover | Hydrophytic |
| % Bare Ground In Herb Stratum % Cover of Biotic Crust | Vegetation Present? Yes No No |
| % Bare Ground in Herb Stratum % Cover of Biblic Crust | |
| Trainging. | |
| | W: |
| | |
| III | |

US Army Corps of Englneers

| enth | on: (Describe to | o the depth | needed to document the Indicator | or commit | 16 ansence | of mulcators. |
|---|---|---|--|---|--|---|
| epth | Matrix | % | Redox Features Color (moist) % Type¹ | Lpc ² | Texture _ | Remarks |
| TISHING STATE | Color (moist) | 100 | None | 1001 | | |
|)-6 | 2.5 43/2 | | 100/08 | | - Valgare | |
| | | | | | | |
| Type: C=Conce | entration, D=Depl | etion, RM=F | Reduced Matrix, CS=Covered or Coa | ted Sand Gral | | cation: PL=Pore Lining, M=Matrix. |
| ydric Soil India | cators: (Applica | able to all L | RRs, unless otherwise noted.) | | marcators | for Problematic Hydric Solis ³ : |
| Histosol (A1) | | | Sandy Redox (S5) | | | Muck (A9) (LRR C) Muck (A10) (LRR B) |
| _ Histic Epiped | | | Stripped Matrix (S6) Loamy Mucky Mineral (F1) | | _ | ced Vertic (F18) |
| Black Histic Hydrogen Si | (A3) | | Loamy Gleyed Matrix (F2) | | | Parent Material (TF2) |
| Rydrogen Stratified La | yers (A5) (LRR C | 3) | Depleted Matrix (F3) | | Other | (Explain in Remarks) |
| 1 cm Muck (| (A9) (LRR D) | | Redox Dark Surface (F6) | | | |
| Depleted Be | low Dark Surface | e (A11) | Depleted Dark Surface (F7) | | 3 _{1-diaptora} | of hydrophytic vegetation and |
| Thick Dark S | Surface (A12) | | Redox Depressions (F8) | | | hydrology must be present, |
| Sandy Muck | ky Mineral (S1) | | Vernal Pools (F9) | | | disturbed or problematic. |
| Sandy Gleye Restrictive Lay | ed Matrix (S4) | | | | | |
| | | | | | | |
| туры | · Non | 1 | | | | 1 |
| Denth (inches | 8). | | | (2) | Hydrlc Sol | I Present? Yes No |
| Depth (inches Remarks: | s): | | | | Hydrlc Sol | Il Present? Yes No |
| Depth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicato Y Surface Wa | f logy Indicators: ors (minimum of o | 200 | ; check all that apply) Salt Crust (B11) Riotic Crust (B12) | | Seco | ondary Indicators (2 or more required Water Marks (B1) (Riverine) |
| Popth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicato Surface Wa High Water | (logy Indicators: ors (minimum of o afer (A1) Table (A2) | 200 | Salt Crust (B11) Biotic Crust (B12) | | Seco | ondary Indicators (2 or more required |
| Popth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicato Surface Wa High Water Saturation | (logy Indicators: ors (minimum of o afer (A1) Table (A2) (A3) | one required | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 |) | Seco | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) |
| Popth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicato Surface Water High Water Saturation (Water Mark | (logy Indicators: ors (minimum of o afer (A1) Table (A2) | one required | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor |) ng Living Rool | Seco | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Dry-Season Water Table (C2) |
| Popth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicato Y Surface Wa High Water Saturation (Water Mark Sediment L | (Nonriver | one required rine) onriverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alo |) ng Living Rool (C4) | Sect. | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| YDROLOGY Wetland Hydro Primary Indicate High Water Saturation of Water Mark Sediment D Drift Depos Surface So | (Nonriver (B2) (Nonriver (B3) (Nonriver (B6) (B6) | one required rine) onriverine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Tr |) ng Living Rool (C4) | Security (C3) | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery |
| Primary Indicate Saturation (Water Mark Sediment D Drift Depos Surface So Inundation | (logy Indicators: ors (minimum of | one required rine) onriverine) erine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in To |) ng Living Rool (C4) illed Soils (C6) | Securion | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) |
| Pepth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicate Y Surface Wa High Water Saturation (Water Mark Sediment L Drift Depos Surface So Inundation Water-Stain | (logy Indicators: ors (minimum of oater (A1) Table (A2) (A3) (A3) (A3) (A9) (A9) (A9) (A9) (A9) (A9) (A9) (A9 | one required rine) onriverine) erine) | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alor Presence of Reduced Iron Recent Iron Reduction in Tr |) ng Living Rool (C4) illed Soils (C6) | Securion | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery |
| Pepth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicate Surface Water Saturation (Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair Field Observat | logy Indicators: ors (minimum of oater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3 | one required rine) onriverine) erine) Imagery (B7 | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alo Presence of Reduced Iron Recent Iron Reduction in To Thin Muck Surface (C7) Other (Explain in Remarks) |) ng Living Rool (C4) illed Soils (C6 | Securion | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) |
| Popth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicate Surface Water Saturation (Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair Field Observat Surface Water | logy Indicators: ors (minimum of orater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3 | nne required rine) pariverine) erine) Imagery (B7 | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxidized Rhizospheres alory Presence of Reduced Iron Recent Iron Reduction in Total Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): |) ng Living Rool (C4) illed Soils (C6) | Securion | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) |
| Pepth (inches Remarks: YDROLOGY Wetland Hydro Primary Indicate Surface Water Saturation (Water Mark Sediment D Drift Depos Surface So Inundation Water-Stair Field Observat | logy Indicators: ors (minimum of orater (A1) Table (A2) (A3) (A3) (A3) (A3) (A3) (A3) (A3) (A3 | nne required rine) priverine) rine) imagery (B7 | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1 Oxldlzed Rhizospheres alo Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Other (Explain in Remarks) No Depth (inches): |) ng Living Rool (C4) illed Soils (C6) | seconds: Sec | ondary Indicators (2 or more required Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Shallow Aquitard (D3) |

| | MGE CO. Sampling Date: 6-9-12 |
|--|---|
| cant/Owner: NewPort Banning Ranch LLC | State: CA Sampling Point: Flather |
| stlastor(s): Thom Kamo Section, Township | Range: Sag Tis ROW |
| Iform (hillslope, terrace, etc.): Terrace Local relief (conc | ve, convex, none): LONCANE Slope (%): < 2 |
| egion (LRR): LRA-C Lat: N 33 8 07 | Long: W117 56 47 Datum: WGS 8 |
| Map Unit Name: My ford Soundy lorn 0-270 s | NWI classification: NA |
| limatic / hydrologic conditions on the site typical for this time of year? Yes | lo (If no, explain in Remarks.) |
| /egetation No , Soll No , or Hydrology No significantly disturbed? | Are "Normal Circumstances" present? Yes 🐰 No |
| 3 | (If needed, explain any answers in Remarks.) |
| MMARY OF FINDINGS – Attach site map showing sampling po | nt locations transects important features etc. |
| WINDERY OF FINDINGS - Attacts site map showing sampling po | The total one, trained out, imperior to trained, the |
| drophytic Vegetation Present? Yes No Is the Sam | pled Area |
| dric Soll Present? Yes No within a W | etland? Yes No |
| stland Hydrology Present? Yes NoX | |
| marks: - | |
| | |
| | |
| GETATION – Use scientific names of plants. | |
| Absolute Dominant Indic | |
| e Stratum (Plot size:) | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| | (A) |
| | Total Number of Domlnant Species Across All Strata: (B) |
| | |
| ≃ Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| pling/Shrub Stratum (Plot size:) | |
| | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| | OBL species x1 = |
| | FACW species x2= |
| | FAC species 2 x3 = 6 |
| = Total Cover | FACU species 30 x4= 120 |
| erb Stratum (Plot size:) | UPL species 8 x 5 = 40 |
| Heliotropium Curassavicum 20 7 M | Column Totals: 40 (A) 166 (B) |
| Demandra Pasciculatum 10 4 F | Prevalence Index = B/A = 4.15 |
| - Heterothera grandifina 5 h | A-C Hydrophytic Vegetation Indicators: |
| Rumay a ispus 2 h F | Dominance Test is >50% |
| Stephanomeria Virgota 3 n U | Prevalence Index is ≤3.0¹ |
| | Morphological Adaptations ¹ (Provide supporting |
| | data in Remarks or on a separate sheet) |
| 4D = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Voody Vine Stratum (Plot size:) | (h. p. d |
| ` | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| | |
| U = Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum % Cover of Biotic Crust | Present? Yes No |
| Remarks: | |
| | |
| | |
| | |

Sampling Point: B

| epth . | Matrix | | eeded to document the | Type ¹ Loc ² | Texture | Remarks | |
|---|---|--|---|---|--|---|----------------|
| nches) | Color (moist) | | Color (molst) % | | | . 1 | |
|)-b | 2,543/2 | /06 | NONE | 7000 | Sandry | ceay room | - |
| ydric Soll II Histosol (Histos Ep Black His Hydrogel Stratified 1 cm Mu Depleted Thick Da | ndicators: (Applio (A1) ipedon (A2) | cable to all LR | duced Matrix, CS=Covere Rs, unless otherwise no Sandy Redox (S5) Stripped Matrix (S6) Loarny Mucky Miner Loarny Gleyed Matri Depleted Matrix (F3 Redox Dark Surface Depleted Dark Surface Redox Depressions Vernal Pools (F9) | ret (F1) ix (F2)) e (F6) ace (F7) | iralns. ² Locat Indicators fo 1 cm Mu 2 cm Mu Reduced Red Pare Other (E) | ion: PL=Pore Lining, M=Matrior Problematic Hydric Soils ³ : ck (A9) (LRR C) ck (A10) (LRR B) I Vertic (F18) ent Material (TF2) xplain in Remarks) I hydrophylic vegetation and ydrology must be present, | X. |
| Sandy G | leyed Matrix (S4) | | | /haile | unless dist | turbed or problematic. | |
| | ayer (if present): | | Same of Manne | | | | |
| Туре: | | | | | | | |
| Denth Bee | | | -): | 50 | Hydric Soll P | resent? Yes No | X |
| Depth (ind Remarks: | hes): | | —: — | £0 | Hydric Soli P | resent? Yes No | <u>X</u> |
| YDROLO Wetland Hyd Surface High Water M Sedimer Drift Der Surface | GY chology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive on t Deposits (B2) (N posits (B3) (Nonriv Soll Cracks (B6) on Visible on Aeria | one required; one required; on on riverine) on riverine) erine) | check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatlc Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu | ates (B13) Odor (C1) heres along Living R iced iron (C4) ction in Tilled Solls (i | SecondWaSeDriDraCra coots (C3)DrgCraSaSh | dary Indicators (2 or more requater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) dit Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) sturation Visible on Aerial Imag | e) |
| YDROLO Wetland Hyd Surface High Water M Sedimer Drift Der Surface | GY chrology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive on Deposits (B2) (Nonrive Soll Cracks (B6) on Visible on Aeria stained Leaves (B9) vations: | one required; one required; on on riverine) erine) erine) erine) I Imagery (B7) | check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatlc Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac | ates (B13) Odor (C1) heres along Living R iced iron (C4) ction in Tilled Soils (i e (C7) Remarks) | SecondWaSeDriDraCra coots (C3)DrgCraSaSh | dary Indicators (2 or more requater Marks (B1) (Riverine) diment Deposits (B2) (Riverin dif Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imag | e) |
| YDROLO Wetland Hyde Surface High Water M Sedimen Drift Den Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation F | GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive of Deposits (B2) (Nonrive of Cracks (B6) on Visible on Aeria stained Leaves (B9) vations: ter Present? resent? | one required; some re | check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatlc Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain in Depth (Inches): Depth (Inches): | ates (B13) Odor (C1) heres along Living R iced iron (C4) ction in Tilled Soils (i e (C7) Remarks) | Second Wa Se Dri Dra Oots (C3) Dra Cra C6) Sa Sh FA | dary Indicators (2 or more requater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) dit Deposits (B3) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) sturation Visible on Aerial Imag | e) gery (CS |
| YDROLO Wetland Hyde Surface High Water M Sedimen Drift Den Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation F | GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive of Deposits (B2) (Nonrive of Cracks (B6) on Visible on Aeria stained Leaves (B9) vations: ter Present? resent? | one required; some re | check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surfac Other (Explain in | ates (B13) Odor (C1) heres along Living R iced iron (C4) ction in Tilled Soils (i e (C7) Remarks) | Second Wa Se Dri Dra Oots (C3) Dra Cra C6) Sa Sh FA | dary Indicators (2 or more requater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) attration Visible on Aerial Imagnallow Aquitard (D3) | e) gery (CS |
| YDROLO Wetland Hyde Surface High Water M Sedimen Drift Den Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re | GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive of Deposits (B2) (Nonrive of Cracks (B6) on Visible on Aeria stained Leaves (B9) vations: ter Present? resent? | one required; some re | check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatlc Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain in Depth (Inches): Depth (Inches): | ates (B13) Odor (C1) heres along Living R iced iron (C4) ction in Tilled Soils (i e (C7) Remarks) | Second Wa Se Dri Dra Oots (C3) Dra Cra C6) Sa Sh FA | dary Indicators (2 or more requater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) attration Visible on Aerial Imagnallow Aquitard (D3) | e) gery (CS |
| YDROLO Wetland Hyde Surface High Water M Sedimen Drift Den Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation F | GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive of Deposits (B2) (Nonrive of Cracks (B6) on Visible on Aeria stained Leaves (B9) vations: ter Present? resent? | one required; some re | check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatlc Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain in Depth (Inches): Depth (Inches): | ates (B13) Odor (C1) heres along Living R iced iron (C4) ction in Tilled Soils (i e (C7) Remarks) | Second Wa Se Dri Dra Oots (C3) Dra Cra C6) Sa Sh FA | dary Indicators (2 or more requater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) attration Visible on Aerial Imagnallow Aquitard (D3) | e) gery (C |
| YDROLO Wetland Hyde Surface High Water M Sedimen Drift Den Surface Inundati Water-S Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re | GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) (Nonrive of Deposits (B2) (Nonrive of Cracks (B6) on Visible on Aeria stained Leaves (B9) vations: ter Present? resent? | one required; some re | check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatlc Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Thin Muck Surface Other (Explain in Depth (Inches): Depth (Inches): | ates (B13) Odor (C1) heres along Living R iced iron (C4) ction in Tilled Soils (i e (C7) Remarks) | Second Wa Se Dri Dra Oots (C3) Dra Cra C6) Sa Sh FA | dary Indicators (2 or more requater Marks (B1) (Riverine) diment Deposits (B2) (Riverine) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) attration Visible on Aerial Imagnallow Aquitard (D3) | e) gery (C |

| Project/Site: Newfort Banning Raw | wh city/County: ORa | MSC CO. Sampling Date: 6-9-12 |
|--|--|---|
| Applicant/Owner New Port Bannird, Ran | rich LLC | State: CA Sampling Point: C |
| Investigator(s): TBomkamp | Section, Township, R | |
| Landform (hillslope, terrace, etc.): Terrace | | convex, none): CONGAVE Slope (%): 4 2 V |
| Subregion (LRR): LRR - C | Lat N 33 8 07 | |
| Soil Map Unit Name: My Ford Sandy Mam | | |
| Are climatic / hydrologic conditions on the site typical for this | s time of year? Yes No | |
| Are Vegetation ND , Soil No , or Hydrology ND s | Ignificantly disturbed? Are | "Normal Circumstances" present? Yes No |
| Are Vegetation No. Soil No. or Hydrology No n | | needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map | | |
| | | |
| Hydrophytic Vegetation Present? Yes No. | Is the Sample | d Area |
| Wetland Hydrology Present? Yes N | within a Wetla | and? Yes X No |
| Remarks: | | |
| | | |
| | | |
| VECETATION Una colonida non a fallación | | |
| VEGETATION – Use scientific names of plant | | |
| Tree Stratum (Plot size:) | Absolute Dominant Indicator <u>% Cover Species? Status</u> | Dominance Test worksheet: Number of Dominant Species |
| 1. | | That Are OBL, FACW, or FAC:(A) |
| 2, | | Total Number of Dominant |
| 3 | | Species Across All Strata: (B) |
| 4 | | Percent of Dominant Species |
| Sabling/Shrub Stratum (Plot size:) | = Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1. | | Prevalence Index worksheet: |
| 2. | | Total % Cover of: Multiply by: |
| 3, | | OBL species 20 x1= 20 |
| 4. | | FACW species |
| 5 | | FAC species x 3 = |
| Herb Stratum (Plot size: 25 radius | = Total Cover | FACU species x 4 = |
| 1. Lythrum hyssopifolia | 40 Yes FACI | UPL species |
| 2 Cotula Corinopitalia | 20 you 016L | - |
| 3. | | Prevalence Index = B/A = 1.67 |
| 4 | | Hydrophytic Vegetation Indicators: |
| 5. | | Dominance Test is >50% |
| 6 | | Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting |
| 7. | | data in Remarks or on a separate sheet) |
| 8. | 60 = Total Cover | Problematic Hydrophytic Vegetation¹ (Explain) |
| Woody Vine Stratum (Plot size:) | | |
| 1 | · | ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2 | | |
| LIOT. | 60 = Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum 40 % % Cover | of Biotic Crust | Present? Yes No No |
| Remarks: | | |
| n n | | |
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| * | - | | |
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| | 1 1 | | |
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| | (3 |
|----------------|----|
| ampling Point: | |

| SOIL | Quitpling Folia. |
|--|--|
| Profile Description: (Describe to the depth needed to document th | e indicator or confirm the absence of indicators.) |
| Depth Matrix Redox Feature | |
| (inches) Color (moist) % Color (moist) % | |
| 0-6 10423/2 QO 715423/41 | DE PL LOAM Soil Hophy lanningto |
| | WI OIL MIXED IN |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Cove | red or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix. |
| hydric Soil Indicators: (Applicable to all LRRs, unless otherwise n | |
| Histosol (A1) Sandy Redox (\$5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6 | |
| Black Histic (A3) Loamy Mucky Mine | |
| Hydrogen Sulfide (A4) Loamy Gleyed Mat | |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F) | |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface Depleted Below Dark Surface (A11) Depleted Dark Surf | • • |
| | |
| Thick Dark Surface (A12) Redox Depression: Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Milera (61) Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| Restrictive Layer (if present): | |
| Туре: | |
| Depth (inches): | Hydric Soil Present? Yes No |
| Remarks: | |
| be creating occluding | In most years |
| YDROLOGY | |
| Wetland Hydrology Indicators: | |
| Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) Salt Crust (B11) | Water Marks (B1) (Riverine) |
| High Water Table (A2) Biotic Crust (B12) | the state of the s |
| Saturation (A3) Aquatic Invertebra | |
| Water Marks (B1) (Nonriverine) Hydrogen Sulfide | |
| | theres along Living Roots (C3) Dry-Season Water Table (C2) |
| Drift Deposits (B3) (Nonriverine) Presence of Redu | |
| Surface Soll Cracks (B6) Recent Iron Redu | uction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) |
| Inundation Visible on Aerial Imagery (B7) Thin Muck Surfac | |
| Water-Stained Leaves (B9) Other (Explain In | Remarks) FAC-Neutral Test (D5) |
| Field Observations: | |
| Surface Water Present? Yes X No Depth (inches):_ | |
| Water Table Present? Yes No Depth (inches): | , |
| Saturation Present? Yes No Depth (inches): | |
| Includes capillary fringe) | |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, | previous inspections), if available: |
| ¥0. □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ | |
| Remarks: | and during MOST MEAN! |
| Remarks: * Surface Populary 2 14 d Find in 2012 was 2 | San |
| fond in sois was | 7 dous |
| In all with the house | |
| | \$ |

WETLAND DETERMINATION DATA FORM - Arid West Region Kandh City/County: Orange Co. Sampling Date: 6-9-12 Project/Site: Newfort Banning Ranch LLC State: CA Sampling Point Applicant/Owner: NWPIRT Banning Section, Township, Range: 529 T65 Rhw Landform (hillslope, terrace, etc.): 700 4.44 Local relief (concave, convex, none): Concave Slope (%): 4 2 17 Lat. N 33 8 07 Long: W 11 7 5% 47 Datum: WGS 84 Subregion (LRR): LRR -L Soil Map Unit Name: My Ford Sandy from 0-270 Slopes NWI classification: NA Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No _____ (If no, explain in Remarks.) Are Vegetation No., Soll No., or Hydrology No. significantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation 100, Soil 100, or Hydrology 100 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? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size:) Prevalence Index worksheet; Total % Cover of: OBL species FACW species ___ FAC species FACU species Herb Stratum (Plot size: 55) hading = Total Cover UPL species 1. Cotula coronopitolia OBL Column Totals: __ 2. Deinandra fasciculata FACH Prevalence index = $B/A = 2 \cdot 72$ 3. Vulpia myuras 10 FACU no Hydrophytic Vegetation Indicators; 20 FACK _ Dominance Test is >50% Prevalence Index is ≤3,01 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) = Total Cover Woody Vine Stratum (Plot size: ____) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic, Hydrophytic Vegetation 10 % Cover of Blotic Crust % Bare Ground in Herb Stratum Present? lited no ponding or Saturation in so plants not graning as hydrophytes

| DIL | Sampling Point: |
|--|---|
| rofile Description: (Describe to the depth needed to document the in | |
| Depth Matrix Redox Features Inches) Color (moist) % Color (moist) % | Type Loc ² Texture Remarks |
| 2 1/11/6 | NUN 8- Clay DAM |
| 0 3 (D)F > (3 | oil matrix |
| 3-5 Disturked soil with | of I max rix |
| Rofusal at 5" | Company of the second |
| | 0.594 |
| | |
| | |
| | |
| | |
| | |
| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered | d or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. |
| lydric Soil Indicators: (Applicable to all LRRs, unless otherwise not | |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) Loamy Mucky Minera | I (F1) Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix | (F2) Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain in Remarks) |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface | |
| Depleted Below Dark Surface (A11) Depleted Dark Surface | |
| Thick Dark Surface (A12) Redox Depressions (| (F8) Sindicators of hydrophytic vegetation and wetland hydrology must be present, |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) | Ulless distributed of proportions |
| Restrictive Layer (if present): | |
| | |
| Type: | Hydric Soil Present? Yes No X |
| Type: Depth (inches): Remarks: | Hydric Soil Present? Yes No |
| Depth (inches): | Hydric Soil Present? Yes No K |
| Depth (inches): | Hydric Soil Present? Yes No K |
| Depth (inches): | |
| Depth (inches): | Secondary indicators (2 or more required) |
| Pepth (inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) |
| Permarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) Salt Crust (B11) | Secondary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| Pepth (inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) as (B13) Drift Deposits (B3) (Riverine) |
| Permarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Primary Indicators (minimum of one required: check all that apply) Salt Crust (B11) Aquatic Invertebrate Hydrogen Sulfide C | Secondary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Primary Indicators (minimum of one required: check all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Dry-Season Water Table (C2) |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduc | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Bres along Living Roots (C3) Dry-Season Water Table (C2) Ed Iron (C4) Crayfish Burrows (C8) |
| Primary Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Sediment Deposits (B3) (Nonriverine) Presence of Reductions Sediment Deposits (B3) (Nonriverine) Presence of Reductions Sediment Deposits (B3) (Nonriverine) Presence of Reductions Presence of Reductions Presence of Reductions Sediment Deposits (B3) (Nonriverine) Presence of Reductions Sediment Deposits (B3) (Nonriverine) Presence of Reductions P | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Eres along Living Roots (C3) Dry-Season Water Table (C2) Ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aertal Imagery (C |
| Presence of Reduce Popth (inches): Primary Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduce | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Brees along Living Roots (C3) Dry-Season Water Table (C2) Ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C) (C7) Shallow Aquitard (D3) |
| Portine (inches): YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundetion Visible on Aerial Imagery (B7) Presence of Reduction (B7) Thin Muck Surface | Secondary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Es (B13) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drees along Living Roots (C3) Dry-Season Water Table (C2) ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C (C7) Shallow Aquitard (D3) |
| Primary Indicators: 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 Clarks: Primary Indicators: YDROLOGY Satistate Apply Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrate Hydrogen Sulfide C Oxidized Rhizosphe Presence of Reduc Recent Iron Reduct Thin Muck Surface Water-Stained Leaves (B9) Other (Explain in Reduct) | Secondary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Es (B13) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drees along Living Roots (C3) Dry-Season Water Table (C2) ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C (C7) Shallow Aquitard (D3) |
| Primary Indicators: 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) Presence of Reduction Reduction Recent Iron Reduction Reductio | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dress along Living Roots (C3) Dry-Season Water Table (C2) ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Depth (Inches): Surface Water Present? Presence of Reduction (B7) Thin Muck Surface Other (Explain in Reductions) Depth (Inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Depth (inches): Primarks: Primarks: Primary Indicators: Primary Indicators (minimum of one required: check all that apply) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Drainage Patterns (B10) Dry-Season Water Table (C2) Ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Presence of Reduction (B4) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water Table Present? Water Table Present? Yes No Depth (Inches): Saturation Present? Yes No Depth (Inches): Depth (Inches): Depth (Inches): Depth (Inches): Depth (Inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Beres along Living Roots (C3) Dry-Season Water Table (C2) Ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C4) (C7) Shallow Aquitard (D3) Emarks) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No K |
| Depth (inches): Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (Inches): Depth (Inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Pattems (B10) Beres along Living Roots (C3) Dry-Season Water Table (C2) Ed Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C4) (C7) Shallow Aquitard (D3) Emarks) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No K |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Water Table Present? Yes No Depth (inches): Saturation Present? Yes | Secondary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dres along Living Roots (C3) Dry-Season Water Table (C2) ed Iron (C4) Crayfish Burrows (C8) Join in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Portion (inches): Itemarks: Proportion (inches): Proportion (in | Secondary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dres along Living Roots (C3) Dry-Season Water Table (C2) ed Iron (C4) Crayfish Burrows (C8) Join in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Table Present? Water Table Present Present Present Present Present Present Present Present Present Pres | Secondary indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dres along Living Roots (C3) Dry-Season Water Table (C2) ed Iron (C4) Crayfish Burrows (C8) Join in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |

WETLAND DETERMINATION DATA FORM - Arid West Region Kanch City/County: ORange CO. Applicant/Owner New PIRT Banning Investigator(s): TBomkomp Section, Township, Range: 529 T68 Rhw Landform (hillslope, terrace, etc.): That Local relief (concave, convex, none): Concave Slope (%): 4 Subregion (LRR): LRR - C Lat: N 33 8 09 Long: W 117 56 47 Datum: WGS 8 Soil Map Unit Name: My Ford Sandy Jam 0-270 Slopes NWI classification: NA Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology , significantly disturbed? Are "Normal Circumstances" present? Yes (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Venetation Present? is the Sampled Area Hydric Spil Present? within a Wetland? Wetland Hydrology Present? No Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: ____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata; Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: _____) Prevalence Index worksheet: 1. _____ Total % Cover of: OBL species FACW species FAC species FACU species = Total Cover Herb Stratum (Plot size: 57 radiys UPL species _ 1. Paccharis salicifolia Column Totals: 2. Hirschfeldia incana 3. Heliotropium cupascavicum 5 NO FACE Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.01 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation (Explain) Woody Vine Stratum (Plot size: _____) Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Hydrophytic = Total Cover Vegetation ___ % Cover of Biotic Crust ___ % Bare Ground in Herb Stratum Present? Remarks:

Ponds only in sofreme years -DID not pend or have saturated 50.15 in 2011/2012

Wetland Hydrology Present? Yes _

No M Depth (inches):

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

No Depth (inches):

Water Table Present?

Saturation Present? (includes capillary fringe)

Remarks:

| Prolect/Site: Newfort Banning K | anch o | iiv/County: PR | ange co, Sampling Date: 6-9-1 |
|--|--------------------|----------------------|---|
| Applicant/Owner: NEW PURT BANNING R | anch L | LC | State: CA Sampling Point: F |
| Investigator(s): TBomkamp 0 | | Section, Township, F | Range: 529 TGS ROW |
| Landform (hillstope, terrace, etc.); Terrace | | | e, convex, none); Concave Slope (%): < 2 |
| Subregion (LRR): LRR - C | | | Long: W 117 56 47 Datum: WGS |
| Soil Map Unit Name: My Ford Sandy May | | | |
| Are climatic / hydrologic conditions on the site typical for | | , , | |
| Are Vegetation No , Soll No , or Hydrology NO | | | e "Normal Circumstances" present? Yes No |
| Are Vegetation N., Soil No, or Hydrology No | | | needed, explain any answers in Remarks.) |
| * | | | |
| SUIVINART OF FINDINGS – Attach site ma | ap snowing : | sampling point | locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes | No V | is the Sampl | eri Area |
| Hydric Soil Present? Yes | No_M | within a Wet | \/ |
| Wetland Hydrology Present? Yes | No | | |
| Remarks: | | | |
| | | | |
| | | | |
| /EGETATION – Use scientific names of pl | ants. | | |
| To a Object on a Object of the | | Dominant Indicato | |
| Tree Stratum (Plot size:) 1 | - | Species? Status | Number of Dominant Species |
| 2, | | | That Are OBL, FACW, or FAC: (A) |
| 3 | | | Total Number of Dominant Species Across All Strate: (B) |
| 4 | | | |
| | | = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | | |
| 1 | | | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| 2 | | | |
| 4 | | | FACW species 10 x2= 20 |
| 5 | | | FAC species 25 x3= 75 |
| | | = Total Cover | FACU species 20 x4 = 80 |
| Herb Stratum (Plot size: 5 radiu) | 20 | YES FACE | UPL species 8 x5 = 40 |
| 1. Deinandra fasciculata | | | - Column lotals: 93 (A) 20 (B) |
| 2. Centaurea melitensis 3. Spergularia salina | 25 | YES PAC | - 1 2 111 |
| 4. Baccharis emeryi | | NO FACE | Hydrophytic Vegetation Indicators: |
| 5. Hirshfeldia incana | 3 | NO UPL | |
| 6. | | | Prevalence Index is ≤3.01 |
| 7. | | | Morphological Adaptations ¹ (Provide supporting |
| 8. | | | data in Remarks or on a separate sheet) |
| NAL - du Vier Directura (ID)-1 | 63 | = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | | | Indicators of hydric soil and wetland hydrology must |
| 1 | | | be present, unless disturbed or problematic. |
| <u> </u> | | = Tolal Cover | Hydrophytic |
| % Bare Ground In Herb Stratum 37 % Co | | | Vegetation |
| | over of Blotic Cri | usi | Present? Yes No |
| Remarks: | | | |
| | | | |
| | | | |
| | | | |
| | | | 20 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - |

| | | r | - |
|---------|--------|---|---|
| ampling | Point: | | |

| Profile Description: (Describe to the depth needed to document the indicator or co | minn the absence of indicators.) |
|--|--|
| (inches): Color (moist) % Color (moist) % Type Lo | c ² Texture Remarks |
| 0-6 10 YR 3/2 NONE NONE | loan |
| | |
| | (E |
| | |
| | Transition of the state of the |
| | |
| | |
| | |
| | |
| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sa | nd Grains. ² Location: PL=Pore Lining, M=Matrix. |
| lydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Solis ³ ; |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) |
| Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) | Reduced Vertic (F18) |
| Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain In Remarks) |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) | name of the Constitution o |
| Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) | |
| Thick Dark Surface (A12) Redox Depressions (F8) | 3Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| testrictive Layer (if present): | |
| Type: | . , |
| Type. | \ \/ |
| Doeth (inches): | Hydric Soit Present? Yes No No |
| Depth (inches):Remarks: | Hydric Soil Present? Yes No No |
| Remarks: | Hydric Soil Present? Yes No No |
| YDROLOGY | Hydric Soil Present? Yes No No |
| YDROLOGY Wetland Hydrology Indicators: | |
| YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) | Secondary Indicators (2 or more required) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Sait Crust (B11) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Sent Crust (B12) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Aquatic Invertebrates (B13) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Saturation (A3) Hydrogen Sulfide Odor (C1) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Pattems (B10) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Livin | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) Ropts (C3) Dry-Season Water Table (C2) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Saturation (A3) Hydrogen Sulfide Odor (C1) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Livin | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| YDROLOGY Yetland Hydrology Indicators: Primaty Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Recent Iron Reduction in Tilled Soil | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| YDROLOGY Yetland Hydrology Indicators: Primaty Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Presence of Reduced Iron (C4) Thin Muck Surface (C7) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Ropts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Veter Marks: YDROLOGY Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Water-Stained Leaves (B9) Field Observations: | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) g Ropts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sedlment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Field Observations: Surface Water Present? Yes No Depth (Inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) g Ropts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sedlment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Vater Table Present? Yes No Depth (inches): Water Table Present? Vater Table Present? Vater Table Present? Vater Table Present? Vater Table Present? Surface water Charles (A2) Satt Crust (B11) Biotic Crust (B12) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soil Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Depth (inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) g Ropts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Primarks: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Field Observations: Surface Water Present? Ves No Depth (inches): Saturation Present? Ves No Depth (inches): Saturation Present? Ves No Depth (inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Ropts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Vater Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Depth (inches): Jone Water Chack (B1) Depth (inches): Depth (inches): Depth (inches): Jone Water Chack (B1) Noter Table Present? Yes No Depth (inches): Jone Water Chack (B1) Depth (inches): Jone Water Chack (B2) Depth (inches): Jone Water Chack (B3) Depth (inches): Jone Water Chack (B4) Depth (Inches): Jone Water Chack (| Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) is (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sedlment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Field Observations: Surface Water Present? Ves No Depth (inches): Water Table Present? Ves No Depth (inches): | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) g Roots (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) is (C6) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Field Observations: Surface Water Present? Ves No Depth (Inches): Saturation Present? Yes No Depth (Inches): Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections. | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) g Ropts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Field Observations: Surface Water Present? Ves No Depth (Inches): Saturation Present? Yes No Depth (Inches): Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections. | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) g Ropts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |
| Verland Hydrology Indicators: Verland Marks (Mail (Mail) Verland Marks | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Dralnage Patterns (B10) g Ropts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No |

| ojecVsite: Newfort Bann | une Randa Citylo | COUNTY: ORMG | E CO: Samplir | g Date: 6-9-12 |
|---|--|-------------------------|--|--|
| oplicant/Owner: NewPort Bann/ | rol Ranch LLC | 2 | State: Samplir | g Point: Platvre C |
| vestigator(s): Thrukamy | Section | | 529 TES 1 | Now |
| ndform (hillslope, terrace, etc.): | \A/I Loca | I relief (concave, conv | ex, none): Concane | Slope (%): < 27 |
| bregion (LRR): LRA-C | Lat: N 23 | 807 10 | ng: W117 56 47 | Datum: WG 5 84 |
| bregion (LRR): | | | NWI classification: | |
| | | | | |
| e climatic / hydrologic conditions on the site | typical for this time of year? | esNoNor | nal Circumstances" present? | Yes X No |
| e Vegetation NO Soll NO or Hydro | logy NO significantly distur | | d, explain any answers in Re | |
| e Vegetation No., Soil No., or Hydro | | | | |
| UMMARY OF FINDINGS - Attac | n site map showing san | npling point loca | tions, transects, impo | ortant features, etc. |
| Hydrophytic Vegetation Present? Y | es No _K | is the Sampled Are | 19 | İ |
| | es No | | Yes N | . X |
| Wetland Hydrology Present? Y | es No / | Within a stollagia. | | 7 |
| Remarks: | | | | |
| EGETATION – Use scientific na | AND THE PROPERTY OF THE PROPER | win and Indicator D | ominance Test worksheet: | |
| Tree Stratum (Plot size:) | | 1 O District | umber of Dominant Species | Q |
| 1. | | T | hat Are OBL, FACW, or FAC | : (A) |
| 2. | | T | otal Number of Dominant | 2 |
| 3 | | | pecies Across All Strata: | (B) |
| 4 | | | ercent of Dominant Species | 0 |
| Color | | Total Cover | hat Are OBL, FACW, or FAC | (A/B) |
| Sapling/Shrub Stratum (Piot size:1. | | F | revalence Index workshee | : |
| 2. | | | Total % Cover of: | Multiply by: |
| 3 | | (| DBL species | |
| 4 | | | ACW species | x2 = |
| 5 | | | FAC species | x3= |
| | = | Total Cover | ACU species | ×4= 32 |
| 1. Bromys horderce | 5 | 1-60 11 | JPL species | x5= <u>\$</u> (B) |
| | Water 3 | FALU | Column Totals: | |
| 2. 1 | gata 4 | UPL | Prevalence Index = B/A | 4= <u>4,4</u> |
| | ana 5. | | Hydrophytic Vegetation Ind | |
| 5. Cotula Coronesife | 1 | OBL | Dominance Test is >50% | MANL |
| 6. Cardus pychocop | | UPL | Prevalence linex is \$5.0 | |
| 7 | | | Morphological Adaptatio data in Remarks or o | ns' (Provide supporting n a separate sheet) |
| 8 | | | Problematic Hydrophytic | • |
| | | Total Cover | ,yep-1/100 | |
| Woody Vine Stratum (Plot size: | | | Indicators of hydric soil and | wetland hydrology must |
| 1 | | | be present, unless disturbed | or problematic. |
| 2 | 20 = | Total Cover | Hydrophytic | 20 E |
| St. | % Cover of Biotic Crus | | Vegetation Present? Yes | No X |
| % Bare Ground in Herb Stratum | % Cover of Biotic Crus | st | LIABBILL 169 | |
| Remarks: | | | | |
| 1 | | | | |
| | | | | |
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US Army Corps of Engineers

Arid West -- Version 2.0

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| Profile Description: (Describe to the depth needed to document the Indicator Depth | |
|--|--|
| 0-6 2,543/2 100 NONE NO | |
| | |
| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coats | ed Sand Grains. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Solis*: |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) 2 cm Muck (A10) (LRR B) |
| Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) |
| Strattfled Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain in Remarks) |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) | |
| Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Dark Surface (F7) Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and |
| Thick Dark Surface (A12) | wetland hydrology must be present, |
| Sandy Milesky Mileski (61) Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| Restrictive Layer (If present): | |
| Type: | V |
| Type: | Hydric Soil Present? Yes No |
| YDROLOGY | |
| Wetland Hydrology Indicators: | |
| Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) Salt Crust (B11) | Water Marks (B1) (Riverine) |
| High Water Table (A2) Biotic Crust (B12) | Sediment Deposits (B2) (Riverine) |
| Saturation (A3) Aquatic Invertebrates (B13) | Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) | Living Roots (C3) Dry-Season Water Table (C2) |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Oxidized Rhizospheres along Presence of Reduced Iron (C | |
| Surface Soll Cracks (B6) Recent Iron Reduction In Till | |
| Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) | Shallow Aquitard (D3) |
| Water-Stalned Leaves (B9) Other (Explain in Remarks) | FAC-Neutral Test (D5) |
| Field Observations: | The state of the s |
| Surface Water Present? Yes No Y Depth (Inches): | _ |
| Water Table Present? Yes No Depth (inches): | — |
| Saturation Present? Yes No Depth (inches): | |
| | |
| no ponding a setwetum 1 | n 2011/2012 |
| V | |

12

| roject/site: Newfort Banning R | anch city/c | ounty: ORa | M36 CO. Sampling Date: 6/9/12 |
|---|----------------------|------------------|--|
| pplicant/Owner: NEW POST BANNING R | anch LLC | / | State: CA Sampling Point: H |
| nvestlgator(s): TBonkamp | Section | on, Township, Ra | nge: 529 T65 ROW |
| andform (hillslope, ferrace, etc.): 7-male | | | convex, none): CONCAVE Slope (%): 2 |
| subregion (LRR): LRR - C | Lat N 33 | 807 | Long: W 117 56 4-7 Datum: WGS |
| oil Map Unit Name: My Force Sandy low | | | |
| re climatic / hydrologic conditions on the site typical for | this time of year? Y | es No _ | (If no, explain In Remarks.) |
| re Vegetation No , Soil No , or Hydrology No | significantly distur | bed? Are | "Normal Circumstances" present? Yes No |
| re Vegetation | naturally problema | atic? (If ne | eeded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site ma | ap showing sam | npling point l | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes | No K | | enterte de la constitución de la |
| Hydric Soil Present? Yes | No K | Is the Sampled | 16.E |
| Wetland Hydrology Present? Yes | | within a Wetlar | ndr Yes No y |
| Remarks: | | | |
| | | | |
| | | | |
| EGETATION - Use scientific names of p | lants. | | |
| | | ninant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | % Cover Spe | cies? Status | Number of Dominant Species |
| 1 | | | That Are OBL, FACW, or FAC:(A) |
| Z, | | | Total Number of Dominant Species Across All Strata: (B) |
| | | | * |
| 1. | = To | tal Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | | |
| 1 | | | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| 2. | | | OBL species x1 = 5 |
| 4. | | | FACW species × 2 = |
| 5. | | | FAC species <u>5</u> x3 = /5 |
| | = To | otal Cover | FACU species 85 x4= 34-0 |
| Herb Stratum (Plot size: 51 radius) 1. Arinan Wa fasciculata | 40 V. | PC FACH | UPL species x5 = |
| 2. Melilotus indicus | 25 Y | es Facu | Column Totals: 95 (A) 360 (B) |
| 3. Bromus hordeacens | | 10 FACY | Prevalence Index = B/A = 3.79 |
| 4. Spergularia salina | | O OBL | Hydrophytic Vegetation Indicators: |
| 5. Ambresia psilostachya | | D FACH | Dominance Test is >50% |
| s. Phmex crispus | <u> </u> | 10 FAC | Prevalence Index Is ≤3.01 |
| 7 | | | Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Płot size:) | <u> 75</u> = To | otal Cover | |
| 1. | | | Indicators of hydric soll and wetland hydrology must |
| 2 | | | be present, unless disturbed or problematic. |
| | <u>95</u> = To | otal Cover | Hydrophytic |
| % Bare Ground in Herb Stratum \$\infty\$ % C | over of Biotic Crust | | Vegetation Present? Yes No |
| Remarks: | | | 1 |
| 8 | | | |
| | | | |
| | | | |
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| Depth | Matrix | | Redox Festu | | | | Demodre | |
|--|--|---|---|---|--|--|--|-------------|
| (Inches) | Color (moist) | | Calor (maist) % | Type' Loc2 | <u>Texture</u> | | Remarks | |
| 0-6 | 104R 3/3 | | VONE | NONE- | Loam | | | *********** |
| ydric Soll Histose Histic E Black F Hydrog Stratifie | Indicators: (Applic I (A1) pipedon (A2) listic (A3) en Sulfide (A4) ed Layers (A5) (LRR | able to all LRF | duced Matrix, CS=Cove Rs, unless otherwise n Sandy Redox (S5) Stripped Matrix (S6 Loarry Mucky Mine Loarry Gleyed Mat Depleted Matrix (F | oted.) 5) eral (F1) trix (F2) 3) | Indicate 1 cr 2 cr Rec Rec | Location: PL= ors for Probler in Muck (A9) (L in Muck (A10) (duced Vertic (F id Parent Materi er (Explain in F | (LRR B) 18) ial (TF2) | ς. |
| 1 cm M Deplete Thick D | uck (AB) (LRR D) ed Below Dark Surfac eark Surface (A12) Mucky Mineral (S1) | | Redox Dark Surfaction Depleted Dark Sur Redox Depression Vernal Pools (F9) | face (F7) | wetla | | ytic vegetation and nust be present, problematic. | |
| Restrictive | Gleyed Matrix (S4) Layer (If present): | | | | | | | |
| Restrictive | Layer (If present): | 6 | - | | Hydric S | Soll Present? | Yes No _ | K |
| Restrictive Type: Depth (ii Remarks: | Layer (If present): | | | | Hydric S | Soll Present? | Yes No _ | K |
| Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy | Layer (If present): nches): OGY vdrology indicators | | | | | Y | is the state of th | |
| Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary Ind Surface High W Saturat Water Sedima Drift De Surface Inunda | DGY vdrology Indicators icators (minimum of a Water (A1) //ater Table (A2) | one required; ci rine) onriverine) erine) | neck all that apply) Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Redi Recent Iron Redu Thin Muck Surfac | ates (B13) c Odor (C1) cheres along Living Ruced Iron (C4) uction in Tilled Soils (ce (C7) | Seconds (C3) | econdary Indice Water Marks Sediment De Drift Deposit Drainage Pa Dry-Season Crayfish Bur | etors (2 or more requi- s (B1) (Riverine) eposits (B2) (Riverine s (B3) (Riverine) ttems (B10) Water Table (C2) rrows (C8) fisible on Aerial Image | red) |
| Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary Ind Surface High W Saturat Water Sedime Drift De Surface Inunda Water- Fleld Obse Surface Water Table Saturation Saturation Stockwees Care | Layer (If present): OGY Adrology Indicators icators (minimum of Water (A1) Ater Table (A2) don (A3) Marks (B1) (Nonrive ent Deposits (B2) (No eposits (B3) (Nonrive e Soil Cracks (B6) dion Visible on Aerial Stalned Leaves (B9) Invations: Ater Present? Present? Present? | rine) prriverine) erine) Imagery (B7) Yes No. Yes No. | Salt Crust (B11) Biotic Crust (B12) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Thin Muck Surface | ates (B13) c Odor (C1) cheres along Living R uced Iron (C4) uction in Tilled Soils (ce (C7) Remarks) Wa | Coots (C3) | econdary Indice Water Marks Sediment De Drift Deposit Drainage Pa Dry-Season Crayfish Bur Saturation V Shallow Aqu FAC-Neutral | etors (2 or more requi- s (B1) (Riverine) eposits (B2) (Riverine s (B3) (Riverine) ttems (B10) Water Table (C2) rrows (C8) fisible on Aerial Image | red) |

| Project/Site: Newfort Banning Ra | lanch on | County PRAN | 136 CO. Sampling Date: 6-9-12 |
|--|--------------------|-----------------------------------|---|
| Applicant/Owner: New Port Banning R. | | L | State: CA Sampling Point: T |
| Investigator(s): TBomkamp | | tion, Township, Rar | N. N. |
| Landform (hillslope, terrace, etc.): Ternau | | cal relief (concave o | convex, none): Concave Slope (%): < 2 |
| Subregion (LRR): LRR - C | | | |
| Soil Map Unit Name: My Force Saudy I pan | | | NWI classification: NA |
| Are climatic / hydrologic conditions on the site typical for t | | , , | • |
| Are Vegetation | | | Normal Circumstances" present? Yes K |
| Are Vegetation ND, Soil ND, or Hydrology ND | | | |
| 36 | | | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site ma | p showing sa | ımpling point k | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes | No X | la Aba Camalad | |
| Hydric Soil Present? Yes | | is the Sampled within a Wetlan | \ |
| Wetland Hydrology Present? Yes | No | Within a Wettan | iur iesRo/ |
| Remarks: | | - et : | |
| | | | |
| | | | |
| VEGETATION – Use scientific names of pla | nts. | | |
| | | omlnant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | | pecies? Status | Number of Dominant Species |
| 1 | | | That Are OBL, FACW, or FAC:(A) |
| 2 | | | Total Number of Dominant |
| 3 | | | Species Across All Strata: (B) |
| -4- | | Total Cover | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size:) | | TOM OBVE | That Are OBL, FACW, or FAC: (A/B) |
| 1 | | | Prevalence Index worksheet; |
| 2 | | | Total % Cover of: Multiply by: |
| 3 | | | OBL species X1= |
| 4 | | | 1 ACVV species X Z = |
| 5 | | Tatal Causa | FAC species $3 \times 3 = 1$ FACU species $50 \times 4 = 200$ |
| Herb Stratum (Plot size: 5 radius) | 7 | Total Cover | UPL species 25 x5 = 125 |
| 1. Melilotus indicus | 20 | yes facy | Column Totals: 8 / (A) 390 (B) |
| 2. Deinandra fasciculata | | no FACU | |
| 3. Bromys horaceaceus | 15 | no FACH | Prevalence Index = B/A = 4.20 |
| 4. Centagnea melitensis | | 162 Mbr | Hydrophytic Vegetation Indicators: |
| 5. Hirschfeldia incana | | no UPL | Dominance Test is >50% |
| 6. Heliotropium curassavicum. 7. Rymex crispus | <u> </u> | NO FACU | Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting |
| 7. RUMRX CTISPUS | <u>-3</u> | NO FACE | data in Remarks or on a separate sheet) |
| 8. Polypagon monspeliensis | | Total Cover | Problematic Hydrophytic Vegetation¹ (Explain) |
| Woody Vine Stratum (Plot size:) | | TOTAL COVE | |
| 1 | | | *Indicators of hydric soil and wetland hydrology must |
| 2 | | | be present, unless disturbed or problematic. |
| | | Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum 19 % Co | ver of Blotlc Crus | t | Present? Yes No |
| Remarks: | | | J. |
| | | | |
| | | | |
| 41 | | | |
| | | | |

| Depth Inches) | Matrix Color (moist) /0 YR 3/3 | <u>%</u> | Redo: Color (moist) | x Feature | \$ | | | | |
|-----------------|-----------------------------------|---------------|--------------------------|------------|---------------------|-------------|---------------------------------------|--------------------|---------------|
| | | | Color (moiet) | - 1 | - 1 | 2 | T | Damorto | |
| 0-6 | 10 YR 3/3 | | | % | | | Texture Loam | Remarks | |
| | | | NONE | | NONE | | COUNTY | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | · · · · · · · · · · · · · · · · · · · | | |
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| | | | | | | | | | |
| | contration DeDoni | lation DM-L | Reduced Matrix, CS | =Covere | d or Coated Sar | nd Grain | s ² l ocation: P | L=Pore Lining, N | /i=Matrix. |
| ydde Soll ing | dicators: (Applica | able to all L | RRs, unless other | wise no | ted.) | OIDIN | Indicators for Prob | | |
| _ Histosol (A | | 20,0 00 01, 0 | Sandy Red | | , | | 1 cm Muck (A9) | (LRRC) | |
| Histic Epip | | | Stripped Me | | | | 2 cm Muck (A1 | | |
| Black Histi | | | Loamy Muc | | al (F1) | | Reduced Vertic | (F18) | |
| — _ Hydrogen | | | Loamy Gley | ed Matrix | × (F2) | | Red Parent Ma | | |
| | ayers (A5) (LRR C | 2) | Depleted M | | | | Other (Explain | in Remarks) | |
| 1 cm Muck | (A9) (LRR D) | | Redox Dark | | | | | | |
| | Below Dark Surface | e (A11) | Depleted Da | | | | ³ Indicators of hydro | nhytic venetation | n and |
| | Surface (A12) cky Mineral (S1) | | Redox Depi Vemal Pool | | (ГВ) | | wetland hydrolog | • | |
| | yed Matrix (S4) | | Veitiar i boi | 3 (1 2) | | | unless disturbed | | |
| | yer (if present): | | | | | | | | |
| Type: | | 15 | | | | 1 | | | |
| Depth (inch | \sim \sim \sim | O.D. | | | | 1/1 | Hydric Soil Present | ? Yes | No X |
| emarks: | | | | | | | | | |
| Ciliains, | | | | | | | | | |
| | | | | | | | | 2 | |
| | | | | | | | | | |
| /DROLOG | Y | | | | | | | | |
| | ology Indicators: | | | _ | | | | | |
| | | ne required: | check all that appl | V) | | | Secondary Inc | licators (2 or mo | re required) |
| Surface W | | ne readired, | Salt Crust | | | | | rks (B1) (Riverin | |
| High Wate | | | Blotic Crus | | | | | Deposits (B2) (F | |
| Saturation | | | Aquatic In | | es (B13) | | | sits (B3) (River | |
| | ks (B1) (Nonriveri | ine) | Hydrogen | | | | | Patterns (B10) | |
| | Deposits (B2) (Not | | | | eres along Living | g Roots | | on Water Table | (C2) |
| | sits (B3) (Nonriver | | | | ed Iron (C4) | | Crayfish E | Burrows (CB) | |
| | oil Cracks (B6) | , | | | tion in Tilled Soil | ls (C6) | | n Visible on Aeria | al Imagery (C |
| | Visible on Aerial I | magery (B7) | | | | | Shallow A | quitard (D3) | |
| | Ined Leaves (B9) | | Other (Exp | | | | FAC-Neu | tral Test (D5) | |
| jeld Observa | | | | - | | | | | |
| Surface Water | | es N | o K Depth (In | ches): | | | | | |
| Vater Table Pr | | | o X Depth (in | | | | | | 3. 4 |
| Saturation Pres | | | o Depth (in | | | Wetlani | d Hydrology Prese | nt? Yes | _ No/X |
| ncludes capill | ary fringe) | | | | | | | | |
| escribe Reco | rded Data (stream | gauge, mor | itoring well, aerial | photos, p | revious Inspecti | ions), if a | available: | | |
| Remarks: [| Doule - | andre 1 | n extrem | A. 6 - 1 - | a sout | | | | |

WETLAND DETERMINATION DATA FORM - Arid West Region Ranch City/County: Olange Co. Sampling Date: 61 Applicant/Owner: New Port Banning Ranch LLC State: CA Sampling Point: Investigator(s): TBomkamp 0 Section, Township, Range: 529 T65 Row Landform (hillslope, ferrace, etc.): 74714 Local relief (concave, convex, none): Concave Slope (%): 227 Subregion (LRR): LRR - C Lat: N33 8 07 Long: W117 56 47 Datum: WGS 84 Soil Map Unit Name: My Ford Sandy Jam 0-270 Stopes 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 SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: Tree Stratum (Plot size: _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species = Total Cover That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: _____) Prevalence Index worksheet: Total % Cover of: Multiply by: ___ x1= OBL species FAC species FACU species Herb Stratum (Plot size: 25 1 + adi No = Total Cover UPL species 1. Deinandra fascionlata J. 8. V PACH Column Totals: 55 2.15 (B) 2 Bromys hordeaceus FACY Prevalence Index = 8/A = 3.91 3. Brownis rubers UPL Hydrophytic Vegetation Indicators: 4. Melilotus indicus ηO FACH HO FACW ___ Dominance Test is >50% 5. Polypagen monspeliansis Prevalence Index is ≤3,01 ___ Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 55 = Total Cover Woody Vine Stratum (Plot size: _____) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 2. 55 = Total Cover Hydrophytic Vegetation % Cover of Biotic Crust ______ % Bare Ground in Herb Stratum ... Present? Remarks:

| - | 0 | 1 |
|---|---|-----|
| 5 | O | IL. |

| | | 0.77 | |
|----------|--------|------|--|
| | | V | |
| Sampling | Point: | | |

| Profile Description: (Describe to the dept | | | | |
|---|---|--|---|--|
| Depth Matrix (Inches) Color (moist) % | Redox Fe | % Type¹ Loc² | _Texture | Remarks |
| 0-6 10 YR 3/3 | NONE | NONE | Login | |
| 0-0 10 11 3/3 | 14014 | | | |
| | | | | |
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| | par par | | | |
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| | | .* | | 0713-1 - 7191-2001 to 1711-1711 |
| | | | | |
| | | | Pening 2 posting | : PL=Pore Lining, M=Matrix. |
| Type: C=Concentration, D=Depletion, RM= lydric Soil Indicators: (Applicable to all I | Reduced Matrix, CSEC | overed of Charen Salin d | | roblematic Hydric Solis ³ : |
| • | | | 1 cm Muck | |
| _ Histosol (A1) | Sandy Redox (| | 2 cm Muck | |
| Histic Epipedon (A2) | Stripped Matrix Loamy Mucky I | | Reduced V | |
| Black Histic (A3) | Loamy Gleyed | | | Material (TF2) |
| Hydrogen Sulfide (A4) | Depleted Matri | | | ain in Remarks) |
| Stratified Layers (A5) (LRR C) | Redox Dark St | * * | | |
| 1 cm Muck (A9) (LRR D) Depleted Below Dark Surface (A11) | Depleted Dark | | | |
| Thick Dark Surface (A12) | Redox Depress | | 3Indicators of hy | drophytic vegetation and |
| Sandy Mucky Mineral (S1) | Vernal Pools (F | | - | ology must be present, |
| Sandy Gleyed Matrix (S4) | | -, | | ped or problematic. |
| Restrictive Layer (if present): | | | | |
| | | | | 4/ |
| Type: NONE | | | T I | /X |
| | | | Hydrin Spil Pres | ent? Yes No |
| Depth (inches):Remarks: | | | Hydric Soil Pres | sent? Yes No No |
| Remarks: | | | Hydric Soil Pres | sent? Yes No |
| YDROLOGY | | | Hydric Soil Pres | sent? Yes No _/ |
| YDROLOGY Wetland Hydrology Indicators: | the peak all that apply | | | |
| Primary Indicators (minimum of one required | | 440 | Secondan | Indicators (2 or more required) |
| YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) | Salt Crust (B | | SecondanWatel | Indicators (2 or more required) Marks (B1) (Riverine) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) | Salt Crust (B: Biotic Crust (| B12) | Secondan Water Sedin | v Indicators (2 or more required) Marks (B1) (Riverine) nent Deposits (B2) (Riverine) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) | Salt Crust (B: Biotic Crust (I Aquatic Inver | B12) tebrates (B13) | Secondan Watel Sedin Drift [| VIndicators (2 or more required) Marks (B1) (Riverine) Dent Deposits (B2) (Riverine) Deposits (B3) (Riverine) |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) | Salt Crust (B Biotic Crust (I Aquatic Inver Hydrogen Su | B12) tebrates (B13) Ifide Odor (C1) | Secondan Water Sedin Drift I | v Indicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) peposits (B3) (Riverine) age Patterns (B10) |
| Primary Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) | Salt Crust (B Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhb | B12) tebrates (B13) Ifide Odor (C1) zospheres along Living Ro | Secondan Water Sedin Drift I Drain: Dots (C3) Dry-S | v Indicators (2 or more required) Marks (B1) (Riverine) pent Deposits (B2) (Riverine) peposits (B3) (Riverine) age Patterns (B10) eason Water Table (C2) |
| Primary Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) | Salt Crust (B Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhb | B12) tebrates (B13) Ifide Odor (C1) zospheres along Living Ro Reduced Iron (C4) | Secondarium Water Sedin Drift II Drain: Drain: Doots (C3) Dry-S Crayf | VIndicators (2 or more required) Marks (B1) (Riverine) Dent Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B4) (Riverine) Deposits (B4) (Riverine) Deposits (B4) (Riverine) Deposits (B |
| Primary Indicators: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) | Salt Crust (B Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhb | B12) tebrates (B13) Ifide Odor (C1) zospheres along Living Ro | Secondan Water Sedin Drift I Drain oots (C3) Dry-S Crayf Satur | v Indicators (2 or more required) Marks (B1) (Riverine) Hent Deposits (B2) (Riverine) Heposits (B3) (Riverine) Heposits (|
| Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) | Salt Crust (B Biotic Crust (I Aquatic Invert Hydrogen Su Oxidized Rhb Presence of I Recent Iron F | B12) tebrates (B13) Ifide Odor (C1) zospheres along Living Ro Reduced Iron (C4) Reduction in Tilled Soils (C | Secondan Water Sedim Drift I Drain Oots (C3) Dry-S Crayf Satur Shalld | VIndicators (2 or more required) Marks (B1) (Riverine) ment Deposits (B2) (Riverine) meposits (B3) (Riverine) mage Patterns (B10) meason Water Table (C2) meason Water Table (C8) mation Visible on Aerial Imagery (C9) mation Visible on Aerial Imagery (C9) mation Visible (C3) |
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| Primary Indicators: Primary Indicators (minimum of one required 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) Fleid Observations: Surface Water Present? Water Table Present? Yes | Salt Crust (B' Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhit Presence of I Recent Iron F Thin Muck Si Other (Explai | B12) tebrates (B13) Ifide Odor (C1) zospheres along Living Ro Reduced Iron (C4) Reduction in Tilled Soils (C urface (C7) in In Remarks) | Secondan | v Indicators (2 or more required) Marks (B1) (Riverine) Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B2) Deposits (B2) Deposits (B2) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B2) Deposits (B3) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Depo |
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| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required 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 (B) Water-Stained Leaves (B9) Fleid Observations: Surface Water Present? Water Table Present? Yes | Salt Crust (B' Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhit Presence of I Recent Iron F Thin Muck St Other (Explai | B12) tebrates (B13) Ifide Odor (C1) zospheres along Living Ro Reduced Iron (C4) Reduction in Tilled Soils (Courface (C7) in In Remarks) es): | Secondan Water Sedin Drift I Drain Oots (C3) Crayf Satur Shall FAC- | v Indicators (2 or more required) Marks (B1) (Riverine) Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B2) Depo |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Fleid Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Saturation Present? Secribe Recorded Data (stream gauge, mo | Salt Crust (B' Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhit Presence of I Recent Iron F Thin Muck Si Other (Explai | B12) tebrates (B13) lifide Odor (C1) zospheres along Living Ro Reduced Iron (C4) Reduction in Tilled Soils (Courface (C7) In In Remarks) Bas): Bas): Bas): Bas): Bas): Basy Meetions | Secondan Water Sedin Drift I Drain Oots (C3) Crayf Satur Shall FAC- | v Indicators (2 or more required) Marks (B1) (Riverine) Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B2) Deposits (B2) Deposits (B2) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B2) Deposits (B3) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Depo |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Fleid Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Saturation Present? Secribe Recorded Data (stream gauge, mo | Salt Crust (B' Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhit Presence of I Recent Iron F Thin Muck Si Other (Explai | B12) tebrates (B13) lifide Odor (C1) zospheres along Living Ro Reduced Iron (C4) Reduction in Tilled Soils (Courface (C7) In In Remarks) Bas): Bas): Bas): Bas): Bas): Basy Meetions | Secondan Water Sedin Drift I Drain Oots (C3) Crayf Satur Shall FAC- | v Indicators (2 or more required) Marks (B1) (Riverine) Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B2) Deposits (B2) Deposits (B2) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B2) Deposits (B3) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Depo |
| YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Fleid Observations: Surface Water Present? Water Table Present? Yes Water Table Present? Saturation Present? Secribe Recorded Data (stream gauge, mo | Salt Crust (B' Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhit Presence of I Recent Iron F Thin Muck Si Other (Explai | B12) tebrates (B13) lifide Odor (C1) zospheres along Living Ro Reduced Iron (C4) Reduction in Tilled Soils (Courface (C7) In In Remarks) Bas): Bas): Bas): Bas): Bas): Basy Meetions | Secondan Water Sedin Drift I Drain Oots (C3) Crayf Satur Shall FAC- | v Indicators (2 or more required) Marks (B1) (Riverine) Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B2) Deposits (B2) Deposits (B2) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B2) Deposits (B3) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Depo |
| Poppin (inches):y Proposition of the propositio | Salt Crust (B' Biotic Crust (I Aquatic Inver Hydrogen Su Oxidized Rhit Presence of I Recent Iron F Thin Muck Si Other (Explai | B12) tebrates (B13) lifide Odor (C1) zospheres along Living Ro Reduced Iron (C4) Reduction in Tilled Soils (Courface (C7) In In Remarks) Bas): Bas): Bas): Bas): Bas): Basy Meetions | Secondan Water Sedin Drift I Drain Oots (C3) Crayf Satur Shall FAC- | v Indicators (2 or more required) Marks (B1) (Riverine) Deposits (B2) (Riverine) Deposits (B3) (Riverine) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B10) Deposits (B2) Deposits (B2) Deposits (B2) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B3) Deposits (B2) Deposits (B3) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Deposits (B4) Depo |

| Project/Site: NewPort Banning | Ranch CHUCOUNTY DRA | Male CD. Sampling Date: 6-9-12 |
|--|--|---|
| Applicant/Owner: New Port Banning | Ranch LLC | State: CA Sampling Point: K |
| Investigator(s): TBomkamp | Section, Township, Ra | ange: 529 TES RAW |
| Landform (hillslope, terrace, etc.): Terrace | | |
| Subregion (LRR): LRR - C | | |
| Soll Map Unit Name: My Force Sandy In | | |
| Are climatic / hydrologic conditions on the site typical | | A A A A A A A A |
| Are Vegetation NO, Soil NO, or Hydrology | | "Normal Circumstances" present? Yes No |
| Are Vegetation No., Soil No., or Hydrology | | eeded, explain any answers in Remarks.) |
| 3. | | locations, transects, important features, etc. |
| | */ | ocations, transects, important realtires, etc. |
| Hydrophytic Vegetation Present? Yes | | d Area |
| | within a Wetla | ind? Yes No |
| Wetland Hydrology Present? Yes | NO_D | |
| Remarks. | | |
| | | |
| | | |
| VEGETATION - Use scientific names of | | Dominance Test worksheet: |
| Tree Stratum (Plot size;) | Absolute Dominant Indicator <u>% Cover Species? Status</u> | Number of Dominant Species |
| 1 | | That Are OBL, FACW, or FAC:(A) |
| 2, | | Total Number of Dominant |
| 3. | | Species Across All Strata: (B) |
| 4, | | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: | → Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| 1 | | Prevalence Index worksheet: |
| 2 | | Total % Cover of: Multiply by: |
| 3, | | OBL species x1 = |
| 4 | | FACW species x 2 = |
| 5. | | FAC species |
| Herb Stratum (Plot size: 5 radius) | = Total Cover | UPL species |
| 1. Deinande la Tasciculato | 50 YES FACH | Column Totals: 8-) (A) 358 (B) |
| 2. Melilotus indicus | 20 YES FACH | |
| 3. Hirschfeldia incana | 10 no UPL | Prevalence Index = B/A = 4.11 |
| 4. Bromus hordeaceus | 5 NO FACH | |
| 5. Heliotropium eurassavicum | 150 | Dominance Test Is >50% Prevalence Index is ≤3.0¹ |
| 6 | | Morphological Adaptations ¹ (Provide supporting |
| 8. | | data in Remarks or on a separate sheet) |
| 0 | 8 7 = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | | |
| 1 | | ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2 | 9 = Total Cover | |
| 12 | | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum 13 % | Cover of Biotic Crust | Present? Yes No X |
| Remarks: | | |
| | | |
| 1 | | |
| * | | |

| | V |
|-----------------|---|
| Sampling Point: | 1 |

| | D) 1 P C C 11 1 | ne debtu tieeden to | document the indicati | Of DI Collinia a | ne absence of Indica | 1013.) |
|--|---|--|---|--|--|--|
| Depth | Matrix | | Redox Features | 3 . 2 | | Dominariles |
| (inches) | Color (moisi) | % Color (moi | | NE- | Texture | Remarks |
| 0-6 | 104R 3/3 | NONE | | <u> </u> | | |
| | | | | _ | | |
| | | | | | | |
| | | | | | 5. | |
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| | | | | | | 7 |
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| | | | | | | |
| 1Type: C=C | oncentration, D=Depletion | on, RM=Reduced Ma | trix, CS=Covered or Co | ated Sand Gral | | =Pore Lining, M=Matrix. |
| Hydric Soil | Indicators: (Applicable | e to all LRRs, unless | s otherwise noted.) | | Indicators for Prob | lematic Hydric Solis ³ : |
| Histoso | | | y Redox (S5) | 5.81 | 1 cm Muck (A9) | (LRR C) |
| | pipedon (A2) | | oed Matrix (S6) | | 2 cm Muck (A10 | |
| | listic (A3) | Loan | ry Mucky Mineral (F1) | | Reduced Vertic | |
| Hydroge | en Sulfide (A4) | Loan | ny Gleyed Matrix (F2) | | Red Parent Mat | |
| Stratifie | d Layers (A5) (LRR C) | | eted Matrix (F3) | | Other (Explain I | n Remarks) |
| | uck (A9) (LRR D) | - | x Dark Surface (F6) | | | |
| 2-11-m | ed Below Dark Surface (A | | eted Dark Surface (F7) | | St. of the St. of the | L. 11 |
| | ark Surface (A12) | | x Depressions (F8) | | | phytic vegetation and |
| | Mucky Mineral (S1) | Vern | al Pools (F9) | | | / must be present, |
| | Gleyed Matrix (S4) | | | | unless disturbed | or problematic. |
| Restrictive | Layer (if present): | | | | | |
| Type: | SURPLY NOW | | | 1 | | ? Yes No |
| Depth (In | nches): | | | | Hydric Soil Present | ? Yes No |
| | | | | | allia XXIII a | |
| ארשטו כ |)GV | | | | | |
| | | | | | | |
| Wetland Hy | drology Indicators: | es audeo du aba ak all th | of apply) | | Secondary Ind | icators (2 or more required) |
| Wetland Hy Primary Indi | ydrology Indicators: leators (minimum of one | | | | | icators (2 or more required) |
| Wetland Hy Primary Ind | ydrology Indicators: lcators (minimum of one e Water (A1) | Sal | t Crust (B11) | | Water Mai | ks (B1) (Riverine) |
| Wetland Hy Primary Indi Surface High W | /drology Indicators: icators (minimum of one e Water (A1) /ater Table (A2) | Sal Bio | t Crust (B11) tic Crust (B12) | | Water Mai | ks (B1) (Riverine) Deposits (B2) (Riverine) |
| Wetland Hy Primary Ind Surface Hlgh W Saturat | ydrology Indicators: lcators (minimum of one water (A1) later Table (A2) cion (A3) | Sal Bio Aqu | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 | | Water Mai Sediment Drift Depo | ks (B1) (Riverine) Deposits (B2) (Riverine) slts (B3) (Riverine) |
| Wetland Hy Primary Ind Surface High W Saturat Water N | ydrology Indicators: lcators (minimum of one water (A1) later Table (A2) lion (A3) Warks (B1) (Nonriverine | Sal Bio Aqu) Hyo | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 drogen Sulfide Odor (C | 1) | Water Mai Sediment Drift Depo Drainage | ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) |
| Wetland Hy Primary Indi Surface High W Saturat Water N Sedime | ydrology Indicators: lcators (minimum of one e Water (A1) /ater Table (A2) ition (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonri | Sal Bio Aqu) Hyo verine) Oxi | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 drogen Sulfide Odor (Ci dized Rhizospheres ald | 1) ong Living Roots | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seaso | ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) |
| Wetland Hy Primary Indi Surface High W Saturat Water M Sedime Drift De | drology Indicators: leators (minimum of one vivater (A1) dater Table (A2) dion (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine | Sal Bio Aqu) Hyo verine) Oxi 2) Pre | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 drogen Sulfide Odor (Cidized Rhizospheres ald usence of Reduced Iron | 1) ong Living Roots (C4) | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seaso Crayfish E | ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) surrows (C8) |
| Wetland Hy Primary Indi Surface High W Saturat Water M Sedime Drift De Surface | ydrology Indicators: leators (minimum of one water (A1) later Table (A2) lion (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine eposits (B3) (Nonriverine e Soil Cracks (B6) | Sal Bio Aqu)Hyo verine)Oxi Pre Red | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 drogen Sulfide Odor (Cidized Rhizospheres ald usence of Reduced Iron cent Iron Reduction in 1 | 1) ong Living Roots (C4) | Water Mai Sediment Drift Depo Drainage (C3) Dry-Seaso Crayfish E Saturation | ks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) |
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| Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S | ydrology Indicators: licators (minimum of one e Water (A1) later Table (A2) lion (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine eposits (B3) (Nonriverine e Soil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) | | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 drogen Sulfide Odor (Cidized Rhizospheres ald usence of Reduced Iron cent Iron Reduction in 1 | 1) ong Living Roots (C4) Filled Soils (C6) | Water Mai Sediment Drift Depo Drainage (C3) Dry-Seaso Crayfish E Saturation | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) |
| Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Surface Inundat | ydrology Indicators: licators (minimum of one water (A1) later Table (A2) licion (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine esoil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) | Sal | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13) drogen Sulfide Odor (Cidized Rhizospheres ald usence of Reduced Iron cent Iron Reduction in 1 m Muck Surface (C7) uer (Explain in Remarks | 1) ong Living Roots (C4) Filled Soils (C6) | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seaso Crayfish E Saturation Shallow A | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) |
| Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S | /drology Indicators: icators (minimum of one e Water (A1) /ater Table (A2) don (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine e Soil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) ivations: | Sal Bio Aqu Hyo Oxi Pre Red gery (B7) | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 drogen Sulfide Odor (Cidized Rhizospheres ald esence of Reduced Iron cent Iron Reduction in Ten Muck Surface (C7) aer (Explain in Remarks epth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seaso Crayfish E Saturation Shallow A | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) |
| Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S | /drology Indicators: icators (minimum of one e Water (A1) /ater Table (A2) dion (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine e Soil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) irvations: ater Present? yes e Present? | Sal Blo Aqu Hyc | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 drogen Sulfide Odor (Cidized Rhizospheres ald usence of Reduced Iron tent Iron Reduction in Tin Muck Surface (C7) uer (Explain in Remarks upth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seasu Crayfish E Saturation Shallow A FAC-Neut | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5) |
| Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Water Table | /drology Indicators: icators (minimum of one e Water (A1) /ater Table (A2) dion (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine e Soil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) irvations: ater Present? yes e Present? | Sal Blo Aqu Hyc | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13 drogen Sulfide Odor (Cidized Rhizospheres ald usence of Reduced Iron tent Iron Reduction in Tin Muck Surface (C7) uer (Explain in Remarks upth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seasu Crayfish E Saturation Shallow A FAC-Neut | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5) |
| Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Seturation Seturation | /drology Indicators: icators (minimum of one e Water (A1) /ater Table (A2) /don (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine es Soil Cracks (B6) //don Visible on Aerial Ima Stained Leaves (B9) //ordinary //oresent? // Yes // Present? | Sal Bio Aqu Hyr Oxi Pre Ref Oth Oth No | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13) drogen Sulfide Odor (Cidized Rhizospheres alcosence of Reduced Iron cent Iron Reduction in Ton Muck Surface (C7) uer (Explain in Remarks epth (inches): epth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seaso Crayfish E Saturation Shallow A FAC-Neur | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Patterns (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) |
| Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Water Table Saturate of | ydrology Indicators: licators (minimum of one water (A1) later Table (A2) licion (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine esposits (B3) (Nonriverine esposits (B6) licion Visible on Aerial Ima Stained Leaves (B9) Invations: later Present? Yes Present? Yes Present? Yes | Sal Bio Aqu Hyr Oxi Pre Ref Oth Oth No | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13) drogen Sulfide Odor (Cidized Rhizospheres alcosence of Reduced Iron cent Iron Reduction in Ton Muck Surface (C7) uer (Explain in Remarks epth (inches): epth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seaso Crayfish E Saturation Shallow A FAC-Neur | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5) |
| Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Water Table Saturate of | /drology Indicators: icators (minimum of one e Water (A1) /ater Table (A2) /don (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine es Soil Cracks (B6) //don Visible on Aerial Ima Stained Leaves (B9) //ordinary //oresent? // Yes // Present? | Sal Bio Aqu Hyr Oxi Pre Ref Oth Oth No | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13) drogen Sulfide Odor (Cidized Rhizospheres alcosence of Reduced Iron cent Iron Reduction in Ton Muck Surface (C7) uer (Explain in Remarks epth (inches): epth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seaso Crayfish E Saturation Shallow A FAC-Neur | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5) |
| Primary Ind Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Water Table Saturation F | ydrology Indicators: licators (minimum of one e Water (A1) later Table (A2) don (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine e Soil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) revations: later Present? Yes e Present? Yes apillary fringe) ecorded Data (stream ga | Sal Bio Aqu Prerine) Oxi Pre Rec Gery (B7) No No De No De Loge, monitoring well, | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13) drogen Sulfide Odor (Cidized Rhizospheres ald esence of Reduced Iron cent Iron Reduction in 1 m Muck Surface (C7) ter (Explain in Remarks epth (inches): epth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) s) Wetlat | Water Mai Sediment Drift Depo Drainage Crayfish E Saturation Shallow A FAC-Neut | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5) |
| Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca Describe Ro | ydrology Indicators: licators (minimum of one e Water (A1) later Table (A2) don (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine e Soil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) revations: later Present? Yes e Present? Yes apillary fringe) ecorded Data (stream ga | Sal Bio Aqu Prerine) Oxi Pre Rec Gery (B7) No No De No De Loge, monitoring well, | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13) drogen Sulfide Odor (Cidized Rhizospheres ald esence of Reduced Iron cent Iron Reduction in 1 m Muck Surface (C7) ter (Explain in Remarks epth (inches): epth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) s) Wetlat | Water Mai Sediment Drift Depo Drainage S (C3) Dry-Seaso Crayfish E Saturation Shallow A FAC-Neur | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5) |
| Wetland Hy Primary Indi Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca Describe Ro | ydrology Indicators: licators (minimum of one e Water (A1) later Table (A2) don (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine e Soil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) revations: later Present? Yes e Present? Yes apillary fringe) ecorded Data (stream ga | Sal Bio Aqu Prerine) Oxi Pre Rec Gery (B7) No No De No De Loge, monitoring well, | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13) drogen Sulfide Odor (Cidized Rhizospheres ald esence of Reduced Iron cent Iron Reduction in 1 m Muck Surface (C7) ter (Explain in Remarks epth (inches): epth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) s) Wetlat | Water Mai Sediment Drift Depo Drainage Crayfish E Saturation Shallow A FAC-Neut | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5) |
| Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Surface Inundat Water-S Field Obse Surface Wa Water Table Saturation F (includes ca Describe Ro | ydrology Indicators: licators (minimum of one e Water (A1) later Table (A2) don (A3) Marks (B1) (Nonriverine ent Deposits (B2) (Nonriverine e Soil Cracks (B6) tion Visible on Aerial Ima Stained Leaves (B9) revations: later Present? Yes e Present? Yes apillary fringe) ecorded Data (stream ga | Sal Bio Aqu Prerine) Oxi Pre Rec Gery (B7) No No De No De Loge, monitoring well, | t Crust (B11) tic Crust (B12) uatic Invertebrates (B13) drogen Sulfide Odor (Cidized Rhizospheres alcosence of Reduced Iron cent Iron Reduction in Ton Muck Surface (C7) uer (Explain in Remarks epth (inches): epth (inches): | 1) ong Living Roots (C4) Filled Soils (C6) s) Wetlat | Water Mai Sediment Drift Depo Drainage Crayfish E Saturation Shallow A FAC-Neut | rks (B1) (Riverine) Deposits (B2) (Riverine) sits (B3) (Riverine) Pattems (B10) on Water Table (C2) surrows (C8) Visible on Aerial Imagery (C9) quitard (D3) ral Test (D5) |

1.

| Project/Site: NewPort Banning Ro | unch ! | City/County | . DRa | Mal CO. Sampling Date: 6/9/12 |
|--|---------------------|--|--------------|--|
| Applicant/Owner New Port Banning R. | ench d | LL | | State: CA Sampling Point: L |
| Investigator(s): TBomkamp | | | wnship, Ra | ange: 529 TGS ROW |
| andform (hillslope, terrace, etc.): Ternace | | | | convex, none): Conawc Slope (%): 4 3 |
| | | | | Long: W 11 7 5% 47 Datum: WGS |
| Soil Map Unit Name: My Ford Saudy Inn | | A STATE OF THE STA | | |
| | | | | |
| we climatic / hydrologic conditions on the site typical for the same of the sa | | | | |
| | | | | "Normal Circumstances" present? Yes No No |
| re Vegetation No., Soil No., or Hydrology No. | _ naturally pro | blematic? | (If ne | needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site ma | p showing | samplin | g point l | locations, transects, important features, etc |
| Hydrophytic Vegetation Present? Yes | No K | | | |
| Hydric Soil Present? Yes | | | ne Sampled | |
| Wetland Hydrology Present? Yes | | With | nin a Wetlar | and? YesNoX |
| Remarks: | | | | THE STATE OF |
| | | | | |
| | | | | |
| | | | | |
| EGETATION - Use scientific names of pla | | | | |
| Tree Stratum (Plot size:) | Absolute % Cover | | Indicator | Domlnance Test worksheet: |
| 1 | | | | Number of Dominant Species That Are OBL, FACW, or FAC:O (A) |
| 2 | | | | |
| 3 | | | | Total Number of Dominant Species Across All Strata: (B) |
| 4 | | | | Openes Across Air Olidia. |
| | | = Total Co | over | Percent of Dominant Species That Are OBL, FACW, or FAC: 0 / (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | | | That Are OBL, FACW, or FAC: (A/B) |
| 1 | | | | Prevalence Index worksheet: |
| 2, | | | | Total % Cover of: Multiply by: |
| 3 | | | | OBL species x1= |
| 4 | | | , marine | FACW species x2= |
| 5 | | | | FAC species x3= |
| Herb Stratum (Plot size: 5 radius) | | = Total Co | over | FACU species 4.5 x4= 180 |
| 1. Melilotus indicus | 20 | yes | FACH | |
| 2 beinandra fasciculata | 15 | 48S | FACU | Column Fotals; St (A) 2.05 (B) |
| 3. Heliotropium curassavicum | 10 | 425 | FACH | Prevalence Index = B/A = 4.10 |
| 4. centaurea meliterisis | 5 | no | UPL | Hydrophytic Vegetation Indicators: |
| 5 | | | | Dominance Test Is >50% |
| 5. | | | | Prevalence Index is ≤3.01 |
| T | | | | Morphological Adaptations (Provide supporting |
| в | | | | data in Remarks or on a separate sheet) |
| | 50 | = Total Co | уег | Problematic Hydrophytic Vegetation¹ (Explain) |
| Woody Vine Stratum (Plot size:) | | | | 1 |
| 1. | | | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2, | | | | |
| r 0 | 50 | = Total Co | over | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum 5 0 % Cov | er of Biotic Cr | ust | | Present? Yes No |
| Remarks: | | | | |
| | | | | |
| | | | | |
| | | | | |

| | cription: (Describe to the dept | | | firm the absence of I | ndicators.) |
|------------------------|--|----------------------------|---------------------------|-------------------------------|---|
| Depth inches) | Matrix Color (moist) % | Color (moist) | | | Remarks |
| 0-6 | 10 YR 3/3 | NONE | NONE | Loam | |
| | | | | | |
| | | | | | |
| | | | | | |
| ype: C=C | oncentration, D=Depletion, RM= | Reduced Matrix, CS= | Covered or Coated Sant | d Grains. ² Locati | on: PL=Pore Lining, M=Matrix. Problematic Hydric Soils ³ : |
| - | Indicators: (Applicable to all | | | | k (A9) (LRR C) |
| _ Histoso | l (A1) pipedon (A2) | Sandy Redox Stripped Matri | | | k (A10) (LRR B) |
| | listic (A3) | Loamy Mucky | | | Vertic (F18) |
| | en Sulfide (A4) | Loamy Gleyer | | Red Pare | nt Material (TF2) |
| | d Layers (A5) (LRR C) | Depleted Mati | ix (F3) | Other (Ex | plain In Remarks) |
| _ 1 cm M | uck (A9) (LRR D) | Redox Dark S | | | |
| | ed Below Dark Surface (A11) | Depleted Dari | | 3Indinators of | hydrophytic vegetation and |
| | eark Surface (A12) | Redox Depres Vernal Pools | | | irology must be present, |
| | Mucky Mineral (S1) Gleyed Matrix (S4) | Verilar Foois | ,1 9) | | irbed or problematic. |
| | Layer (if present): | | | | |
| Type: | nches): North | | | Hydric Soli Pr | esent? YesNo |
| temarks: | | 2000000 | | J | |
| it. | | | | | 8 |
| YDROLO | DGY | miximal | | | |
| | /drology Indicators: | | | | |
| | icators (minimum of one required | d: check all that apply) | | Seconda | ry Indicators (2 or more required) |
| | Water (A1) | Salt Crust (E | 311) | VVat | er Marks (B1) (Riverine) |
| | later Table (A2) | Biotic Crust | | Sed | lment Deposits (B2) (Riverine) |
| | lon (A3) | Aquatic Inve | rtebrates (B13) | | Deposits (B3) (Riverine) |
| | Marks (B1) (Nonriverine) | | ulfide Odor (C1) | | nage Patterns (B10) |
| _ Sedime | ent Deposits (B2) (Nonriverine) | Oxidized Rh | izospheres along Living | | Season Water Table (C2) |
| _ Drift De | eposits (B3) (Nonriverine) | | Reduced Iron (C4) | | yfish Burrows (C8) |
| | e Soil Cracks (B6) | | Reduction in Tilled Soils | 1 | uration Visible on Aerial Imagery (C |
| | tion Visible on Aerial Imagery (B | | | | Now Aquitard (D3) |
| | Stained Leaves (B9) | Other (Expla | aln In Remarks) | FAC | -Neutral Test (D5) |
| | | 2 | 2 | | |
| leid Obse | iter Present? Yes | / · | (asi | | |
| leid Obse urface Wa | Present? Yes | No _ Depth (inch | nes): | Made and Hudealagu | Present? Yes No \ |
| leid Obse | | No Depth (inch | nes): | Metiatin uami olotia i | 10001111 100 |

WETLAND DETERMINATION DATA FORM - Arid West Region Kanch City/County: Orange Co. Sampling Date: Applicant/Owner: New Port Banning Ranch CA Sampling Point State: Investigator(s): TBomkamp Section, Township, Range: 529 T65 RMW Landform (hillstope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Stope (%): 427 Subregion (LRR): LRR - C Lat: N 33 8 07 Long: W 117 56 47 Datum: WGS 84 Soll Map Unit Name: My Force Sandy Jam 0-270 Stopes NW classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes ______ No _____ (If no, explain in Remarks.) Are Vegetation NO. Soil 19 or Hydrology 10 slgrifficantly disturbed? Are "Normal Circumstances" present? Yes Are Vegetation No., Soil W.O., or Hydrology No naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area Hydric Soil Present? within a Wetland? Wetland Hydrology Present? Remarks: VEGETATION - Use scientific names of plants. Absolute Dominant Indicator Dominance Test worksheet: <u>Tree Stratum</u> (Plot size: _____) % Cover Species? Status Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Sapling/Shrub Stratum (Plot size: ____) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species FACW species _ x 2 = __ FAC species x4= 160 FACU species _ Herb Stratum (Plot size: 5 } + a diys = Total Cover UPL species 1 Pulicaria paludosa FAC Column Totals: 2. Deinandra fasciculata FACU 3. Contaderia selloana PACH Prevalence Index = B/A = ___ Hydrophytic Vegetation indicators: 4. Baccharis Salicitalia FAC 5. Bromus hordeacens Dominance Test is >50% 425 FACU PACIN Prevalence Index is ≤3.01 6. Polypodor monspeliensis Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation (Explain) 93 = Total Cover Woody Vine Stratum (Plot size: _____) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 93 = Total Cover Hydrophytic Vegetation % Cover of Biotic Crust _____ % Bare Ground in Herb Stratum_ Present? Remarks:

| Depth Matrix (inches) Color (moist) | % Cc | olor (moist) | x Features % | Type' Loc2 | Textur | e Remarks |
|--|---|--|--|--|----------------|---|
| 0-6 104R 3/3 | | VONE | | NONE | Loa | hr. |
| | | | | | | |
| | | · · · · · · · · · · · · · · · · · · · | | | _ | |
| | | | | | | |
| | | | | | | |
| ype; C=Concentration, D=D | epletion, RM=RedL | iced Matrix, CS | S=Covered | or Coated Sand | Grains. | ² Location: PL=Pore Lining, M=Matrix. tors for Problematic Hydric Soils ⁵ : |
| ydric Soll Indicators: (Appl | icable to all LRRs | | | α.) | | cm Muck (A9) (LRR C) |
| Histosol (A1) Histic Epipedon (A2) | - | Sandy RedStripped Ma | | | | cm Muck (A10) (LRR B) |
| Black Histic (A3) | - | Loamy Muc | | (F1) | | educed Vertic (F18) |
| _ Hydrogen Sulfide (A4) | _ | Loamy Gley | | | R | ed Parent Material (TF2) |
| Stratified Layers (A5) (LRF | | Depleted M | | | 0 | ther (Explain in Remarks) |
| _ 1 cm Muck (A9) (LRR D) | | _ Redox Dan | | | | |
| _ Depleted Below Dark Surfa | | _ Depleted D | | | Sladine | ators of hydrophytic vegetation and |
| _ Thick Dark Surface (A12) | | Redox Dep | | в) | | land hydrology must be present, |
| Sandy Mucky Mineral (S1) | 144 | _ Vemal Poo | is (ra) | | | ess disturbed or problematic. |
| Sandy Gleyed Matrix (S4) | | | | | | |
| APPRICATION DOUGH ALL DIRECTION | | | | | | |
| | | | | | 1 | |
| Type: | | | | | Hydric | Soil Present? Yes No K |
| Restrictive Layer (if present): Type: Depth (inches): Remarks: | | | | | Hydric | Soil Present? Yes No K |
| Type: Depth (inches): Remarks: | | | | | Hydric | Spil Present? Yes No K |
| Type: | <u>√</u> | | | | Hydric | Spil Present? Yes No K |
| Type: | s: | ork all that ann | (v) | | | |
| Type: | s: | | | | | Secondary indicators (2 or more required) |
| Type: | s: | Salt Crust | (B11) | | | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) |
| Type: | s: | Salt Crust Blotic Cru | (B11) st (B12) | s (B13) | <u>S</u> | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| Type: | s: one regulred; che | Salt Crust Blotic Cru Aquatic In | (B11) st (B12) vertebrates | | | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Driil Deposits (B3) (Riverine) |
| Type: | s: fone required; che | Salt Crust Blotic Cru Aquatic in Hydrogen | (B11) st (B12) vertebrates Sulfide Od | от (С1) | <u> </u> | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Driit Deposits (B3) (Riverine) Drainage Pattems (B10) |
| Type: | s: fone regulred; che erine) | Salt Crust Blotic Cru Aquatic In Hydrogen Oxidized | (B11) st (B12) wertebrates Sulfide Od Rhizospher | от (С1) es along Living | | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Driil Deposits (B3) (Riverine) Drainage Pattems (B10) Dry-Season Water Table (C2) |
| Type: | s: fone regulred; che erine) | Salt Crust Blotic Cru Aquatic in Hydrogen Oxidized in | (B11) st (B12) wertebrates Sulfide Od Rhizospher of Reduce | or (C1) es along Living d Iron (C4) | Roots (C3) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Driit Deposits (B3) (Riverine) Drainage Pattems (B10) |
| Type: | s: fone required; che erine) lonriverine) verine) | Salt Crust Blotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ird | (B11) st (B12) wertebrates Sulfide Od Rhizospher of Reduces on Reduction | or (C1) es along Living d Iron (C4) on in Tilled Soils | Roots (C3) | Secondary Indicators (2 or more required) Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Driit Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
| Type: | s: fone required; che erine) lonriverine) verine) | Selt Crust Blotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ind Thin Mucl | (B11) st (B12) avertebrates Sulfide Od Rhizospher of Reducei on Reduction & Surface (6) | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) | Roots (C3) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Driit Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C |
| Type: | s: fone required; che erine) lonriverine) verine) | Selt Crust Blotic Cru Aquatic In Hydrogen Oxidized I Presence Recent Ind Thin Mucl | (B11) st (B12) wertebrates Sulfide Od Rhizospher of Reduces on Reduction | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) | Roots (C3) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) Sedlment Deposits (B2) (Riverine) Driit Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C |
| Type: | s: fone required; che erine) lonriverine) verine) | Selt Crust Blotic Cru Aquatic In Hydrogen Oxidized It Presence Recent Irc Thin Mucl Other (Ex | (B11) st (B12) svertebrates Sulfide Od Rhizospher of Reducei on Reductio < Surface (C plain in Re | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) marks) | Roots (C3) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) Sedlment Deposits (B2) (Riverine) Driit Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C |
| Type: Depth (inches): Permarks: YDROLOGY Wetland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (Nonrive Sediment Deposits (B3) (Nonrive Surface Soil Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? | s: Fone regulred; che erine) Ionriverine) verine) Il Imagery (B7)) | Selt Crust Blotic Cru Aquatic In Hydrogen Oxidized It Presence Recent Irc Thin Mucl Other (Ex | (B11) st (B12) svertebrates Sulfide Od Rhizospher of Reducei on Reduction Surface ((plain in Rei aches): | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) marks) | Roots (C3) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) Sedlment Deposits (B2) (Riverine) Driit Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C |
| Type: Depth (inches): Permarks: YDROLOGY Wetland Hydrology Indicator Primary Indicators (minimum of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonrive Sediment Deposits (B2) (Nonrive Sediment Deposits (B3) (Nonrive Surface Soil Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? Water Table Present? | s: fone required; che erine) fonriverine) verine) Yes No Yes No | Salt Crust Blotic Cru Aquatic in Hydrogen Oxidized in Presence Recent Ind Thin Mucl Other (Ex | (B11) st (B12) svertebrates Sulfide Od Rhizospher of Reducei on Reductio s Surface ((plain in Rei aches): | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) marks) | Roots (C3) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Cand Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Type: Depth (inches): Permarks: YDROLOGY Vetland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriv Sediment Deposits (B2) (Nonriv Sediment Deposits (B3) (Nonriv Surface Soil Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? Vater Table Present? Saturation Present? | s: fone required; che erine) fonriverine) verine) Il imagery (B7) Yes No Yes No Yes No | Selt Crust Blotic Cru Aquatic In Hydrogen Oxidized It Presence Recent In Thin Mucl Other (Ex Depth (ir Depth (ir | (B11) st (B12) vertebrates Sulfide Od Rhizospher of Reducei on Reductio x Surface ((plain in Rei aches); | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) marks) | Roots (C3)(C6) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Cand Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Type: | s: fone required; che erine) fonriverine) verine) Il imagery (B7) Yes No Yes No Yes No | Selt Crust Blotic Cru Aquatic In Hydrogen Oxidized It Presence Recent In Thin Mucl Other (Ex Depth (ir Depth (ir | (B11) st (B12) vertebrates Sulfide Od Rhizospher of Reducei on Reductio x Surface ((plain in Rei aches); | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) marks) | Roots (C3)(C6) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Cand Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Type: Depth (inches): Permarks: YDROLOGY Wetland Hydrology Indicator Primary Indicators (minimum o Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) (Nonriv Sediment Deposits (B2) (Nonriv Surface Soil Cracks (B6) Inundation Visible on Aeria Water-Stained Leaves (B9) Field Observations: Surface Water Present? Nater Table Present? Saturation Present? Includes capillary fringe) Describe Recorded Data (stress | s: fone required; che erine) lonriverine) verine) Yes No Yes No Yes No The gauge, monitorial | Salt Crust Blotic Cru Aquatic in Hydrogen Oxidized I Presence Recent In Thin Mucl Other (Ex Depth (in Depth (in | (B11) st (B12) wertebrates Sulfide Od Rhizospher of Reducei on Reductio s Surface ((plain in Rei nches); | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) marks) we write the second of the second | Roots (C3) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Cand Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Type: Depth (inches): Depth (i | s: fone required; che erine) fonriverine) verine) Il imagery (B7) Yes No Yes No Yes No | Salt Crust Blotic Cru Aquatic in Hydrogen Oxidized I Presence Recent In Thin Mucl Other (Ex Depth (in Depth (in | (B11) st (B12) wertebrates Sulfide Od Rhizospher of Reducei on Reductio s Surface ((plain in Rei nches); | or (C1) es along Living d Iron (C4) on in Tilled Soils C7) marks) we write the second of the second | Roots (C3) | Secondary Indicators (2 or more regulred) Water Marks (B1) (Riverine) SedIment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (Cand Shallow Aquitard (D3) FAC-Neutral Test (D5) |

| Project/Site: Newfort Banning R | anch o | ity/County: DRa | M36 CO. Sampling Date: 6/9/12 |
|--|--------------------|---------------------------------------|--|
| Applicant/Owner: New Port Banning R | | LC | State: CA Sampling Point: N |
| Investigator(s): TBomkamp | s | ection, Township, Rai | nge: 529 T65 RAW |
| Landform (hillslope, terrace, etc.): Terrace | | | convex, none): Conswe Slope (%): 2 2 V |
| Subregion (LRR): LRR - L | Lat: N | 33 8 07 | |
| Soil Map Unit Name: My Ford Sandy IRAN | | | |
| Are climatic / hydrologic conditions on the site typical for | this time of year | 7 Yes K No | (If no, explain in Remarks.) |
| Are Vegetation No, Soil No, or Hydrology NO | | | 'Normal Circumstances' present? Yes No No |
| Are Vegetation No. Soil NO, or Hydrology NO | | | eded, explain any answers in Remarks.) |
| * | | | ocations, transects, important features, etc. |
| | ~ | | boations, transcess, important features, etc. |
| Hydrophytic Vegetation Present? Yes | | Is the Sampled | |
| Hydric Soil Present? Yes | | within a Wetlar | nd? Yes No X |
| Wetland Hydrology Present? Yes | 140 <u>V</u> | | |
| Normana. | | | |
| | | | |
| | | | |
| VEGETATION – Use scientific names of pla | ants. | | |
| Tree Stratum (Plot size:) | | Dominant Indicator Species? Status | Dominance Test worksheet: |
| 1 | | | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2. | | | |
| 3 | | | Total Number of Dominant Species Across All Strata: (B) |
| 4 | | · · · · · · · · · · · · · · · · · · · | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size: = 5 radius) | = | = Total Cover | That Are OBL, FACW, or FAC: 50./* (A/B) |
| 1. Baccharis Salicifolia | 25 | Ves FAC | Prevalence Index worksheet: |
| 2. | | | Total % Cover of; Multiply by: |
| 3 | | | OBL species x1= O |
| 4, | | | FACW species |
| 5 | | | FAC species |
| Herb Stratum (Plot size: 5) radius | 25 = | = Total Cover | FACU species 35 x4= 140 |
| 1. Deinandra fascioniata | 30 | YES FACY | UPL species |
| 2. Enthaccia occidentalis | -5 | NO FACW | Column Totals: <u>49</u> (A) <u>/89</u> (B) |
| 3. Heliotropium curass avicum | | NO FACH | Prevalence Index = B/A = 3 .86 |
| 4. Heterothera grandflora | 3 | NO UPL | Hydrophytic Vegetation Indicators: |
| 5. Hirschfeldia incana | 2 | NO UPL | Dominance Test is >50% |
| 6. Lythruh hyssopitalia | | NO PACH | Prevalence Index is ≤3.01 |
| 7. Stephanomeria virgata | 2. | NO UPL | Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 | | | Problematic Hydrophytic Vegetation (Explain) |
| Woody Vine Stratum (Plot size:) | | ≠ Total Cover | |
| 1 | | | ¹Indicators of hydric soil and wetland hydrology must |
| 2. | | | be present, unless disturbed or problematic. |
| | 74: | = Total Cover | Hydrophytic |
| % Bare Ground in Herb Stratum 2.6 % Co | over of Biotic Cru | ist 6 | Vegetation Present? Yes No |
| | | | |
| Remarks: (Veg. for extill for | eature. | / pw | King wea |
| · | | • | |

| \sim | _ |
|--------|---|

| Depth Dept | Profile Description: (Describe to the depth needed to document the indicator or confirm | the absence of indicators.) |
|--|--|--|
| Continue | Depth Matrix Redox Features | |
| Type: ("Concentration, DeDepletion, RM-Reduced Metrix, CS-Covered or Coated Sand Grains. *Location: PL-Pore Lining, M=Matrix. Indicators (Applicable to all LRRs, unless otherwise noted.) Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histoso (A1) Histoso (A1) Histoso (A1) Histoso (A2) Sirripadi Matrix (S5) Sirripadi Matrix (S5) Sirripadi Matrix (S5) Sirripadi Matrix (S5) Histosomo (A2) Histosomo (A3) Histosomo | (IIIICICS) COTO (11700C) | l exture Kemarks |
| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. **Locetion: PL=Pore Lining, M=Matrix. Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Histosol (A2) Histosol (A3) Histosol | 0-4 10 YR 3/3 NONE NOVE | |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Black Histo (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F2) Histosol (A1) Hydrogen Sulfide (A9) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Hydrology Mineral (S1) Sandy Gleyed Matrix (S4) Hydrology Mineral (S1) Soandy Gleyed Matrix (S4) Hydric Soil Present) Hydric Soil Present? Hydric H | 4 (refysal) | (A) |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Black Histo (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F2) Histosol (A1) Hydrogen Sulfide (A9) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Hydrology Mineral (S1) Sandy Gleyed Matrix (S4) Hydrology Mineral (S1) Soandy Gleyed Matrix (S4) Hydric Soil Present) Hydric Soil Present? Hydric H | | |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Black Histo (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A2) Loamy Gleyed Metrix (F2) Histosol (F18) Hydrogen Sulfide (A4) Loamy Gleyed Metrix (F3) Head Prant Haterial (F72) Histosol (F18) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrology Indicators: Hydrology Mineral (S1) Sandy Gleyed Metrix (S4) Restrictive Layer (If present): Type: Depth (Inches): Hydric Soil Present? Yes No Hydrology Indicators: Hy | And the second s | |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Black Histo (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F2) Histosol (A1) Hydrogen Sulfide (A9) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Hydrology Mineral (S1) Sandy Gleyed Matrix (S4) Hydrology Mineral (S1) Soandy Gleyed Matrix (S4) Hydric Soil Present) Hydric Soil Present? Hydric H | beautiful to the second | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Black Histo (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F3) Hydrogen Sulfide (A9) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S6) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (If present): Type: Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (If present): Type: Depth (Inches): Wettand Hydrology Indicators: Primark Indicators (Iminimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Salt Clust (B11) Hydrology Mineral (B2) Secondary Indicators (B2) (Riverine) Hydrology Festive (B2) (Nonriverine) Hydrology Mineral (B3) Surface Water (A1) High Water Table (A2) Seturation (A3) Aquatic Invertebrates (B13) Hydrology Indicators: Drift Deposits (B3) (Nonriverine) Hydrology Mineral (B1) Sediment Deposits (B2) (Nonriverine) Hydrology Surface (B3) (Nonriverine) Hydrology Indicators: Drift Deposits (B3) (Nonriverine) Hydrology Indicators: Frimark Marks (B1) (Nonriverine) Hydrology Indicators: Frimarks: Hydrology Indicators: Primary Indicators (Iminimum of one required; check all that apply) Secondary Indicators (2 or more required) Hydrology Indicators: Hydrology Indicators: Primary Indicators (Minimum of one required) Hydrology Indicators: Primary Indicators (Iminimum of one required; check all that apply) Hydrology Indicators: Primary Indicators (Iminimum of one required; check all that apply) Secondary Indicators (B2) (Riverine) Hydrology Indicators: Primary Indicators (Iminimum of one required; check all that apply) Secondary Indicators (B2) (Riverine) Hydrology Indicators: Drift Deposits (B3) (Nonriverine) Hydrology Indicators: Primary Indicators (Iminimum of one required; check all that apply) Secondary Indic | | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Black Histo (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F2) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F3) Hydrogen Sulfide Layers (A5) (LRR C) Depleted Below Dark Surface (A12) Popleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (If present): Type: Depth (Inches): Hydric Soil Present? Yes No Lidzed Rhizospheres along Living Roots (C3) Sartation (A3) Hydrology indicators: Primark indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Black Matrix (B1) (Nonriverine) Hydrology indicators: Primark indicators (B2) (Nonriverine) Hydrology indicators: Primark indicators (B2) (Nonriverine) Hydrology indicators: Primark indicators (Minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Bloic Crust (B12) Sediment Deposits (B2) (Riverine) Hydrology indicators: Primark indicators (B2) (Nonriverine) Hydrology indicators: Primark indicators (Minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Bloic Crust (B12) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Hydrology indicators: Primark indicators (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Crucks (B6) Feed Observations: Surface Water Present? Hydrology indicators: Feed Observations: Surface Water Present? Hydrology indicators: Wettand Hydrology Present? Hydrology Present? Hydrology indicators: Hydrolog | | And the second s |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A1) Histosol (A2) Black Histo (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F2) Hydrogen Sulfide (A9) Loamy Gleyed Matrix (F3) Hydrogen Sulfide Layers (A5) (LRR C) Depleted Below Dark Surface (A12) Popleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S3) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (If present): Type: Depth (Inches): Hydric Soil Present? Yes No Lidzed Rhizospheres along Living Roots (C3) Sartation (A3) Hydrology indicators: Primark indicators (minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Black Matrix (B1) (Nonriverine) Hydrology indicators: Primark indicators (B2) (Nonriverine) Hydrology indicators: Primark indicators (B2) (Nonriverine) Hydrology indicators: Primark indicators (Minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Bloic Crust (B12) Sediment Deposits (B2) (Riverine) Hydrology indicators: Primark indicators (B2) (Nonriverine) Hydrology indicators: Primark indicators (Minimum of one required; check all that apply) Surface Water (A1) High Water Table (A2) Bloic Crust (B12) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Nonriverine) Sediment Deposits (B2) (Nonriverine) Hydrology indicators: Primark indicators (B3) (Nonriverine) Presence of Reduced Iron (C4) Surface Soil Crucks (B6) Feed Observations: Surface Water Present? Hydrology indicators: Feed Observations: Surface Water Present? Hydrology indicators: Wettand Hydrology Present? Hydrology Present? Hydrology indicators: Hydrolog | | |
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| Histic Epipedon (A2) Stripped Matrix (S5) Slak Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfate (A4) Stratified Layers (A5) (LRR C) Stratified Layers (A5) (LRR C) Depleted Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Dark Surface (F6) Depleted Below Dark Surface (A12) Redox Depressions (F8) Sandy Mucky Mineral (S1) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (F3) Sandy Gleyed | Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) | |
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| Thick Dark Surface (A12) Redox Depressions (F8) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrict/ve Layer (If present): Type: Depth (Inches): Hydric Soil Present? Yes No Modern Information (Restrict) (Soil Present? Present): Type: Depth (Inches): Hydric Soil Present? Present? Present (Soil Present? Present): Type: Depth (Inches): Hydric Soil Present? Present? Present (Soil Present? Present): Type: Depth (Inches): Hydric Soil Present? Present? Present (Soil Present? Present): Type: Depth (Inches): Hydric Soil Present? Present? Present (Soil Present? Present): Type: Depth (Inches): Hydric Soil Present? Present (Soil Present? Present (Soil Present? Present): Type: Depth (Inches): Hydric Soil Present? Present (Soil Present? Present): Type: Depth (Inches): Hydric Soil Present? Present (Soil Present): Present (Soil Pr | | |
| Sandy Mucky Mineral (S1) | | |
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| Restrictive Layer (if present): Type: Depth (inches): Hydric Soli Present? Yes No Marks (B1) (Riverine) Surface Water (A1) Salt Crust (B11) Seturation (A3) Sulface Soli (Nonriverine) Sediment Deposits (B2) (Nonriverine) Sediment Deposits (B3) (Riverine) Drift Deposits (B3) (Nonriverine) Sulface Soli Cracks (B6) Recent Iron Reduction In Tilled Solis (C8) Sulface Soli Cracks (B6) Inudation Visible on Aerial Imagery (B7) Water Stained Leaves (B8) Under (B8) Under (B9) Drift Deposits (B3) Under (B9) Sulface Soli Cracks (B6) Sulface Soli Cracks (B6) Sulface Soli Cracks (B6) Sulface Soli Cracks (B6) Drift Deposits (B3) Under (B9) Sulface Soli Cracks (B6) Soli Mudet Sulface (C7) Shallow Aquitard (D3) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Solitation Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Solisor (Stream gauge, monitoring well, aerial photos, previous Inspections), if available: | | unless disturbed or problematic. |
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| Drift Deposits (B3) (Nonriverine) Surface Soll Cracks (B6) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Other (Explain In Remarks) Field Observations: Surface Water Present? Water Table Present? Yes No Depth (inches): Surface Water Present? Water Table Present? Yes No Depth (inches): Surface Water Present? Wetland Hydrology Present? Yes No Depth (inches): Includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Inspections), if available: | ***** | |
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| Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Other (Explain In Remarks) FAC-Neutral Test (D5) Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Inspections), if available: | | |
| Water-Stained Leaves (B9) Other (Explain In Remarks) 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) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Inspections), If available: | And the second s | . — |
| 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) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Inspections), if available: | 1 - | |
| Surface Water Present? Yes No Depth (inches): | | LVo-Mennal Less (no) |
| Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Inspections), If available: | 1 | |
| Saturation Present? Yes No Depth (Inches): Wetland Hydrology Present? Yes No Depth (Inches): Wetland Hydrology Present? Yes No Depth (Inches): Wetland Hydrology Present? Yes No Depth (Inches): Yes No Depth (Inches): Wetland Hydrology Present? Yes No Depth (Inches): Yes No De | | A |
| (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Inspections), if available: | Water Table Present? Yes NoX Depth (inches): | ************************************** |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Inspections), if available: | Saturation Present? Yes No Y Depth (Inches): Wet | and Hydrology Present? Yes No |
| | (includes capillary minge) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections). | if available: |
| Remarks: Ponds briefly in extreme years - in 2011/2012 MAXIMUM panding duratum was 6 days | Deposition Legal and Same Constitutional Branch Legal Land Same Legal Land Sam | |
| MAXIMUM production was 6 days | Demarks: O t (A) | |
| Maximum pording duratur was 6 days | including by the the Black of the state of t | · In 20112012 |
| and the same of th | I has with in consent years | 3 mm 337 mm (1 1 mm 1 mm |
| V · | A A A STANDER ADDRESS TO THE TENSE | deale |
| | Wysimm banding graften mas | days |

| Project/Site: NewPort Banning Ray | ngh citylo | county: Ola | Mgc Co. Sampling Date: 6/9/12 |
|--|--------------------|--------------------------------|---|
| Applicant/Owner: NEW PUTT BANNING RA | nih LL | · | State: CA Sampling Point: O |
| Investigator(s): TBomkamp | Secti | on, Township, Rai | nge: 529 T65 RIOW |
| Landform (hillslope, terrace, etc.): Tema 44- | | | convex, none): Consave Slope (%): 2 2 |
| | | | Long: W 117 5% 47 Datum: WGS 8 |
| Soil Map Unit Name: My Ford Sandy Pram | 0-20% | Slowes | MM electrostics: ALA |
| Are climatic / hydrologic conditions on the site typical for th | | | |
| Are Vegetation <u>vo</u> , Soil <u>vo</u> , or Hydrology <u>vo</u> | | | "Normal Circumstances" present? Yes No |
| Are Vegetation 190, Soil 190, or Hydrology 190 | - | | |
| | | | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map | showing san | npling point l | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes h | vo X | lo the Compled | A |
| Hydric Soil Present? Yes N | | is the Sampled within a Wetlar | |
| Wetland Hydrology Present? Yes | Vo OV | WILLING A VYCUAL | nd? Yes No |
| Remarks: Depression in asphal | | el. Parl | king wea |
| no sails—park | ing lot | | |
| /EGETATION – Use scientific names of plan | nts. | | |
| Tree Stratum (Plot size:) | | minant Indicator | Dominance Test worksheet: |
| 1 | | ecies? Status | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2. | | | |
| 3. | | | Total Number of Dominant Species Across All Strata: Z_ (B) |
| 4. | | | |
| | | otal Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size:) | | | |
| 1. | | | Prevalence Index worksheet: |
| 2 | | | Total % Cover of: Multiply by: |
| 3 4 | | | OBL species x 1 = FACW species x 2 = |
| 5 | | | FAC species x3 = |
| 5/10:00 | = To | otal Cover | FACU species// x 4 = 4/ |
| Herb Stratum (Plot size: 57 radius | | | UPL species x 5 = |
| 1. Delhanara tasciculata | | es PACH | Column Totals: |
| 2. Erodian litrys | | PS FACU | Prevalence Index = B/A = 4.00 |
| 3 | | | Hydrophytic Vegetation Indicators: |
| 4 | | | Dominance Test is >50% |
| 5. | | | Prevalence Index is ≤3.0¹ |
| 6. | | | Morphological Adaptations¹ (Provide supporting |
| 7 | | | data in Remarks or on a separate sheet) |
| | = To | otal Cover | Problematic Hydrophytic Vegetation¹ (Explain) |
| Woody Vine Stratum (Plot size:) | -14 |)III 00101 | |
| 1 | | | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2 | -19 | | |
| 89 | = To | 10000 | Hydrophytic Vegetation |
| % Bare Ground in Herb Strahum % Cove | er of Biotic Crust | 0 | Present? Yes No |
| Remarks; | | ~~~ | 1 |
| | | | |
| | | | |
| | | | |
| | | | (i) |

| alina Point: | MARCO |
|--------------|-------|

| OIL | Sampling Point: |
|---|--|
| rofile Description: (Describe to the depth needed to document the indicate | ator or confirm the absence of indicators.) |
| Depth Matrix Redox Features | |
| Inches) Calar (malst) % Calar (maist) % Ty | pe ¹ Loc ² Texture Remarks |
| | |
| | > |
| | - + 1 - 1 |
| | <u>A</u> |
| NI ONA | <i>L</i> |
| p w o i | / |
| | |
| | |
| | |
| | |
| Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or C | Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. |
| ydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) Loamy Mucky Mineral (F1) | |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain in Remarks) |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) | |
| Depleted Below Dark Surface (A11) Depleted Dark Surface (F7 | 7) |
| Thick Dark Surface (A12) Redox Depressions (F8) | 3Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| Restrictive Layer (if present): | |
| Type: | ., |
| Depth (inches): | Hydric Soil Present? Yes No |
| * | |
| | 8 |
| | |
| YDROLOGY | |
| Vetland Hydrology Indicators: | |
| rimary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) Salt Crust (B11) | Water Marks (B1) (Riverine) |
| High Water Table (A2) Biotic Crust (B12) | Sediment Deposits (B2) (Riverine) |
| Saturation (A3) Aquatic invertebrates (B) | Drift Deposits (B3) (Riverine) |
| Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (| |
| Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres a | |
| | |
| | |
| | Shallow Aquitard (D3) |
| Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) | |
| Water-Stained Leaves (B9) Other (Explain in Remark | (S) [AO-Neuhal rest (DO) |
| Tield Observations: | |
| Surface Water Present? Yes No 🌺 Depth (inches): | |
| Nater Table Present? Yes No Depth (inches): | |
| Saturation Present? Yes No Depth (inches): | Wetland Hydrology Present? Yes No |
| includes capillary fringe) | us (nepostlons) if overlights: |
| Describe Recorded Data (stream gauge, monitoring well, aerial photos, previou | аз інвресцоня), іг ауапасіе: |
| | |
| Remarks: Very Clas Ilms) As And CE som - On | he foods love the in |
| Remarks: Very Shallow Depression - on extreme years - no find | and labour & come of the |
| expreme years - no prod | 10% in 2011/2012 |
| * | ∀ . |
| | |

| Project/Site: Newfort Banning Ranch City/County: ORan | 134 CO, Sampling Date: 6-9-12 |
|---|--|
| Applicant/Owner: New Port Bannird Ranch LLC | State: A Sampling Point: |
| Investigator(s): TBomkamp Section, Township, Ran | nge: 529 T65 RIOW |
| Landform (hillslope, terrace, etc.): Timale Local relief (concave, c | convex, none): CONCAVE Slope (%): < |
| Subregion (LRR): LRR - C Lat: N33 8 07 | Long: W 117 56 47 Datum: WGS 8 |
| Soil Map Unit Name: My Force Sandy Dam 0-2 % Surpls | NVVI classification: NA |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No_ | |
| | Normal Circumstances* present? Yes No |
| Are Vegetation Nu , Soil Nu , or Hydrology Nu naturally problematic? (If ne | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling point to | ocations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Yes No Is the Sampled | Area |
| Hydric Spil Present? Yes No Within a Wetlan | / |
| Wetland Hydrology Present? Yes No X Remarks: Frature IS Part OF Soil Remarks | dicking |
| | diamet to |
| soil stockfile | |
| VEGETATION - Use scientific names of plants. | |
| Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | Number of Dominant Species That Are OBL, FACW, or FAC: (A) |
| 2 | |
| 3 | Total Number of Dominant Species Across All Strata: (B) |
| 4. | Percent of Dominant Species |
| Sepling/Shrub Stratum (Plot size;) | That Are OBL, FACW, or FAC: |
| 1 | Prevalence Index worksheet: |
| 2, | Total % Cover of: Multiply by: OBL species 30 x1= 30 |
| 4 | OBL species 20 x1= 30 FACW species 45 x2= 90 |
| 5 | FAC species |
| = Total Cover | FACU species x 4 = 3 2 |
| Herb Stratum (Plot size:) 1. Cotala Coronopitalia 30 Ves OBL | UPL species x5 = Column Totals; 88 (A) 167 (B) |
| 2 Euthania occidentalis 35 yes FACW | |
| 3. LyThrum hyssipifalium 5. No FACN | Prevalence Index = B/A = 1.489 |
| 4 Bacchanis Salicifolia S no FAC | Hydrophytic Vegetation Indicators: |
| 6. Delnoudra Fasciculata & NO FACILI | Dominance Test Is >50% Prevalence Index Is ≤3.0¹ |
| 7. | Morphological Adaptations ¹ (Provide supporting |
| B | deta in Remarks or on a separate sheet) |
| SX = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) 1 | Indicators of hydric soil and wetland hydrology must |
| 2 | be present, unless disturbed or problematic, |
| = Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum % Cover of Blotic Crust | Vegetation Present? Yes X No |
| Remarks: Area does not fond for 7 days | during most |
| Years. | 0 |
| £ * | |
| 5 | |

| | P |
|----------------|---|
| Sampling Point | |

| Profile Description: (Describe to the depth needed to document the Indica | for or confirm the absence of Indicators.) | | |
|--|--|--|--|
| Denth Matrix Redox Features | | | |
| (Inches) Color (moist) % Color (moist) % Typ | - C 1 1 | | |
| O-4 JOYK3/2 NONE NO | NE Sandy loan | | |
| 4-5 Sandy Lens | | | |
| 5-8 10 YR 3/2 NONE | clay loom | | |
| 0 0 1/1 1/100 | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or C | oated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. | | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Solis ³ : | | |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) | | |
| Histic Epipedon (A2) Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) | | |
| Black Histic (A3) Loamy Mucky Mineral (F1) | Red Dated Vertic (F16) Red Parent Material (TF2) | | |
| Hydrogen Sulfide (A4) Stratified Lavers (A5) (LRR C) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) | Other (Explain In Remarks) | | |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) | | | |
| Depleted Below Dark Surface (A11) Depleted Dark Surface (F7 | | | |
| Thick Dark Surface (A12) Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and | | |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, | | |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic. | | |
| Restrictive Layer (if present): | | | |
| Type: k land | Hydric Soil Present? Yes No | | |
| Depth (inches) | Hydric Soil Present? Yes No | | |
| Remarks: | | | |
| ." | | | |
| | | | |
| | | | |
| HYDROLOGY | | | |
| Wetland Hydrology Indicators: | 1 1 3 A A MANAGEMENT 1 1 1 1 1 1 1 1 1 | | |
| Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) | | |
| Surface Water (A1) Seli Crust (B11) | Water Marks (B1) (Riverine) | | |
| High Water Table (A2) Biotic Crust (B12) | Sediment Deposits (B2) (Riverine) | | |
| Saturation (A3) Aquatic Invertebrates (B1) | 3) Drift Deposits (B3) (Riverine) | | |
| Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C | | | |
| Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres a | long Living Roots (C3) Dry-Season Water Table (C2) | | |
| Drift Deposits (B3) (Nonriverine) Presence of Reduced iro | n (C4) Crayfish Burrows (C8) | | |
| Surface Soli Cracks (B6) Recent Iron Reduction in | Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) | | |
| Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) | Shallow Aquitard (D3) | | |
| Water-Stained Leaves (B9) Other (Explain in Remark | s) FAC-Neutral Test (D5) | | |
| Fleid Observations: | | | |
| No. X Ma Donth (inphon): | | | |
| Surface Water Present? Yes X No Depth (inches): | | | |
| Water Table Present? Yes No Depth (Inches): | | | |
| Water Table Present? Yes No Depth (Inches): Saturation Present? Yes No Depth (inches): No Depth (inches): | | | |
| Water Table Present? Yes No Depth (Inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) | Wetland Hydrology Present? Yes No | | |
| Water Table Present? Yes No Depth (Inches): Saturation Present? Yes No Depth (inches): No Depth (inches): | Wetland Hydrology Present? Yes No | | |
| Water Table Present? Yes No Depth (Inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous) | Wetland Hydrology Present? Yes No | | |
| Water Table Present? Yes No Depth (Inches): Saturation Present? Yes No Depth (Inches): (Includes capillary tringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Remarks: Prod Scribe No Depth (Inches): Remarks: Remarks | Wetland Hydrology Present? Yes No Is inspections), if available: days during Mast Years | | |
| Water Table Present? Yes No Depth (Inches): Saturation Present? Yes No Depth (Inches): (Includes capillary tringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Remarks: Prod Scribe No Depth (Inches): Remarks: Remarks | Wetland Hydrology Present? Yes No Is inspections), if available: days during Mast Years | | |
| Water Table Present? Yes No Depth (Inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous) | Wetland Hydrology Present? Yes No Is inspections), if available: days during Mast Years | | |

| Project/Site: NewPort Banning Ranch City/County: ORan | MSC CO. Sampling Date: 6-19-12 |
|--|---|
| Applicant/Owner: New Port Banning, Ranch LLC | State: CA Sampling Point: Q |
| Investigator(s): TBonkamp Section, Township, Rai | nge: 529 T65 RAW |
| | convex, none): Consave Slope (%): < 27 |
| 1 2 | Long: W 117 5% 47 Datum: WGS 84 |
| Soil Map Unit Name: My Ford Sandy Man 0-270 Stopes | MWI classification: NA- |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No_ | |
| | Normal Circumstances" present? Yes No |
| • | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sampling point to | ocations, transects, important features, etc. |
| Hydrophytic Vegelation Present? Hydric Soil Present? Yes No Is the Sampled within a Wetlar | Area |
| Wetland Hydrology Present? Yes No X | idir TesNo |
| Remarks: | |
| VEGETATION – Use scientific names of plants. | |
| Absolute Dominant Indicator Tree Stratum (Plot size:) | Dominance Test worksheet: Number of Dominant Species |
| 1 | That Are OBL, FACW, or FAC: (A) |
| 2, | Total Number of Dominant |
| 3, | Species Across All Strata: (B) |
| = Total Cover | Percent of Domlnant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size:) 1 | Prevalence Index worksheet: |
| 2 | Total % Cover of: Multiply by: |
| 3 | OBL species x 1 = |
| 4 | FACW species x 2 = |
| 5 | FAC species x3 = FACU species x4 = 36 |
| Herb Stratum (Plot size: = Total Cover | UPL species x 5 = |
| 1. Demandra fasciculata 4 yes Facu | Column Totals: 9 (A) 36 (B) |
| 3 | Prevalence Index = B/A = |
| 4. | Hydrophytic Vegetation Indicators: |
| 5 | Dominance Test is >50% |
| 6 | Prevalence Index Is ≤3,0¹ |
| 7 | Morphological Adaptations ³ (Provide supporting data in Remarks or on a separate sheet) |
| 8 = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size:) | Anadas services and a services |
| 2. | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| = Total Cover | Hydrophytic |
| % Bare Ground in Herb Stratum 91 % Cover of Biptic Crust — | Vegetation Present? Yes No |
| Remarks: | |
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| 72 | |

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| Profile Description: (Describe to the depth needed to document the Indicator or confi | THE ELECTION OF MELICIFICATION |
|--|--|
| (inches) Color (moist) % Color (moist) % Type Loc2 | 1 |
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| compacted for Them Kond Should | ANS) |
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| | |
| ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand | Grains. ² Location: PL=Pore Lining, M=Matrix. |
| yor. C-concentration, L-bepleath, NM-readcea Mass., 60 Governs of Sease Service Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Solis ³ : |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) Loarfly Mucky Mineral (F1) | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) Leanyl Sleyed Matrix (F2) | Red Parent Material (TF2) |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain in Remarks) |
| 1 cm Muck (AB) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) | |
| Thick Dark Surface (A12) — Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| estrictive Layer (if present): | |
| Type: | |
| Depth (inches): N P | Hydric Soil Present? Yes No |
| emarks: | |
| YDROLOGY | |
| etland Hydrology Indicators: | |
| imary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) Salt Crust (B11) | Water Marks (B1) (Riverine) |
| High Water Table (A2) Blotic Crust (B12) | Sediment Deposits (B2) (Riverine) |
| Saturation (A3) Aquatic Invertebrates (B13) | Drift Deposits (B3) (Riverine) |
| Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) | Drainage Patterns (B10) |
| | Roots (C3) Dry-Season Water Table (C2) |
| Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living I | . / |
| Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living I Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) | Сгауfish Випоws (С8) |
| Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living I | Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Oxidized Rhizospheres along Living In Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) | Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Oxidized Rhizospheres along Living II Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits | Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Spil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Oxidized Rhizospheres along Living I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain In Remarks) | Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) Eld Observations: Inface Water Present? Oxidized Rhizospheres along Living I Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain in Remarks) | Стауfish Витгомз (С8) (С6) — Saturation Visible on Aerial Imagery (С8) — Shallow Aquitard (D3) |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Spil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) eld Observations: Urface Water Present? Yes No Depth (inches): Oxidized Rhizospheres along Living in Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits Thin Muck Surface (C7) Other (Explain in Remarks) | Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5) |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) Eld Observations: Unface Water Present? Ves No Depth (inches): Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Sediment Deposits (B2) (Nonriverine) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits Thin Muck Surface (C7) Other (Explain in Remarks) Depth (inches): Sediment Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soits Thin Muck Surface (C7) Other (Explain in Remarks) | Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) Eld Observations: Urface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? | Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) Water Present? Ves No Depth (inches): Surface Rhizospheres along Living Inches (C4) Recent Iron Reduction in Tilled Soils Thin Muck Surface (C7) Other (Explain In Remarks) Depth (inches): Ves No Depth (inches): Ver No Depth (inches): Ve | Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) Depth (inches): Surface Water Present? Ves No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? | Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) Depth (inches): Water Table Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Surface (C7) Other (Explain In Remarks) Surface Water Present? Yes No Depth (inches): Surface (C7) Other (Explain In Remarks) Surface Water Present? Yes No Depth (inches): Surface (C7) Other (Explain In Remarks) | Crayfish Burrows (C8) (C6) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) Eld Observations: Unface Water Present? Yes No Depth (inches): Saturation Present? | Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C8) Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) Eld Observations: Inface Water Present? Area No Depth (Inches): Saturation Present? Yes No Depth (Inches): We will serial photos, previous inspection of the present of the | Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No |
| Sediment Deposits (B2) (Nonriverine) Drift Deposits (B3) (Nonriverine) Surface Soil Cracks (B6) Inundation VIsible on Aerial Imagery (B7) Water-Stained Leaves (B9) and Observations: Inface Water Present? Area No Depth (Inches): Intuition Present? Yes No Depth (Inches): Yes No | Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Vetland Hydrology Present? Yes No |

| Project/Sile: Newfort Banning Ranch City/County: DRAM | 194 CD. Sampling Date: 6-9-12 | | |
|--|---|--|--|
| Applicant/Owner New Port Banning Ranch LLC | State: CA Sampling Point: R | | |
| Investigator(s): TBonkamp O Section, Township, Ran | nge: 529 T65 RIOW | | |
| Landform (hillslope, terrace, etc.): Terrace Local relief (concave, c | | | |
| Subregion (LRR): LRR -C Lat: N33 8 07 | Long: W 117 56 47 Datum: WGS 8 | | |
| Soil Map Unit Name: My Ford Sandy Jam 0-270 Slopes | NWI classification: NA | | |
| Are climatic / hydrologic conditions on the site typical for this time of year? Yes No | (If no, explain in Remarks.) | | |
| Are Vegetation No, Soil No, or Hydrology No significantly disturbed? | Normal Circumstances" present? Yes No | | |
| Are Vegetation NO, Soil NO, or Hydrology NO naturally problematic? (If ne | eded, explain any answers in Remarks.) | | |
| SUMMARY OF FINDINGS - Attach site map showing sampling point to | ocations, transects, important features, etc. | | |
| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Is the Sampled within a Wetlan | | | |
| Remarks: Sampling Point is Low area or Shoulder - Highly Compacted | a DITT Road | | |
| VEGETATION – Use scientific names of plants. | | | |
| Absolute Dominant Indicator Tree Stratum (Plot size:) % Cover Species? Status 1 | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: (A) | | |
| 2 | Total Number of Dominant | | |
| 3, | Species Across All Strata: (B) | | |
| 4 = Total Cover Sapling/Shrub Stratum (Plot size:) | Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B) | | |
| 1, | Prevalence Index worksheet: | | |
| 2 | Total % Cover of: Multiply by: | | |
| 3, | OBL species x1=3S | | |
| 4 | FACW species x 2 = FAC species x 3 = | | |
| Total Cover | FACU species 24 x4= 96 | | |
| Herb Stratum (Plot size) | UPL species 3 x 5 = 15 | | |
| 1. Cotula Coronipifolia 35 yes OBL | Column Totals: 67 (A) 156 (B) | | |
| 2. Ambrosia Asilostachua 7. No FACU 3. Deinandae fasciculata 7 no FACU | Prevalence Index = B/A = 2.32 | | |
| 4. Bromus hordeasesse 10 no FALV | Hydrophytic Vegetation Indicators: | | |
| 5. Hirschaldia Incoma 3 ho UPL | Dominance Test Is >50% | | |
| 6. Lythrum hyssepifolia 3 no FACH | Prevalence Index is ≤3,01 | | |
| 7. Polypogo Minigrationals 2 NO FACE | Morphological Adaptations¹ (Provide supporting deta in Remarks or on a separate sheet) | | |
| 8, | Problematic Hydrophytic Vegetation ¹ (Explain) | | |
| Woody Vine Stratum (Plot size:) 1 | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. | | |
| b 77/1 Total Cover | Hydrophytic \$ | | |
| % Bare Ground in Herb Stratum 33 % Cover of Blotic Crust 9 | Vegetation Present? Yes No No | | |
| Remarks: of Exhibits predominance of Plants | ul indicate status of | | |
| FRE or wetter. Wetland Status Questionable Sive | | | |
| The location on The Shoulder OF A Road | | | |

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| Profile Description: (Describe to the depth : | needed to document the indicator or co | position the absence of indicators.) |
|---|--|---|
| | | SIMILITY CONTROL OF MAINTENANT |
| Depth Matrix (Inches) Color (moist) % | Redox Features Color (moist) % Type¹ Le | pc ² Texture Remarks |
| | pacted Soil Un | Divet |
| 2-3 - 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | The state of the s | DIT |
| est) [load si | nowledge - Ret | isal at , , , , |
| Chel | - NO HINDUS | Indicatives (Kedery) |
| SUTTA | LA WALL | 7 11 |
| | We was | 2 |
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| | | |
| Type: C=Concentration, D=Depletion, RM=Re | educed Matrix, CS=Covered or Coated Se | and Grains. ² Location: PL=Pore Lining, M=Matrix. |
| ydric Soll indicators: (Applicable to all LR | Rs, unless otherwise noted.) | Indicators for Problematic Hydric Solis ⁵ : |
| Histosol (A1) | Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| _ Histle Epipedon (A2) | Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) | Loamy Mucky Mineral (F1) | Reduced Vertic (F18) |
| Hydrogen Sulfide (A4) | Loamy Gleyed Matrix (F2) | Red Parent Material (TF2) |
| _ Stratified Layers (A5) (LRR C) | Depleted Matrix (F3) | Other (Explain in Remarks) |
| _ 1 cm Muck (A9) (LRR D) | Redox Dark Surface (F6) | |
| _ Depleted Below Dark Surface (A11) | Depleted Dark Surface (F7) | 30 p. a |
| _ Thick Dark Surface (A12) | Redox Depressions (FB) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) | Vernal Pools (F9) | wetland hydrology must be present, unless disturbed or problematic. |
| Sandy Gleyed Matrix (S4) | | Unless disturbed of problematic. |
| testrictive Layer (if present): | | |
| Type: NONE | - | |
| Depth (inches): NA | - | Hydric Soil Present? Yes No |
| VDDOLOGY | | |
| YDROLOGY | | |
| Vetland Hydrology Indicators: | to a la a 11 at a a a a b A | Secondary Indicators (2 or more regulred) |
| rimary Indicators (minimum of one required; c | | |
| _ Surface Water (A1) | Salt Crust (B11) | Water Marks (B1) (Riverine) |
| High Water Table (A2) | Biotic Crust (B12) | Sediment Deposits (B2) (Riverine) |
| _ Saturation (A3) | Aquatic Invertebrates (B13) | Drift Deposits (B3) (Riverine) |
| Water Marks (B1) (Nonriverine) | Hydrogen Sulfide Odor (C1) | Drainage Patterns (B10) |
| _ Sediment Deposits (B2) (Nonriverine) | Oxidized Rhizospheres along Livir | |
| _ Drift Deposits (B3) (Nonriverine) | Presence of Reduced Iron (C4) | Crayfish Burrows (C8) |
| _ Surface Soll Cracks (B6) | Recent Iron Reduction in Tilled So | olls (C6) Saturation Visible on Aerial Imagery (C9 |
| Inundation Visible on Aerial Imagery (B7) | Thin Muck Surface (C7) | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) | Other (Explain In Remarks) | FAC-Neutral Test (D5) |
| ield Observations: | 11 | |
| urface Water Present? Yes 💹 No. | Depth (inches): | |
| Vater Table Present? Yes No | / | |
| saturation Present? Yes No | | Wetland Hydrology Present? Yes No |
| ncludes capillary fringe) | | |
| escribe Recorded Data (stream gauge, monitor | oring well, aerial photos, previous inspec | tions), if avallable: |
| £2 | | |
| Remarks: | - Jane N. | - d |
| MONTHUM | OF 2010 2 11 | Jarrell & D |
| Dischurd | IN 2010 211 | Deep |
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| Project/Site: Newfort Banning Ranch city/county: Ofar | 134 CO. Sampling Date: 6-9-12 |
|--|---|
| Applicant/Owner: New Port Bannick Ranch LLC | State: CA Sampling Point: S |
| Investigator(s): TBomkamp Section, Township, Ran | |
| Landform (hillslope, terrace, etc.): Terrace Local relief (concave, co | onvex, none): CONCAVE Slope (%): 2 2 7 |
| Subregion (LRR): LRR - C Lat: N33 8 07 | |
| Soil Map Unit Name: My Force Sandy Jam 0-270 Slopes | NWI classification: NA |
| | (If no, explain in Remarks.) |
| A STATE OF THE STA | Vormal Circumstances" present? Yes No |
| A La | eded, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling point to | |
| | |
| Hydrophytic Vegetation Present? Yes No Is the Sampled Hydric Soil Present? Yes No | |
| Wetland Hydrology Present? Yes No Within a Wetlan | d? Yes No X |
| Remarks: | |
| CONTRACTOR STANDARD | |
| | |
| VEGETATION III | |
| VEGETATION - Use scientific names of plants. Absolute Dominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size:) | Number of Dominant Species |
| 1 | That Are OBL, FACW, or FAC: (A) |
| 2 | Total Number of Dominant |
| 3 | Species Across All Strata: (B) |
| 4 | Percent of Dominant Species |
| Sapling/Shrub Stratum (Plot size:) = Total Cover | That Are OBL, FACW, or FAC: 50 1/6 (A/B) |
| 1 | Prevalence Index worksheet: |
| 2 | Total % Cover of: Multiply by: |
| 3 | OBL species $\frac{40}{100}$ x1 = $\frac{40}{100}$ |
| 4 | FACW species x2 = /D |
| 5 | FAC species |
| Herb Stratum (Plot size: ≂ Total Cover | UPL species |
| 1. Cotyla Coromopifolia 40 yes OBL | Column Totals: 62 (A) 120 (B) |
| 2 Demondra Pasciculate 15 YES FACE | |
| 3. Hirschfeldin Incana 2 no UPL | Prevalence Index = B/A = 1.94 |
| 4. Lythrum hyesopillalium 3 no FACH | |
| 5. Pohypocon phone pederancis 2 ma MACW | ∑ Dominance Test Is >50% ✓ Prevalence Index Is ≤3,01 |
| 6 | |
| 7, | Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8 = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woody Vine Stratum (Plot size: | |
| 1, | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2, | be present, unless distribed of problematic. |
| = Total Cover | Hydrophytic Vegetation |
| % Bare Ground in Herb Stratum % Cover of Biotic Crust | Present? Yes No |
| Remarks: # Co of Charles Co | ······································ |
| Pond water for 7 days during | - mad aloes how |
| Pond water for 7 days during | normal years |
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| Sampling | Point: | 2 |
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| Profile Description: (Describe to the depth needed to document the Depth Matrix Redox Feature | 8 |
|---|--|
| (inches) Color (moist) % Color (moist) % Graved + Soul H | Shy arm packd |
| - Perfusal at Sur | face |
| - Arrea Laciks we | tland hydrology |
| 2. compot hav | e manic soils |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covere | |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise no | |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) al (F1) Reduced Vertic (F18) |
| Black Histic (A3) Loamy Mucky Miner Hydrogen Sulfide (A4) Loamy Gleyed Matri: | · / |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface | |
| Depleted Below Dark Surface (A11) Depleted Dark Surfa | |
| Thick Dark Surface (A12) Redox Depressions | (FB) Sindicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| Restrictive Layer (if present): | |
| Туре: | Hydric Soi! Present? Yes No |
| Depth (inches): | Hydric Soil Present? Yes No |
| IYDROLOGY | |
| Wetland Hydrology Indicators: | |
| Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) Salt Crust (B11) | Water Marks (B1) (Riverine) |
| High Water Table (A2) Blotic Crust (B12) | Sediment Deposits (B2) (Riverine) |
| Saturation (A3) Aquatic Invertebrat | |
| Water Marks (B1) (Nonriverine) Hydrogen Sulfide C | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| | eres along Living Roots (C3) Dry-Season Waler Table (C2) |
| Drift Deposits (B3) (Nonriverine) Presence of Reduc | |
| | don in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9) |
| Inundation Visible on Aerial Imagery (B7) Thin Muck Surface | |
| Water-Stalned Leaves (B9) Other (Explain In R | emarks) FAC-Neutral Test (D5) |
| Field Observations: | |
| Surface Water Present? Yes X No Depth (inches); | The state of the s |
| Vater Table Present? Yes No Depth (inches): | |
| Saturation Present? Yes No Depth (inches): includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, p | • |
| Sescribe vegorinen Data (aneatti AanAe' tiintiitottii Aasii' aettat hiintos' h | TO THE DESTRUCTION IN THE PROPERTY. |
| Remarks: Vac Bruf Frading ANY | re romal ranfall years |
| Remarks: Vhy Brief Fording duri | C A A STATE OF THE |
| < T days | |
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| Project/Sile: Newfort Banning Ranch City/County: Of | lange co. sampling Date: 6-9-12 |
|---|--|
| Applicant/Owner: New Port Banning Ranch LLC | State: CA Sampling Point |
| Investigator(s): TRankamp Section, Township. | Range: 529 T65 RHW |
| Landform (hillslope, terrace, etc.): 7-// 4.44 Local relief (conca | ve, convex, none): Concave Slope (%): 2 2 " |
| Subregion (LRR): Lat Lat | Long: W 117 54 47 Datum: WGS 8 |
| Soll Map Unit Name: My Ford Sandy fram 0-270 Stope | NWI classification: NA |
| Are climatic / hydrologic conditions on the site typical for this time of year? YesN | |
| Are Vegetation NA, Soil NA, or Hydrology NA significantly disturbed? | Are "Normal Circumstances" present? Yes No |
| Are Vegetation <u>NA</u> , Soil <u>NA</u> , or Hydrology <u>NA</u> naturally problematic? (| If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS - Attach site map showing sampling poin | nt locations, transects, important features, etc. |
| Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No W within a Wetland Hydrology Present? | pled Area etland? Yes No |
| Remarks: Feature 15 Asphalt area w. way from 17th Street End | |
| | rance |
| VEGETATION - Use scientific names of plants. | |
| Tree Stratum (Plot size:) Absolute Dominant Indication | Decrete Brown and the Company of the |
| 1. | That Are OBL, FACW, or FAC: (A) |
| 2 | Total Number of Dominant |
| 3, | Species Across All Strata; (B) |
| = Total Cover | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size:) | |
| 1 | Prevalence Index worksheet: Total % Cover of: Multiply by: |
| 2. 3. | OBL species x 1 = |
| 4. | FACW speciesx = |
| 5 | FAC species |
| Herb Stratum (Plot size: = Total Cover | FACU speciesV 1/4 = |
| 1. WALLETTA A. | UPL species x5 = |
| 2 | — Column Totals: (A) (B) |
| 3 | Prevalence Index = B/A = |
| 4 | Hydrophytic Vegetation Indicators: |
| 5. | Dominance Test is >50% Prevalence Index is ≤3.0¹ |
| 6 | Morphological Adaptations ¹ (Provide supporting |
| 8. | data in Remarks or on a separate sheet) |
| = Total Cover | Problematic Hydrophytic Vegetation ¹ (Explain) |
| Woodv Vine Stratum (Plot size:) | ¹ Indicators of hydric soil and wetland hydrology must |
| 1 | be present, unless disturbed or problematic. |
| % Bare Ground in Herb Stratum % Cover of Biotic Crust | Hydrophytic Vegetation Present? Yes No |
| Remarks: | 1 |
| On edge, non roadwar | of area unvegetated |
| | |

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| Profile Description: (Describe to the depth needed to document the indicato | r or confirm the absence of Indicators.) |
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| Depth Matrix Redox Features | |
| (inches) Color (moist) % Color (moist) % Type ¹ | Loc ² Texture Remarks |
| | |
| 10 Asphaltons | |
| 15 M | |
| The mited which | 4-Brotun |
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| DE GERMAN | 4-12, |
| of copy in | |
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| | |
| | 21 D. D. 12-1- M. M. L. |
| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coa | nted Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : |
| Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) | |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) Reduced Vertic (F18) |
| Black Histic (A3) Loamy Mucky Mineral (F1) | Red Parent Material (TF2) |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Matrix (F2) | Other (Explain in Remarks) |
| Stratified Layers (A5) (LRR C) Depleted Matrix (F3) 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) | Other (Explain in Normalita) |
| 1 cm Muck (A9) (LRR D) Redox Dark Surface (F6) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) | |
| Thick Dark Surface (A12) Redox Depressions (F8) | 3Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic. |
| Restrictive Layer (If present): | |
| Type: | |
| Depth (inches): | Hydric Soil Present? Yes No |
| Remarks: | |
| | |
| YDROLOGY | |
| Wetland Hydrology Indicators: | |
| Primary Indicators (minimum of one required; check all that apply) | Secondary Indicators (2 or more required) |
| Surface Water (A1) Salt Crust (B11) | Water Marks (B1) (Riverine) |
| High Water Table (A2) Biotic Crust (B12) | Sediment Deposits (B2) (Riverine) |
| Saturation (A3) Aquatic Invertebrates (B13) | Drift Deposits (B3) (Riverine) |
| Water Marks (B1) (NonriverIne) Hydrogen Sulfide Odor (C1) | |
| | ng Living Roots (C3) Dry-Season Water Table (C2) |
| Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (| |
| Surface Spil Cracks (B6) Recent Iron Reduction in Til | |
| | Shallow Aquitard (D3) |
| Water-Stained Leaves (B9) Water-Stained Leaves (B9) Other (Explain in Remarks) | FAC-Neutral Test (D5) |
| Field Observations: | |
| X | |
| Surface Water Present? Yes V No Depth (inches): | |
| Waler Table Present? Yes No Depth (inches): | |
| Saturation Present? Yes No Depth (inches): | Wetland Hydrology Present? Yes No |
| (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous i | nspections), if available: |
| Describe Mediaged Data (seemii gaoge, illoriitoriilig well, acriai priotos) previous i | |
| | |
| Remarks: Arca Ponds for 7 14 days | during, MOST |
| 10000 | A Arabalta |
| remarks: Arca Ponds for 7 14 days years , however produce | & () Dr. Vallerand |
| \$ 25 | V |
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| Project/Site: Newfort Bar | mina Ranch city | County: PROM | N3C CO. Sampling Date: 6-9-1: |
|---|---|-------------------|--|
| Applicant/Owner New PURT BA | | | State: CA Sampling Point U |
| nvestigator(s): TBomka | mA () Ser | | nge: 529 T65 RNW |
| vestigator(s). | 400 + 14 | | convex, none): CONCAVE Slope (%): 6 2 |
| UNI NOT PORTUGE | | | |
| | | | Long: W 1) 7 56 47 Datum: WGS |
| | | | NVI classification: NA |
| e climatic / hydrologic conditions on th | | | |
| e Vegetation <u>NA</u> , Soll <u>NA</u> , or I | -lydrology <u>NA</u> significantly dist | urbed? Are " | "Normal Circumstances" present? Yes K No |
| e Vegetation <u>NA</u> , Soil <u>NA</u> , or H | hydrology MA naturally probler | natic? (If ne | eded, explain any answers in Remarks.) |
| UMMARY OF FINDINGS - At | tach site map showing sa | mpling point l | ocations, transects, important features, etc. |
| Under the Manufatter Description | Vac Na X | | = 1.00M - V |
| Hydrophytic Vegelation Present? Hydric Soil Present? | Yes No X | Is the Sampled | |
| Netland Hydrology Present? | Yes No X | within a Wetlar | nd? YesNoX |
| Pamarke: | | | |
| Feeture 15 | | | LT Panking Area - |
| No Sails | or veytata | Jn. | V |
| FORTATION III I III- | ···· | | |
| EGETATION - Use scientific | | ominant Indicator | Dominance Test worksheet: |
| Tree Stratum (Plot size: | | pecies? Status | Number of Dominant Species . |
| 1 | | | That Are OBL, FACW, or FAC:(A) |
| ************************************** | | | Total Number of Dominant |
| 3. | | | Species Across All Strata: (B) |
| 4 | | | Percent of Dominant Species |
| District | | Total Cover | That Are OBL, FACW, or FAC: (A/B) |
| Sapling/Shrub Stratum (Plot size: | | | Prevalence Index worksheet: |
| 2. | | | Total % Cover of: Multiply by: |
| 3. | | | OBL species x 1 = |
| | | | FACW species x2= |
| , | | | FAC speciesx3 |
| | <i>(</i> * ≠* | Dial Cover | FACU species |
| Herb Stratum (Plot size: | Though I won't | | UPL species v.5 = |
| 1. | A CONTRACTOR - | | Column Totals: (A) (B) |
| Z. E. S. (1884) | 000 | | |
| 3. NO VE | | | Prevalence Index = B/A = |
| 4. 14 11 | | | Hydrophytic Vegetation Indicators: |
| a. Asphali | | | Dominance Test is >50% |
| S | | | Prevalence Index is ≤3.01 |
| / | | | Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) |
| 8. | | | Problematic Hydrophytic Vegetation¹ (Explain) |
| Woody Vine Stratum (Plot size: |) | lotal Cover | |
| 1 | | | ¹ Indicators of hydric soil and wetland hydrology must |
| 2, | | 12.11 | be present, unless disturbed or problematic. |
| y | | Total Cover | Hydrophytic |
| % Bare Ground In Herb Stratum | | | Vegetation Present? Yes No |
| | 70 COVEL OF BIDLIC CIUS | · | 1 togeth;) eg NU |
| Remarks: | | | |
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| ampling | Point: | V | _ |

| Profile Description: (Describe to the depth needed to document the Indicator or confirm | THE ADDRIGO OF HIGH COLORS |
|--|--|
| Depth Matrix Redox Features | |
| (inches) Color (moist) % Color (moist) % Type 1.oc2 | Texture Remarks |
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| ASPROJE IN FILEY FILES | T. MARCON TO THE STATE OF THE S |
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| ¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Gra | alns. ² Location: PL=Pore Lining, M=Matrix. |
| Hydric Soll Indicators: (Applicable to all LRRs, unless otherwise noted.) | Indicators for Problematic Hydric Soils ³ : |
| Histosol (A1) Sandy Redox (S5) | 1 cm Muck (A9) (LRR C) |
| Histic Epipedon (A2) Stripped Matrix (S6) | 2 cm Muck (A10) (LRR B) |
| Black Histic (A3) Loamy Mucky Mineral (F1) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) | Reduced Vertic (F18) Red Parent Material (TF2) |
| Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) (LRR C) Depleted Matrix (F3) | Other (Explain in Remarks) |
| | |
| Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) | |
| Thick Dark Surface (A12) Redox Depressions (F8) | ³ Indicators of hydrophytic vegetation and |
| Sandy Mucky Mineral (S1) Vernal Pools (F9) | wetland hydrology must be present, |
| Sandy Gleyed Matrix (S4) | unless disturbed or problematic, |
| Restrictive Layer (if present): | |
| Type: Depth (inches): | Hydric Soil Present? Yes No |
| COLUMN TO THE CO | Tigate don't toomer for |
| Remarks: | |
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| | 167 |
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| HYDROLOGY | |
| HYDROLOGY Wetland Hydrology Indicators: | |
| | Secondary Indicators (2 or more regulred) |
| Wetland Hydrology Indicators: | Water Marks (B1) (Riverine) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Selt Crust (B11) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) Self Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) SedIment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roor | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ts (C3) Dry-Season Water Table (C2) |
| Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Salt Crust (B11) High Water Table (A2) Biotic Crust (B12) Saturation (A3) Aquatic Invertebrates (B13) Water Marks (B1) (Nonriverine) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) (Nonriverine) Oxidized Rhizospheres along Living Roor Drift Deposits (B3) (Nonriverine) Presence of Reduced Iron (C4) | Water Marks (B1) (Riverine) Sediment Deposits (B2) (Riverine) Drift Deposits (B3) (Riverine) Drainage Patterns (B10) ts (C3) Dry-Season Water Table (C2) Crayfish Burrows (C8) |
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