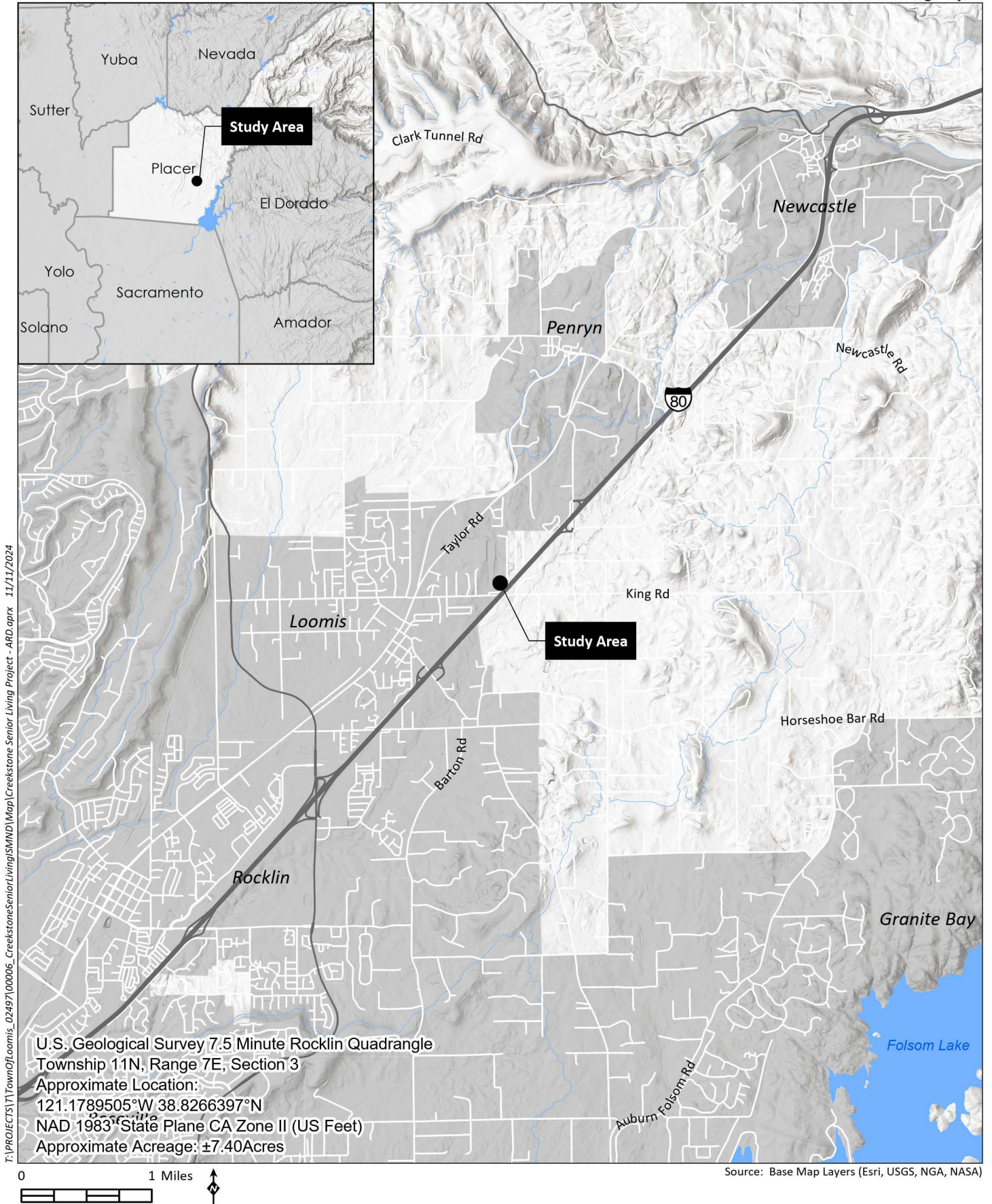
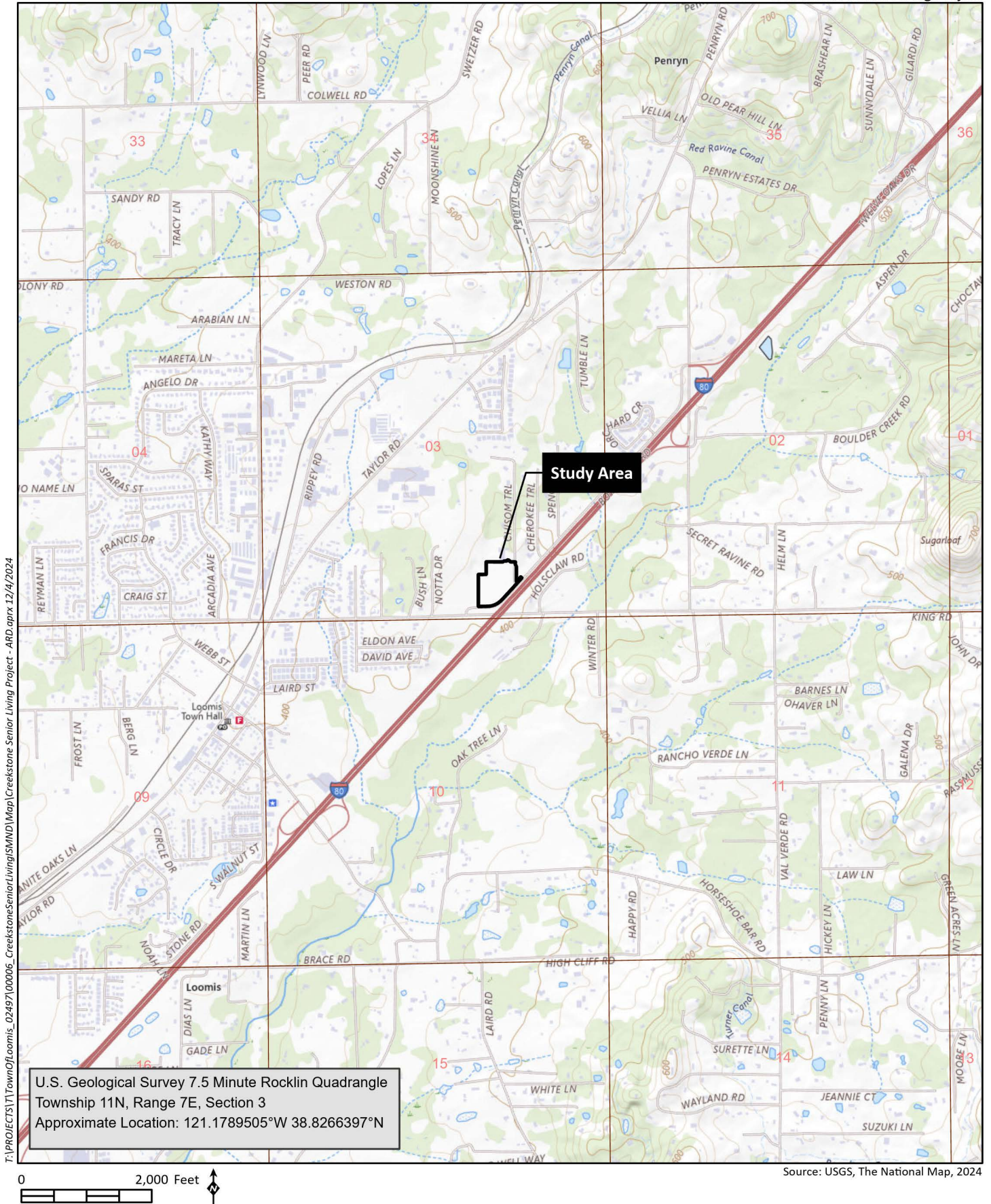


# Appendix A

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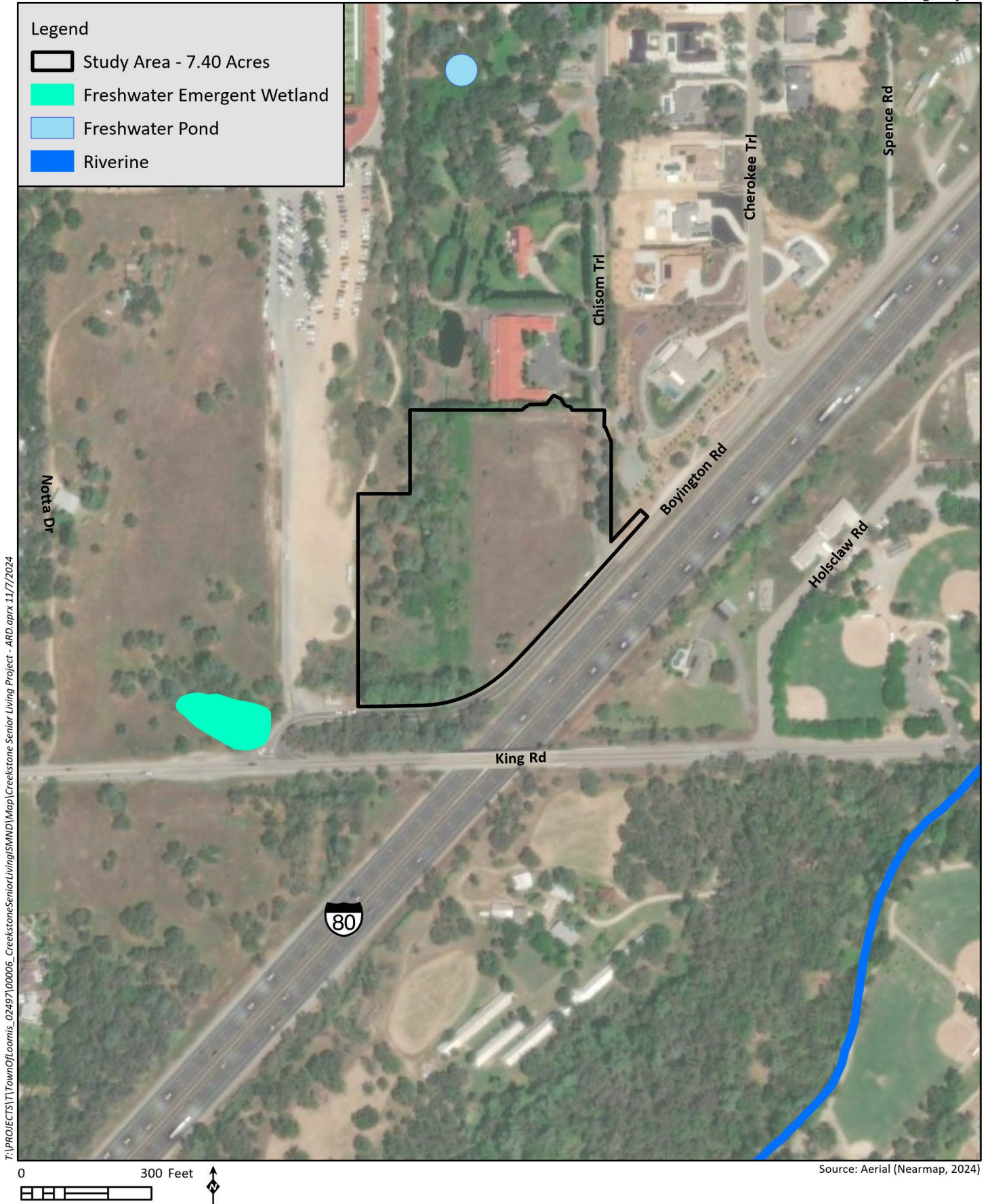
## Figures











## Appendix B

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### Aquatic Resources Delineation Map

Other Features

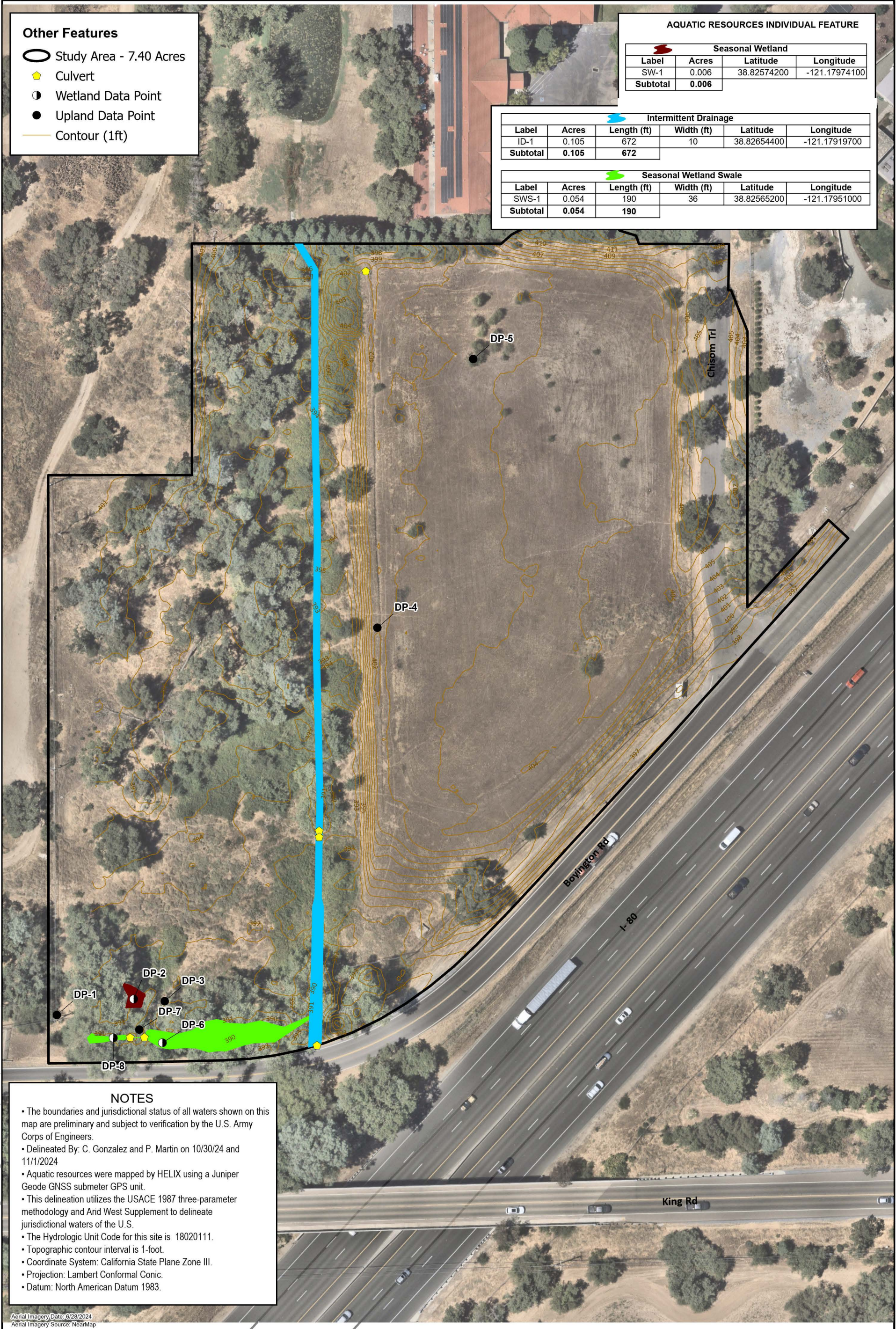
- Study Area - 7.40 Acres
- Culvert
- Wetland Data Point
- Upland Data Point
- Contour (1ft)

AQUATIC RESOURCES INDIVIDUAL FEATURE

Seasonal Wetland			
Label	Acres	Latitude	Longitude
SW-1	0.006	38.82574200	-121.17974100
Subtotal	0.006		

Intermittent Drainage					
Label	Acres	Length (ft)	Width (ft)	Latitude	Longitude
ID-1	0.105	672	10	38.82654400	-121.17919700
Subtotal	0.105	672			

Seasonal Wetland Swale					
Label	Acres	Length (ft)	Width (ft)	Latitude	Longitude
SWS-1	0.054	190	36	38.82565200	-121.17951000
Subtotal	0.054	190			



NOTES

- The boundaries and jurisdictional status of all waters shown on this map are preliminary and subject to verification by the U.S. Army Corps of Engineers.
- Delineated By: C. Gonzalez and P. Martin on 10/30/24 and 11/1/2024
- Aquatic resources were mapped by HELIX using a Juniper Geode GNSS submeter GPS unit.
- This delineation utilizes the USACE 1987 three-parameter methodology and Arid West Supplement to delineate jurisdictional waters of the U.S.
- The Hydrologic Unit Code for this site is 18020111.
- Topographic contour interval is 1-foot.
- Coordinate System: California State Plane Zone III.
- Projection: Lambert Conformal Conic.
- Datum: North American Datum 1983.

Aerial Imagery Date: 6/28/2024  
Aerial Imagery Source: NearMap

**HELIX**  
Environmental Planning

USACE REGULATORY FILE #:  
VERIFIED BY: TBD  
DATE OF VERIFICATION: TBD

REVISIONS

DATE	DESCRIPTION	BY

0 75 150  
Feet

1:900



Drawn By: JCD

AQUATIC RESOURCES DELINEATION MAP

Creekstone Senior Living  
Town of Loomis, Placer County, California  
November 07, 2024

APPENDIX B

## Appendix C

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### Plant Species Observed in the Study Area

Family	Scientific Name	Common Name	Rating <sup>1</sup>
<b>Native</b>			
Agavaceae	<i>Chlorogalum pomeridianum</i>	soaproot	NI
Anacardiaceae	<i>Toxicodendron diversilobum</i>	poison oak	FACU
Asteraceae	<i>Baccharis pilularis</i>	coyote brush	NI
	<i>Madia elegans</i>	common madia	NI
	<i>Xanthium orientale</i>	common cocklebur	NI
Cyperaceae	<i>Carex praegracilis</i>	field sedge	FACW
	<i>Cyperus eragrostis</i>	tall flatsedge	FACW
	<i>Schoenoplectus californicus</i>	California bulrush	OBL
Euphorbiaceae	<i>Croton setiger</i>	turkey-mullein	NI
Fabaceae	<i>Acemispom americanus</i>	Spanish lotus	UPL
Fagaceae	<i>Quercus douglasii</i>	blue oak	NI
	<i>Quercus lobata</i>	valley oak	FACU
	<i>Quercus wislizeni</i>	interior live oak	NI
Juncaceae	<i>Juncus xiphioides</i>	iris leaved rush	OBL
Pinaceae	<i>Pinus sabiniana</i>	gray pine	NI
Salicaceae	<i>Populus fremontii</i>	Fremont cottonwood	FACW
	<i>Salix exigua</i>	narrow leaved willow	FACW
	<i>Salix gooddingii</i>	Goodding's willow	FACW
Vitaceae	<i>Vitis californica</i>	California wild grape	FACU
<b>Non-native</b>			
Apiaceae	<i>Torilis arvensis</i>	tall sock-destroyer	NI
Apocynaceae	<i>Vinca major</i>	greater periwinkle	FACU
Asteraceae	<i>Centaurea solstitialis</i>	yellow star-thistle	NI
	<i>Chondrilla juncea</i>	rush skeleton weed	NI
	<i>Lactuca serriola</i>	prickly lettuce	FACU
Brassicaceae	<i>Brassica nigra</i>	black mustard	NI
Fabaceae	<i>Trifolium hirtum</i>	rose clover	NI
	<i>Vicia sativa</i>	common vetch	FACU
Geraniaceae	<i>Erodium botrys</i>	big heron bill	FACU
	<i>Geranium dissectum</i>	wild geranium	NI
Lamiaceae	<i>Mentha pulegium</i>	pennyroyal	OBL
	<i>Trichostema lanceolatum</i>	vinegarweed	FACU
Poaceae	<i>Avena fatua</i>	wild oats	NI
	<i>Bromus diandrus</i>	ripgut brome	NI
	<i>Bromus hordeaceus</i>	soft brome	FACU
	<i>Cynodon dactylon</i>	Bermuda grass	FACU
	<i>Cynosurus echinatus</i>	dogtail grass	NI
	<i>Elymus caput-medusae</i>	medusahead	NI
	<i>Festuca perennis</i>	Italian ryegrass	FAC
	<i>Hordeum marinum</i>	Mediterranean barley	FAC
Polygonaceae	<i>Rumex crispus</i>	curly dock	FAC
Rosaceae	<i>Rubus armeniacus</i>	Himalayan blackberry	FAC
Typhaceae	<i>Typha angustifolia</i>	narrow leaf cattail	OBL

<sup>1</sup> FAC – facultative; FACU – facultative upland; FACW – facultative wetland; OBL – obligate; UPL – upland;  
NI – reviewed but given no regional indicator

Scientific and common names from: Baldwin, B.G., D.H. Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, D.H. Wilken, Editors. 2012. The Jepson Manual: Vascular Plants of California, second edition. University of California Press, Berkley or U.S. Army Corps of Engineers Cold Regions Research and Engineering Laboratory, *Arid West 2022 Regional Wetland Plant List* (USACE 2022)

## Appendix D

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### Wetland Determination Data Forms

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Creekstone Senior Living City/County: Placer Sampling Date: 10/30/24  
 Applicant/Owner: Town of Loomis State: CA Sampling Point: 1  
 Investigator(s): C. Gonzalez and P. Martin Section, Township, Range: Section 3, T 11N, R 7E  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 0-3  
 Subregion (LRR): C Lat: 38.825702 Long: 121.179968 Datum: NAD 83  
 Soil Map Unit Name: Andregg coarse sandy loam, 2 to 9 percent slopes NWI classification: N/A

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

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

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks: Datapoint location likely floods from adjacent drainage but does not pond for durations sufficient for hydric soil formation. Wetland plant species present in understory but canopy dominated by oaks.	

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Quercus wislizeni</u>	<u>5</u>	<u>Y</u>	<u>--</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u>	(A)
2. <u>Quercus lobata</u>	<u>15</u>	<u>Y</u>	<u>FACU</u>	Total Number of Dominant Species Across All Strata: <u>3</u>	(B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33</u>	(A/B)
4. _____	_____	_____	_____		
	<u>20</u>	= Total Cover			
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:	
1. _____	_____	_____	_____	Total % Cover of: _____	Multiply by: _____
2. _____	_____	_____	_____	OBL species <u>3</u>	x 1 = <u>3</u>
3. _____	_____	_____	_____	FACW species <u>2</u>	x 2 = <u>4</u>
4. _____	_____	_____	_____	FAC species <u>95</u>	x 3 = <u>285</u>
5. _____	_____	_____	_____	FACU species <u>15</u>	x 4 = <u>60</u>
	_____	= Total Cover		UPL species <u>10</u>	x 5 = <u>50</u>
Herb Stratum (Plot size: _____)				Column Totals: <u>125</u>	(A) <u>402</u> (B)
1. <u>Festuca perennis</u>	<u>90</u>	<u>Y</u>	<u>FAC</u>	Prevalence Index = B/A = <u>3.22</u>	
2. <u>Cyperus eragrostis</u>	<u>2</u>	<u>N</u>	<u>FACW</u>		
3. <u>Rumex crispus</u>	<u>5</u>	<u>N</u>	<u>FAC</u>		
4. <u>Cynosurus echinatus</u>	<u>5</u>	<u>N</u>	<u>--</u>		
5. <u>Juncus xiphioides</u>	<u>3</u>	<u>N</u>	<u>OBL</u>		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
	<u>105</u>	= Total Cover			
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:	
1. _____	_____	_____	_____	___ Dominance Test is >50%	
2. _____	_____	_____	_____	___ Prevalence Index is ≤3.0 <sup>1</sup>	
				___ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
				___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____					

Remarks:  
Understory is dominated by hydrophytic species but oak trees dominate the canopy.

## SOIL

Sampling Point: 1

[illegible]

## HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input checked="" type="checkbox"/> Water Marks (B1) ( <b>Riverine</b> )
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)	<input checked="" type="checkbox"/> Sediment Deposits (B2) ( <b>Riverine</b> )
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Drift Deposits (B3) ( <b>Riverine</b> )
<input type="checkbox"/> Water Marks (B1) ( <b>Nonriverine</b> )	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Sediment Deposits (B2) ( <b>Nonriverine</b> )	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3) ( <b>Nonriverine</b> )	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)
<b>Field Observations:</b> Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)		<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		
A drainage is present adjacent to datapoint location with obvious flow patterns and water marks. Area likely floods to datapoint location.		

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Creekstone Senior Living City/County: Placer Sampling Date: 10/30/24  
 Applicant/Owner: Town of Loomis State: CA Sampling Point: 2  
 Investigator(s): C. Gonzalez and P. Martin Section, Township, Range: Section 3, T 11N, R 7E  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 0-3  
 Subregion (LRR): C Lat: 38.825737 Long: 121.179742 Datum: NAD 83  
 Soil Map Unit Name: Xerofluvents, frequently flooded NWI classification: N/A

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

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

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks: Datapoint is in a depression adjacent to a drainage. Wetland vegetation dominates area and obvious wetland hydrology is visible from the drainage to the area. Problematic soil conditions exist and the area meets the definition for problematic soil. Area appears to be a seasonal wetland that receives flows from the nearby drainage, surface runoff, and direct precipitation.			

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC:	<u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata:	<u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>100</u> (A/B)
4. _____	_____	_____	_____		
_____ = Total Cover					
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:	
1. _____	_____	_____	_____	Total % Cover of:	Multiply by:
2. _____	_____	_____	_____	OBL species _____	x 1 = _____
3. _____	_____	_____	_____	FACW species _____	x 2 = _____
4. _____	_____	_____	_____	FAC species _____	x 3 = _____
5. _____	_____	_____	_____	FACU species _____	x 4 = _____
_____ = Total Cover				UPL species _____	x 5 = _____
				Column Totals:	<u>      </u> (A) <u>      </u> (B)
				Prevalence Index = B/A = _____	
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:	
1. <u>Cyanodon dactylon</u>	<u>15</u>	<u>N</u>	<u>FACU</u>	<input checked="" type="checkbox"/> Dominance Test is >50%	
2. <u>Cyperus eragrostis</u>	<u>2</u>	<u>N</u>	<u>FACW</u>	<input type="checkbox"/> Prevalence Index is ≤3.0 <sup>1</sup>	
3. <u>Rumex crispus</u>	<u>3</u>	<u>N</u>	<u>FAC</u>	<input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
4. <u>Carex praegracilis</u>	<u>85</u>	<u>Y</u>	<u>FACW</u>	<input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5. <u>Juncus xiphioides</u>	<u>10</u>	<u>N</u>	<u>OBL</u>		
6. <u>Mentha pulegium</u>	<u>2</u>	<u>N</u>	<u>OBL</u>		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
_____ = Total Cover					
Woody Vine Stratum (Plot size: _____)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1. <u>Rubus armeniacus</u>	<u>25</u>	<u>Y</u>	<u>FAC</u>		
2. _____	_____	_____	_____		
_____ = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____					

Remarks:  
Blackberry and other vegetation is mowed in area.

## SOIL

Sampling Point: 2

[illegible]

## HYDROLOGY

Wetland Hydralnd Indicators:		
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input checked="" type="checkbox"/> Water Marks (B1) ( <b>Riverine</b> )
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)	<input checked="" type="checkbox"/> Sediment Deposits (B2) ( <b>Riverine</b> )
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Drift Deposits (B3) ( <b>Riverine</b> )
<input type="checkbox"/> Water Marks (B1) ( <b>Nonriverine</b> )	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Sediment Deposits (B2) ( <b>Nonriverine</b> )	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3) ( <b>Nonriverine</b> )	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)
<b>Field Observations:</b> Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)		<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: A drainage is present adjacent to datapoint location with obvious flow patterns and water marks. Area likely floods to datapoint location. Fence posts and rocks show water marks with sediment deposited in lower areas.		

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Creekstone Senior Living City/County: Placer Sampling Date: 10/30/24  
 Applicant/Owner: Town of Loomis State: CA Sampling Point: 3  
 Investigator(s): C. Gonzalez and P. Martin Section, Township, Range: Section 3, T 11N, R 7E  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 0-3  
 Subregion (LRR): C Lat: 38.825732 Long: 121.179651 Datum: NAD 83  
 Soil Map Unit Name: Andregg coarse sandy loam, 2 to 9 percent slopes NWI classification: N/A

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

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

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Hydic Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Upland datapoint adjacent to a seasonal wetland and drainage. Area may occasionally pond during periods of high flows but no soil or hydrology indicators are present.			

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)  Total Number of Dominant Species Across All Strata: <u>2</u> (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B)  Prevalence Index = B/A = _____
<b>Sapling/Shrub Stratum (Plot size: _____)</b> 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ _____ = Total Cover				
<b>Herb Stratum (Plot size: _____)</b> 1. <u>Cyanodon dactylon</u> <u>15</u> <u>N</u> <u>FACU</u> 2. <u>Cyperus eragrostis</u> <u>2</u> <u>N</u> <u>FACW</u> 3. <u>Carex praegracilis</u> <u>90</u> <u>Y</u> <u>FACW</u> 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ _____ = Total Cover				
<b>Woody Vine Stratum (Plot size: _____)</b> 1. <u>Rubus armeniacus</u> <u>15</u> <u>Y</u> <u>FAC</u> 2. _____ _____ = Total Cover				
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____				

**Hydrophytic Vegetation Indicators:**  
☒ Dominance Test is >50%  
☐ Prevalence Index is ≤3.0<sup>1</sup>  
☐ Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
☐ Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes ☒ No ☐

Remarks:  
Area is dominated by sedge. Blackberry is mowed in area with new growth visible.

# SOIL

Sampling Point: 3

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0 - 5	7.5 YR 3/3	95	7.5YR 5/6	5	C	M	Coarse Lo.	

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

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

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

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

### Indicators for Problematic Hydric Soils<sup>3</sup>:

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

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

### Restrictive Layer (if present):

Type: Compaction/bedrock?  
Depth (inches): 5

Hydric Soil Present? Yes ☐ No ☒

Remarks:

Shovel refusal at 5in. depth. Redox present but does not qualify as a hydric soil.

# HYDROLOGY

## Wetland Hydrology Indicators:

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

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

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

Secondary Indicators (2 or more required)

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

### Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_  
Water Table Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_  
Saturation Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_  
(includes capillary fringe)

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

A drainage is present adjacent to datapoint location with sediment deposits visible in area. Area may occasionally flood to datapoint location.

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Creekstone Senior Living City/County: Placer Sampling Date: 11/1/24  
 Applicant/Owner: Town of Loomis State: CA Sampling Point: 4  
 Investigator(s): C. Gonzalez Section, Township, Range: Section 3, T 11N, R 7E  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 0-3  
 Subregion (LRR): C Lat: 38.826583 Long: 121.179018 Datum: NAD 83  
 Soil Map Unit Name: Xerofluvents, frequently flooded NWI classification: N/A

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

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

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: Datapoint is within a constructed linear upland ditch.	

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u>	(A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u>	(B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u>	(A/B)
4. _____	_____	_____	_____		
_____ = Total Cover					
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:	
1. _____	_____	_____	_____	Total % Cover of: _____	Multiply by: _____
2. _____	_____	_____	_____	OBL species <u>0</u> x 1 = <u>0</u>	
3. _____	_____	_____	_____	FACW species <u>0</u> x 2 = <u>0</u>	
4. _____	_____	_____	_____	FAC species <u>40</u> x 3 = <u>120</u>	
5. _____	_____	_____	_____	FACU species <u>35</u> x 4 = <u>140</u>	
_____ = Total Cover				UPL species <u>18</u> x 5 = <u>90</u>	
				Column Totals: <u>97</u> (A)	<u>350</u> (B)
				Prevalence Index = B/A = <u>3.61</u>	
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:	
1. <u>Trifolium hirtum</u>	<u>10</u>	<u>N</u>	<u>--</u>	<input type="checkbox"/> Dominance Test is >50%	
2. <u>Acmispon americanus</u>	<u>3</u>	<u>N</u>	<u>UPL</u>	<input type="checkbox"/> Prevalence Index is ≤3.0 <sup>1</sup>	
3. <u>Bromus hordeaceus</u>	<u>35</u>	<u>Y</u>	<u>FACU</u>	<input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
4. <u>Festuca perennis</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	<input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5. <u>Centaurea solstitialis</u>	<u>5</u>	<u>N</u>	<u>--</u>		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
_____ = Total Cover					
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
1. _____	_____	_____	_____		
2. _____	_____	_____	_____		
_____ = Total Cover					
% Bare Ground in Herb Stratum <u>7</u> % Cover of Biotic Crust _____					

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

Hydrophytic Vegetation Present? Yes ☐ No ☒

Area is dominated by upland plant species with a fair amount of Festuca perennis present.

# SOIL

Sampling Point: 4

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0 - 4	7.5 YR 4/3	90	7.5YR 4/6	10	C	M	Crse. Sand	

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

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

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

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

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

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

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

**Restrictive Layer (if present):**

Type: Rock  
Depth (inches): 4

**Hydric Soil Present? Yes ☐ No ☒**

Remarks:

Very mixed sandy soil. Indicative of fill material.

# HYDROLOGY

**Wetland Hydrology Indicators:**

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

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

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

Secondary Indicators (2 or more required)

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

**Field Observations:**

Surface Water Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_  
Water Table Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_  
Saturation Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_  
(includes capillary fringe)

**Wetland Hydrology Present? Yes ☐ No ☒**

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

Remarks:

No hydrology indicators observed.

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Creekstone Senior Living City/County: Placer Sampling Date: 11/1/24  
 Applicant/Owner: Town of Loomis State: CA Sampling Point: 5  
 Investigator(s): C. Gonzalez Section, Township, Range: Section 3, T 11N, R 7E  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): None Slope (%): 0-3  
 Subregion (LRR): C Lat: 38.827197 Long: 121.178730 Datum: NAD 83  
 Soil Map Unit Name: Xerofluvents, frequently flooded NWI classification: N/A

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

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

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Remarks: Datapoint is within a grove of small cottonwoods and willows on a graded, upland pad.	

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Populus fremontii</u>	<u>80</u>	<u>Y</u>	<u>FACW</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u>	(A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>4</u>	(B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u>	(A/B)
4. _____	_____	_____	_____		
<u>80</u> = Total Cover					
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:	
1. <u>Salix exigua</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>	Total % Cover of: _____	Multiply by: _____
2. _____	_____	_____	_____	OBL species <u>0</u>	x 1 = <u>0</u>
3. _____	_____	_____	_____	FACW species <u>100</u>	x 2 = <u>200</u>
4. _____	_____	_____	_____	FAC species <u>0</u>	x 3 = <u>0</u>
5. _____	_____	_____	_____	FACU species <u>40</u>	x 4 = <u>160</u>
<u>20</u> = Total Cover				UPL species <u>68</u>	x 5 = <u>340</u>
				Column Totals: <u>208</u>	(A) <u>700</u> (B)
				Prevalence Index = B/A = <u>3.36</u>	
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:	
1. <u>Trifolium hirtum</u>	<u>15</u>	<u>N</u>	<u>--</u>	<input type="checkbox"/> Dominance Test is >50%	
2. <u>Centaurea solstitialis</u>	<u>5</u>	<u>N</u>	<u>--</u>	<input type="checkbox"/> Prevalence Index is ≤3.0 <sup>1</sup>	
3. <u>Cynosurus echinatus</u>	<u>10</u>	<u>N</u>	<u>--</u>	<input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
4. <u>Bromus hordeaceus</u>	<u>40</u>	<u>Y</u>	<u>FACU</u>	<input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5. <u>Avena fatua</u>	<u>30</u>	<u>Y</u>	<u>--</u>		
6. <u>Torilis arvensis</u>	<u>8</u>	<u>N</u>	<u>--</u>		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
<u>108</u> = Total Cover					
Woody Vine Stratum (Plot size: _____)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1. _____	_____	_____	_____		
2. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<u>_____</u> = Total Cover					
% Bare Ground in Herb Stratum <u>0</u> % Cover of Biotic Crust _____					

Remarks:  
Grove of small cottonwoods and willows with a weedy, upland understory.

## SOIL

Sampling Point: 5

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

[illegible]

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

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

### Indicators for Problematic Hydric Soils<sup>3</sup>:

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Histosol (A1)                           | <input type="checkbox"/> Sandy Redox (S5)           | <input type="checkbox"/> 1 cm Muck (A9) ( <b>LRR C</b> )  |
| <input type="checkbox"/> Histic Epipedon (A2)                    | <input type="checkbox"/> Stripped Matrix (S6)       | <input type="checkbox"/> 2 cm Muck (A10) ( <b>LRR B</b> ) |
| <input type="checkbox"/> Black Histic (A3)                       | <input type="checkbox"/> Loamy Mucky Mineral (F1)   | <input type="checkbox"/> Reduced Vertic (F18)             |
| <input type="checkbox"/> Hydrogen Sulfide (A4)                   | <input type="checkbox"/> Loamy Gleyed Matrix (F2)   | <input type="checkbox"/> Red Parent Material (TF2)        |
| <input type="checkbox"/> Stratified Layers (A5) ( <b>LRR C</b> ) | <input type="checkbox"/> Depleted Matrix (F3)       | <input type="checkbox"/> Other (Explain in Remarks)       |
| <input type="checkbox"/> 1 cm Muck (A9) ( <b>LRR D</b> )         | <input type="checkbox"/> Redox Dark Surface (F6)    |   |
| <input type="checkbox"/> Depleted Below Dark Surface (A11)       | <input type="checkbox"/> Depleted Dark Surface (F7) |   |
| <input type="checkbox"/> Thick Dark Surface (A12)                | <input type="checkbox"/> Redox Depressions (F8)     |   |
| <input type="checkbox"/> Sandy Mucky Mineral (S1)                | <input type="checkbox"/> Vernal Pools (F9)          |   |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4)                |   |   |
- <sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present unless disturbed or problem area

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

## Restrictive Layer (if present):

Type: Compaction

Depth (inches): 5

Hydric Soil Present? Yes \_\_\_\_\_ No ☒

Remarks:

Very mixed sandy soil. Indicative of fill material. Decomposed granite and coarse sand throughout layer.

## HYDROLOGY

### Wetland Hydrology Indicators:

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

Secondary Indicators (2 or more required)

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

**Field Observations:**

Surface Water Present? Yes \_\_\_\_\_ No ☒ Depth (inches): \_\_\_\_\_

Water Table Present? Yes \_\_\_\_\_ No ☒ Depth (inches): \_\_\_\_\_

Saturation Present? Yes \_\_\_\_\_ No ☒ Depth (inches): \_\_\_\_\_  
(includes capillary fringe)

Wetland Hydrology Present?    Yes                      No    ✓

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

Remarks:

No hydrology indicators observed.

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Creekstone Senior Living City/County: Placer Sampling Date: 11/1/24  
 Applicant/Owner: Town of Loomis State: CA Sampling Point: 6  
 Investigator(s): C. Gonzalez Section, Township, Range: Section 3, T 11N, R 7E  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 0-3  
 Subregion (LRR): C Lat: 38.827197 Long: 121.178730 Datum: NAD 83  
 Soil Map Unit Name: Xerofluvents, frequently flooded NWI classification: N/A

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

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

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks: Datapoint is located in a linear depression within a riparian area. Culvert present nearby. Feature is indicative of a riverine seasonal wetland.	

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Populus fremontii</u>	<u>80</u>	<u>Y</u>	<u>FACW</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u>	(A)
2. <u>Salix gooddingii</u>	<u>15</u>	<u>N</u>	<u>FACW</u>	Total Number of Dominant Species Across All Strata: <u>4</u>	(B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u>	(A/B)
4. _____	_____	_____	_____		
<u>95</u> = Total Cover					
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. _____	<u>20</u>	<u>Y</u>	<u>FACW</u>	Total % Cover of: _____	Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x 1 = _____	
3. _____	_____	_____	_____	FACW species _____ x 2 = _____	
4. _____	_____	_____	_____	FAC species _____ x 3 = _____	
5. _____	_____	_____	_____	FACU species _____ x 4 = _____	
<u>20</u> = Total Cover				UPL species _____ x 5 = _____	
				Column Totals: _____ (A)	_____ (B)
				Prevalence Index = B/A = _____	
Herb Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Carex praegracilis</u>	<u>70</u>	<u>Y</u>	<u>FACW</u>	___ Dominance Test is >50%	
2. <u>Rumex crispus</u>	<u>10</u>	<u>N</u>	<u>FAC</u>	___ Prevalence Index is ≤3.0 <sup>1</sup>	
3. <u>Schoenoplectus californicus</u>	<u>5</u>	<u>N</u>	<u>OBL</u>	___ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
4. <u>Juncus xiphioides</u>	<u>8</u>	<u>N</u>	<u>OBL</u>	___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5. <u>Vinca major</u>	<u>5</u>	<u>N</u>	<u>FACU</u>		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
<u>98</u> = Total Cover					
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1. <u>Rubus armeniacus</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>		
2. _____	_____	_____	_____		
<u>40</u> = Total Cover					
% Bare Ground in Herb Stratum <u>0</u> % Cover of Biotic Crust _____				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Remarks:  
Area is dominated by hydrophytic vegetation.

## SOIL

Sampling Point: 6

[illegible]

## HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input checked="" type="checkbox"/> Water Marks (B1) ( <b>Riverine</b> )
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Biotic Crust (B12)	<input checked="" type="checkbox"/> Sediment Deposits (B2) ( <b>Riverine</b> )
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Drift Deposits (B3) ( <b>Riverine</b> )
<input type="checkbox"/> Water Marks (B1) ( <b>Nonriverine</b> )	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input checked="" type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Sediment Deposits (B2) ( <b>Nonriverine</b> )	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Drift Deposits (B3) ( <b>Nonriverine</b> )	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Shallow Aquitard (D3)
<input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)
<b>Field Observations:</b> Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)		<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks: Abundant water-stained leaves; water marks and sediment deposits visible on tree trunks aprx. 14in from surface.		

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Creekstone Senior Living City/County: Placer Sampling Date: 11/1/24  
 Applicant/Owner: Town of Loomis State: CA Sampling Point: 7  
 Investigator(s): C. Gonzalez Section, Township, Range: Section 3, T 11N, R 7E  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Convex Slope (%): 0-3  
 Subregion (LRR): C Lat: 38.825667 Long: 121.179726 Datum: NAD 83  
 Soil Map Unit Name: Xerofluvents, frequently flooded NWI classification: N/A

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

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

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Hydic Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Upland datapoint adjacent to seasonal riverine wetland. Old constructed road/driveway with culvert at datapoint location.			

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u>	(A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>3</u>	(B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33</u>	(A/B)
4. _____	_____	_____	_____		
				Prevalence Index worksheet:	
_____ = Total Cover				Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size: _____)				OBL species <u>0</u>	x 1 = <u>0</u>
1. <u>Quercus lobata</u>	<u>10</u>	<u>Y</u>	<u>FACU</u>	FACW species <u>5</u>	x 2 = <u>10</u>
2. _____	_____	_____	_____	FAC species <u>50</u>	x 3 = <u>150</u>
3. _____	_____	_____	_____	FACU species <u>50</u>	x 4 = <u>200</u>
4. _____	_____	_____	_____	UPL species <u>0</u>	x 5 = <u>0</u>
5. _____	_____	_____	_____	Column Totals: <u>105</u>	(A) <u>360</u> (B)
_____ = Total Cover				Prevalence Index = B/A = <u>3.43</u>	
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:	
1. <u>Cyanodon dactylon</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	<input type="checkbox"/> Dominance Test is >50%	
2. <u>Vinca major</u>	<u>30</u>	<u>Y</u>	<u>FACU</u>	<input type="checkbox"/> Prevalence Index is ≤3.0 <sup>1</sup>	
3. <u>Carex praegracilis</u>	<u>5</u>	<u>N</u>	<u>FACW</u>	<input type="checkbox"/> Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
4. _____	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
_____ = Total Cover					
Woody Vine Stratum (Plot size: _____)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1. <u>Rubus armeniacus</u>	<u>50</u>	<u>Y</u>	<u>FAC</u>	Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
2. _____	_____	_____	_____		
_____ = Total Cover					
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____					

Remarks:  
Area is dominated by upland vegetation.

## SOIL

Sampling Point: 7**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0 - 4	7.5 YR 3/3	95	7.5YR 5/6	5	C	M	Coarse Lo.	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.<sup>2</sup>Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- ☐ Histosol (A1)  
☐ Histic Epipedon (A2)  
☐ Black Histic (A3)  
☐ Hydrogen Sulfide (A4)  
☐ Stratified Layers (A5) (**LRR C**)  
☐ 1 cm Muck (A9) (**LRR D**)  
☐ Depleted Below Dark Surface (A11)  
☐ Thick Dark Surface (A12)  
☐ Sandy Mucky Mineral (S1)  
☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)  
☐ Stripped Matrix (S6)  
☐ Loamy Mucky Mineral (F1)  
☐ Loamy Gleyed Matrix (F2)  
☐ Depleted Matrix (F3)  
☐ Redox Dark Surface (F6)  
☐ Depleted Dark Surface (F7)  
☐ Redox Depressions (F8)  
☐ Vernal Pools (F9)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

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

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

**Restrictive Layer (if present):**Type: Compaction/bedrock?Depth (inches): 4Hydric Soil Present? Yes ☐ No ☒

Remarks:

Shovel refusal at 4in. depth. Redox present but does not qualify as a hydric soil.

## HYDROLOGY

**Wetland Hydrology Indicators:**

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

- ☐ Surface Water (A1)  
☐ High Water Table (A2)  
☐ Saturation (A3)  
☐ Water Marks (B1) (**Nonriverine**)  
☐ Sediment Deposits (B2) (**Nonriverine**)  
☐ Drift Deposits (B3) (**Nonriverine**)  
☐ Surface Soil Cracks (B6)  
☐ Inundation Visible on Aerial Imagery (B7)  
☐ Water-Stained Leaves (B9)
- ☐ Salt Crust (B11)  
☐ Biotic Crust (B12)  
☐ Aquatic Invertebrates (B13)  
☐ Hydrogen Sulfide Odor (C1)  
☐ Oxidized Rhizospheres along Living Roots (C3)  
☐ Presence of Reduced Iron (C4)  
☐ Recent Iron Reduction in Tilled Soils (C6)  
☐ Thin Muck Surface (C7)  
☐ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

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

**Field Observations:**Surface Water Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_Water Table Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_Saturation Present? Yes ☐ No ☒ Depth (inches): \_\_\_\_\_  
(includes capillary fringe)Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

No hydrology indicators observed.

# WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Creekstone Senior Living City/County: Placer Sampling Date: 11/1/24  
 Applicant/Owner: Town of Loomis State: CA Sampling Point: 8  
 Investigator(s): C. Gonzalez Section, Township, Range: Section 3, T 11N, R 7E  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 0-3  
 Subregion (LRR): C Lat: 38.825649 Long: 121.179803 Datum: NAD 83  
 Soil Map Unit Name: Xerofluvents, frequently flooded NWI classification: N/A

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

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

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Remarks: Datapoint is located in a linear depression within a riparian area. Culvert present nearby. Feature is indicative of a riverine seasonal wetland.	

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Populus fremontii</u>	<u>75</u>	<u>Y</u>	<u>FACW</u>	Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u>	(A)
2. <u>Salix gooddingii</u>	<u>15</u>	<u>N</u>	<u>FACW</u>	Total Number of Dominant Species Across All Strata: <u>4</u>	(B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u>	(A/B)
4. _____	_____	_____	_____		
<u>90</u> = Total Cover					
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:	
1. _____	_____	_____	_____	Total % Cover of: _____	Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x 1 = _____	
3. _____	_____	_____	_____	FACW species _____ x 2 = _____	
4. _____	_____	_____	_____	FAC species _____ x 3 = _____	
5. _____	_____	_____	_____	FACU species _____ x 4 = _____	
_____ = Total Cover				UPL species _____ x 5 = _____	
				Column Totals: _____ (A)	_____ (B)
				Prevalence Index = B/A = _____	
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:	
1. <u>Juncus xiphioides</u>	<u>50</u>	<u>Y</u>	<u>OBL</u>	___ Dominance Test is >50%	
2. <u>Vinca major</u>	<u>15</u>	<u>N</u>	<u>FACU</u>	___ Prevalence Index is ≤3.0 <sup>1</sup>	
3. <u>Carex praegracilis</u>	<u>40</u>	<u>Y</u>	<u>FACW</u>	___ Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)	
4. _____	_____	_____	_____	___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)	
5. _____	_____	_____	_____		
6. _____	_____	_____	_____		
7. _____	_____	_____	_____		
8. _____	_____	_____	_____		
<u>105</u> = Total Cover					
Woody Vine Stratum (Plot size: _____)				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
1. <u>Rubus armeniacus</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>		
2. _____	_____	_____	_____		
<u>10</u> = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____					

Remarks:  
Area is dominated by hydrophytic vegetation. Willow has adventitious roots at surface.

# SOIL

Sampling Point: 8

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0 - 2	7.5 YR 4/2	100					SaClLo	Abundant organic material
2-10	7.5YR 4/2	80	7.5YR 5/6	20	C	M	SaClLo	

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

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

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

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

### Indicators for Problematic Hydric Soils<sup>3</sup>:

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

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

### Restrictive Layer (if present):

Type: Compaction/bedrock?

Depth (inches): 4

Hydric Soil Present? Yes ☒ No ☐

Remarks:

Soil is moist.

# HYDROLOGY

## Wetland Hydrology Indicators:

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

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

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

Secondary Indicators (2 or more required)

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

### Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):                     

Water Table Present? Yes ☐ No ☒ Depth (inches):                     

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):                     

Wetland Hydrology Present? Yes ☐ No ☒

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

Remarks:

Abundant water-stained leaves; water marks and sediment deposits visible on tree trunks aprx. 12in from surface. Willow has adventitious roots at surface.

# Arid West Ephemeral and Intermittent Streams OHW M Datasheet

**Project:** CREEKSTONE SENIOR LIVING **Date:** 10/30/24 **Time:** 0855  
**Project Number:** **Town:** LOOMIS **State:** CA  
**Stream:** **Photo begin file#:** **Photo end file#:**  
**Investigator(s):** GONZALEZ & MARTIN

Y ☒ / N ☐ Do normal circumstances exist on the site?

**Location Details:** BOJINGTON ROAD  
NEAR DEL ORA

Y ☒ / N ☐ Is the site significantly disturbed?

**Projection:** **Datum:**  
**Coordinates:**

**Potential anthropogenic influences on the channel system:**

CHANNEL IS UNIFORM & STRAIGHT. APPEARS TO BE A MANIPULATED NATURAL STREAM W/ HISTORIC DISTURBANCE.

**Brief site description:**

SITE IS CURRENTLY A VACANT LOT. EXTENSIVE HIM BB & RIPARIAN VEG. PRESENT ALONG DRAINAGE. 2 HEADWALLS PRESENT & FEATURE FLOWS N → S.

**Checklist of resources (if available):**

☒ Aerial photography

Dates: 1952 - 2024

☒ Topographic maps

☐ Geologic maps

☒ Vegetation maps

☒ Soils maps

☐ Rainfall/precipitation maps

☐ Existing delineation(s) for site

☒ Global positioning system (GPS)

☐ Other studies

☐ Stream gage data

Gage number:

Period of record:

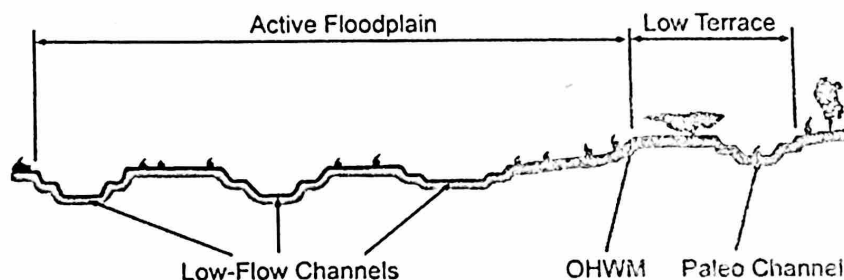
☐ History of recent effective discharges

☐ Results of flood frequency analysis

☐ Most recent shift-adjusted rating

☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

**Hydrogeomorphic Floodplain Units**



**Procedure for identifying and characterizing the floodplain units to assist in identifying the OHW M:**

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
  - a) Record the floodplain unit and GPS position.
  - b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
  - c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHW M and record the indicators. Record the OHW M position via:
 

☐ Mapping on aerial photograph  
☒ Digitized on computer

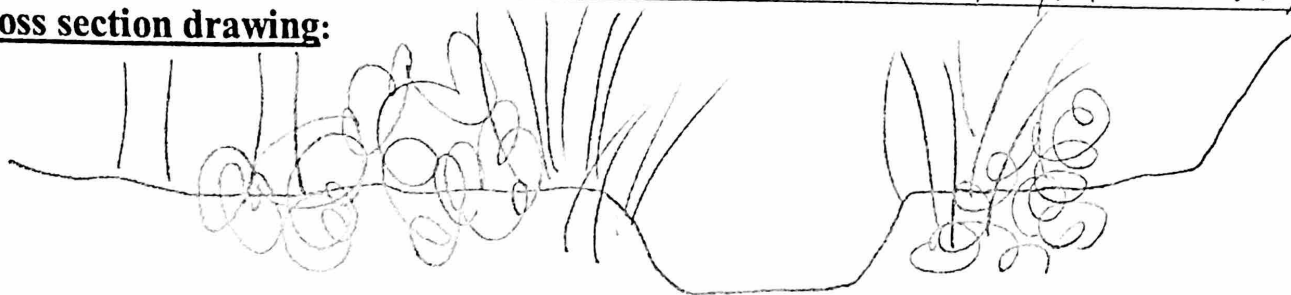
☒ GPS  
☐ Other:

Project ID: CS

Cross section ID: 1

Date: 10/30/24 Time: 0855

Cross section drawing:



OHWM

GPS point: 1

**Indicators:**

- ☐ Change in average sediment texture
- ☒ Change in vegetation species
- ☒ Change in vegetation cover

☒ Break in bank slope

☐ Other: \_\_\_\_\_

☐ Other: \_\_\_\_\_

**Comments:**

CONSTRUCTED CHANNEL WITH NO FLOODPLAIN  
OR TERRACES. VERY DENSE VEG.

Floodplain unit:

☐ Low-Flow Channel

☒ Active Floodplain

☐ Low Terrace

GPS point: \_\_\_\_\_

**Characteristics of the floodplain unit:**

Average sediment texture: COARSE SANDY 100M

Total veg cover: 125 % Tree: 20 % Shrub: 80 % Herb: 15 %

**Community successional stage:**

☐ NA

☐ Early (herbaceous & seedlings)

☐ Mid (herbaceous, shrubs, saplings)

☒ Late (herbaceous, shrubs, mature trees)

**Indicators:**

☐ Mudcracks

☐ Ripples

☒ Drift and/or debris

☒ Presence of bed and bank

☐ Benches

☐ Soil development

☐ Surface relief

☐ Other: \_\_\_\_\_

☐ Other: \_\_\_\_\_

☐ Other: \_\_\_\_\_

**Comments:**

SINGLE CHANNEL (CONSTRUCTED) WITH A  
WELL-DEFINED BED & BANK

## Appendix E

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### Representative Photographs



Photo 1. Representative view of data point (DP)-1 location in upland habitat, facing south. Photo taken 10/30/2024.



Photo 2. Representative view of SW-1 facing south. Note that the shovel is at the DP-2 location. Photo taken 10/30/2024.

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Photo 3. Representative view of DP-3 location in upland habitat, facing west.  
Photo taken 10/30/2024.



Photo 4. Representative view of DP-4 location in an upland ditch, facing north.  
Photo taken 11/1/2024.

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Photo 5. Representative view of RSW-1 facing northwest. Note that the shovel is at the DP-5 location. Photo taken 11/1/2024.



Photo 6. Representative view of RSW-1 facing south. Note that the shovel is at the DP-6 location. Photo taken 11/1/2024.

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Photo 7. Representative view of DP-7 within upland habitat, facing north.  
Photo taken 11/1/2024.



Photo 8. Representative view of OHWM-1 and the intermittent drainage,  
facing northeast. Photo taken 11/1/2024.

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