



FOOTHILL ASSOCIATES

ENVIRONMENTAL CONSULTANTS

November 1, 2000

Tom Cavanaugh
U.S. Army Corps of Engineers
1325 J Street, 14th Floor
Sacramento, CA 95814-2922

Dear Tom:

On behalf of Catlin Properties, Foothill Associates is submitting the enclosed wetland delineation for the Bear River Mill project site, located south of Grass Valley in Nevada County. The project site encompasses approximately 175 acres.

Project Applicant: Steve Dolim
Catlin Properties
3620 Fair Oaks Blvd., Suite 150
Sacramento, CA 95864

Enclosed please find:

- 1) Wetland Delineation Map;
- 2) Wetland Data Sheets;
- 3) Site and Vicinity Map;
- 4) Soils Map;
- 5) Kennedy-Jenks Map of Former Site Operations;
- 6) Map of Existing structures, culverts, and other infrastructure prepared by Catlin Properties.

The project area has an industrial past, with the Valley Veneer plywood plant and the Bear River Sawmill occupying much of the northern half of the site. Significant deposits of sawdust were stockpiled on the site during lumber and plywood operations, and while much of the sawdust was subsequently removed, portions of the site still contain significant sawdust deposits. Other portions of the site were used for log storage and for preservative treatment of lumber products. Portions of the site also received spoils from the Galena Mine. The enclosed Kennedy-Jenks map illustrates the location of some of these operations. The extent of past disturbance is also reflected in the SCS map for the site in areas of Cut and Fill (Ct) soils (see enclosed map).

Although the lumber and plywood operations ceased several years ago, and partial reclamation of the site has occurred, the site remains highly disturbed, with building foundations, ditches and conduits, residual sawdust deposits, and paved areas. Project site topography has been significantly altered by past uses. Similarly, the site's drainage patterns have been altered, with a

series of ditches, excavations, culverts, and ponds largely replacing natural drainageways. Catlin Properties has inventoried some of these features, and a copy of their map is enclosed.

Please contact me, should you require any additional information. We are available at your convenience to conduct a field verification of the delineation map.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. D. Whitney', with a stylized flourish at the end.

Kenneth D. Whitney

enclosures

cc: Steve Dolim, Catlin Properties



PROJECT NAME: Bear River Mill FILE NAME: BRN_WD000 DATE: 10/27/00



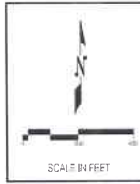
WATERS OF THE U.S.	
CLASSIFICATION	ACREAGE
DEEP WATER	0.00
SEASONAL MARSH	2.75
POUND	0.00
SEASONAL WETLAND	0.00
PERMANENT WETLANDS	
PERMANENT CHANNELS	0.18
TOTAL	2.93

OTHER FEATURES

DATA FILE

NOTES

- Wetland delineation is based on field data and aerial photography.
- Wetland boundaries are shown as best estimates.



BEAR RIVER MILL

WETLAND DELINEATION

FOOTHILL ASSOCIATES
ENVIRONMENTAL CONSULTANTS

DATE: 10/27/00 PREPARED BY: J. HARRIS
DRAWN BY: J. HARRIS
CHECKED BY: J. HARRIS

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Bear River Mill</u> Applicant/Owner: <u>Catlin Properties</u> Investigator: <u>Brian Mayerle</u>	Date: <u>09/22/2000</u> County: <u>Nevada</u> State: <u>California</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: _____ Transect ID: _____ Plot ID: <u>1</u>

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Juncus effusus</u>	<u>HERB</u>	<u>OBL</u>	9. _____	_____	_____
2. <u>Salix lasiolepis</u>	<u>SHRUB</u>	<u>FACW</u>	10. _____	_____	_____
3. <u>Typha angustifolia</u>	<u>HERB</u>	<u>OBL</u>	11. _____	_____	_____
4. _____	_____	_____	12. _____	_____	_____
5. _____	_____	_____	13. _____	_____	_____
6. _____	_____	_____	14. _____	_____	_____
7. _____	_____	_____	15. _____	_____	_____
8. _____	_____	_____	16. _____	_____	_____

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): 100 %

Remarks: _____

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available <hr/> Field Observations: Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: <u>Old excavation.</u>	

SOILS

Map Unit Name (Series and Phase): _____		Drainage Class: _____ Field Observations Confirm Mapped Type? <input type="radio"/> Yes <input type="radio"/> No	
Taxonomy (Subgroup): _____			

Profile Description:					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
10		2.5 Y 5/2	5 YR 4/6		Concretions, root channels

Hydric Soil Indicators:

<input type="checkbox"/> Histosol <input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
--	--

Remarks: The soil is artificially mixed and highly compacted. 0-4" is different material source.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks: Excavated area -- Old sawdust pile.	

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4. _____	_____	_____	12. _____	_____	_____
5. _____	_____	_____	13. _____	_____	_____
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Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 100 %

Remarks:

HYDROLOGY

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Profile Description:					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
10		2.5 Y 5/2	5 YR 4/6		Concretions, root channels

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Remarks: The soil is artificially mixed and highly compacted. 0-4" is different material source.

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Remarks:

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Do Normal Circumstances exist on the site? <input type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input type="radio"/> No (If needed, explain on reverse.)	Community ID: _____ Transect ID: _____ Plot ID: <u>1</u>

VEGETATION

<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Dominant Plant Species</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">Indicator</th> </tr> <tr><td>1. <u>Juncus effusus</u></td><td><u>HERB</u></td><td><u>OBL</u></td></tr> <tr><td>2. <u>Salix lasiolepis</u></td><td><u>SHRUB</u></td><td><u>FACW</u></td></tr> <tr><td>3. <u>Typha angustifolia</u></td><td><u>HERB</u></td><td><u>OBL</u></td></tr> <tr><td>4. _____</td><td>_____</td><td>_____</td></tr> <tr><td>5. _____</td><td>_____</td><td>_____</td></tr> <tr><td>6. _____</td><td>_____</td><td>_____</td></tr> <tr><td>7. _____</td><td>_____</td><td>_____</td></tr> <tr><td>8. _____</td><td>_____</td><td>_____</td></tr> </table>	Dominant Plant Species	Stratum	Indicator	1. <u>Juncus effusus</u>	<u>HERB</u>	<u>OBL</u>	2. <u>Salix lasiolepis</u>	<u>SHRUB</u>	<u>FACW</u>	3. <u>Typha angustifolia</u>	<u>HERB</u>	<u>OBL</u>	4. _____	_____	_____	5. _____	_____	_____	6. _____	_____	_____	7. _____	_____	_____	8. _____	_____	_____	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Dominant Plant Species</th> <th style="text-align: left; border-bottom: 1px solid black;">Stratum</th> <th style="text-align: left; border-bottom: 1px solid black;">Indicator</th> </tr> <tr><td>9. _____</td><td>_____</td><td>_____</td></tr> <tr><td>10. _____</td><td>_____</td><td>_____</td></tr> <tr><td>11. _____</td><td>_____</td><td>_____</td></tr> <tr><td>12. _____</td><td>_____</td><td>_____</td></tr> <tr><td>13. _____</td><td>_____</td><td>_____</td></tr> <tr><td>14. _____</td><td>_____</td><td>_____</td></tr> <tr><td>15. _____</td><td>_____</td><td>_____</td></tr> <tr><td>16. _____</td><td>_____</td><td>_____</td></tr> </table>	Dominant Plant Species	Stratum	Indicator	9. _____	_____	_____	10. _____	_____	_____	11. _____	_____	_____	12. _____	_____	_____	13. _____	_____	_____	14. _____	_____	_____	15. _____	_____	_____	16. _____	_____	_____
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Remarks:																																																							

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input type="checkbox"/> Aerial Photographs <input type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available <hr style="border: 0; border-top: 1px solid black; margin: 10px 0;"/> Field Observations: Depth of Surface Water: _____ (in.) Depth to Free Water in Pit: _____ (in.) Depth to Saturated Soil: _____ (in.)	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input checked="" type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input type="checkbox"/> Water-Stained Leaves <input type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Remarks: <u>Old excavation.</u>	

SOILS

Map Unit Name (Series and Phase): _____		Drainage Class: _____ Field Observations Confirm Mapped Type? <input type="radio"/> Yes <input type="radio"/> No			
Taxonomy (Subgroup): _____					
Profile Description:					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
10		2.5 Y 5/2	5 YR 4/6		Concretions, root channels

Hydric Soil Indicators:

<input type="checkbox"/> Histic Epipedon <input type="checkbox"/> Sulfidic Odor <input type="checkbox"/> Aquic Moisture Regime <input type="checkbox"/> Reducing Conditions <input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors	<input type="checkbox"/> Concretions <input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils <input type="checkbox"/> Organic Streaking in Sandy Soils <input type="checkbox"/> Listed on Local Hydric Soils List <input type="checkbox"/> Listed on National Hydric Soils List <input type="checkbox"/> Other (Explain in Remarks)
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Remarks: The soil is artificially mixed and highly compacted. 0-4" is different material source.

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks: Excavated area -- Old sawdust pile.	