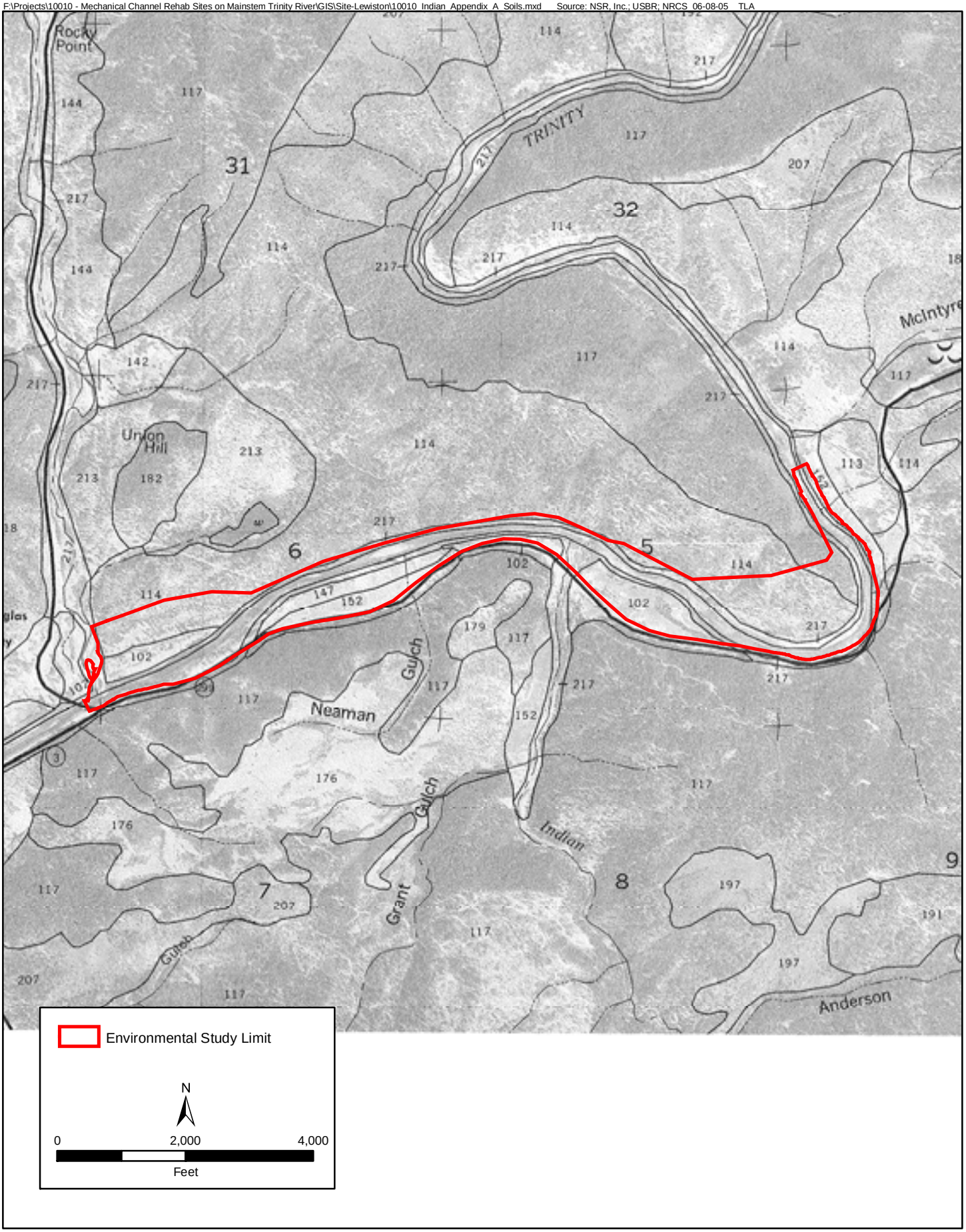
APPENDIX A

Soil Map Unit Figure

F:\Projects\10010 - Mechanical Channel Rehab Sites on Mainstem Trinity River\GIS\Site-Lewiston\10010_Indian_Appendix_A_Soils.mxd Source: NSR, Inc.; USBR; NRCS 06-08-05 TLA



Appendix A. Soil Map Units

APPENDIX B

Data Sheets

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Perennial Stream | Plot ID: DP 22 (DP-1)

Project/Site: Indian Creek
Applicant/Owner: BLM / Private
Investigator(s): S. Boggs
Date: 13 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? (Y) or N Explain: Indian 34
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Alnus rhombifolia	20	T	OBL
2. Salix exigua	10	S	OBL
3. Rubus discolor	70	S	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC: 100%

Remarks: Sufficient hydrophytic vegetation.

HYDROLOGY

(X) Recorded Data (Describe in Remarks)
( ) stream, lake, or tide gauge
(X) aerial photographs
( ) other
( ) No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
( ) inundated (active stream)	( ) oxidized root channels in upper 12"
( ) saturated in upper 12" (riparian zone)	(X) water-stained leaves
( ) water marks	(X) local soil survey data
(X) drift lines	( ) FAC-neutral test
(X) sediment deposits	( ) other (explain in remarks)
(X) drainage patterns in wetands	

Remarks: Sufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 217 - Xerofluvents, occasionally flooded, 0-5% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric
Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-12"	—	Native	N/A	N/A	Sandy

Remarks: Sufficient hydric soil indicators.

Hydric Soil Indicators:
( ) Histosol
( ) Histic Epipedon
( ) Sulfidic odor
( ) Aquic moisture regime
( ) Reducing conditions
( ) Concretions
( ) Positive alpha-alpha dipyridyl test
( ) Gleyed or low-chroma colors
( ) High organic content in surface layer in sandy soil
( ) Organic streaking in sandy soils
(X) Listed on local hydric soils list
( ) Listed on national hydric soils list
(X) Other: Frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? (Y) or N (If yes, complete bottom of form)

Remarks: Trinity River

ACOE JURISDICTION

ACOE Jurisdiction:
( ) Adjacent to Waters ( ) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
(X) Defined Bed and Bank (X) Scour (X) Ordinary High Water Mark Mapped

Feature Designation:
( ) Perennial ( ) Intermittent ( ) Ephemeral (X) Blue-line on U.S.G.S. Topographic Map
(X) Natural Drainage ( ) Artificial Drainage (X) Navigable Water

Remarks: —

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Valzad | Plot ID: DP 32 (DP-2)

Project/Site: Indian Creek
Applicant/Owner: BOR/Private
Investigator(s): C. Bogos
Date: 13 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo 3
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Alnus rhombifolia	5	T	OBL
2. Pinus ponderosa	5	T	FAC
3. Salix lasiolepis	10	S	FACW
4. Rubus discolor	75	S	FACW
5. Avena chrysophylla	5	S	NL
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC: 4/5 = 80%

Remarks: Sufficient hydrophytic vegetation.

HYDROLOGY

- (X) Recorded Data (Describe in Remarks)
  - ( ) stream, lake, or tide gauge
  - (X) aerial photographs
  - ( ) other
- ( ) No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
( ) inundated	( ) oxidized root channels in upper 12"
( ) saturated in upper 12"	( ) water-stained leaves
( ) water marks	(X) local soil survey data
( ) drift lines	( ) FAC-neutral test
( ) sediment deposits	( ) other (explain in remarks)
( ) drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 217 - Xerofluvents, Riverwash complex, 0 to 2 percent slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric
Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit dig. Too rocky. Sufficient hydric soil indicators.

Hydric Soil Indicators:
- ( ) Histosol
- ( ) Histic Epipedon
- ( ) Sulfidic odor
- ( ) Aquic moisture regime
- ( ) Reducing conditions
- ( ) Concretions
- ( ) Positive alpha-alpha dipyridyl test
- ( ) Gleyed or low-chroma colors
- ( ) High organic content in surface layer in sandy soil
- ( ) Organic streaking in sandy soils
- (X) Listed on local hydric soils list
- ( ) Listed on national hydric soils list
- ( ) Other

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? Y or (N) Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point paired to previous stream (DP 32).

ACOE JURISDICTION

ACOE Jurisdiction:
( ) Adjacent to Waters ( ) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
( ) Defined Bed and Bank ( ) Scour ( ) Ordinary High Water Mark Mapped

Feature Designation:
( ) Perennial ( ) Intermittent ( ) Ephemeral ( ) Blue-line on U.S.G.S. Topographic Map
( ) Natural Drainage ( ) Artificial Drainage ( ) Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION	Comm. ID: Seasonal Wet Meadow	Plot ID: DP 34 (DP 3)

Project/Site: Indian Creek
Applicant/Owner: BOR/BLM
Investigator(s): C. Boggs
Date: 13 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? Y or N Explain: [illegible]
Is the site significantly disturbed (atypical situation)? Y or N
Is the area a potential problem area? Y or N

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Hordeum marinum	40	H	FAC
2. Elymus glaucus	20	H	FACU
3. Carex barbarae	10	H	FACW
4. Rumex sp.	5	H	FACW
5. Juncus sp.	20	H	FACW
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 4/9 = 66%

Remarks: sufficient hydrophytic vegetation

HYDROLOGY

- ☒ Recorded Data (Describe in Remarks)
  - ☐ stream, lake, or tide gauge
  - ☒ aerial photographs
  - ☐ other
- ☐ No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: 4 (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
☐ inundated	☐ oxidized root channels in upper 12"
☒ saturated in upper 12"	☒ water-stained leaves
☐ water marks	☐ local soil survey data
☐ drift lines	☐ FAC-neutral test
☒ sediment deposits	☐ other (explain in remarks)
☐ drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 114 - Trinity Creek gravelly loam, 50-75% slopes
Taxonomy (Subgroup): Ultic Haploxeralfs
Hydric Status on NRCS Field Office List: Non-hydric
Drainage Class: Well
Field Observations Confirm Mapped Type? Y N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-2"	O	10YR 2/1	N/A	N/A	chunky loam
2-10"	-	10YR 4/2	N/A	N/A	clay loam
10-14"	-	10YR 5/3	7.5YR 4/4	very common	clay loam

Remarks: Sufficient hydric soils indicator

Hydric Soil Indicators:
- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic odor
- ☐ Aquic moisture regime
- ☐ Reducing conditions
- ☐ Concretions
- ☐ Positive alpha-alpha dipyridyl test
- ☒ Gleyed or low-chroma colors
- ☐ High organic content in surface layer in sandy soil
- ☐ Organic streaking in sandy soils
- ☐ Listed on local hydric soils list
- ☐ Listed on national hydric soils list
- ☐ Other

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or N Wetland Hydrology Present? Y or N Hydric Soils Present? Y or N
Is this point within a wetland? Y or N Is this point within an "Other waters of the U.S."? Y or N (If yes, complete bottom of form)

Remarks:

ACOE JURISDICTION

ACOE Jurisdiction:
☐ Adjacent to Waters ☐ Tributary to Waters ☐ Isolated (with Interstate Commerce) ☐ Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
☐ Defined Bed and Bank ☐ Scour ☐ Ordinary High Water Mark Mapped

Feature Designation:
☐ Perennial ☐ Intermittent ☐ Ephemeral ☐ Blue-line on U.S.G.S. Topographic Map
☐ Natural Drainage ☐ Artificial Drainage ☐ Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Upland | Plot ID: DP 35 (DP 4)

Project/Site: Indian Creek | Date: 12 April 2005
Applicant/Owner: BOR/BLM | County: [illegible]
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? Y or N Explain: [illegible]
Is the site significantly disturbed (atypical situation)? Y or N
Is the area a potential problem area? Y or N

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Carex vulpinoidea	60	H	FACW
2. Elymus glaucus	50	H	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 1/2 = 50%

Remarks: Insufficient hydrophytic vegetation

HYDROLOGY

- ☐ Recorded Data (Describe in Remarks)
  - ☐ stream, lake, or tide gauge
  - ☐ aerial photographs
  - ☐ other
- ☐ No Recorded data available

Field Observation:

Depth of Surface Water: None (in.)

Depth to Free Water in Pit: None (in.)

Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
☐ inundated	☐ oxidized root channels in upper 12"
☐ saturated in upper 12"	☐ water-stained leaves
☐ water marks	☐ local soil survey data
☐ drift lines	☐ FAC-neutral test
☐ sediment deposits	☐ other (explain in remarks)
☐ drainage patterns in wetlands	

Remarks: No wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 114 - Brown Creek gravelly loam 50-75% slopes
Taxonomy (Subgroup): [illegible]
Hydric Status on NRCS Field Office List: Non hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? Y N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-10"	—	[illegible]	N/A	n/a	cobbly [illegible]

Remarks: No hydric soils indicators.

Hydric Soil Indicators:

- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic odor
- ☐ Aquic moisture regime
- ☐ Reducing conditions
- ☐ Concretions
- ☐ Positive alpha-alpha dipyridyl test
- ☐ Gleyed or low-chroma colors
- ☐ High organic content in surface layer in sandy soil
- ☐ Organic streaking in sandy soils
- ☐ Listed on local hydric soils list
- ☐ Listed on national hydric soils list
- ☐ Other

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or N Wetland Hydrology Present? Y or N Hydric Soils Present? Y or N
Is this point within a wetland? Y or N Is this point within an "Other waters of the U.S."? Y or N (If yes, complete bottom of form)

Remarks: Upland data point [illegible] to seasonal wet meadow (DP 44).

ACOE JURISDICTION

ACOE Jurisdiction:
☐ Adjacent to Waters ☐ Tributary to Waters ☐ Isolated (with Interstate Commerce) ☐ Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
☐ Defined Bed and Bank ☐ Scour ☐ Ordinary High Water Mark Mapped

Feature Designation:
☐ Perennial ☐ Intermittent ☐ Ephemeral ☐ Blue-line on U.S.G.S. Topographic Map
☐ Natural Drainage ☐ Artificial Drainage ☐ Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Perennial Stream | Plot ID: DP 36 (DP 5)

Project/Site: Indian Creek | Date: 13 April 2005
Applicant/Owner: BLM | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: Plots 38
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Alnus rhombifolia	20	T	OBL
2. Salix lasiolepis	20	S	OBL
3. Elymus glaucus	30	H	FACU
4. Alnus [illegible]	30	H	FAC
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 2/4 = 75%

Remarks: [illegible] OBL/WM

HYDROLOGY

(Y) Recorded Data (Describe in Remarks)
( ) stream, lake, or tide gauge
(Y) aerial photographs
( ) other

( ) No Recorded data available

Field Observation:

Depth of Surface Water: None (in.)

Depth to Free Water in Pit: None (in.)

Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
( ) inundated (during some years)	( ) oxidized root channels in upper 12"
( ) saturated in upper 12" (during some years)	( ) water-stained leaves
( ) water marks	(Y) local soil survey data
(Y) drift lines	( ) FAC-neutral test
(Y) sediment deposits	( ) other (explain in remarks)
(Y) drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 213 - Kelseyville-Pleasant Valley complex, 0-5% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-10"	—	Neutral white	N/A	N/A	Sandy

Remarks: Sufficient hydric soil indicators.

Hydric Soil Indicators:

- ( ) Histosol
- ( ) Histic Epipedon
- ( ) Sulfidic odor
- ( ) Aquic moisture regime
- ( ) Reducing conditions
- ( ) Concretions
- ( ) Positive alpha-alpha dipyridyl test
- ( ) Gleyed or low-chroma colors
- ( ) High organic content in surface layer in sandy soil
- ( ) Organic streaking in sandy soils
- (Y) Listed on local hydric soils list
- ( ) Listed on national hydric soils list
- (Y) Other Frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? (Y) or N (If yes, complete bottom of form)

Remarks: Trinity River is a perennial stream.

ACOE JURISDICTION

ACOE Jurisdiction:
( ) Adjacent to Waters ( ) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
(X) Defined Bed and Bank (X) Scour (X) Ordinary High Water Mark Mapped

Feature Designation:
(X) Perennial ( ) Intermittent ( ) Ephemeral (X) Blue-line on U.S.G.S. Topographic Map
(X) Natural Drainage ( ) Artificial Drainage (X) Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Upland | Plot ID: UP 32 (DP 6)

Project/Site: Julian Creek
Applicant/Owner: BLM
Investigator(s): J. Boggs

Date: 12 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? (Y) or N Explain: [illegible]
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Quercus chrysolepis	10	T	NL
2. Rhus trilobata	35	S	NL
3. Rubus discolor	30	S	FACW*
4. Elymus glaucus	15	H	FACU
5. Vulpia myuros	20	H	NL
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC: 1/2 = 50%

Remarks: Insufficient hydrophytic vegetation

HYDROLOGY

- [x] Recorded Data (Describe in Remarks)
  - [ ] stream, lake, or tide gauge
  - [x] aerial photographs
  - [ ] other
- [ ] No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
[ ] Inundated	[ ] oxidized root channels in upper 12"
[ ] saturated in upper 12"	[ ] water-stained leaves
[ ] water marks	[x] local soil survey data
[ ] drift lines	[ ] FAC-neutral test
[ ] sediment deposits	[ ] other (explain in remarks)
[ ] drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 217 - Xerofluvents-Fluvaquents complex, 0-5%
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-12	—	10YR 3/2	N/A	N/A	Sandy loam

Remarks: Sufficient hydric soils indicators.

Hydric Soil Indicators:
- [ ] Histosol
- [ ] Histic Epipedon
- [ ] Sulfidic odor
- [ ] Aquic moisture regime
- [ ] Reducing conditions
- [ ] Concretions
- [ ] Positive alpha-alpha dipyridyl test
- [ ] Gleyed or low-chroma colors
- [ ] High organic content in surface layer in sandy soil
- [ ] Organic streaking in sandy soils
- [x] Listed on local hydric soils list
- [ ] Listed on national hydric soils list
- [ ] Other

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or (N) Wetland Hydrology Present? Y or (N) Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point paired to perennial stream (WT 36).

ACOE JURISDICTION

ACOE Jurisdiction:
- [ ] Adjacent to Waters
- [ ] Tributary to Waters
- [ ] Isolated (with Interstate Commerce)
- [ ] Isolated (non-jurisdictional)

Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
- [ ] Defined Bed and Bank
- [ ] Scour
- [ ] Ordinary High Water Mark Mapped

Feature Designation:
- [ ] Perennial
- [ ] Intermittent
- [ ] Ephemeral
- [ ] Blue-line on U.S.G.S. Topographic Map
- [ ] Natural Drainage
- [ ] Artificial Drainage
- [ ] Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Corrm. ID: [illegible] Plot ID: D238 (DP 7)

Project/Site: [illegible] Date: 13 April 2005
Applicant/Owner: [illegible] County: [illegible]
Investigator(s): [illegible] C. Boggs State: California

Do normal circumstances exist on the site? (Y) or N Explain: [illegible]
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC N/A

Remarks: [illegible]

HYDROLOGY

- [x] Recorded Data (Describe in Remarks)
  - [ ] stream, lake, or tide gauge
  - [x] aerial photographs
  - [ ] other
- [ ] No Recorded data available

Field Observation:

Depth of Surface Water: 1 (in.)

Depth to Free Water in Pit: N/A (in.)

Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
[x] inundated	[ ] oxidized root channels in upper 12"
[x] saturated in upper 12"	[x] water-stained leaves
[ ] water marks	[ ] local soil survey data
[x] drift lines	[ ] FAC-neutral test
[x] sediment deposits	[ ] other (explain in remarks)
[x] drainage patterns in wetlands	

Remarks: Subject site wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): [illegible] Drainage Class: [illegible]
Taxonomy (Subgroup): [illegible] Field Observations Confirm Mapped Type? (Y) N UNK
Hydric Status on NRCS Field Office List: [illegible]

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: [illegible]

Hydric Soil Indicators:

- [ ] Histosol
- [ ] Histic Epipedon
- [ ] Sulfidic odor
- [ ] Aquic moisture regime
- [ ] Reducing conditions
- [ ] Concretions
- [ ] Positive alpha-alpha dipyridyl test
- [ ] Gleyed or low-chroma colors
- [ ] High organic content in surface layer in sandy soil
- [ ] Organic streaking in sandy soils
- [ ] Listed on local hydric soils list
- [ ] Listed on national hydric soils list
- [x] Other Frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or (N) Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? (Y) or N (If yes, complete bottom of form)

Remarks: [illegible]

ACOE JURISDICTION

ACOE Jurisdiction:
- [ ] Adjacent to Waters
- [ ] Tributary to Waters
- [ ] Isolated (with Interstate Commerce)
- [x] Isolated (non-jurisdictional)

Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
- [x] Defined Bed and Bank
- [x] Scour
- [x] Ordinary High Water Mark Mapped

Feature Designation:
- [ ] Perennial
- [x] Intermittent
- [x] Ephemeral
- [ ] Blue-line on U.S.G.S. Topographic Map
- [x] Natural Drainage
- [ ] Artificial Drainage
- [ ] Navigable Water

Remarks: [illegible]

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Upland | Plot ID: [illegible] (DP 9)

Project/Site: Indian Creek | Date: [illegible] 2005
Applicant/Owner: BLM | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: [illegible]
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Pinus ponderosa	10	T	FAC
2. Pseudotsuga menziesii	10	T	NL
3. Dryopteris	20	N/A	N/A
4. Adiantum pedatum	10	H	FACU
5. Galium aparine	20	H	FACW
6. Chaetomitrium pelliferum	10	H	FAC
7. Hypnum pallidum	10	H	NL
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 4/7 = 57%

Remarks: Insufficient hydrophytic vegetation.

HYDROLOGY

- (X) Recorded Data (Describe in Remarks)
  - ☐ stream, lake, or tide gauge
  - (X) aerial photographs
  - ☐ other
- ☐ No Recorded data available

Field Observation:

Depth of Surface Water: None (in.)
Depth to Free Water in Pit: 11 (in.)
Depth to Saturated Soil: 6 (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
☐ Inundated	☐ oxidized root channels in upper 12"
(X) saturated in upper 12"	☐ water-stained leaves
☐ water marks	☐ local soil survey data
☐ drift lines	☐ FAC-neutral test
☐ sediment deposits	☐ other (explain in remarks)
☐ drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 114 - Brannigan gravelly loam 50-75% slopes
Taxonomy (Subgroup): Typic Haploxerults
Hydric Status on NRCS Field Office List: Non-hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-6"	—	10YR 3/2	N/A	N/A	gravelly clay loam
6-12"	—	10YR 3/4	N/A	N/A	gravelly clay loam

Remarks: No hydric soil indicators.

Hydric Soil Indicators:

- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic odor
- ☐ Aquic moisture regime
- ☐ Reducing conditions
- ☐ Concretions
- ☐ Positive alpha-alpha dipyridyl test
- ☐ Gleyed or low-chroma colors
- ☐ High organic content in surface layer in sandy soil
- ☐ Organic streaking in sandy soils
- ☐ Listed on local hydric soils list
- ☐ Listed on national hydric soils list
- ☐ Other

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or (N) Wetland Hydrology Present? (Y) or N Hydric Soils Present? Y or (N)
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point [illegible] (DP 23).

ACOE JURISDICTION

ACOE Jurisdiction:
☐ Adjacent to Waters ☐ Tributary to Waters ☐ Isolated (with Interstate Commerce) ☐ Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
☐ Defined Bed and Bank ☐ Scour ☐ Ordinary High Water Mark Mapped

Feature Designation:
☐ Perennial ☐ Intermittent ☐ Ephemeral ☐ Blue-line on U.S.G.S. Topographic Map
☐ Natural Drainage ☐ Artificial Drainage ☐ Navigable Water
Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Perennial Creek | Plot ID: DP 40 (DP 9)

Project/Site: Indian Creek | Date: 14 April 2005
Applicant/Owner: BOR / CDFG | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo 40
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Alnus rhombifolia	10	T	OBL
2. Salix lasiolepis	25	S	FACW
3. Rubus discolor	25	S	FACW*
4. Cobble/sand	20	N/A	N/A
5. Lotus corniculata	10	H	NL
6. Hordeum (Anastrix) marinum	10	H	FAC
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 7/7 = 66%

Remarks: Feature is devoid of vegetation in channel due to constant scour. Remaining areas w/in OHWM.

HYDROLOGY

(X) Recorded Data (Describe in Remarks)
- ☐ stream, lake, or tide gauge
- (X) aerial photographs
- ☐ other

☐ No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
(X) inundated (w/in creek)	☐ oxidized root channels in upper 12"
(X) saturated in upper 12" (w/in creek)	☐ water-stained leaves
(X) water marks (w/in creek)	(X) local soil survey data
(X) drift lines	☐ FAC-neutral test
☐ sediment deposits	☐ other (explain in remarks)
(X) drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 217 - Xerofluvents Fluvaquents [illegible] 0-5% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit dug. Water is currently flowing [illegible] sufficient hydric soils indicators

Hydric Soil Indicators:
- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic odor
- ☐ Aquic moisture regime
- ☐ Reducing conditions
- ☐ Concretions
- ☐ Positive alpha-alpha dipyridyl test
- ☐ Gleyed or low-chroma colors
- ☐ High organic content in surface layer in sandy soil
- ☐ Organic streaking in sandy soils
- (X) Listed on local hydric soils list
- ☐ Listed on national hydric soils list
- (X) Other frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? (Y) or N (If yes, complete bottom of form)

Remarks: "Indian Creek"

ACOE JURISDICTION

ACOE Jurisdiction:
☐ Adjacent to Waters (X) Tributary to Waters ☐ Isolated (with Interstate Commerce) ☐ Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
(X) Defined Bed and Bank (X) Scour (X) Ordinary High Water Mark Mapped

Feature Designation:
(X) Perennial ☐ Intermittent ☐ Ephemeral (X) Blue-line on U.S.G.S. Topographic Map
(X) Natural Drainage ☐ Artificial Drainage ☐ Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: [illegible] | Plot ID: [illegible] (DP 10)

Project/Site: Tuolumne Creek | Date: 14 April 2005
Applicant/Owner: [illegible] | County: Tuolumne
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: [illegible] 40
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. [illegible]	70	S	FACW
2. [illegible]	70	[illegible]	FACW*
3. [illegible]	35	N/A	N/A
4. [illegible]	10	H	FAC
5. [illegible]	15	H	NL
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC: [illegible] 64%

Remarks: [illegible] hydrophytic vegetation

HYDROLOGY

(X) Recorded Data (Describe in Remarks)
( ) stream, lake, or tide gauge
(X) aerial photographs
( ) other
( ) No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
( ) inundated	( ) oxidized root channels in upper 12"
( ) saturated in upper 12"	( ) water-stained leaves
( ) water marks	(X) local soil survey data
( ) drift lines	(X) FAC-neutral test
( ) sediment deposits	( ) other (explain in remarks)
( ) drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 217 - [illegible] complex, 0-5% slopes
Taxonomy (Subgroup): [illegible]
Hydric Status on NRCS Field Office List: Hydric
Drainage Class: [illegible]
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit dug for safety [illegible]

Hydric Soil Indicators:
( ) Histosol
( ) Histic Epipedon
( ) Sulfidic odor
( ) Aquic moisture regime
( ) Reducing conditions
( ) Concretions
( ) Positive alpha-alpha dipyridyl test
( ) Gleyed or low-chroma colors
( ) High organic content in surface layer in sandy soil
( ) Organic streaking in sandy soils
(X) Listed on local hydric soils list
( ) Listed on national hydric soils list
( ) Other

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? Y or (N) Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point west of perennial creek (DP 40)

ACOE JURISDICTION

ACOE Jurisdiction:
( ) Adjacent to Waters ( ) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
( ) Defined Bed and Bank ( ) Scour ( ) Ordinary High Water Mark Mapped

Feature Designation:
( ) Perennial ( ) Intermittent ( ) Ephemeral ( ) Blue-line on U.S.G.S. Topographic Map
( ) Natural Drainage ( ) Artificial Drainage ( ) Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Perennial Stream | Plot ID: DP 42 (DP 11)

Project/Site: Indian Creek | Date: 14 April 2005
Applicant/Owner: BOF / CDFG | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photos 43-44
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Alnus chambiterra	20	T	OBL
2. Salix exigua	35	S	OBL
3. Rubus discolor	45	S	FACW*
4.			
5.			
6.			
7.			
8			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 3/3 = 100%

Remarks: Riparian vegetation is present within 0-10 m of the river

HYDROLOGY

(X) Recorded Data (Describe in Remarks)
- ☐ stream, lake, or tide gauge
- ☒ aerial photographs
- ☐ other

☐ No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
☐ inundated (within river)	☒ oxidized root channels in upper 12"
☐ saturated in upper 12" (within river)	☒ water-stained leaves
☐ water marks (within river)	☒ local soil survey data
☒ drift lines	☒ FAC-neutral test
☒ sediment deposits	☐ other (explain in remarks)
☒ drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 217 - Xerofluvents Riverwash complex, 0-5% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-14"	—	2.5Y 4/1	N/A	N/A	silty clay sand

Remarks: Sufficient hydric soils indicators

Hydric Soil Indicators:
- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic odor
- ☐ Aquic moisture regime
- ☐ Reducing conditions
- ☐ Concretions
- ☐ Positive alpha-alpha dipyridyl test
- ☒ Gleyed or low-chroma colors
- ☐ High organic content in surface layer in sandy soil
- ☐ Organic streaking in sandy soils
- ☒ Listed on local hydric soils list
- ☐ Listed on national hydric soils list
- ☒ Other frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? (Y) or N (If yes, complete bottom of form)

Remarks: Hydrophytic vegetation is dominant; however, [illegible] within [illegible] of the Trinity River.

ACOE JURISDICTION

ACOE Jurisdiction:
☐ Adjacent to Waters ☐ Tributary to Waters ☐ Isolated (with Interstate Commerce) ☐ Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
☐ Defined Bed and Bank (within river) ☐ Scour (within river) ☒ Ordinary High Water Mark Mapped

Feature Designation:
☒ Perennial ☐ Intermittent ☐ Ephemeral ☒ Blue-line on U.S.G.S. Topographic Map
☒ Natural Drainage ☐ Artificial Drainage ☒ Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION	Comm. ID: Upland	Plot ID: UP 43 (DP 12)

Project/Site: Indian Creek
Applicant/Owner: BLM / CFFG
Investigator(s): C. Boggs
Date: 4 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo 44
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Salix lasiolepis	30	S	FACW
2. Salix exigua	20	S	OBL
3. Rubus discolor	40	S	FACW
4. Pinus ponderosa	10	T	FAC
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 7/7 = 100%

Remarks: Sufficient hydrophytic vegetation

HYDROLOGY

- [x] Recorded Data (Describe in Remarks)
  - [ ] stream, lake, or tide gauge
  - [x] aerial photographs
  - [ ] other
- [ ] No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
☐ inundated	☐ oxidized root channels in upper 12"
☐ saturated in upper 12"	☐ water-stained leaves
☐ water marks	☐ local soil survey data
☐ drift lines	(x) FAC-neutral test
☐ sediment deposits	☐ other (explain in remarks)
☐ drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 102 - Xerithrents - Alter Dumps Dredge Tailings complex 2-9% slopes
Taxonomy (Subgroup): Xerithrents
Hydric Status on NRCS Field Office List: Non-hydric w/hydric inclusions
Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-12"	—	2.5Y 4/2	N/A	N/A	silty sand

Remarks: No hydric soils indicators.

Hydric Soil Indicators:
- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic odor
- ☐ Aquic moisture regime
- ☐ Reducing conditions
- ☐ Concretions
- ☐ Positive alpha-alpha dipyridyl test
- ☐ Gleyed or low-chroma colors
- ☐ High organic content in surface layer in sandy soil
- ☐ Organic streaking in sandy soils
- ☐ Listed on local hydric soils list
- ☐ Listed on national hydric soils list
- ☐ Other

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? Y or (N) Hydric Soils Present? Y or (N)
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point placed to perennial stream (TIP 42)

ACOE JURISDICTION

ACOE Jurisdiction:
☐ Adjacent to Waters ☐ Tributary to Waters ☐ Isolated (with Interstate Commerce) ☐ Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
☐ Defined Bed and Bank ☐ Scour ☐ Ordinary High Water Mark Mapped

Feature Designation:
☐ Perennial ☐ Intermittent ☐ Ephemeral ☐ Blue-line on U.S.G.S. Topographic Map
☐ Natural Drainage ☐ Artificial Drainage ☐ Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Riparian Wetland | Plot ID: DP 44 (DP 13)

Project/Site: Indian Creek | Date: 14 April 2005
Applicant/Owner: BOR / BLM | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo 45
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Open water	45	N/A	N/A
2. Salix lasiolepis	35	S	FACW
3. Rubus discolor	15	S	FACW
4. Pilularia americana	5	H	OBL
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 75 [illegible]

Remarks: Sufficient hydrophytic vegetation

HYDROLOGY

- [x] Recorded Data (Describe in Remarks)
  - [ ] stream, lake, or tide gauge
  - [x] aerial photographs
  - [ ] other _____
- [ ] No Recorded data available

Field Observation:
Depth of Surface Water: 6 (in.)
Depth to Free Water in Pit: 0 (in.)
Depth to Saturated Soil: 0 (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
[x] inundated	[x] oxidized root channels in upper 12"
[x] saturated in upper 12"	[x] water-stained leaves
[ ] water marks	[x] local soil survey data
[ ] drift lines	[x] FAC-neutral test
[x] sediment deposits	[ ] other (explain in remarks)
[ ] drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 217 Xerofluvents, Riverwash complex, 0-5% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-4	—	2.5 [illegible]	N/A	N/A	Silty clay sand
>4	—	—	—	—	rock

Remarks: Sufficient hydric soils indicators

Hydric Soil Indicators:
- [ ] Histosol
- [ ] Histic Epipedon
- [ ] Sulfidic odor
- [ ] Aquic moisture regime
- [ ] Reducing conditions
- [ ] Concretions
- [ ] Positive alpha-alpha dipyridyl test
- [x] Gleyed or low-chroma colors
- [ ] High organic content in surface layer in sandy soil
- [ ] Organic streaking in sandy soils
- [x] Listed on local hydric soils list
- [ ] Listed on national hydric soils list
- [x] Other Frequently ponded

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? (Y) or N Is this point within an "Other waters of the U.S."? Y or (N) (if yes, complete bottom of form)

Remarks: Depression with standing water and riparian vegetation

ACOE JURISDICTION

ACOE Jurisdiction:
[x] Adjacent to Waters [ ] Tributary to Waters [ ] Isolated (with Interstate Commerce) [ ] Isolated (non-jurisdictional)
Explain: Adjacent to Trinity River

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
[ ] Defined Bed and Bank [ ] Scour [ ] Ordinary High Water Mark Mapped

Feature Designation:
[ ] Perennial [ ] Intermittent [ ] Ephemeral [ ] Blue-line on U.S.G.S. Topographic Map
[ ] Natural Drainage [ ] Artificial Drainage [ ] Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Upland | Plot ID: DP 45 (DP 14)

Project/Site: Indian Creek | Date: 14 April 2005
Applicant/Owner: BOR / BLM | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo 45
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Pinus ponderosa	35	T	FACU
2. Salix lasiolepis	30	S	FACW
3. Duff / litter	20	N/A	N/A
4. Rubus discolor	15	S	FACW*
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 1/2 = 50%

Remarks: Insufficient hydrophytic vegetation.

HYDROLOGY

- [x] Recorded Data (Describe in Remarks)
  - [ ] stream, lake, or tide gauge
  - [x] aerial photographs
  - [ ] other
- [ ] No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
[ ] inundated	[ ] oxidized root channels in upper 12"
[ ] saturated in upper 12"	[ ] water-stained leaves
[ ] water marks	[x] local soil survey data
[ ] drift lines	[ ] FAC-neutral test
[ ] sediment deposits	[ ] other (explain in remarks)
[ ] drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 217 - Xerothrents Riverwash complex, 0-5% slopes
Taxonomy (Subgroup): Xerothrents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-12"	—	2.5Y 4/2	N/A	N/A	silty sand

Remarks: Sufficient hydric soils indicator.

Hydric Soil Indicators:
- [ ] Histosol
- [ ] Histic Epipedon
- [ ] Sulfidic odor
- [ ] Aquic moisture regime
- [ ] Reducing conditions
- [ ] Concretions
- [ ] Positive alpha-alpha dipyridyl test
- [ ] Gleyed or low-chroma colors
- [ ] High organic content in surface layer in sandy soil
- [ ] Organic streaking in sandy soils
- [x] Listed on local hydric soils list
- [ ] Listed on national hydric soils list
- [ ] Other

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or (N) Wetland Hydrology Present? Y or (N) Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point placed to riparian wetland (DP 44).

ACOE JURISDICTION

ACOE Jurisdiction:
[ ] Adjacent to Waters [ ] Tributary to Waters [ ] Isolated (with Interstate Commerce) [ ] Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
[ ] Defined Bed and Bank [ ] Scour [ ] Ordinary High Water Mark Mapped

Feature Designation:
[ ] Perennial [ ] Intermittent [ ] Ephemeral [ ] Blue-line on U.S.G.S. Topographic Map
[ ] Natural Drainage [ ] Artificial Drainage [ ] Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Perennial Stream | Plot ID: [illegible] 46 (DP 15)

Project/Site: Indian Creek
Applicant/Owner: [illegible]
Investigator(s): C. Boggs
Date: 14 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo #8
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Alnus rhombifolia	25	T	OBL
2. Salix lasiolepis	15	S	FACW
3. Rubus discolor	55	S	FACW*
4. Artemisia douglasiana	5	H	FACW
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 2/2 = 100%

Remarks: Riparian vegetation occurs within 0-4 WM of the river

HYDROLOGY

(X) Recorded Data (Describe in Remarks)
- ☐ stream, lake, or tide gauge
- (X) aerial photographs
- ☐ other _____

☐ No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
☐ inundated (within river)	☐ oxidized root channels in upper 12"
☐ saturated in upper 12" (within river)	☐ water-stained leaves
☐ water marks (within river)	(X) local soil survey data
(X) drift lines	(X) FAC-neutral test
(X) sediment deposits	☐ other (explain in remarks)
(X) drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 217 - Xerofluvents - Riverwash complex, 0-5% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric
Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-12"	--	2.5Y 4/2	N/A	N/A	silty sand

Remarks: Sufficient hydric soils indicators

Hydric Soil Indicators:
- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic odor
- ☐ Aquic moisture regime
- ☐ Reducing conditions
- ☐ Concretions
- ☐ Positive alpha-alpha dipyridyl test
- ☐ Gleyed or low-chroma colors
- ☐ High organic content in surface layer in sandy soil
- ☐ Organic streaking in sandy soils
- (X) Listed on local hydric soils list
- ☐ Listed on national hydric soils list
- (X) Other Frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? (Y) or N (If yes, complete bottom of form)

Remarks: Trinity River

ACOE JURISDICTION

ACOE Jurisdiction:
☐ Adjacent to Waters ☐ Tributary to Waters ☐ Isolated (with Interstate Commerce) ☐ Isolated (non-jurisdictional)
Explain: See below

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
☐ Defined Bed and Bank (within river) ☐ Scour (within river) (X) Ordinary High Water Mark Mapped

Feature Designation:
(X) Perennial ☐ Intermittent ☐ Ephemeral (X) Blue-line on U.S.G.S. Topographic Map
(X) Natural Drainage ☐ Artificial Drainage (X) Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Upland | Plot ID: DP 47 (DP 16)

Project/Site: Indian Creek | Date: 14 April 2005
Applicant/Owner: BOR/BLM | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? Y or N Explain: Thru 48
Is the site significantly disturbed (atypical situation)? Y or N
Is the area a potential problem area? Y or N

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Plantago lanceolata	20	H	FAC-
2. Poa bulbosa	20	H	NL
3. Linaria genistifolia	20	H	NL
4. Centaurea solstitialis	20	H	NL
5. Bromus tectorum	20	H	NL
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 0/5 = 0%

Remarks: No hydrophytes present.

HYDROLOGY

- [x] Recorded Data (Describe in Remarks)
  - [ ] stream, lake, or tide gauge
  - [x] aerial photographs
  - [ ] other
- [ ] No Recorded data available

Field Observation:

Depth of Surface Water: None (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
[ ] inundated	[ ] oxidized root channels in upper 12"
[ ] saturated in upper 12"	[ ] water-stained leaves
[ ] water marks	[x] local soil survey data
[ ] drift lines	[ ] FAC-neutral test
[ ] sediment deposits	[ ] other (explain in remarks)
[ ] drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 218 - Xerofluvents - Fluvwash complex, 0-5% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class:
Field Observations Confirm Mapped Type? Y N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit dug. Too rocky. Sufficient hydric soils indicator.

Hydric Soil Indicators:

- [ ] Histosol
- [ ] Histic Epipedon
- [ ] Sulfidic odor
- [ ] Aquic moisture regime
- [ ] Reducing conditions
- [ ] Concretions
- [ ] Positive alpha-alpha dipyridyl test
- [ ] Gleyed or low-chroma colors
- [ ] High organic content in surface layer in sandy soil
- [ ] Organic streaking in sandy soils
- [x] Listed on local hydric soils list
- [ ] Listed on national hydric soils list
- [ ] Other

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or N Wetland Hydrology Present? Y or N Hydric Soils Present? Y or N
Is this point within a wetland? Y or N Is this point within an "Other waters of the U.S."? Y or N (If yes, complete bottom of form)

Remarks: Upland data point pointed to perennial stream (DP 46)

ACOE JURISDICTION

ACOE Jurisdiction:
[ ] Adjacent to Waters [ ] Tributary to Waters [ ] Isolated (with Interstate Commerce) [ ] Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
[ ] Defined Bed and Bank [ ] Scour [ ] Ordinary High Water Mark Mapped

Feature Designation:
[ ] Perennial [ ] Intermittent [ ] Ephemeral [ ] Blue-line on U.S.G.S. Topographic Map
[ ] Natural Drainage [ ] Artificial Drainage [ ] Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: [illegible] Wetland | Plot ID: DP 18 (DP 17)

Project/Site: Indian Creek | Date: 14 April 2005
Applicant/Owner: BCR/Bu[illegible] | County: Trinity
Investigator(s): [illegible], C. Bogan | State: California

Do normal circumstances exist on the site? (Y) or N Explain: [illegible]
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Salix lasiolepis	30	S	FACW
2. Rosa californica	20	S	FACU
3. Carex barbarae	50	H	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 3/3 = 100%

Remarks: Sufficient hydrophytic vegetation.

HYDROLOGY

(X) Recorded Data (Describe in Remarks)
( ) stream, lake, or tide gauge
(X) aerial photographs
( ) other _____
( ) No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: 5 (in.)
Depth to Saturated Soil: 4 (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
(X) Inundated	( ) oxidized root channels in upper 12"
(X) saturated in upper 12"	(X) water-stained leaves
( ) water marks	( ) local soil survey data
( ) drift lines	(X) FAC-neutral test
(X) sediment deposits	( ) other (explain in remarks)
( ) drainage patterns in wetlands	

Remarks: Standing water is present in lowest areas of swales. Sufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 102 - Kenwood - Atterdag, Steep 12-15% slopes
Taxonomy (Subgroup): Xerollvents
Hydric Status on NRCS Field Office List: Non-hydric w/ hydric inclusions
Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-12	—	Black	N/A	N/A	Sandy
		[illegible]			
		[illegible]			

Remarks: Sufficient hydric soils indicators.

Hydric Soil Indicators:
( ) Histosol
( ) Histic Epipedon
( ) Sulfidic odor
( ) Aquic moisture regime
( ) Reducing conditions
( ) Concretions
( ) Positive alpha-alpha dipyridyl test
(X) Gleyed or low-chroma colors
(X) High organic content in surface layer in sandy soil
( ) Organic streaking in sandy soils
( ) Listed on local hydric soils list
( ) Listed on national hydric soils list
(X) Other: Frequently ponded

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? (Y) or N Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Depression within fields that exhibits all 3 wetland indicators.

ACOE JURISDICTION

ACOE Jurisdiction:
(X) Adjacent to Waters ( ) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain: Adjacent to Trinity River

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
( ) Defined Bed and Bank ( ) Scour ( ) Ordinary High Water Mark Mapped

Feature Designation:
( ) Perennial ( ) Intermittent ( ) Ephemeral ( ) Blue-line on U.S.G.S. Topographic Map
( ) Natural Drainage ( ) Artificial Drainage ( ) Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Upland | Plot ID: DP 49 (DP 1N)

Project/Site: Swing Creek | Date: 19 April 2005
Applicant/Owner: BLM | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: [illegible]
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Carex barbarae	40	H	FACW
2. Salix lasiolepis	20	S	FACW
3. Arbutus menziesii	5	T	NL
4. Quercus chrysolepis	5	T	NL
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC: 1/2 = 100%

Remarks: Sufficient hydrophytic vegetation.

HYDROLOGY

(X) Recorded Data (Describe in Remarks)
( ) stream, lake, or tide gauge
(X) aerial photographs
( ) other
( ) No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
( ) inundated	( ) oxidized root channels in upper 12"
( ) saturated in upper 12"	( ) water-stained leaves
( ) water marks	( ) local soil survey data
( ) drift lines	(X) FAC-neutral test
( ) sediment deposits	( ) other (explain in remarks)
( ) drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 102 - Xerofluvents, Hot, Dry, Steep Terrain
Taxonomy (Subgroup): Xerofluvents, Coarse, 2-15% slopes
Hydric Status on NRCS Field Office List: Non-hydric w/ hydric inclusions
Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-12"	—	Natural matrix (2.5Y 6/2)	N/A	N/A	Sandy

Remarks: No hydric soils indicators.

Hydric Soil Indicators:
( ) Histosol
( ) Histic Epipedon
( ) Sulfidic odor
( ) Aquic moisture regime
( ) Reducing conditions
( ) Concretions
( ) Positive alpha-alpha dipyridyl test
( ) Gleyed or low-chroma colors
( ) High organic content in surface layer in sandy soil
( ) Organic streaking in sandy soils
( ) Listed on local hydric soils list
( ) Listed on national hydric soils list
( ) Other

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? Y or (N) Hydric Soils Present? Y or (N)
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point paired to riparian wetland (DP 48).

ACOE JURISDICTION

ACOE Jurisdiction:
( ) Adjacent to Waters ( ) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
( ) Defined Bed and Bank ( ) Scour ( ) Ordinary High Water Mark Mapped

Feature Designation:
( ) Perennial ( ) Intermittent ( ) Ephemeral ( ) Blue-line on U.S.G.S. Topographic Map
( ) Natural Drainage ( ) Artificial Drainage ( ) Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Intermittent Creek | Plot ID: [illegible] (DP 19)

Project/Site: Indian Creek | Date: 14 April 2005
Applicant/Owner: [illegible] | County: Trinity
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: Page 51
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Flowing water/cobble	70	n/A	n/A
2. [illegible]			
3. Cyperus sp.	5	H	FACW
4. Lotus corniculatus	5	H	FAC
5. Mentha pulegium	10	H	FACW
6. Hordeum (Hordeum) [illegible]	10	H	FAC
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC: n/A

Remarks: Feature is mostly devoid of vegetation due to scouring action of water during inundation.

HYDROLOGY

- (X) Recorded Data (Describe in Remarks)
  - ( ) stream, lake, or tide gauge
  - (X) aerial photographs
  - ( ) other
- ( ) No Recorded data available

Field Observation:

Depth of Surface Water: 3 (in.)

Depth to Free Water in Pit: n/A (in.)

Depth to Saturated Soil: n/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
(X) Inundated	( ) oxidized root channels in upper 12"
(X) saturated in upper 12"	( ) water-stained leaves
( ) water marks	(X) local soil survey data
(X) drift lines	( ) FAC-neutral test
(X) sediment deposits	( ) other (explain in remarks)
(X) drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 212 - Vorbeck-Rumsey complex, 0-5% slopes
Taxonomy (Subgroup): Xerorthents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit dug. Too rocky.

Hydric Soil Indicators:
- ( ) Histosol
- ( ) Histic Epipedon
- ( ) Sulfidic odor
- ( ) Aquic moisture regime
- ( ) Reducing conditions
- ( ) Concretions
- ( ) Positive alpha-alpha dipyridyl test
- ( ) Gleyed or low-chroma colors
- ( ) High organic content in surface layer in sandy soil
- ( ) Organic streaking in sandy soils
- (X) Listed on local hydric soils list
- ( ) Listed on national hydric soils list
- (X) Other: Frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or (N) Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? (Y) or N Is this point within an "Other waters of the U.S."? (Y) or N (If yes, complete bottom of form)

Remarks: Feature is approximately 4' wide and is a [illegible] channel of Indian Creek.

ACOE JURISDICTION

ACOE Jurisdiction:
( ) Adjacent to Waters (X) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain: See below

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
(X) Defined Bed and Bank (X) Scour (X) Ordinary High Water Mark Mapped

Feature Designation:
( ) Perennial (X) Intermittent ( ) Ephemeral ( ) Blue-line on U.S.G.S. Topographic Map
(X) Natural Drainage ( ) Artificial Drainage ( ) Navigable Water

Remarks: This feature flows into the Trinity River.

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Upland | Plot ID: DP 5A (DP 2A)

Project/Site: Indian Creek
Applicant/Owner: BOR/BLM
Investigator(s): C. Boggs

Date: 14 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? (Y) or N Explain: Wet 5A
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Salix lasiolepis	25	S	FACW
2. Salix exigua	20	S	OBL
3. Rubus discolor	45	S	FACW
4. Lathyrus latifolius	10	H	NL
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 3/3 = 100%

Remarks: Sufficient hydrophytic vegetation.

HYDROLOGY

- (X) Recorded Data (Describe in Remarks)
  - ( ) stream, lake, or tide gauge
  - (X) aerial photographs
  - ( ) other
- ( ) No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: None (in.)
Depth to Saturated Soil: Not Saturated (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
( ) inundated	( ) oxidized root channels in upper 12"
( ) saturated in upper 12"	( ) water-stained leaves
( ) water marks	( ) local soil survey data
( ) drift lines	(X) FAC-neutral test
( ) sediment deposits	( ) other (explain in remarks)
( ) drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 102 - Vendlands - Atlas, Scupa, Badge Silt Loams
Taxonomy (Subgroup): Xerollvents
Complex, 2-15% slopes
Hydric Status on NRCS Field Office List: Non-hydric w/ hydric inclusions

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.
0-12"	—	Native matrix (~2.5Y 7/2)	N/A	N/A	Sandy

Remarks: No hydric soils indicators

Hydric Soil Indicators:
- ( ) Histosol
- ( ) Histic Epipedon
- ( ) Sulfidic odor
- ( ) Aquic moisture regime
- ( ) Reducing conditions
- ( ) Concretions
- ( ) Positive alpha-alpha dipyridyl test
- ( ) Gleyed or low-chroma colors
- ( ) High organic content in surface layer in sandy soil
- ( ) Organic streaking in sandy soils
- ( ) Listed on local hydric soils list
- ( ) Listed on national hydric soils list
- ( ) Other

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? Y or (N) Hydric Soils Present? Y or (N)
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point paired to intermittent creek (DP 5A).

ACOE JURISDICTION

ACOE Jurisdiction:
( ) Adjacent to Waters ( ) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
( ) Defined Bed and Bank ( ) Scour ( ) Ordinary High Water Mark Mapped

Feature Designation:
( ) Perennial ( ) Intermittent ( ) Ephemeral ( ) Blue-line on U.S.G.S. Topographic Map
( ) Natural Drainage ( ) Artificial Drainage ( ) Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Bigger / Fresh Pond Wetland | Plot ID: 95 52 (DP 21)

Project/Site: Park Creek | Date: 15 April 2005
Applicant/Owner: BOR/SCM | County: Trinity
Investigator(s): Jill C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo 52
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Salix exigua	20	S	OBL
2. Typha latifolia	20	H	OBL
3. Potamogeton spp.	20	H	OBL
4. Open Water	40	N/A	N/A
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 75 = 100%

Remarks: All obligate wetland plants present

HYDROLOGY

- (X) Recorded Data (Describe in Remarks)
  - ( ) stream, lake, or tide gauge
  - (X) aerial photographs
  - ( ) other
- ( ) No Recorded data available

Field Observation:

Depth of Surface Water: >6 (in.)

Depth to Free Water in Pit: N/A (in.)

Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
(X) inundated	( ) oxidized root channels in upper 12"
(X) saturated in upper 12"	(X) water-stained leaves
(X) water marks	( ) local soil survey data
( ) drift lines	(X) FAC-neutral test
(X) sediment deposits	( ) other (explain in remarks)
( ) drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 102 Xerofluvents-Aquic Fluvents, loamy, 0-2% slopes
Taxonomy (Subgroup): Xerofluvents, coarse-loamy, 2-8% slopes
Hydric Status on NRCS Field Office List: Non-hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit dug. Too rocky. Soil level hydric [illegible]

Hydric Soil Indicators:

- ( ) Histosol
- ( ) Histic Epipedon
- ( ) Sulfidic odor
- ( ) Aquic moisture regime
- ( ) Reducing conditions
- ( ) Concretions
- ( ) Positive alpha-alpha dipyridyl test
- ( ) Gleyed or low-chroma colors
- ( ) High organic content in surface layer in sandy soil
- ( ) Organic streaking in sandy soils
- ( ) Listed on local hydric soils list
- ( ) Listed on national hydric soils list
- (X) Other Frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? (Y) or N Hydric Soils Present? (Y) or N
Is this point within a wetland? (Y) or N Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Depression w/ no fringe.

ACOE JURISDICTION

ACOE Jurisdiction:
(X) Adjacent to Waters ( ) Tributary to Waters ( ) Isolated (with Interstate Commerce) ( ) Isolated (non-jurisdictional)
Explain: Adjacent to Trinity River

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
( ) Defined Bed and Bank ( ) Scour ( ) Ordinary High Water Mark Mapped

Feature Designation:
( ) Perennial ( ) Intermittent ( ) Ephemeral ( ) Blue-line on U.S.G.S. Topographic Map
( ) Natural Drainage ( ) Artificial Drainage ( ) Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Wetland | Plot ID: DP 53 (DP 22)

Project/Site: Oak Gulch
Applicant/Owner: BOR / BLM
Investigator(s): C. Boggs
Date: 15 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo 52
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Salix exigua	20	S	OBL
2. Salix lasiolepis	10	S	FACW
3. Mentha pulegium	10	H	OBL
4. Cobble/gravel	60	N/A	N/A
5.			
6.			
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC ≥ 100%

Remarks: Sufficient hydrophytic vegetation.

HYDROLOGY

(Y) Recorded Data (Describe in Remarks)
- ☐ stream, lake, or tide gauge
- (X) aerial photographs
- ☐ other

☐ No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
☐ inundated	☐ oxidized root channels in upper 12"
☐ saturated in upper 12"	☐ water-stained leaves
☐ water marks	☐ local soil survey data
☐ drift lines	(X) FAC-neutral test
☐ sediment deposits	☐ other (explain in remarks)
☐ drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 102 - Xerofluvents - Atter, Dunn, Wedge Tailings
Taxonomy (Subgroup): Xerofluvents, Cowlitz, 2-7% slopes
Hydric Status on NRCS Field Office List: Nonhydric w/ hydric inclusions

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit dug. Too rocky. No hydric soils indicators.

Hydric Soil Indicators:
- ☐ Histosol
- ☐ Histic Epipedon
- ☐ Sulfidic odor
- ☐ Aquic moisture regime
- ☐ Reducing conditions
- ☐ Concretions
- ☐ Positive alpha-alpha dipyridyl test
- ☐ Gleyed or low-chroma colors
- ☐ High organic content in surface layer in sandy soil
- ☐ Organic streaking in sandy soils
- ☐ Listed on local hydric soils list
- ☐ Listed on national hydric soils list
- ☐ Other

WETLAND DETERMINATION

Hydrophytic vegetation present? (Y) or N Wetland Hydrology Present? Y or (N) Hydric Soils Present? Y or (N)
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (if yes, complete bottom of form)

Remarks: Upland data point placed riparian/fresh emergent wetland (DP 53)

ACOE JURISDICTION

ACOE Jurisdiction:
☐ Adjacent to Waters ☐ Tributary to Waters ☐ Isolated (with Interstate Commerce) ☐ Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
☐ Defined Bed and Bank ☐ Scour ☐ Ordinary High Water Mark Mapped

Feature Designation:
☐ Perennial ☐ Intermittent ☐ Ephemeral ☐ Blue-line on U.S.G.S. Topographic Map
☐ Natural Drainage ☐ Artificial Drainage ☐ Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Perennial Stream | Plot ID: OP 54 (DP 25)

Project/Site: Dark Gulch
Applicant/Owner: BLM / Private
Investigator(s): C. Boggs

Date: 15 April 2005
County: Trinity
State: California

Do normal circumstances exist on the site? Y or N Explain: Photo 53
Is the site significantly disturbed (atypical situation)? Y or N
Is the area a potential problem area? Y or N

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Alnus rhombifolia	25	T	OBL
2. Salix exigua	15	S	OBL
3. Rosa californica	10	S	FACW
4. Rubus discolor	25	S	FACW
5. Clematis pedatifida	15	H	FAC
6. Bromus tectorum	10	H	NL
7.			
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC: n/a

Remarks: Riparian vegetation is present within drainage of the creek.

HYDROLOGY

- [x] Recorded Data (Describe in Remarks)
  - [ ] stream, lake, or tide gauge
  - [x] aerial photographs
  - [ ] other
- [ ] No Recorded data available

Field Observation:

Depth of Surface Water: None (in.) (>12" wetland)

Depth to Free Water in Pit: N/A (in.)

Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
[ ] Inundated (within river)	[ ] oxidized root channels in upper 12"
[ ] saturated in upper 12" (within river)	[ ] water-stained leaves
[ ] water marks (within river)	[x] local soil survey data
[x] drift lines	[ ] FAC-neutral test
[x] sediment deposits	[ ] other (explain in remarks)
[x] drainage patterns in wetlands	

Remarks: Sufficient wetland hydrology indicators.

SOILS

Map Unit Name (Series and Phase): 217 - Yeadon loam, Fluvaquents complex, 0-5% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? Y N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit due to rocky. Sufficient hydric soil indicators.

Hydric Soil Indicators:
- [ ] Histosol
- [ ] Histic Epipedon
- [ ] Sulfidic odor
- [ ] Aquic moisture regime
- [ ] Reducing conditions
- [ ] Concretions
- [ ] Positive alpha-alpha dipyridyl test
- [ ] Gleyed or low-chroma colors
- [ ] High organic content in surface layer in sandy soil
- [ ] Organic streaking in sandy soils
- [x] Listed on local hydric soils list
- [ ] Listed on national hydric soils list
- [x] Other: Frequently flooded

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or N Wetland Hydrology Present? Y or N Hydric Soils Present? Y or N
Is this point within a wetland? Y or N Is this point within an "Other waters of the U.S."? Y or N (If yes, complete bottom of form)

Remarks: Trinity River.

ACOE JURISDICTION

ACOE Jurisdiction:
- [ ] Adjacent to Waters
- [ ] Tributary to Waters
- [ ] Isolated (with Interstate Commerce)
- [ ] Isolated (non-jurisdictional)

Explain: See below

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
- [ ] Defined Bed and Bank (within river)
- [ ] Scour (within river)
- [x] Ordinary High Water Mark Mapped

Feature Designation:
- [x] Perennial
- [ ] Intermittent
- [ ] Ephemeral
- [x] Blue-line on U.S.G.S. Topographic Map
- [x] Natural Drainage
- [ ] Artificial Drainage
- [x] Navigable Water

Remarks:

DATA FORM: ROUTINE WETLAND DETERMINATION | Comm. ID: Upland | Plot ID: DK 55 (DP 24)

Project/Site: Dark Gulch | Date: 15 April 2005
Applicant/Owner: Bulk / Private | County: Yuba
Investigator(s): C. Boggs | State: California

Do normal circumstances exist on the site? (Y) or N Explain: Photo 53
Is the site significantly disturbed (atypical situation)? Y or (N)
Is the area a potential problem area? Y or (N)

VEGETATION

Dominant Plant Species	Cover	Stratum	Indicator
1. Poa bulbosa	10	H	NL
2. Bromus tectorum	10	H	NL
3. Trifolium hirtum	20	H	NL
4. Sagina apetala	10	H	FAC
5. Erodium botrys	10	H	NL
6. Cobble/gravel	30	N/A	N/A
7. Thysanocarpus radians	10	H	NL
8.			
9.			
10.			

Percent of dominant species that are OBL, FACW or FAC 0% = 0%

Remarks: No hydrophytes present.

HYDROLOGY

- [X] Recorded Data (Describe in Remarks)
  - [ ] stream, lake, or tide gauge
  - [X] aerial photographs
  - [ ] other
- [ ] No Recorded data available

Field Observation:
Depth of Surface Water: None (in.)
Depth to Free Water in Pit: N/A (in.)
Depth to Saturated Soil: N/A (in.)

Wetland Hydrology Indicators

Primary Indicators	Secondary Indicators
[ ] inundated	[ ] oxidized root channels in upper 12"
[ ] saturated in upper 12"	[ ] water-stained leaves
[ ] water marks	[X] local soil survey data
[ ] drift lines	[ ] FAC-neutral test
[ ] sediment deposits	[ ] other (explain in remarks)
[ ] drainage patterns in wetlands	

Remarks: Insufficient wetland hydrology indicators

SOILS

Map Unit Name (Series and Phase): 217 - Xerofluvents, Fireworth complex, 0-3% slopes
Taxonomy (Subgroup): Xerofluvents
Hydric Status on NRCS Field Office List: Hydric

Drainage Class: Well
Field Observations Confirm Mapped Type? (Y) N UNK

Depth	Horizon	Matrix Color	Mottle Colors	Mottle Abundance/contrast	Texture, Concretions, Structure, Etc.

Remarks: No pit dug too rocky. Insufficient hydric soils indicator

Hydric Soil Indicators:
- [ ] Histosol
- [ ] Histic Epipedon
- [ ] Sulfidic odor
- [ ] Aquic moisture regime
- [ ] Reducing conditions
- [ ] Concretions
- [ ] Positive alpha-alpha dipyridyl test
- [ ] Gleyed or low-chroma colors
- [ ] High organic content in surface layer in sandy soil
- [ ] Organic streaking in sandy soils
- [X] Listed on local hydric soils list
- [ ] Listed on national hydric soils list
- [ ] Other

WETLAND DETERMINATION

Hydrophytic vegetation present? Y or (N) Wetland Hydrology Present? Y or (N) Hydric Soils Present? (Y) or N
Is this point within a wetland? Y or (N) Is this point within an "Other waters of the U.S."? Y or (N) (If yes, complete bottom of form)

Remarks: Upland data point paired to perennial stream (DK 54)

ACOE JURISDICTION

ACOE Jurisdiction:
[ ] Adjacent to Waters [ ] Tributary to Waters [ ] Isolated (with Interstate Commerce) [ ] Isolated (non-jurisdictional)
Explain:

EVALUATION OF FEATURES DESIGNATED "OTHER WATERS OF THE UNITED STATES"

Indicators:
[ ] Defined Bed and Bank [ ] Scour [ ] Ordinary High Water Mark Mapped

Feature Designation:
[ ] Perennial [ ] Intermittent [ ] Ephemeral [ ] Blue-line on U.S.G.S. Topographic Map
[ ] Natural Drainage [ ] Artificial Drainage [ ] Navigable Water

Remarks: