



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: WC-3C-1
Applicant: City of Sweet Home		County: Linn	Date: July 28, 1999
Investigators: CR/JT		Township: 13S	Range: 1E Section: 27

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: 6 Inches	Drainage patterns: Yes
	Depth to saturation: 0 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/1	SL	7.5YR 3/3	common, medium, prominent	H2S odor	

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

	<b>Criteria Met: Yes</b>
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VEGETATION						
Tree Stratum (10%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover	
<i>Acer macrophyllum</i> *	FACU	100	<i>Veronica americana</i> *	OBL	20	
			<i>Myosotis laxa</i> *	OBL	30	
			<i>Carex stipata</i> *	OBL	25	
			<i>Cirsium arvense</i>	FACU+	5	
			<i>Polygonum lapathifolium</i> *	FACW	20	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (20%)	Status	% Cover	
			<i>Solanum dulcamara</i> *	FAC+	100	

Percent of dominant species FAC, FACW, or OBL*:	83%	<b>Criteria Met: Yes</b>
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Comments:	<b>Determination: Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: WC-3C-2
Applicant: City of Sweet Home	County: Linn		Date: July 28, 1999
Investigators: CR/JT	Township: 13S	Range: 1E	Section: 27

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No Depth of inundation: Inches Depth to free water: >12 Inches Depth to saturation: >12 Inches Other:	Water marks: Drift lines: Drainage patterns: Oxidized rhizospheres: Sediment deposits:
<b>Criteria Met:</b>		<b>No</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-12	10YR 3/3	SL				Refusal at 12 inches due to rock

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>No</b>
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VEGETATION						
Tree Stratum (20%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover	
<i>Acer macrophyllum</i> *	FACU	100	<i>Cirsium arvense</i>	FACU+	10	
			<i>Taraxacum officinale</i>	FACU	10	
			<i>Hypochaeris radicata</i> *	FACU	20	
			<i>Trifolium repens</i>	FAC	10	
			<i>Lolium multiflorum</i> *	UPL	20	
			<i>Prunella vulgaris</i>	FACU+	10	
			<i>Poa pratensis</i> *	FAC	20	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (10%)	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	100	

Percent of dominant species FAC, FACW, or OBL*:	20%	<b>Criteria Met:</b>	<b>No</b>
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Comments:	<b>Determination:</b>	<b>Upland</b>
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-2-14	
Applicant: City of Sweet Home		County: Linn		Date: September 24, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E		Section: 33

  

Primary Indicators			Secondary Indicators			
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:		
	Depth of inundation:		Inches	Drift lines:		
	Depth to free water:	>18	Inches	Drainage patterns:		
	Depth to saturation:	>18	Inches	Oxidized rhizospheres:		
	Other:			Sediment deposits:		
					<b>Criteria Met:</b>	<b>No</b>

  

<b>SOILS</b>	<b>Mapped Series:</b> Dupee silt loam, 3-20% <b>Classification:</b> Aquultic Haploxeralfs	<b>Hydric Soil?:</b> No <b>Drainage Class:</b> somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-10	10YR 3/2	SL				refusal at 10 inches very compacted

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>No</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Agrostis tenuis</i> *	FAC	30	
			<i>Cirsium arvense</i> *	FACU+	20	
			<i>Festuca arundinacea</i> *	FAC-	20	
			<i>Hypochaeris radicata</i>	FACU	5	
			<i>Cynosurus cristatus</i>	UPL	5	
			<i>Daucus carota</i>	UPL	5	
			<i>Crepis setosa</i>	UPL	10	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	

  

Percent of dominant species FAC, FACW, or OBL*:	33%	<b>Criteria Met:</b>	<b>No</b>
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Comments:	<b>Determination:</b>	<b>Upland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-2-15
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: 8 Inches	Drainage patterns: Yes
	Depth to saturation: 0 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Dupee silt loam, 3-20% Classification: Aquultic Haploxeralfs	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	5Y 3/2	SCL	10YR 3/6	common, medium, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

### VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			<i>Polygonum lapathifolium</i> *	FACW	20
			<i>Polygonum hydropiperoides</i> *	OBL	20
			<i>Echinochloa crus-galli</i> *	FACW	20
			<i>Eleocharis ovata</i> *	OBL	30
			<i>Sparganium emersum</i>	OBL	10
Shrub Stratum (0%)	Status	% Cover			
			Woody Vine Stratum (0%)	Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments: **Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3A-3
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

  

Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks: Yes
	Depth of inundation:	Inches	Drift lines:
	Depth to free water:	>18 Inches	Drainage patterns: Yes
	Depth to saturation:	>18 Inches	Oxidized rhizospheres: Yes
	Other: evidence of ponding		Sediment deposits:
<b>Criteria Met:</b>			<b>Yes</b>

  

<b>SOILS</b>	Mapped Series: Jory silty clay loam, 2-12% Classification: Xeric Haplohumults	Hydric Soil?: No Drainage Class: well drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-2	10YR 3/2	SCL	7.5YR 4/6	common, medium, distinct		
2-14	10YR 3/2	SCL	7.5YR 4/6	common, medium, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>					<b>Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Polygonum hydropiperoides</i> *	OBL	30	
			<i>Holcus lanatus</i> *	FAC	20	
			<i>Agrostis stolonifera</i> *	FAC	20	
			<i>Alopecurus pratensis</i> *	FACW	20	
			<i>Glyceria sp.</i>	OBL	10	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL*:		100%	<b>Criteria Met:</b>	<b>Yes</b>
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Comments:

<b>Determination:</b>	<b>Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3A-4
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns:
	Depth to saturation: >18 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: Jory silty clay loam, 2-12%	Hydric Soil?: No
	Classification: Xeric Haplohumults	Drainage Class: well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Agrostis tenuis</i> *	FAC	40	
			<i>Cirsium arvense</i> *	FACU+	20	
			<i>Taraxacum officinale</i>	FACU	10	
			<i>Hypochaeris radicata</i>	FACU	10	
			<i>Phleum pratense</i>	FAC-	10	
			<i>Daucus carota</i>	UPL	5	
			<i>Festuca arundinacea</i>	FAC-	5	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: 50% **Criteria Met: No**

Comments:

**Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-3A-5	
Applicant: City of Sweet Home		County: Linn		Date: September 24, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E		Section: 33

  

Primary Indicators				Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:		
	Depth of inundation:	Inches		Drift lines:		
	Depth to free water:	>18	Inches	Drainage patterns: Yes		
	Depth to saturation:	>18	Inches	Oxidized rhizospheres: Yes		
	Other:			Sediment deposits:		
<b>Criteria Met:</b>						Yes

  

<b>SOILS</b>	Mapped Series: Panther silty clay loam, 2-12% Classification: Typic Haplaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/1	SCL	7.5YR 3/3	common, medium, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>						Yes
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Juncus effusus</i> *	FACW	30	
			<i>Carex stipata</i>	OBL	15	
			<i>Holcus lanatus</i> *	FAC	20	
			<i>Echinochloa crus-galli</i>	FACW	5	
			<i>Alopecurus pratensis</i>	FACW	10	
			<i>Festuca rubra</i>	FAC+	10	
			<i>Agrostis stolonifera</i>	FAC	10	
<b>Shrub Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>				
			<b>Woody Vine Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>	

  

Percent of dominant species FAC, FACW, or OBL*:			100%	<b>Criteria Met:</b>		Yes
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Comments:	<b>Determination:</b>	Wetland
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3B-6
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:
	Depth of inundation:	Inches	Drift lines:
	Depth to free water:	0 Inches	Drainage patterns:
	Depth to saturation:	0 Inches	Oxidized rhizospheres: Yes
	Other:		Sediment deposits:
			<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Panther silty clay loam 2-12% Classification: Typic Haplaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	5/1064	C				Gley (30%) 70%
8-14	10YR 3/2	SCL	10YR 4/6	common, medium, prominent		
	10YR 3/2	SCL	7.5YR 4/6	many, medium, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION				Status	% Cover
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)		
			<i>Polygonum hydropiperoides</i> *	OBL	20
			<i>Eleocharis ovata</i> *	OBL	30
			<i>Alopecurus pratensis</i> *	FACW	20
			<i>Lemna minor</i>	OBL	10
			<i>Ludwigia palustris</i> *	OBL	20
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3B-7
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators		Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:
	Depth of inundation:	Inches	Drift lines:
	Depth to free water:	>18 Inches	Drainage patterns:
	Depth to saturation:	>18 Inches	Oxidized rhizospheres:
	Other:		Sediment deposits:
			<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Panther silty clay loam 2-12%	Hydric Soil?: Yes
	Classification: Typic Haplaquolls	Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-10	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>		<b>Status</b>	<b>% Cover</b>
			<i>Daucus carota</i>		UPL	5
			<i>Cirsium arvense</i>		FACU+	10
			<i>Festuca arundinacea*</i>		FAC-	20
			<i>Crepis setosa</i>		UPL	10
			<i>Agropyron sp.*</i>		FACU	20
			<i>Alopecurus pratensis*</i>		FACW	20
			<i>Agrostis tenuis</i>		FAC	10
<b>Shrub Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>

Percent of dominant species FAC, FACW, or OBL\*: 33% **Criteria Met:** No

Comments:

**Determination:** Upland



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3C-8
Applicant: City of Sweet Home	County: Linn	Date: September 24, 1999	
Investigators: CR/PF	Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns:
	Depth to saturation: >18 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION								
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover			
			<i>Cirsium arvense</i> *	FACU+	20			
			<i>Festuca arundinacea</i> *	FAC-	20			
			<i>Agrostis tenuis</i>	FAC	10			
			<i>Lolium multiflorum</i> *	UPL	20			
			<i>Taraxacum officinale</i> *	FACU	20			
			<i>Holcus lanatus</i>	FAC	10			
Shrub Stratum (0%)	Status	% Cover						
			Woody Vine Stratum (0%)	Status	% Cover			

Percent of dominant species FAC, FACW, or OBL\*: 0%

**Criteria Met: No**

Comments:

**Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3C-9	
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999	
Investigators: CR/PF		Township: 13S	Range: 1E	Section: 33

  

Primary Indicators		Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		
	Depth of inundation:	Inches	Water marks:	
	Depth to free water:	>18 Inches	Drift lines:	
	Depth to saturation:	>18 Inches	Drainage patterns:	Yes
	Other:		Oxidized rhizospheres:	Yes
			Sediment deposits:	
			<b>Criteria Met:</b>	Yes

  

<b>SOILS</b>	Mapped Series: Conser silty clay loam	Hydric Soil?:	Yes
	Classification: Typic Argiaquolls	Drainage Class: poorly drained	

  

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/1	SCL	7.5YR 5/8	many, fine, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

					<b>Criteria Met:</b>	Yes
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Juncus effusus</i> *	FACW	20	
			<i>Polygonum hydropiperoides</i> *	OBL	30	
			<i>Agrostis stolonifera</i> *	FAC	20	
			<i>Alopecurus geniculatus</i> *	OBL	20	
			<i>Alopecurus pratensis</i>	FACW	10	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

  

Percent of dominant species FAC, FACW, or OBL*:	100%	<b>Criteria Met:</b>	Yes
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Comments:	<b>Determination:</b>	Wetland
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3D-133
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:
	Depth of inundation:	Inches	Drift lines:
	Depth to free water:	8 Inches	Drainage patterns:
	Depth to saturation:	0 Inches	Oxidized rhizospheres: Yes
	Other:		Sediment deposits:
<b>Criteria Met:</b>			<b>Yes</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-4	10YR 3/2	SCL				
4-14	10YR 5/1	C				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>Yes</b>
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### VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			<i>Juncus effusus</i> *	FACW	20
			<i>Scirpus microcarpus</i> *	OBL	20
			<i>Eleocharis ovata</i> *	OBL	20
			<i>Festuca arundinacea</i>	FAC-	10
			<i>Alopecurus geniculatus</i> *	OBL	20
			<i>Veronica americana</i>	OBL	10
Shrub Stratum (0%)	Status	% Cover			
			Woody Vine Stratum (0%)	Status	% Cover

Percent of dominant species FAC, FACW, or OBL*:	100%	<b>Criteria Met:</b>	<b>Yes</b>
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Comments:	<b>Determination:</b>	<b>Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3E-10
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns:
	Depth to saturation: >18 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Pengra silt loam, 1-4%	Hydric Soil?: Yes
	Classification: Typic Haplaquolls	Drainage Class: somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	10YR 3/2	SL				Refusal at 8 inches due to compaction from cattle

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Holcus lanatus</i> *	FAC	30	
			<i>Festuca arundinacea</i> *	FAC-	20	
			<i>Agrostis tenuis</i> *	FAC	20	
			<i>Hypochaeris radicata</i>	FACU	10	
			<i>Crepis setosa</i> *	UPL	20	
Shrub Stratum (0%)	Status	% Cover				
Woody Vine Stratum (0%)	Status	% Cover				

Percent of dominant species FAC, FACW, or OBL\*: 50% **Criteria Met:** No

Comments:

**Determination:** Upland



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-3E-11
Applicant: City of Sweet Home	County: Linn	Date: September 24, 1999	
Investigators: CR/PF	Township: 13S	Range: 1E	Section: 33

	Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:	
	Depth of inundation:	Inches	Drift lines:	
	Depth to free water:	>18 Inches	Drainage patterns:	Yes
	Depth to saturation:	>18 Inches	Oxidized rhizospheres:	Yes
	Other:		Sediment deposits:	
			<b>Criteria Met:</b> Yes	

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/1	SCL	7.5YR 6/8	many, medium, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** Yes

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Juncus effusus</i> *	FACW	20	
			<i>Cynosurus cristatus</i> *	UPL	20	
			<i>Agrostis tenuis</i> *	FAC	20	
			<i>Alopecurus pratensis</i> *	FACW	40	
Shrub Stratum (0%)	Status	% Cover				
Woody Vine Stratum (0%)	Status	% Cover				

Percent of dominant species FAC, FACW, or OBL*:	75%	<b>Criteria Met:</b> Yes
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Comments:	<b>Determination:</b> Wetland
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-4-12
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

  

Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	
	Depth of inundation:	Inches	Water marks:
	Depth to free water:	Inches	Drift lines:
	Depth to saturation:	0 Inches	Drainage patterns:
	Other:		Oxidized rhizospheres: Yes
			Sediment deposits:
			<b>Criteria Met:</b> Yes

  

<b>SOILS</b>	Mapped Series: Jory silty clay loam, 2-12%	Hydric Soil?: No
	Classification: Xeric Haplohumults	Drainage Class: well drained

  

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-6	10YR 3/2	SCL	10YR 4/6	many, medium, distinct		
6-18	10Y 3/1	C				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

			<b>Criteria Met:</b> Yes
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Sparganium emersum</i> *	OBL	30	
			<i>Phalaris arundinacea</i> *	FACW	20	
			<i>Echinochloa crus-galli</i>	FACW	5	
			<i>Polygonum lapathifolium</i>	FACW	5	
			<i>Gnaphalium palustre</i>	FAC+	5	
			<i>Eleocharis ovata</i>	OBL	10	
			<i>Lysimachia nummularia</i> *	FACW	20	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	

  

Percent of dominant species FAC, FACW, or OBL*: 100%	<b>Criteria Met:</b> Yes
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Comments:	<b>Determination:</b> Wetland
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-4-13	
Applicant: City of Sweet Home	County: Linn	Date: September 24, 1999		
Investigators: CR/PF	Township: 13S	Range: 1E	Section: 33	

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns:
	Depth to saturation: >18 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

**SOILS**      Mapped Series: Jory silty clay loam, 2-12%      Hydric Soil?: No  
 Classification: Xeric Haplohumults      Drainage Class: well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION					
Tree Stratum (20%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover
<i>Quercus garryana</i> *	UPL	100	<i>Cirsium arvense</i> *	FACU+	20
			<i>Festuca arundinacea</i> *	FAC-	20
			<i>Agrostis tenuis</i> *	FAC	20
			<i>Lolium multiflorum</i> *	UPL	20
			<i>Crepis setosa</i>	UPL	10
			<i>Holcus lanatus</i>	FAC	10
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (10%)	Status	% Cover
			<i>Rubus discolor</i> *	FACU	100

Percent of dominant species FAC, FACW, or OBL\*: 17%      **Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-7E-134
Applicant: City of Sweet Home	County: Linn	Date: September 24, 1999	
Investigators: CR/PF	Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns: Yes
	Depth to saturation: >18 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
<b>Criteria Met:</b>		<b>Yes</b>

**SOILS**      Mapped Series: Clackamas gravelly silt loam      Hydric Soil?: No  
 Classification: Typic Argiaquolls      Drainage Class: somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	10YR 3/3	SL	10YR 5/8	common, medium, distinct		some rocks
8-16	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION					
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			<i>Phalaris arundinacea*</i>	FACW	100
Shrub Stratum (0%)	Status	% Cover			
			Woody Vine Stratum (0%)	Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 100%      **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-7E-135
Applicant: City of Sweet Home		County: Linn	Date: September 24, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns:
	Depth to saturation: >18 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam	Hydric Soil?: No
	Classification: Typic Argiaquolls	Drainage Class: somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-6	10YR 3/2	SL				Refusal at 6 inches due to gravel

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

### VEGETATION

Tree Stratum (10%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover
<i>Rhamnus purshiana</i> *	FAC-	100	<i>Agrostis tenuis</i> *	FAC	20
			<i>Dactylis glomerata</i> *	FACU	20
			<i>Festuca arundinacea</i> *	FAC-	40
			<i>Daucus carota</i> *	UPL	20
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (20%)	Status	% Cover
			<i>Rubus discolor</i> *	FACU	100

Percent of dominant species FAC, FACW, or OBL\*: 17%

**Criteria Met: No**

Comments:

**Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-7E-136	
Applicant: City of Sweet Home		County: Linn		Date: September 24, 1999	
Investigators: CR/PF		Township: 13S		Range: 1E Section: 33	

  

Primary Indicators			Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:		
	Depth of inundation:		Inches	Drift lines:	
	Depth to free water:	>18	Inches	Drainage patterns:	
	Depth to saturation:	>18	Inches	Oxidized rhizospheres:	
	Other:			Sediment deposits:	
					<b>Criteria Met:</b> No

  

<b>SOILS</b>	Mapped Series: Pengra silt loam, 1-4% Classification: Typic Haplaquolls	Hydric Soil?: Yes Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

					<b>Criteria Met:</b> No
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VEGETATION								
Tree Stratum (20%)			Status	% Cover	Herbaceous Stratum (30%)		Status	% Cover
<i>Malus sp.*</i>			UPL	40	<i>Pteridium aquilinum*</i>		FACU	80
			FACU	60			<i>Polystichum munitum*</i>	
<i>Pseudotsuga menziesii*</i>								
			Shrub Stratum (30%)			Status	% Cover	Woody Vine Stratum (20%)
<i>Amelanchier alnifolia*</i>			FACU	40	<i>Rubus discolor*</i>		FACU	30
			UPL	60			<i>Rubus ursinus*</i>	
<i>Cytisus scoparius*</i>								

  

Percent of dominant species FAC, FACW, or OBL*: 0%		<b>Criteria Met:</b> No
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Comments:	<b>Determination:</b> Upland
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-9A-16
Applicant: City of Sweet Home	County: Linn	Date: September 30, 1999	
Investigators: PF/JVS	Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >8 Inches	Drainage patterns: Yes
	Depth to saturation: >8 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	10YR 3/2	SL	5YR 4/6	common, medium distinct		refusal at 8 inches due to hard pan

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION				Herbaceous Stratum ( 100% )	Status	% Cover
Tree Stratum ( 0% )	Status	% Cover		FAC	40	
			<i>Agrostis stolonifera</i> *	FACW	60	
			<i>Carex unilateralis</i> *			
Shrub Stratum ( 0% )	Status	% Cover				
			Woody Vine Stratum ( 0% )	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL*: 100%	<b>Criteria Met: Yes</b>
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Comments:	<b>Determination: Wetland</b>
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# Wetland Determination Data Form

## Routine Onsite Method



Pacific Habitat Services, Inc.

Project: Sweet Home LWI	Number: 9-1884	Sample Site: SSR-9A-17
Applicant: City of Sweet Home	County: Linn	Date: September 30, 1999
Investigators: PF/JVS	Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >10 Inches	Drainage patterns:
	Depth to saturation: >10 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-10	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (95%)	Status	% Cover	
			<i>Holcus lanatus</i>	FAC	10	
			<i>Agrostis tenuis</i> *	FAC	30	
			<i>Daucus carota</i>	UPL	5	
			<i>Anthoxanthum odoratum</i> *	FACU	20	
			<i>Plantago lanceolata</i>	FAC	5	
			<i>Chrysanthemum leucanthemum</i>	UPL	10	
Shrub Stratum (0%)	Status	% Cover	<i>Prunella vulgaris</i>	FACU+	5	
			<i>Fragaria virginiana</i>	FACU	10	
			Woody Vine Stratum (5%)	Status	% Cover	
			<i>Rubus laciniatus</i> *	FACU+	100	

Percent of dominant species FAC, FACW, or OBL\*: 33% **Criteria Met: No**

Comments:

**Determination: Upland**

# Wetland Determination Data Form

## Routine Onsite Method



Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>		Sample Site: <b>SSR-9B-18</b>		
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>		Date: <b>September 30, 1999</b>		
Investigators: <b>PF/JVS</b>		Township: <b>13S</b>		Range: <b>1E</b> Section: <b>33</b>		
<b>Primary Indicators</b>			<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:	Yes	
	Depth of inundation:	Inches		Drift lines:		
	Depth to free water:	>12	Inches	Drainage patterns:		
	Depth to saturation:	>12	Inches	Oxidized rhizospheres:	Yes	
	Other:			Sediment deposits:		
<b>Criteria Met: Yes</b>						
<b>SOILS</b>		Mapped Series: <b>Clackamas gravelly silt loam</b>		Hydric Soil?: <b>No</b>		
		Classification: <b>Typic Argiaquolls</b>		Drainage Class: <b>somewhat poorly drained</b>		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-12	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met: Yes</b>						
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (90%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Alopecurus geniculatus</i> *		<b>OBL</b> <b>40</b>
				<i>Agrostis tenuis</i> *		<b>FAC</b> <b>30</b>
				<i>Rumex crispus</i> *		<b>FAC+</b> <b>20</b>
				<i>Hypochaeris radicata</i>		<b>FACU</b> <b>10</b>
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (10%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Rubus laciniatus</i> *		<b>FACU+</b> <b>100</b>
<b>Percent of dominant species FAC, FACW, or OBL*:</b>				<b>75%</b>		<b>Criteria Met: Yes</b>
<b>Comments:</b>						
						<b>Determination: Wetland</b>



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-9C-19	
Applicant: City of Sweet Home		County: Linn			Date: September 30, 1999	
Investigators: PF/JVS		Township: 13S		Range: 1E		Section: 33
<b>Primary Indicators</b>				<b>Secondary Indicators</b>		
<b>HYDROLOGY</b>						
Inundated (Yes/No):		No		Water marks:		Yes
Depth of inundation:		Inches		Drift lines:		
Depth to free water:		>8 Inches		Drainage patterns:		
Depth to saturation:		>8 Inches		Oxidized rhizospheres:		Yes
Other:				Sediment deposits:		
				<b>Criteria Met: Yes</b>		
<b>SOILS</b>						
Mapped Series: Clackamas gravelly silt loam				Hydric Soil?: No		
Classification: Typic Argiaquolls				Drainage Class: somewhat poorly drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		Refused at 8 inches
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
				<b>Criteria Met: Yes</b>		
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Carex unilateralis</i> *		FACW   30
				<i>Agrostis tenuis</i> *		FAC   30
				<i>Plantago lanceolata</i>		FAC   10
				<i>Madia glomerata</i>		FACU+   10
				<i>Crepis setosa</i>		UPL   5
				<i>Rumex crispus</i>		FAC+   10
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>
Comments:						
				<b>Determination: Wetland</b>		



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>	Sample Site: <b>SSR-10A-20</b>
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>	Date: <b>September 30, 1999</b>
Investigators: <b>PF/JVS</b>		Township: <b>13S</b>	Range: <b>1E</b> Section: <b>33</b>

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): <b>No</b> Depth of inundation: <b>Inches</b> Depth to free water: <b>&gt;12 Inches</b> Depth to saturation: <b>&gt;12 Inches</b> Other:	Water marks: Drift lines: Drainage patterns: Oxidized rhizospheres: Sediment deposits:
		<b>Criteria Met: No</b>

**SOILS**      Mapped Series: **Clackamas gravelly silt loam**      Hydric Soil?: **No**  
 Classification: **Typic Argiaquolls**      Drainage Class: **somewhat poorly drained**

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-12	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

<b>VEGETATION</b>				Herbaceous Stratum (100%)	Status	% Cover
<b>Tree Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>				
			<i>Fragaria virginiana</i> *	FACU	20	
			<i>Agrostis tenuis</i> *	FAC	30	
			<i>Anthoxanthum odoratum</i> *	FACU	20	
			<i>Daucus carota</i>	UPL	10	
			<i>Cynosurus cristatus</i>	UPL	10	
			<i>Festuca arundinacea</i>	FAC-	10	
<b>Shrub Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>				
			<b>Woody Vine Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>	

**Percent of dominant species FAC, FACW, or OBL\*:**      **33%**      **Criteria Met: No**

**Comments:**

**Determination: Upland**



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-10A-21
Applicant: City of Sweet Home	County: Linn	Date: September 30, 1999	
Investigators: PF/JVS	Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >10 Inches	Drainage patterns: Yes
	Depth to saturation: >10 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-10	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		Refusal at 10 inches

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION					
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			<i>Holcus lanatus</i> *	FAC	20
			<i>Agrostis tenuis</i> *	FAC	30
			<i>Anthoxanthum odoratum</i> *	FACU	20
			<i>Carex unilateralis</i> *	FACW	20
			<i>Lamium purpureum</i>	UPL	5
			<i>Festuca arundinacea</i>	FAC-	5
Shrub Stratum (0%)	Status	% Cover			
			Woody Vine Stratum (0%)	Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 75% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-11-22
Applicant: City of Sweet Home		County: Linn	Date: September 10, 1999
Investigators: CR/FS		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns: Yes
	Depth to saturation: >14 Inches	Oxidized rhizospheres: Yes
	Other: slightly depressional	Sediment deposits:
<b>Criteria Met:</b>		<b>Yes</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/1		7.5YR 4/6	common, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Juncus effusus</i>	FACW	10	
			<i>Holcus lanatus</i>	FAC	10	
			<i>Agrostis tenuis</i> *	FAC	20	
			<i>Veronica scutellata</i>	OBL	10	
			<i>Juncus ensifolius</i>	FACW	10	
			<i>Glyceria occidentalis</i> *	OBL	20	
			<i>Agrostis stolonifera</i>	FAC	10	
			<i>Juncus acuminatus</i>	OBL	5	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: 100%

**Criteria Met: Yes**

Comments:

**Determination: Wetland**



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-11-23
Applicant: City of Sweet Home	County: Linn	Date: September 10, 1999	
Investigators: CR/FS	Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns:
	Depth to saturation: >14 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Conser silty clay loam	Hydric Soil?: Yes
	Classification: Typic Argiaquolls	Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-7	10YR 2.5/2	SL				
7-14	10YR 2/2	SCL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION							
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (90%)	Status	% Cover		
			<i>Daucus carota</i>	UPL	10		
			<i>Chrysanthemum leucanthemum</i>	UPL	8		
			<i>Cynosurus cristatus</i> *	UPL	20		
			<i>Anthoxanthum odoratum</i>	FACU	5		
			<i>Agrostis tenuis</i> *	FAC	20		
			<i>Holcus lanatus</i>	FAC	10		
			<i>Trifolium repens</i>	FAC	10		
			<i>Hypochaeris radicata</i>	FACU	10		
			<i>Fragaria virginiana</i>	FACU	5		
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (10%)	Status	% Cover		
			<i>Rubus discolor</i> *	FACU	50		
			<i>Rubus laciniatus</i> *	FACU+	50		

Percent of dominant species FAC, FACW, or OBL\*: 25%

**Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-24
Applicant: City of Sweet Home	County: Linn	Date: September 10, 1999	
Investigators: CR/FS	Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks: Yes
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >12 Inches	Drainage patterns:
	Depth to saturation: >12 Inches	Oxidized rhizospheres: Yes
	Other: hummocky, evidence of ponding	Sediment deposits:
<b>Criteria Met:</b>		<b>Yes</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam	Hydric Soil?: Yes
	Classification: Typic Argiaquolls	Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-12	10YR 3/1	SCL	2.5YR 4/6	common, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION					
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (90%)	Status	% Cover
			<i>Juncus tenuis</i>	FACW-	10
			<i>Holcus lanatus</i> *	FAC	30
			<i>Agrostis tenuis</i> *	FAC	20
			<i>Veronica scutellata</i>	OBL	10
			<i>Epilobium watsonii</i>	FACW-	5
			<i>Hypochaeris radicata</i>	FACU	5
			<i>Anthoxanthum odoratum</i>	FACU	5
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (10%)	Status	% Cover
			<i>Rubus discolor</i> *	FACU	100

Percent of dominant species FAC, FACW, or OBL\*: 67% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-25
Applicant: City of Sweet Home	County: Linn	Date: September 10, 1999	
Investigators: CR/FS	Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns:
	Depth to saturation: >14 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Conser silty clay loam	Hydric Soil?: Yes
	Classification: Typic Argiaquolls	Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover	
			<i>Daucus carota</i> *	UPL	20	
			<i>Chrysanthemum leucanthemum</i> *	UPL	20	
			<i>Cynosurus cristatus</i>	UPL	10	
			<i>Plantago lanceolata</i> *	FAC	20	
			<i>Festuca arundinacea</i> *	FAC-	20	
			<i>Holcus lanatus</i>	FAC	10	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (30%)	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	100	

Percent of dominant species FAC, FACW, or OBL*: 20%	<b>Criteria Met:</b> No
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Comments:	<b>Determination:</b> Upland
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-26
Applicant: City of Sweet Home		County: Linn	Date: September 10, 1999
Investigators: CR/FS		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns:
	Depth to saturation: 0 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-6	10YR 3/1	SCL				
6-14	10YR 3/1	SCL	2.5YR 4/6	common, fine, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (95%)	Status	% Cover	
			<i>Juncus effusus</i> *	FACW	30	
			<i>Holcus lanatus</i>	FAC	10	
			<i>Agrostis alba</i> *	FAC	20	
			<i>Festuca rubra</i>	FAC+	10	
			<i>Anthoxanthum odoratum</i>	FACU	5	
			<i>Festuca arundinacea</i>	FAC-	10	
			<i>Carex leporina</i>	FACW	3	
			<i>Carex densa</i>	OBL	2	
			Woody Vine Stratum (5%)	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	100	

Percent of dominant species FAC, FACW, or OBL\*: 67%

**Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-27	
Applicant: City of Sweet Home	County: Linn	Date: September 10, 1999		
Investigators: CR/FS	Township: 13S	Range: 1E	Section: 33	

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns:
	Depth to saturation: >14 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (60%)	Status	% Cover	
			<i>Daucus carota</i> *	UPL	20	
			<i>Chrysanthemum leucanthemum</i> *	UPL	20	
			<i>Anthoxanthum odoratum</i> *	FACU	20	
			<i>Plantago lanceolata</i>	FAC	5	
			<i>Agrostis tenuis</i>	FAC	10	
			<i>Festuca arundinacea</i>	FAC-	10	
			<i>Holcus lanatus</i>	FAC	15	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (40%)		Status	% Cover
			<i>Rubus discolor</i> *	FACU	40	
			<i>Rubus laciniatus</i> *	FACU+	60	

Percent of dominant species FAC, FACW, or OBL\*: 0%

**Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-28
Applicant: City of Sweet Home		County: Linn	Date: September 10, 1999
Investigators: CR/FS		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns: Yes
	Depth to saturation: >14 Inches	Oxidized rhizospheres: Yes
	Other: evidence of ponding	Sediment deposits:
<b>Criteria Met:</b>		<b>Yes</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam	Hydric Soil?: Yes
	Classification: Typic Argiaquolls	Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (30%)			Herbaceous Stratum (50%)		Status	% Cover
<i>Fraxinus latifolia</i> *	FACW	100	<i>Festuca arundinacea</i> *		FAC-	30
			<i>Camassia quamash</i> *		FACW	20
			<i>Agrostis tenuis</i> *		FAC	20
			<i>Alopecurus pratensis</i> *		FACW	20
			<i>Anthoxanthum odoratum</i>		FACU	5
			<i>Dactylis glomerata</i>		FACU	5
Shrub Stratum (20%)			Status	% Cover		
<i>Fraxinus latifolia</i> *	FACW	100	Woody Vine Stratum (0%)		Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 100%

**Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI	Number: 9-1884	Sample Site: SSR-12-142
Applicant: City of Sweet Home	County: Linn	Date: May 16, 2000
Investigators: CR/PF	Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns:
	Depth to saturation: >16 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION						
	Status	% Cover	Herbaceous Stratum (96%)	Status	% Cover	
<b>Tree Stratum (2%)</b>						
<i>Populus trichocarpa</i> *	FAC	100	<i>Anthoxanthum odoratum</i> *	FACU	30	
			<i>Holcus lanatus</i> *	FAC	20	
			<i>Ranunculus uncinatus</i>	FAC-	10	
			<i>Daucus carota</i> *	UPL	20	
			<i>Chrysanthemum leucanthemum</i>	UPL	15	
			<i>Vicia sativa</i>	UPL	5	
<b>Shrub Stratum (0%)</b>						
			<b>Woody Vine Stratum (2%)</b>			
			<i>Rubus laciniatus</i> *	FACU+	100	

Percent of dominant species FAC, FACW, or OBL\*: 40% **Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-143
Applicant: City of Sweet Home		County: Linn	Date: May 16, 2000
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): Yes	Water marks:
	Depth of inundation: 1/4 Inches	Drift lines:
	Depth to free water: 0 Inches	Drainage patterns: Yes
	Depth to saturation: 0 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam	Hydric Soil?: Yes
	Classification: Typic Argiaquolls	Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SCL	10YR 4/6	many, medium, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION				Status	% Cover
<b>Tree Stratum (0%)</b>		Status	% Cover		
<b>Shrub Stratum (0%)</b>		Status	% Cover		
<b>Woody Vine Stratum (0%)</b>		Status	% Cover		

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-144
Applicant: City of Sweet Home	County: Linn	Date: May 16, 2000	
Investigators: CR/PF	Township: 13S	Range: 1E	Section: 33

<b>HYDROLOGY</b>	<u>Primary Indicators</u>	<u>Secondary Indicators</u>
Inundated (Yes/No):	No	Water marks:
Depth of inundation:	Inches	Drift lines:
Depth to free water:	>14 Inches	Drainage patterns:
Depth to saturation:	>14 Inches	Oxidized rhizospheres:
Other:		Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes	Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	Yes
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (85%)	Status	% Cover	
			<i>Myosotis discolor</i>	FACW	5	
			<i>Anthoxanthum odoratum</i> *	UPL	30	
			<i>Festuca arundinacea</i> *	FAC-	20	
			<i>Chrysanthemum leucanthemum</i> *	UPL	20	
			<i>Hypochaeris radicata</i> *	FACU	20	
			<i>Plantago lanceolata</i>	OBL	5	
Shrub Stratum (10%)	Status	% Cover				
<i>Rosa pisocarpa</i> *	FAC	60				
<i>Fraxinus latifolia</i> *	FACW	30				
<i>Populus trichocarpa</i>	FAC	10				
			Woody Vine Stratum (5%)	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	100	

Percent of dominant species FAC, FACW, or OBL*:	29%	<b>Criteria Met:</b>	No
Comments:			<b>Determination:</b> Upland



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-145
Applicant: City of Sweet Home		County: Linn	Date: May 16, 2000
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): Yes	Water marks:
	Depth of inundation: <1 Inches	Drift lines:
	Depth to free water: Inches	Drainage patterns:
	Depth to saturation: 0-4 Inches	Oxidized rhizospheres: Yes
	Other: hummocky	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam	Hydric Soil?: Yes
	Classification: Typic Argiaquolls	Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	7.5YR 4/1	SCL	7.5YR 4/6	common, coarse, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION			Herbaceous Stratum (100%)	Status	% Cover
Tree Stratum (0%)	Status	% Cover	<i>Agrostis tenuis</i>	FAC	5
			<i>Anthoxanthum odoratum</i> *	UPL	20
			<i>Festuca arundinacea</i>	FAC-	10
			<i>Veronica scutellata</i> *	OBL	20
			<i>Holcus lanatus</i> *	FAC	20
			<i>Epilobium watsonii</i> *	FACW-	20
			<i>Chrysanthemum leucanthemum</i> *	UPL	25
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)		
				Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 60%

**Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-146
Applicant: City of Sweet Home	County: Linn	Date: May 16, 2000	
Investigators: CR/PF	Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No Depth of inundation: Inches Depth to free water: >14 Inches Depth to saturation: >14 Inches Other:	Water marks: Drift lines: Drainage patterns: Oxidized rhizospheres: Sediment deposits:
<b>Criteria Met:</b>		No

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL	10YR 3/3	common, medium, faint		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** Yes

VEGETATION					
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover
			<i>Holcus lanatus</i> *	FAC	20
			<i>Daucus carota</i>	UPL	5
			<i>Cynosurus cristatus</i> *	UPL	20
			<i>Festuca arundinacea</i> *	FAC-	20
			<i>Anthoxanthum odoratum</i>	UPL	5
			<i>Hypochaeris radicata</i>	FACU	5
			<i>Chrysanthemum leucanthemum</i> *	UPL	20
			<i>Fragaria virginiana</i>	FACU	5
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (30%)	Status	% Cover
			<i>Rubus discolor</i> *	FACU	100

Percent of dominant species FAC, FACW, or OBL\*: 25% **Criteria Met:** No

Comments:

**Determination:** Upland



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-147
Applicant: City of Sweet Home		County: Linn	Date: May 16, 2000
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns: Yes
	Depth to saturation: 0-3 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-2	10YR 5/8	C	5YR 4/6	common, medium, prominent		
2-14	10YR 3/2	SCL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION				Herbaceous Stratum (100%)	Status	% Cover
Tree Stratum (0%)	Status	% Cover				
				<i>Holcus lanatus</i> *	FAC	50
				<i>Alopecurus pratensis</i>	FACW	15
				<i>Festuca arundinacea</i>	FAC-	5
				<i>Juncus effusus</i>	FACW	10
				<i>Carex feta</i>	FACW	10
				<i>Veronica scutellata</i>	OBL	10
Shrub Stratum (0%)	Status	% Cover		Woody Vine Stratum (0%)	Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-148
Applicant: City of Sweet Home		County: Linn	Date: May 16, 2000
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	Yes	Water marks:	
	Depth of inundation:	1 Inches	Drift lines:	
	Depth to free water:	Inches	Drainage patterns:	Yes
	Depth to saturation:	0-3 Inches	Oxidized rhizospheres:	Yes
	Other:		Sediment deposits:	
			<b>Criteria Met:</b> Yes	

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes	Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/1	SCL	10YR 3/3	common, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** Yes

<b>VEGETATION</b>						
	Status	% Cover		Status	% Cover	
<b>Tree Stratum (30%)</b>						
<i>Fraxinus latifolia</i> *	FACW	100	<i>Camassia quamash</i> <i>Alopecurus pratensis</i> * <i>Festuca arundinacea</i> * <i>Glyceria occidentalis</i> * <i>Veratrum californicum</i> *	FACW	5	
				FACW	20	
				FAC-	30	
				OBL	25	
				FACW+	20	
<b>Shrub Stratum (0%)</b>						
<b>Woody Vine Stratum (0%)</b>						

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met:** Yes

Comments:

**Determination:** Wetland



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-12-149
Applicant: City of Sweet Home		County: Linn	Date: May 16, 2000
Investigators: CR/PF		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns:
	Depth to saturation: >14 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION				Status	% Cover
<b>Tree Stratum (0%)</b>		Status	% Cover	<b>Herbaceous Stratum (100%)</b>	
				NI	20
				FACU	10
				FAC	20
				FACU	20
				FAC-	10
				FAC+	10
				UPL	5
<b>Shrub Stratum (0%)</b>		Status	% Cover	UPL	5
				<b>Woody Vine Stratum (0%)</b>	
				Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 33%

**Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-13-29	
Applicant: City of Sweet Home		County: Linn	Date: September 30, 1999	
Investigators: PF/JVS		Township: 13S	Range: 1E	Section: 33

  

		Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:	Yes
	Depth of inundation:		Inches	Drift lines:	
	Depth to free water:	>16	Inches	Drainage patterns:	
	Depth to saturation:	>16	Inches	Oxidized rhizospheres:	Yes
	Other:			Sediment deposits:	
				<b>Criteria Met:</b>	<b>Yes</b>

  

<b>SOILS</b>	Mapped Series: Conser silty clay loam	Hydric Soil?:	Yes
	Classification: Typic Argiaquolls	Drainage Class: poorly drained	

  

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-5	10YR 3/2	SL				
5-16	10YR 3/1	SL	7.5YR 4/4	common, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

					<b>Criteria Met:</b>	<b>Yes</b>
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VEGETATION							
Tree Stratum ( 50% )			Status	% Cover	Herbaceous Stratum ( 10% )	Status	% Cover
<i>Fraxinus latifolia</i> *			FACW	80	<i>Carex obnupta</i> *	OBL	70
			FAC	20		<i>Polystichum munitum</i> *	FACU
<i>Crataegus douglasii</i> *  <b>Shrub Stratum ( 20% )</b>			Status	% Cover	<b>Woody Vine Stratum ( 20% )</b>	Status	% Cover
			FAC	80		<i>Rubus discolor</i> * <i>Rubus ursinus</i> <i>Hedera helix</i> <i>Rubus laciniatus</i>	FACU
FAC-	20	FACU	10				
<i>Rosa nutkana</i> * <i>Rhamnus purshiana</i> *					UPL		15
					FACU+		10

  

Percent of dominant species FAC, FACW, or OBL*:	57%	<b>Criteria Met:</b>	<b>Yes</b>
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<b>Comments:</b> Mosaic 50% upland, 50% wetland.	<b>Determination:</b>	<b>Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-13-30
Applicant: City of Sweet Home		County: Linn	Date: September 30, 1999
Investigators: PF/JVS		Township: 13S	Range: 1E Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >12 Inches	Drainage patterns:
	Depth to saturation: >12 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
<b>Criteria Met:</b>		No

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-12	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

<b>VEGETATION</b>					
Tree Stratum (20%)	Status	% Cover	Herbaceous Stratum (10%)	Status	% Cover
<i>Fraxinus latifolia</i>	FACW	100	<i>Polystichum munitum</i> *	FACU	90
Shrub Stratum (30%)	Status	% Cover			
<i>Rhamnus purshiana</i> *	FAC-	40	Woody Vine Stratum (40%)	Status	% Cover
<i>Amelanchier alnifolia</i> *	FACU	60	<i>Rubus laciniatus</i> *	FACU+	50
			<i>Rubus ursinus</i> *	FACU	30
			<i>Hedera helix</i> *	UPL	20

Percent of dominant species FAC, FACW, or OBL\*: 14% **Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-14-31	
Applicant: City of Sweet Home		County: Linn	Date: September 30, 1999	
Investigators: PF/JVS		Township: 13S	Range: 1E	Section: 33

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns:
	Depth to saturation: >16 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Conser silty clay loam Classification: Typic Argiaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 4/1	SL	7.5YR 4/4	common, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (85%)	Status	% Cover	
			<i>Deschampsia cespitosa</i> *	FACW	20	
			<i>Juncus tenuis</i> *	FACW-	20	
			<i>Holcus lanatus</i>	FAC	10	
			<i>Agrostis stolonifera</i> *	FAC	20	
			<i>Scirpus cyperinus</i>	OBL	5	
			<i>Carex pachystachya</i>	FAC	5	
			<i>Plantago lanceolata</i>	FAC	5	
			<i>Festuca arundinacea</i>	FAC-	10	
Shrub Stratum (15%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	
<i>Fraxinus latifolia</i> *	FACW	40				
<i>Crataegus douglasii</i> *	FAC	30				
<i>Spiraea douglasii</i> *	FACW	30				

Percent of dominant species FAC, FACW, or OBL\*: 100%

**Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-16-32
Applicant: City of Sweet Home		County: Linn	Date: October 5, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 32

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns:
	Depth to saturation: >14 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Bashaw silty clay Classification: Typic Pelloxererts	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL				gravel through-out

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (90%)	Status	% Cover	
			<i>Daucus carota</i> *	UPL	30	
			<i>Hypochaeris radicata</i> *	FACU	20	
			<i>Taraxacum officinale</i> *	FACU	20	
			<i>Panicum capillare</i> *	FAC	20	
			<i>Rumex acetosella</i>	FACU+	10	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (10%)	Status	% Cover	
			<i>Rubus laciniatus</i> *	FACU+	100	

Percent of dominant species FAC, FACW, or OBL\*: 20% **Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-16-33
Applicant: City of Sweet Home		County: Linn	Date: October 5, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 32

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: 8 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Bashaw silty clay Classification: Typic Pelloxererts	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 2/1	SCL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

### VEGETATION

Tree Stratum (30%)	Status	% Cover	Herbaceous Stratum (20%)	Status	% Cover
<i>Fraxinus latifolia</i> *	FACW	100	<i>Carex obnupta</i> *	OBL	80
			<i>Oenanthe sarmentosa</i> *	OBL	20
Shrub Stratum (40%)	Status	% Cover			
<i>Cornus stolonifera</i> *	FACW	60			
<i>Salix sitchensis</i> *	FACW	40	Woody Vine Stratum (10%)	Status	% Cover
			<i>Solanum dulcamara</i> *	FAC+	100

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments: **Determination: Wetland**



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-17-34	
Applicant: City of Sweet Home		County: Linn	Date: October 15, 1999	
Investigators: FS/PF		Township: 13S	Range: 1E	Section: 32

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns:
	Depth to saturation: >16 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Ochrepts, very steep Classification: Ochrepts	Hydric Soil?: No Drainage Class: well drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION													
Tree Stratum (40%)			Status	% Cover	Herbaceous Stratum (20%)		Status	% Cover					
<i>Corylus cornuta</i> *			FACU	35	<i>Carex deweyana</i> *		FACU	30					
			<i>Fraxinus latifolia</i> *				FACW	65	<i>Polystichum munitum</i> *		FACU	20	
											<i>Lactuca serriola</i> *		FACU
Shrub Stratum (20%)			Status	% Cover	Woody Vine Stratum (20%)		Status	% Cover					
<i>Corylus cornuta</i> *			FACU	80	<i>Rubus discolor</i> *		FACU	50					
			<i>Amelanchier alnifolia</i> *				FACU	20	<i>Rubus ursinus</i> *		FACU	50	

Percent of dominant species FAC, FACW, or OBL\*: 11% **Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>	Sample Site: <b>SSR-17-35</b>
Applicant: <b>City of Sweet Home</b>	County: <b>Linn</b>	Date: <b>October 15, 1999</b>	
Investigators: <b>FS/PF</b>	Township: <b>13S</b>	Range: <b>1E</b>	Section: <b>32</b>

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): <b>No</b> Depth of inundation: <b>      </b> Inches Depth to free water: <b>7</b> Inches Depth to saturation: <b>5</b> Inches Other:	Water marks: Drift lines: Drainage patterns: Oxidized rhizospheres: Sediment deposits:
<b>Criteria Met:</b>		<b>Yes</b>

<b>SOILS</b>	<b>Mapped Series:</b> Bashaw silty clay <b>Classification:</b> Typic Pelloxererts	<b>Hydric Soil?:</b> Yes <b>Drainage Class:</b> poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	10YR 2/1	SL				
8-14	10YR 3/1	GL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay  
 GL=Gravelly Loam

<b>Criteria Met:</b>	<b>Yes</b>
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VEGETATION						
Tree Stratum (40%)			Herbaceous Stratum (35%)		Status % Cover	
<i>Alnus rubra</i> *	FAC	40	<i>Carex obnupta</i> *	OBL	80	
<i>Fraxinus latifolia</i> *	FACW	60	<i>Senecio triangularis</i>	FACW+	10	
			<i>Equisetum arvense</i>	FAC	10	
Shrub Stratum (20%)			Woody Vine Stratum (5%)		Status % Cover	
<i>Physocarpus capitatus</i> *	FACW-	80	<i>Rubus ursinus</i> *	FACU	60	
<i>Spiraea douglasii</i> *	FACW	20	<i>Rubus discolor</i> *	FACU	40	

Percent of dominant species FAC, FACW, or OBL*:	71%	<b>Criteria Met:</b>	<b>Yes</b>
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Comments:	<b>Determination:</b>	<b>Wetland</b>
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-17-36
Applicant: City of Sweet Home		County: Linn	Date: October 15, 1999
Investigators: FS/PF		Township: 13S	Range: 1E Section: 32

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns: Yes
	Depth to saturation: >14 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Bashaw silty clay Classification: Typic Pelloxererts	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 2/1	SCL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (50%)	Status	% Cover	
			<i>Alopecurus pratensis</i> *	FACW	30	
			<i>Festuca arundinacea</i> *	FAC-	30	
			<i>Bromus sp.</i>	FACU	10	
			<i>Cirsium arvense</i>	FACU+	5	
			<i>Carex sp.*</i>	FAC -FACW	25	
Shrub Stratum (50%)	Status	% Cover				
<i>Salix piperi</i> *	FACW	90				
<i>Fraxinus latifolia</i>	FACW	10				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: 75% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-17-37
Applicant: City of Sweet Home		County: Linn	Date: October 15, 1999
Investigators: FS/PF		Township: 13S	Range: 1E Section: 32

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns:
	Depth to saturation: >16 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
<b>Criteria Met:</b>		<b>No</b>

<b>SOILS</b>	Mapped Series: Bashaw silty clay	Hydric Soil?: Yes
	Classification: Typic Pelloxererts	Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION					
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			<i>Holcus lanatus</i>	FAC	10
			<i>Anthoxanthum odoratum</i> *	FACU	20
			<i>Festuca arundinacea</i> *	FAC-	20
			<i>Dactylis glomerata</i> *	FACU	20
			<i>Chrysanthemum leucanthemum</i>	UPL	5
			<i>Daucus carota</i>	UPL	10
			<i>Prunella vulgaris</i>	FACU+	10
			<i>Plantago lanceolata</i>	FAC	5
<b>Shrub Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>	<b>Status</b>	<b>% Cover</b>

Percent of dominant species FAC, FACW, or OBL\*: 0% **Criteria Met: No**

Comments: **Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-20-38
Applicant: City of Sweet Home		County: Linn	Date: September 30, 1999
Investigators: PF/JVS		Township: 13S	Range: 1E Section: 28

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: 6 Inches	Drainage patterns:
	Depth to saturation: 0 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Sifton variant gravelly loam Classification: Andic Xerumbrepts	Hydic Soil?: No Drainage Class: somewhat excessively drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydic Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14					H2S odor	bark material

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION				Status	% Cover
<b>Tree Stratum (0%)</b>	Status	% Cover	<b>Herbaceous Stratum (100%)</b>		
			<i>Juncus acuminatus</i> *	OBL	80
			<i>Ludwigia palustris</i> *	OBL	20
<b>Shrub Stratum (0%)</b>	Status	% Cover			
			<b>Woody Vine Stratum (0%)</b>	Status	% Cover

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-21A-39			
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999			
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 28			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:				
	Depth of inundation: Inches		Drift lines:				
	Depth to free water: >16 Inches		Drainage patterns: Yes				
	Depth to saturation: >16 Inches		Oxidized rhizospheres: Yes				
	Other:		Sediment deposits:				
<b>Criteria Met:</b>					<b>Yes</b>		
<b>SOILS</b>		Mapped Series: Sifton variant gravelly loam		Hydric Soil?: No			
		Classification: Andic Xerumbrepts		Drainage Class: somewhat excessively drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 3/2	SCL	7.5YR 4/6	common, medium, distinct			
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						<b>Criteria Met: Yes</b>	
<b>VEGETATION</b>							
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (60%)</b>		<b>Status</b>	<b>% Cover</b>
				<i>Phalaris arudinacea</i> * <i>Bidens cernua</i> * <i>Juncus effusus</i> *		FACW	60
						FACW+	10
						FACW	30
<b>Shrub Stratum (40%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Spiraea douglasii</i> *		FACW	40				
<i>Salix scoulerana</i> *		FAC	60				
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>	
Comments:							
						<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-21A-40			
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999			
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 28			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:				
	Depth of inundation: Inches		Drift lines:				
	Depth to free water: >15 Inches		Drainage patterns:				
	Depth to saturation: >15 Inches		Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met: No</b>							
<b>SOILS</b>		Mapped Series: Sifton variant gravelly loam		Hydric Soil?: No			
		Classification: Andic Xerumbrepts		Drainage Class: somewhat excessively drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-15	10YR 3/2	S					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: No</b>							
<b>VEGETATION</b>							
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (30%)</b>		<b>Status</b>	<b>% Cover</b>
				<i>Equisetum arvense*</i>		FAC	100
<b>Shrub Stratum (10%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (60%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Cytisus scoparius*</i>		UPL	100	<i>Rubus discolor*</i>		FACU	100
Percent of dominant species FAC, FACW, or OBL*:						33%	<b>Criteria Met: No</b>
Comments:							
<b>Determination: Upland</b>							



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-21B-41	
Applicant: City of Sweet Home		County: Linn	Date: September 30, 1999	
Investigators: PF/JVS		Township: 13S	Range: 1E	Section: 28

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: >16 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
<b>Criteria Met: Yes</b>		

<b>SOILS</b>	Mapped Series: Sifton variant gravelly loam	Hydric Soil?: No
	Classification: Andic Xerumbrepts	Drainage Class: somewhat excessively drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-4	10YR 3/2	SL				wood debris/soil
4-16	10YR 3/1	SL	7.5YR 4/6	few, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (90%)	Status	% Cover	
			<i>Agrostis stolonifera</i> *	FAC	40	
			<i>Bidens cernua</i>	FACW+	10	
			<i>Juncus effusus</i>	FACW	10	
			<i>Holcus lanatus</i>	FAC	10	
			<i>Juncus patens</i> *	FACW	20	
			<i>Echinochloa crus-galli</i>	FACW	10	
Shrub Stratum (10%)	Status	% Cover				
<i>Rosa pisocarpa</i> *	FAC	100				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: 100%

**Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-21B-42					
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999					
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 28					
<u>Primary Indicators</u>			<u>Secondary Indicators</u>						
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:						
	Depth of inundation: Inches		Drift lines:						
	Depth to free water: >16 Inches		Drainage patterns:						
	Depth to saturation: >16 Inches		Oxidized rhizospheres:						
	Other:		Sediment deposits:						
<b>Criteria Met: No</b>									
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No					
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained					
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments			
			Color	abundance/size/contrast					
0-16	10YR 3/3	SL				wood debris and cobbles			
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay									
<b>Criteria Met: No</b>									
<b>VEGETATION</b>									
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (5%)		Status	% Cover		
				<i>Holcus lanatus</i> *		FAC	100		
Shrub Stratum (65%)		Status	% Cover	Woody Vine Stratum (30%)		Status	% Cover		
<i>Salix scouleriana</i> *		FAC	30	<i>Rubus discolor</i> *		FACU	50		
<i>Symphoricarpos albus</i> *		FACU	20			<i>Rubus laciniatus</i> *		FACU+	50
<i>Populus trichocarpa</i> *		FAC	50						
Percent of dominant species FAC, FACW, or OBL*:				50%		<b>Criteria Met: No</b>			
Comments:									
<b>Determination: Upland</b>									



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-21C-43
Applicant: City of Sweet Home		County: Linn	Date: September 30, 1999
Investigators: PF/JVS		Township: 13S	Range: 1E Section: 28

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: >16 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam	Hydric Soil?: No
	Classification: Typic Argiaquolls	Drainage Class: somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-4	10YR 3/2	SL	10YR 4.6	common, medium, distinct		
4-16	10YR 3/1	SL	7.5YR 4/6	common, medium, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met: Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Phalaris arundinacea*</i>	FACW	100	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL*: 100%	<b>Criteria Met: Yes</b>
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Comments:	<b>Determination: Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-21C-44				
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999				
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 28				
<b>Primary Indicators</b>			<b>Secondary Indicators</b>					
<b>HYDROLOGY</b>			<b>Water marks:</b>					
Inundated (Yes/No): No			Drift lines:					
Depth of inundation: Inches			Drainage patterns:					
Depth to free water: >14 Inches			Oxidized rhizospheres:					
Depth to saturation: >14 Inches			Sediment deposits:					
Other:			<b>Criteria Met: No</b>					
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No				
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained				
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments		
			Color	abundance/size/contrast				
0-14	10YR 3/2	SL						
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay								
<b>Criteria Met: No</b>								
<b>VEGETATION</b>								
<b>Tree Stratum (10%)</b>			<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (90%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Fraxinus latifolia</i> *			FACW	100	<i>Festuca arundinacea</i> *		FAC-	60
					<i>Agrostis tenuis</i> *		FAC	20
					<i>Daucus carota</i>		UPL	10
					<i>Anthoxanthum odoratum</i>		FACU	10
<b>Shrub Stratum (0%)</b>			<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				67%		<b>Criteria Met: Yes</b>		
Comments:								
<b>Determination: Upland</b>								



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-21C-45		
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999			
Investigators: PF/JVS		Township: 13S		Range: 1E		Section: 28	
<b>Primary Indicators</b>				<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>		Inundated (Yes/No): No		Water marks:			
		Depth of inundation: Inches		Drift lines:			
		Depth to free water: >16 Inches		Drainage patterns: Yes			
		Depth to saturation: 0 Inches		Oxidized rhizospheres: Yes			
		Other:		Sediment deposits:			
				<b>Criteria Met: Yes</b>			
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No			
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 3/1	SCL	7.5YR 4/6	common, fine, distinct			
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
						<b>Criteria Met: Yes</b>	
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		Status	% Cover
				<i>Phalaris arundinacea</i> *		FACW	25
				<i>Bidens cernua</i>		FACW+	5
				<i>Myosotis discolor</i>		FACW	5
				<i>Leersia oryzoides</i> *		OBL	20
				<i>Juncus patens</i> *		FACW	25
				<i>Veronica americana</i> *		OBL	20
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>	
Comments:							
						<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-23-46						
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999						
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 28						
<b>Primary Indicators</b>			<b>Secondary Indicators</b>							
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:							
	Depth of inundation: Inches		Drift lines:							
	Depth to free water: >14 Inches		Drainage patterns:							
	Depth to saturation: >14 Inches		Oxidized rhizospheres:							
	Other:		Sediment deposits:							
<b>Criteria Met: No</b>										
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No						
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained						
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments				
			Color	abundance/size/contrast						
0-14	10YR 3/2	SL								
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay										
<b>Criteria Met: No</b>										
<b>VEGETATION</b>										
Tree Stratum (20%)			Status	% Cover	Herbaceous Stratum (10%)		Status	% Cover		
<i>Fraxinus latifolia</i> *			FACW	100	<i>Geum macrophyllum</i> *		FACW-	20		
					<i>Elymus glaucus</i> *		FACU	20		
					<i>Holcus lanatus</i> *		FAC	20		
					<i>Agrostis tenuis</i> *		FAC	20		
					<i>Carex deweyana</i>		FACU	10		
Shrub Stratum (10%)			Status	% Cover	Woody Vine Stratum (60%)		Status	% Cover		
<i>Corylus cornuta</i> *			FACU	30	<i>Rubus laciniatus</i> *		FACU+	20		
<i>Rosa nutkana</i> *			FAC	70			<i>Rubus ursinus</i> *		FACU	40
							<i>Rubus discolor</i> *		FACU	40
Percent of dominant species FAC, FACW, or OBL*:						50%	<b>Criteria Met: No</b>			
Comments:										
<b>Determination: Upland</b>										



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-23-47		
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999			
Investigators: PF/JVS		Township: 13S		Range: 1E		Section: 28	
<b>Primary Indicators</b>				<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>		Inundated (Yes/No): No		Water marks:			
		Depth of inundation: Inches		Drift lines:			
		Depth to free water: >12 Inches		Drainage patterns: Yes			
		Depth to saturation: >12 Inches		Oxidized rhizospheres: Yes			
		Other:		Sediment deposits:			
				<b>Criteria Met: Yes</b>			
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No			
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-12	10YR 2/1	SCL	10YR 4/4	common, medium, distinct			
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
				<b>Criteria Met: Yes</b>			
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (80%)		Status	% Cover
				<i>Veronica scutellata</i> *		OBL	25
				<i>Juncus effusus</i> *		FACW	20
				<i>Juncus patens</i>		FACW	10
				<i>Juncus ensifolius</i>		FACW	5
				<i>Festuca arundinacea</i> *		FAC-	20
				<i>Holcus lanatus</i> *		FAC	20
Shrub Stratum (20%)		Status	% Cover				
<i>Fraxinus latifolia</i> *		FACW	100				
Woody Vine Stratum (0%)		Status	% Cover				
Percent of dominant species FAC, FACW, or OBL*:				80%		<b>Criteria Met: Yes</b>	
Comments:							
				<b>Determination: Wetland</b>			



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-23-48				
Applicant: City of Sweet Home		County: Linn			Date: September 30, 1999				
Investigators: PF/JVS		Township: 13S		Range: 1E		Section: 28			
<u>Primary Indicators</u>				<u>Secondary Indicators</u>					
<b>HYDROLOGY</b>		Inundated (Yes/No): No		Water marks:					
		Depth of inundation: Inches		Drift lines:					
		Depth to free water: 20 Inches		Drainage patterns: Yes					
		Depth to saturation: Inches		Oxidized rhizospheres: Yes					
		Other: algal mats		Sediment deposits:					
				<b>Criteria Met: Yes</b>					
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No					
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained					
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments			
			Color	abundance/size/contrast					
0-14	2.5Y 2.5/1	SCL	10YR 4/6	common, coarse, distinct	H2S odor				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay									
				<b>Criteria Met: Yes</b>					
<b>VEGETATION</b>									
<b>Tree Stratum (40%)</b>			<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (40%)</b>		<b>Status</b>	<b>% Cover</b>	
<i>Fraxinus latifolia</i> *			FACW	100	<i>Phalaris arundinacea</i> *		FACW	100	
<b>Shrub Stratum (20%)</b>			<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>			<b>Status</b>	<b>% Cover</b>
<i>Spiraea douglasii</i> *			FACW	100					
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>			
Comments:							<b>Determination: Wetland</b>		



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>	Number: <b>9-1884</b>	Sample Site: <b>SSR-23-49</b>
Applicant: <b>City of Sweet Home</b>	County: <b>Linn</b>	Date: <b>September 30, 1999</b>
Investigators: <b>PF/JVS</b>	Township: <b>13S</b>	Range: <b>1E</b> Section: <b>28</b>

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): <b>No</b>	Water marks:
	Depth of inundation: <b>Inches</b>	Drift lines:
	Depth to free water: <b>&gt;14 Inches</b>	Drainage patterns:
	Depth to saturation: <b>&gt;14 Inches</b>	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: <b>Clackamas gravelly silt loam</b>	Hydric Soil?: <b>No</b>
	Classification: <b>Typic Argiaquolls</b>	Drainage Class: <b>somewhat poorly drained</b>

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met: No</b>
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VEGETATION						
Tree Stratum ( 40% )	Status	% Cover	Herbaceous Stratum ( 10% )	Status	% Cover	
<i>Quercus garryana</i> *	UPL	100	<i>Polystichum munitum</i> *	FACU	70	
			<i>Carex deweyana</i> *	FACU	30	
Shrub Stratum ( 40% )	Status	% Cover				
<i>Corylus cornuta</i> *	FACU	30				
<i>Symphoricarpos albus</i> *	FACU	25				
<i>Cornus stolonifera</i>	FACW	10	Woody Vine Stratum ( 10% )	Status	% Cover	
<i>Amelanchier alnifolia</i> *	FACU	20	<i>Rubus ursinus</i> *	FACU	100	
<i>Acer circinatum</i>	FAC-	10				
<i>Rhamnus purshiana</i>	FAC-	5				

Percent of dominant species FAC, FACW, or OBL*:	0%	<b>Criteria Met: No</b>
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Comments:	<b>Determination: Upland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-24A-50			
Applicant: City of Sweet Home		County: Linn		Date: 10/28/99			
Investigators: PF, JVS		Township: 13S		Range: 1E Section: 28			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:				
	Depth of inundation: Inches		Drift lines:				
	Depth to free water: >16 Inches		Drainage patterns:				
	Depth to saturation: >16 Inches		Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met: No</b>							
<b>SOILS</b>			Mapped Series: Ochrepts, very steep		Hydric Soil?: No		
			Classification: Ochrepts		Drainage Class: well - moderately well drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 2/2	SL				lots of pebbles and cobbles	
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: No</b>							
<b>VEGETATION</b>							
<b>Tree Stratum (50%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Acer macrophyllum</i> *		FACU	100				
<b>Shrub Stratum (40%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (10%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Rubus spectabilis</i> *		FAC+	65	<i>Rubus ursinus</i> *		FACU	100
<i>Corylus cornuta</i> *		FACU	35				
Percent of dominant species FAC, FACW, or OBL*:						25%	<b>Criteria Met: No</b>
Comments:							
<b>Determination: Upland</b>							



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-24A-51				
Applicant: City of Sweet Home		County: Linn		Date: 10/28/99				
Investigators: PF, JVS		Township: 13S		Range: 1E Section: 28				
<u>Primary Indicators</u>			<u>Secondary Indicators</u>					
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:				
	Depth of inundation:	Inches		Drift lines:				
	Depth to free water:	>16 Inches		Drainage patterns:				
	Depth to saturation:	>16 Inches		Oxidized rhizospheres: Yes				
	Other:			Sediment deposits:				
<b>Criteria Met: Yes</b>								
<b>SOILS</b>		Mapped Series: Courtney gravelly silty clay loam		Hydric Soil?: Yes				
		Classification: Abrupt Argiaquolls		Drainage Class: poorly drained				
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments		
			Color	abundance/size/contrast				
0-4	10YR 4/2	SL						
4-16	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay								
<b>Criteria Met: Yes</b>								
<b>VEGETATION</b>								
Tree Stratum (30%)			Status	% Cover	Herbaceous Stratum (60%)		Status	% Cover
<i>Fraxinus latifolia</i> *			FACW	100	<i>Carex obnupta</i> *		OBL	100
Shrub Stratum (10%)			Status	% Cover	Woody Vine Stratum (0%)		Status	% Cover
<i>Cornus stolonifera</i> *			FACW	100				
Percent of dominant species FAC, FACW, or OBL*:						100%	<b>Criteria Met: Yes</b>	
Comments:								
<b>Determination: Wetland</b>								



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-24A-52		
Applicant: City of Sweet Home		County: Linn		Date: 10/28/99		
Investigators: PF, JVS		Township: 13S		Range: 1E Section: 28		
<u>Primary Indicators</u>			<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No): Yes		Water marks:			
	Depth of inundation:	1 Inches	Drift lines:			
	Depth to free water:	Inches	Drainage patterns: Yes			
	Depth to saturation:	0 Inches	Oxidized rhizospheres: Yes			
	Other:		Sediment deposits:			
<b>Criteria Met:</b>					<b>Yes</b>	
<b>SOILS</b>						
Mapped Series: Courtney gravelly silty clay loam			Hydric Soil?: Yes			
Classification: Abrupt Argiaquolls			Drainage Class: poorly drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SCL	10YR 4/6	common, medium, distinct		
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met:</b>					<b>Yes</b>	
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (70%)</b>		
				<i>Juncus effusus</i> *	FACW	25
				<i>Carex obnupta</i> *	OBL	25
				<i>Lotus corniculatus</i> *	FAC	30
				<i>Juncus patens</i> *	FACW	20
<b>Shrub Stratum (10%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (20%)</b>		
<i>Fraxinus latifolia</i> *		FACW	50			
<i>Rosa pisocarpa</i> *		FAC	50			
				<i>Rubus laciniatus</i> *	FACU+	100
Percent of dominant species FAC, FACW, or OBL*:				86%		<b>Criteria Met: Yes</b>
Comments:						
<b>Determination:</b>					<b>Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>	Sample Site: <b>SSR-24B-53</b>	
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>	Date: <b>10/28/99</b>	
Investigators: <b>PF, JVS</b>		Township: <b>13S</b>	Range: <b>1E</b>	Section: <b>28</b>

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): <b>No</b>	Water marks:
	Depth of inundation: <b>Inches</b>	Drift lines:
	Depth to free water: <b>&gt;16 Inches</b>	Drainage patterns:
	Depth to saturation: <b>&gt;16 Inches</b>	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

**SOILS**      Mapped Series: Courtney gravelly silty clay loam      Hydric Soil?: **Yes**  
 Classification: Abrupt Argiaquolls      Drainage Class: poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (30%)	Status	% Cover	
			<i>Agrostis tenuis</i> *	FAC	70	
			<i>Juncus patens</i>	FACW	10	
			<i>Festuca arundinacea</i> *	FAC-	20	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (70%)	Status	% Cover	
			<i>Rubus ursinus</i> *	FACU	25	
			<i>Rubus discolor</i> *	FACU	40	
			<i>Rubus laciniatus</i> *	FACU+	35	

Percent of dominant species FAC, FACW, or OBL\*: **20%**      **Criteria Met: No**

Comments: **Wetland/Upland mosaic**

**Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-25A-54		
Applicant: City of Sweet Home		County: Linn		Date: 10/28/99		
Investigators: PF, JVS		Township: 13S		Range: 1E Section: 29		
<b>Primary Indicators</b>			<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:			
	Depth of inundation:	Inches	Drift lines:			
	Depth to free water:	>16 Inches	Drainage patterns:			
	Depth to saturation:	>16 Inches	Oxidized rhizospheres: Yes			
	Other:		Sediment deposits:			
<b>Criteria Met:</b>					<b>Yes</b>	
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No		
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL	5 YR 3/4	common, medium, distinct		
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay					<b>Criteria Met: Yes</b>	
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (80%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Carex stipata</i> *		OBL 20
				<i>Holcus lanatus</i> *		FAC 40
				<i>Juncus effusus</i>		FACW 10
				<i>Agrostis tenuis</i>		FAC 10
				<i>Vicia sativa</i>		UPL 10
				<i>Cirsium vulgare</i>		FACU 5
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (20%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Rubus discolor</i> *		FACU 100
Percent of dominant species FAC, FACW, or OBL*:				67%		<b>Criteria Met: Yes</b>
Comments:						<b>Determination: Wetland</b>



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI	Number: 9-1884	Sample Site: SSR-25A-55
Applicant: City of Sweet Home	County: Linn	Date: 10/28/99
Investigators: PF, JVS	Township: 13S	Range: 1E Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns:
	Depth to saturation: >16 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL				refused at 6 inches due to rocks

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (30%)	Status	% Cover	
			<i>Agrostis tenuis</i> *	FAC	60	
			<i>Holcus lanatus</i> *	FAC	30	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (75%)	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	100	

Percent of dominant species FAC, FACW, or OBL\*: 67% **Criteria Met: Yes**

Comments:

**Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-29A-56		
Applicant: City of Sweet Home		County: Linn		Date: October 21, 1999		
Investigators: JVS/PF		Township: 13S		Range: 1E Section: 28		
<b>Primary Indicators</b>			<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks: Yes			
	Depth of inundation:	Inches	Drift lines:			
	Depth to free water:	>16 Inches	Drainage patterns:			
	Depth to saturation:	>16 Inches	Oxidized rhizospheres: Yes			
	Other:		Sediment deposits:			
<b>Criteria Met:</b>					<b>Yes</b>	
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No		
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-2	organic	SL				
2-4	10YR 3/2	SL				
4-16	7.5YR 2/5/1	SL	7.5YR 4/6	common, many, distinct		
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met:</b>					<b>Yes</b>	
<b>VEGETATION</b>						
Tree Stratum ( 0% )		Status	% Cover	Herbaceous Stratum ( 30% )		
				<i>Polygonum sp.</i> <i>Phalaris arundinacea*</i>		<b>FACW</b> 50 <b>FACW</b> 50
Shrub Stratum ( 70% )		Status	% Cover	Woody Vine Stratum ( 0% )		
<i>Fraxinus latifolia*</i>		<b>FACW</b>	30			
<i>Salix lasiandra*</i>		<b>FACW+</b>	30			
<i>Spiraea douglasii*</i>		<b>FACW</b>	20			
<i>Cornus stolonifera*</i>		<b>FACW</b>	20			
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>
Comments:						<b>Determination: Wetland</b>



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-29A-57	
Applicant: City of Sweet Home		County: Linn			Date: October 21, 1999	
Investigators: JVS/PF		Township: 13S	Range: 1E	Section: 28		

  

Primary Indicators			Secondary Indicators			
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:			
	Depth of inundation:	Inches	Drift lines:			
	Depth to free water:	>10 Inches	Drainage patterns:			
	Depth to saturation:	>10 Inches	Oxidized rhizospheres:			
	Other:		Sediment deposits:			
					<b>Criteria Met:</b>	<b>No</b>

  

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No	Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-10	10YR 3/3	SL				cobbles

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>No</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover	
			<i>Holcus lanatus</i> *	FAC	20	
			<i>Vicia sp.</i>	UPL	10	
			<i>Agropyron repens</i> *	FACU	35	
			<i>Daucus carota</i> *	UPL	30	
			<i>Cirsium arvense</i>	FACU+	5	
Shrub Stratum (10%)	Status	% Cover				
<i>Rosa sp.</i> *	FAC	20				
<i>Populus trichocarpa</i> *	FAC	80				
			Woody Vine Stratum (20%)	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	75	
			<i>Rubus laciniatus</i> *	FACU+	25	

  

Percent of dominant species FAC, FACW, or OBL*:	43%	<b>Criteria Met:</b>	<b>No</b>
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Comments:	<b>Determination:</b>	<b>Upland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-29A-58	
Applicant: City of Sweet Home		County: Linn			Date: October 21, 1999	
Investigators: JVS/PF		Township: 13S		Range: 1E		Section: 28

  

Primary Indicators				Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:	Yes	
	Depth of inundation:	Inches		Drift lines:		
	Depth to free water:	>14	Inches	Drainage patterns:	Yes	
	Depth to saturation:	>14	Inches	Oxidized rhizospheres:		
	Other:			Sediment deposits:		
<b>Criteria Met:</b>						<b>Yes</b>

  

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No	
	Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained	

  

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL	10YR 4/6	few, faint, coarse		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>						<b>Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (20%)	Status	% Cover	
			<i>Juncus patens</i> *	FACW	50	
			<i>Juncus effusus</i> *	FACW	50	
Shrub Stratum (80%)	Status	% Cover				
<i>Spiraea douglasii</i> *	FACW	30				
<i>Rosa pisocarpa</i> *	FAC	20				
<i>Populus trichocarpa</i> *	FAC	40				
<i>Cornus stolonifera</i>	FACW	10				
			Woody Vine Stratum (0%)	Status	% Cover	

  

Percent of dominant species FAC, FACW, or OBL*:		100%	<b>Criteria Met:</b>		<b>Yes</b>
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<b>Comments:</b>					<b>Determination:</b>	<b>Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-29A-59	
Applicant: City of Sweet Home		County: Linn		Date: October 21, 1999		
Investigators: JVS/PF		Township: 13S		Range: 1E		Section: 28

  

Primary Indicators				Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:		
	Depth of inundation:		Inches	Drift lines:		
	Depth to free water:	>10	Inches	Drainage patterns:		
	Depth to saturation:	>10	Inches	Oxidized rhizospheres:		
	Other:			Sediment deposits:		
<b>Criteria Met:</b>						No

  

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	10YR 3/3	SL				Refused at 8 inches

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>						No
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VEGETATION						
Tree Stratum ( 0% )	Status	% Cover	Herbaceous Stratum ( 20% )	Status	% Cover	
			<i>Holcus lanatus</i>	FAC	10	
			<i>Phalaris arundinacea</i> *	FACW	30	
			<i>Agrostis tenuis</i> *	FAC	60	
Shrub Stratum ( 40% )	Status	% Cover				
<i>Populus trichocarpa</i> *	FAC	100				
Woody Vine Stratum ( 40% )	Status	% Cover				
<i>Rubus discolor</i> *	FACU	100				

  

Percent of dominant species FAC, FACW, or OBL*:		75%	<b>Criteria Met:</b>		Yes
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Comments:					
				<b>Determination:</b>	Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>	Sample Site: <b>SSR-29B-60</b>	
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>	Date: <b>October 21, 1999</b>	
Investigators: <b>JVS/PF</b>		Township: <b>13S</b>	Range: <b>1E</b>	Section: <b>28</b>

Primary Indicators		Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	Yes	Water marks:	Yes
	Depth of inundation:	>2 Inches	Drift lines:	
	Depth to free water:	Inches	Drainage patterns:	
	Depth to saturation:	Inches	Oxidized rhizospheres:	Yes
	Other:		Sediment deposits:	
			<b>Criteria Met:</b>	<b>Yes</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam	Hydric Soil?:	No
	Classification: Typic Argiaquolls	Drainage Class: somewhat poorly drained	

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-1	organic duff					
1-14	10YR 3/2	SL	7.5YR 4/6	common, fine, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

### VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (10%)	Status	% Cover
			<i>Carex obnupta</i> *	OBL	100
Shrub Stratum (90%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover
<i>Salix scouleriana</i> *	FAC	40			
<i>Populus trichocarpa</i> *	FAC	30			
<i>Fraxinus latifolia</i> *	FACW	30			

Percent of dominant species FAC, FACW, or OBL\*: **100%**

**Criteria Met: Yes**

Comments:

**Determination: Wetland**



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-29B-61
Applicant: City of Sweet Home		County: Linn	Date: October 21, 1999
Investigators: JVS/PF		Township: 13S	Range: 1E Section: 28

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >10 Inches	Drainage patterns:
	Depth to saturation: >10 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam	Hydric Soil?: No
	Classification: Typic Argiaquolls	Drainage Class: somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-10	10YR 3/4	SL				refused at 10 inches due to rock

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

VEGETATION						
Tree Stratum ( 0% )	Status	% Cover	Herbaceous Stratum ( 25% )	Status	% Cover	
			<i>Phleum pratense</i> *	FAC-	30	
			<i>Lathyrus latifolius</i> *	UPL	70	
Shrub Stratum ( 25% )	Status	% Cover				
<i>Cytisus scoparius</i> *	UPL	40				
<i>Populus trichocarpa</i> *	FAC	60				
			Woody Vine Stratum ( 50% )	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	80	
			<i>Rubus laciniatus</i> *	FACU+	20	

Percent of dominant species FAC, FACW, or OBL\*: 17% **Criteria Met:** No

Comments:

**Determination:** Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-35A-63	
Applicant: City of Sweet Home		County: Linn	Date: August 19, 1999	
Investigators: CR/PF		Township: 13S	Range: 1E	Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): Yes	Water marks:
	Depth of inundation: 2 Inches	Drift lines:
	Depth to free water: Inches	Drainage patterns:
	Depth to saturation: 0 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Pits Classification: N/A	Hydric Soil?: No Drainage Class: N/A
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	10YR 3/2 10YR 4/1	SD				gravelly rock throughout refusal at 8 inches due to rock

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Mimulus guttatus</i>	OBL	10	
			<i>Bidens cernua</i>	FACW+	10	
			<i>Polygonum lapathifolium*</i>	FACW	20	
			<i>Lotus corniculatus*</i>	FAC	30	
			<i>Juncus balticus*</i>	FACW+	20	
			<i>Eleocharis ovata</i>	OBL	10	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL*:	100%	<b>Criteria Met:</b>	<b>Yes</b>
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Comments:	<b>Determination:</b>	<b>Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-35B-64	
Applicant: City of Sweet Home		County: Linn		Date: August 19, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E		Section: 29

  

Primary Indicators				Secondary Indicators			
<b>HYDROLOGY</b>	Inundated (Yes/No):	Yes		Water marks:	Yes		
	Depth of inundation:	1	Inches	Drift lines:			
	Depth to free water:		Inches	Drainage patterns:	Yes		
	Depth to saturation:		Inches	Oxidized rhizospheres:			
	Other:			Sediment deposits:			
<b>Criteria Met:</b>							<b>Yes</b>

  

<b>SOILS</b>	Mapped Series: Pits Classification: N/A	Hydric Soil?: No Drainage Class: N/A
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-2	10YR 2/2	organic slime				Refused at 8 inches by rock/gravel
2-8	gravel					

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>							<b>Yes</b>
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VEGETATION								
Tree Stratum (20%)			Status	% Cover	Herbaceous Stratum (60%)		Status	% Cover
<i>Alnus rubra</i> *			FAC	100	<i>Myosotis discolor</i> *		FACW	20
					<i>Rumex conglomeratus</i> *		FACW	20
					<i>Holcus lanatus</i>		FAC	15
					<i>Mimulus guttatus</i>		OBL	5
					<i>Juncus ensifolius</i>		FACW	10
					<i>Juncus balticus</i>		FACW+	5
Shrub Stratum (20%)			Status	% Cover	<i>Polygonum lapathifolium</i>		FACW	5
<i>Salix sitchensis</i> *			FACW	100	<i>Juncus effusus</i>		FACW	10
					Woody Vine Stratum (0%)		Status	% Cover

  

Percent of dominant species FAC, FACW, or OBL*:			100%	<b>Criteria Met:</b>		<b>Yes</b>
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<b>Comments:</b>						<b>Determination:</b>	<b>Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home I.WI		Number: 9-1884	Sample Site: SSR-35B-65
Applicant: City of Sweet Home		County: Linn	Date: August 19, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns:
	Depth to saturation: >18 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: Salem gravelly silt loam Classification: Pachic Ultic Argixerolls	Hydric Soil?: No Drainage Class: well drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION						
Tree Stratum ( 30% )			Status	% Cover	Herbaceous Stratum ( 50% )	
<i>Pseudotsuga menziesii</i> *			FACU	40	<i>Polystichum munitum</i> *	
<i>Acer macrophyllum</i> *			FACU	60		
Shrub Stratum ( 20% )			Status	% Cover	Woody Vine Stratum ( 0% )	
<i>Acer circinatum</i> *			FAC-	70		
<i>Oemlaria cerasiformis</i>			FACU	10		
<i>Corylus cornuta</i> *			FACU	20		

Percent of dominant species FAC, FACW, or OBL\*: 0% **Criteria Met: No**

Comments:

**Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-36A-139	
Applicant: City of Sweet Home		County: Linn		Date: August 19, 1999	
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29	

  

Primary Indicators			Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	Yes			
	Depth of inundation:	2	Inches	Water marks:	
	Depth to free water:		Inches	Drift lines:	
	Depth to saturation:	0	Inches	Drainage patterns:	
	Other:			Oxidized rhizospheres:	
			Sediment deposits:		<b>Criteria Met:</b> Yes

  

<b>SOILS</b>	Mapped Series: Newberg fine sandy loam Classification: Fluventic Haploxerolls	Hydric Soil?: No	Drainage Class: somewhat excessively drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-10	10YR 3/2	SD	7.5YR 4/6	common, medium, distinct		gravelly
10-14	10YR 3/1	fine gravel				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b> Yes					
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover	
			<i>Juncus tenuis</i> *	FACW-	20	
			<i>Potamogeton natans</i> *	OBL	30	
			<i>Myriophyllum sp.</i> *	OBL	40	
			<i>Carex feta</i>	FACW	10	
Shrub Stratum (30%)	Status	% Cover				
<i>Salix lasiandra</i> *	FACW	100				
Woody Vine Stratum (0%)	Status	% Cover				

  

Percent of dominant species FAC, FACW, or OBL*:	100%	<b>Criteria Met:</b> Yes
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Comments:	<b>Determination:</b> Wetland
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-36A-140
Applicant: City of Sweet Home		County: Linn	Date: August 19, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns:
	Depth to saturation: >18 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

**SOILS**      Mapped Series: Newberg fine sandy loam      Hydric Soil?: No  
 Classification: Fluventic Haploxerolls      Drainage Class: somewhat excessively drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/4	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

### VEGETATION

Tree Stratum (20%)			Herbaceous Stratum (35%)		
	Status	% Cover		Status	% Cover
<i>Pseudotsuga menziesii</i> *	FACU	100	<i>Holcus lanatus</i> *	FAC	20
			<i>Dactylis glomerata</i> *	FACU	25
			<i>Agrostis tenuis</i>	FAC	10
			<i>Hypochaeris radicata</i> *	FACU	20
			<i>Taraxacum officinale</i>	FACU	10
			<i>Vicia sativa</i>	UPL	5
Shrub Stratum (15%)			Woody Vine Stratum (30%)		
	Status	% Cover		Status	% Cover
<i>Symphoricarpos albus</i> *	FACU	30	<i>Rubus discolor</i> *	FACU	75
<i>Populus trichocarpa</i> *	FAC	70	<i>Rubus laciniatus</i> *	FACU+	25

Percent of dominant species FAC, FACW, or OBL\*: 25%

**Criteria Met:** No

Comments:

**Determination:** Upland



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-37-66
Applicant: City of Sweet Home		County: Linn	Date: August 5, 1999
Investigators: PF		Township: 13S	Range: 1E Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): Yes Depth of inundation: 2 Inches Depth to free water: Inches Depth to saturation: Inches Other: Artificial hydrology from washing station	Water marks: Drift lines: Drainage patterns: Oxidized rhizospheres: Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: Pits Classification:	Hydric Soil?: No Drainage Class:
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-5	10YR 3/2	S				with rocks

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Juncus effusus</i> *	FACW	30	
			<i>Dipsacus sylvestris</i> *	FAC	20	
			<i>Carex feta</i>	FACW	10	
			<i>Juncus bolanderi</i>	OBL	15	
			<i>Lotus corniculatus</i>	FAC	10	
			<i>Typha latifolia</i>	OBL	10	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

**Comments:**  
Area has artificial hydrology from quarry truck washing station.

**Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-38-67
Applicant: City of Sweet Home		County: Linn	Date: August 19, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 29
<b>Primary Indicators</b>		<b>Secondary Indicators</b>	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:
	Depth of inundation:	Inches	Drift lines:
	Depth to free water:	>18 Inches	Drainage patterns:
	Depth to saturation:	>18 Inches	Oxidized rhizospheres:
	Other:		Sediment deposits:
<b>Criteria Met:</b>			No

<b>SOILS</b>	Mapped Series: Salem gravelly silt loam	Hydric Soil?: No			
	Classification: Pachic Ultic Argixerolls	Drainage Class: well drained			
<b>Depth (Inches)</b>	<b>Matrix Color</b>	<b>Soil Texture*</b>	<b>Redox Concentrations</b>	<b>Other Hydric Soil Field Indicators</b>	<b>Comments</b>
			<b>Color</b> <b>abundance/size/contrast</b>		
0-12	10YR 2/2	SL			rocks refused at 12 inches due to rocks/cobbles

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	No
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<b>VEGETATION</b>						
Tree Stratum ( 50% )			Status	% Cover	Herbaceous Stratum ( 30% )	
Shrub Stratum ( 10% )			Status	% Cover	Woody Vine Stratum ( 10% )	
<i>Alnus rubra*</i>			FAC	20	<i>Asarum caudatum*</i>	
<i>Pseudotsuga menziesii*</i>			FACU	80	<i>Vancouveria hexandra*</i>	
					<i>Equisetum hyemale</i>	
<i>Oemleria cerasiformis</i>			FACU	10		
<i>Rosa woodsii</i>			FACU	15		
<i>Acer circinatum</i>			FAC-	10		
<i>Berberis aquifolium*</i>			UPL	20	<i>Rubus ursinus</i>	
<i>Gaultheria shallon*</i>			FACU	30		
<i>Corylus cornuta</i>			FACU	5		
<i>Sambucus racemosa</i>			FACU	5		

Percent of dominant species FAC, FACW, or OBL*:	14%	<b>Criteria Met:</b>	No
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Comments:	<b>Determination:</b>	Upland
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-38-68	
Applicant: City of Sweet Home		County: Linn	Date: August 19, 1999	
Investigators: CR/PF		Township: 13S	Range: 1E	Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: 14 Inches	Drainage patterns: Yes
	Depth to saturation: 0 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
<b>Criteria Met: Yes</b>		

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam	Hydric Soil?: No
	Classification: Typic Argiaquolls	Drainage Class: somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 2/1	organic muck				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION							
Tree Stratum (20%)		Status	% Cover	Herbaceous Stratum (40%)		Status	% Cover
<i>Alnus rubra</i> *		FAC	100	<i>Oenanthe sarmentosa</i> *		OBL	60
				<i>Phalaris arundinacea</i>		FACW	15
				<i>Equisetum hyemale</i>		FACW	15
				<i>Carex obnupta</i>		OBL	10
Shrub Stratum (30%)		Status	% Cover	Woody Vine Stratum (10%)		Status	% Cover
<i>Acer circinatum</i>		FAC-	10	<i>Solanum dulcamara</i> *		FAC+	100
<i>Physocarpus capitatus</i> *		FACW-	30				
<i>Cornus stolonifera</i> *		FACW	60				

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-39-69
Applicant: City of Sweet Home		County: Linn	Date: August 19, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks: Yes
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns: Yes
	Depth to saturation: >18 Inches	Oxidized rhizospheres: Yes
	Other: evidence of ponding	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 2/1	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met: Yes</b>
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VEGETATION						
Tree Stratum (20%)	Status	% Cover	Herbaceous Stratum (40%)	Status	% Cover	
<i>Fraxinus latifolia</i> *	FACW	100	<i>Phalaris arundinacea</i> *	FACW	50	
			<i>Juncus effusus</i> *	FACW	30	
			<i>Juncus tenuis</i> *	FACW-	20	
Shrub Stratum (40%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	
<i>Spiraea douglasii</i> *	FACW	30				
<i>Rosa pisocarpa</i> *	FAC	40				
<i>Crataegus douglasii</i> *	FAC	30				

Percent of dominant species FAC, FACW, or OBL*: 100%	<b>Criteria Met: Yes</b>
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Comments:	<b>Determination: Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-39-70
Applicant: City of Sweet Home		County: Linn	Date: August 19, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >18 Inches	Drainage patterns:
	Depth to saturation: >18 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

<b>SOILS</b>	Mapped Series: Clackamas gravelly silt loam Classification: Typic Argiaquolls	Hydric Soil?: No Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				Refused by rocks at 14 inches

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

	<b>Criteria Met:</b> No
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VEGETATION							
Tree Stratum ( 40% )		Status	% Cover	Herbaceous Stratum ( 20% )		Status	% Cover
<i>Quercus garryana</i> *		UPL	100	<i>Bromus sp.</i> * <i>Daucus carota</i> *		UPL	75
						UPL	20
Shrub Stratum ( 30% )		Status	% Cover	Woody Vine Stratum ( 10% )		Status	% Cover
<i>Symphoricarpos albus</i> *		FACU	50	<i>Rubus ursinus</i> * <i>Rubus laciniatus</i> *		FACU	80
<i>Holodiscus discolor</i>		UPL	10			FACU+	20
<i>Fraxinus latifolia</i>		FACW	10				
<i>Rosa nutkana</i> *		FAC	20				
<i>Amelanchier alnifolia</i>		FACU	10				

Percent of dominant species FAC, FACW, or OBL*:	14%	<b>Criteria Met:</b> No
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Comments:	<b>Determination:</b> Upland
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-40-71			
Applicant: City of Sweet Home		County: Linn		Date: August 19, 1999			
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No): Yes		Water marks:				
	Depth of inundation: 2 Inches		Drift lines:				
	Depth to free water: Inches		Drainage patterns: Yes				
	Depth to saturation: Inches		Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met: Yes</b>							
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No			
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-4		organic					
4-16	5Y 2.5/1	SCL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: Yes</b>							
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		Status	% Cover
				<i>Typha latifolia</i> *		OBL	20
				<i>Leersia oryzoides</i> *		OBL	20
				<i>Phalaris arundinacea</i>		FACW	15
				<i>Juncus effusus</i>		FACW	10
				<i>Veronica americana</i>		OBL	5
				<i>Epilobium watsonii</i>		FACW-	5
Shrub Stratum (0%)		Status	% Cover	<i>Carex obnupta</i>		OBL	15
				<i>Myosotis discolor</i>		FACW	5
				Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:						100%	<b>Criteria Met: Yes</b>
Comments:							
						<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-40-72	
Applicant: City of Sweet Home		County: Linn			Date: August 19, 1999	
Investigators: CR/PF		Township: 13S		Range: 1E	Section: 29	
<b>Primary Indicators</b>				<b>Secondary Indicators</b>		
<b>HYDROLOGY</b>	Inundated (Yes/No):		No		Water marks:	
	Depth of inundation:		Inches		Drift lines:	
	Depth to free water:		>18 Inches		Drainage patterns:	
	Depth to saturation:		>18 Inches		Oxidized rhizospheres:	
	Other:				Sediment deposits:	
						<b>Criteria Met:</b> No
<b>SOILS</b>	Mapped Series: Salem gravelly silt loam			Hydric Soil?:		No
	Classification: Pachic Ultic Argixerolls			Drainage Class:		well drained
<b>Depth (Inches)</b>	<b>Matrix Color</b>	<b>Soil Texture*</b>	<b>Redox Concentrations</b>		<b>Other Hydric Soil Field Indicators</b>	<b>Comments</b>
			<b>Color</b>	<b>abundance/size/contrast</b>		
0-14	10YR 3/3	SL				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
						<b>Criteria Met:</b> No
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (80%)</b>		<b>Status % Cover</b>
				<i>Festuca arundinacea*</i>		FAC- 20
				<i>Pteridium aquilinum*</i>		FACU 20
				<i>Cirsium arvense*</i>		FACU+ 20
				<i>Anthoxanthum odoratum</i>		FACU 10
				<i>Holcus lanatus</i>		FAC 10
				<i>Agrostis tenuis</i>		FAC 15
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<i>Equisetum arvense</i>		FAC 5
				<b>Woody Vine Stratum (20%)</b>		<b>Status % Cover</b>
				<i>Rubus ursinus*</i>		FACU 100
<b>Percent of dominant species FAC, FACW, or OBL*:</b>						0%
						<b>Criteria Met:</b> No
<b>Comments:</b>						
						<b>Determination:</b> Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-41-73			
Applicant: City of Sweet Home		County: Linn		Date: August 19, 1999			
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:				
	Depth of inundation: Inches		Drift lines:				
	Depth to free water: 6 Inches		Drainage patterns: Yes				
	Depth to saturation: 0 Inches		Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met: Yes</b>							
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No			
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 3/2	SCL	10YR 4/6	many, medium, distinct			
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: Yes</b>							
<b>VEGETATION</b>							
<b>Tree Stratum (15%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (85%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Salix lasiandra</i> *		FACW+	100	<i>Glecoma hederacea</i> *		FACU+	80
				<i>Phalaris arundinacea</i> *		FACW	20
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				67%		<b>Criteria Met: Yes</b>	
Comments:							
						<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-41-74		
Applicant: City of Sweet Home		County: Linn		Date: August 19, 1999			
Investigators: CR/PF		Township: 13S		Range: 1E		Section: 29	
<b>Primary Indicators</b>				<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>		Inundated (Yes/No): No		Water marks:			
		Depth of inundation: Inches		Drift lines:			
		Depth to free water: >18 Inches		Drainage patterns:			
		Depth to saturation: >18 Inches		Oxidized rhizospheres:			
		Other:		Sediment deposits:			
				<b>Criteria Met: No</b>			
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No			
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-14	10YR 3/3	SL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
				<b>Criteria Met: No</b>			
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (80%)		Status	% Cover
				<i>Festuca arundinacea</i> *		FAC-	30
				<i>Dactylis glomerata</i> *		FACU	20
				<i>Cirsium arvense</i> *		FACU+	20
				<i>Agrostis tenuis</i> *		FAC	30
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (20%)		Status	% Cover
				<i>Rubus discolor</i> *		FACU	60
				<i>Rubus laciniatus</i> *		FACU+	40
Percent of dominant species FAC, FACW, or OBL*:				17%		<b>Criteria Met: No</b>	
Comments:							
						<b>Determination: Upland</b>	

# Wetland Determination Data Form

## Routine Onsite Method



Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-42-75		
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29		
<u>Primary Indicators</u>			<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:			
	Depth of inundation: Inches		Drift lines:			
	Depth to free water: >14 Inches		Drainage patterns: Yes			
	Depth to saturation: >14 Inches		Oxidized rhizospheres: Yes			
	Other:		Sediment deposits:			
<b>Criteria Met: Yes</b>						
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No		
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SCL	2.5YR 4/8	common, coarse, prominent		
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met: Yes</b>						
<b>VEGETATION</b>						
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		Status % Cover
				<i>Phalaris arundinacea*</i>		FACW 100
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		Status % Cover
Percent of dominant species FAC, FACW, or OBL*: 100%						<b>Criteria Met: Yes</b>
Comments:						<b>Determination: Wetland</b>



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-42-76		
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29		
<u>Primary Indicators</u>			<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:			
	Depth of inundation: Inches		Drift lines:			
	Depth to free water: >14 Inches		Drainage patterns:			
	Depth to saturation: >14 Inches		Oxidized rhizospheres:			
	Other:		Sediment deposits:			
<b>Criteria Met: No</b>						
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No		
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met: No</b>						
<b>VEGETATION</b>						
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		% Cover
				<i>Cirsium arvense</i> *		FACU+ 20
				<i>Agrostis tenuis</i> *		FAC 30
				<i>Festuca arundinacea</i> *		FAC- 30
				<i>Dactylis glomerata</i> *		FACU 20
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		% Cover
Percent of dominant species FAC, FACW, or OBL*:				25%		<b>Criteria Met: No</b>
Comments:						<b>Determination: Upland</b>



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-43-77		
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29		
<u>Primary Indicators</u>			<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:			
	Depth of inundation: Inches		Drift lines:			
	Depth to free water: >14 Inches		Drainage patterns: Yes			
	Depth to saturation: >14 Inches		Oxidized rhizospheres: Yes			
	Other: evidence of ponding		Sediment deposits:			
<b>Criteria Met: Yes</b>						
<b>SOILS</b>		Mapped Series: Clackamas gravelly silt loam		Hydric Soil?: No		
		Classification: Typic Argiaquolls		Drainage Class: somewhat poorly drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-2	10YR 3/2	SL				30% organic debris
2-14	2.5Y 2.5/1	C	10YR 4/3	common, medium, distinct		
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						<b>Criteria Met: Yes</b>
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Carex obnupta</i> *		OBL    20
				<i>Scirpus microcarpus</i> *		OBL    30
				<i>Phalaris arundinacea</i> *		FACW    40
				<i>Juncus effusus</i>		FACW    10
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>
Comments:						<b>Determination: Wetland</b>



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-43-78	
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999	
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29	

  

Primary Indicators			Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:		
	Depth of inundation:	Inches	Drift lines:		
	Depth to free water:	>14 Inches	Drainage patterns:		
	Depth to saturation:	>14 Inches	Oxidized rhizospheres:		
	Other:		Sediment deposits:		
					<b>Criteria Met:</b> No

  

<b>SOILS</b>	Mapped Series: Pits Classification: N/A	Hydric Soil?: No Drainage Class: N/A
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

					<b>Criteria Met:</b> No
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VEGETATION					
Tree Stratum ( 20% )		Status	% Cover	Herbaceous Stratum ( 60% )	
<i>Pseudotsuga menziesii</i> *		FACU	40	<i>Cirsium arvense</i> *	
<i>Populus trichocarpa</i> *		FAC	60	<i>Agrostis tenuis</i> *	
				<i>Carex obnupta</i>	
				<i>Festuca arundinacea</i> *	
Shrub Stratum ( 0% )		Status	% Cover	Woody Vine Stratum ( 20% )	
				<i>Rubus discolor</i> *	
				<i>Rubus laciniatus</i> *	

  

Percent of dominant species FAC, FACW, or OBL*:		29%	<b>Criteria Met:</b> No
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Comments:	<b>Determination:</b> Upland
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-44-79
Applicant: City of Sweet Home		County: Linn	Date: August 19, 1999
Investigators: CR/PF		Township: 13S	Range: 1E Section: 29

Primary Indicators		Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:	Yes
	Depth of inundation:	Inches	Drift lines:	
	Depth to free water:	>18 Inches	Drainage patterns:	Yes
	Depth to saturation:	>18 Inches	Oxidized rhizospheres:	
	Other: algal mats		Sediment deposits:	
			<b>Criteria Met:</b>	<b>Yes</b>

<b>SOILS</b>	Mapped Series: Pits Classification: N/A	Hydric Soil?: No Drainage Class: N/A
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL	10YR 3/6	common, medium, faint		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Mentha pulegium</i> *	OBL	40	
			<i>Agrostis stolonifera</i> *	FACW	40	
			<i>Phalaris arundinacea</i> *	FACW	20	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL*:	100%	<b>Criteria Met:</b>	<b>Yes</b>
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Comments:	<b>Determination:</b> Wetland
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-44-80	
Applicant: City of Sweet Home		County: Linn		Date: August 19, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E		Section: 29

  

Primary Indicators				Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:		
	Depth of inundation:		Inches	Drift lines:		
	Depth to free water:	>18	Inches	Drainage patterns:		
	Depth to saturation:	>18	Inches	Oxidized rhizospheres:		
	Other:			Sediment deposits:		
<b>Criteria Met:</b>						<b>No</b>

  

<b>SOILS</b>	Mapped Series: Pits Classification: N/A	Hydric Soil?: No Drainage Class: N/A
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>						<b>No</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Festuca arundinacea</i> *	FAC-	100	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	

  

Percent of dominant species FAC, FACW, or OBL*:			0%	<b>Criteria Met:</b>		<b>No</b>
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<b>Comments:</b>						<b>Determination:</b>	<b>Upland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-45-81			
Applicant: City of Sweet Home		County: Linn		Date: August 5, 1999			
Investigators: PF		Township: 13S		Range: 1E Section: 29			
<b>Primary Indicators</b>			<b>Secondary Indicators</b>				
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:	Yes		
	Depth of inundation:		Inches	Drift lines:			
	Depth to free water:	>16	Inches	Drainage patterns:	Yes		
	Depth to saturation:	0	Inches	Oxidized rhizospheres:	Yes		
	Other:			Sediment deposits:			
<b>Criteria Met: Yes</b>							
<b>SOILS</b>		Mapped Series: Pits Classification: N/A		Hydric Soil?: No Drainage Class: N/A			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-6	10YR 3/2	S			organic		
6-16	10YR 3/1	SD					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: Yes</b>							
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (95%)		Status	% Cover
				<i>Eleocharis palustris</i> *		OBL	20
				<i>Juncus bolanderi</i> *		OBL	20
				<i>Glyceria sp.</i>		OBL	15
				<i>Phalaris arundinacea</i>		FACW	5
				<i>Sparganium emersum</i>		OBL	10
				<i>Eleocharis ovata</i>		OBL	10
Shrub Stratum (0%)		Status	% Cover	<i>Juncus acuminatus</i>		OBL	5
				<i>Carex stipata</i>		OBL	5
				<i>Ludwigia palustris</i>		OBL	10
				Woody Vine Stratum (5%)		Status	% Cover
				<i>Solanum dulcamara</i> *		FAC+	100
Percent of dominant species FAC, FACW, or OBL*:						100%	<b>Criteria Met: Yes</b>
Comments:							
						<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>		Sample Site: <b>SSR-45-82</b>			
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>		Date: <b>August 5, 1999</b>			
Investigators: <b>PF</b>		Township: <b>13S</b>		Range: <b>1E</b> Section: <b>29</b>			
<b>Primary Indicators</b>			<b>Secondary Indicators</b>				
<b>HYDROLOGY</b>	Inundated (Yes/No): <b>No</b>		Water marks:				
	Depth of inundation: <b>Inches</b>		Drift lines:				
	Depth to free water: <b>&gt;18 Inches</b>		Drainage patterns:				
	Depth to saturation: <b>&gt;18 Inches</b>		Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met: No</b>							
<b>SOILS</b>		Mapped Series: <b>Pits</b>		Hydric Soil?: <b>No</b>			
		Classification: <b>N/A</b>		Drainage Class: <b>N/A</b>			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-18	10YR 3/3	SL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: No</b>							
<b>VEGETATION</b>							
<b>Tree Stratum (40%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (10%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Alnus rubra</i> *		<b>FAC</b>	<b>30</b>	<i>Pteridium aquilinum</i> *		<b>FACU</b>	<b>100</b>
<i>Pseudotsuga menziesii</i> *		<b>FACU</b>	<b>70</b>				
<b>Shrub Stratum (40%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (10%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Symphoricarpos albus</i> *		<b>FACU</b>	<b>90</b>	<i>Rubus ursinus</i> *		<b>FACU</b>	<b>100</b>
<i>Rhamnus purshiana</i>		<b>FAC-</b>	<b>10</b>				
Percent of dominant species FAC, FACW, or OBL*: <b>20%</b>						<b>Criteria Met: No</b>	
Comments:							
						<b>Determination: Upland</b>	

# Wetland Determination Data Form

## Routine Onsite Method



Pacific Habitat Services, Inc.

Project: Sweet Home LWI	Number: 9-1884	Sample Site: SSR-45-83
Applicant: City of Sweet Home	County: Linn	Date: August 5, 1999
Investigators: PF	Township: 13S	Range: 1E Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks: Yes
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: 0 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Pits Classification: N/A	Hydric Soil?: No Drainage Class: N/A
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-4	10YR 3/2	SCL				
4-16	5Y 2.5/1	SCL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Phalaris arundinacea</i> *	FACW	60	
			<i>Sparganium emersum</i> *	OBL	40	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-45B-137		
Applicant: City of Sweet Home		County: Linn			Date: October 5, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E	Section: 29		
<b>Primary Indicators</b>				<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>	Inundated (Yes/No):		No		Water marks: Yes		
	Depth of inundation:		Inches		Drift lines:		
	Depth to free water:		>14 Inches		Drainage patterns: Yes		
	Depth to saturation:		>14 Inches		Oxidized rhizospheres:		
	Other:				Sediment deposits:		
<b>Criteria Met: Yes</b>							
<b>SOILS</b>		Mapped Series: McBee silty clay loam			Hydric Soil?: No		
		Classification: Cumulic Ultic Haploxerolls			Drainage Class: moderately well drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-14	10YR 3/2	SCL	7.5YR 5/8	many, medium, prominent			
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: Yes</b>							
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		Status	% Cover
				<i>Gnaphalium palustre</i>		FAC+	10
				<i>Phalaris arundinacea*</i>		FACW	65
				<i>Echinochloa crus-galli*</i>		FACW	20
				<i>Bidens cernua</i>		FACW+	5
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>	
Comments:							
<b>Determination: Wetland</b>							



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-45B-138		
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999		
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29		
<u>Primary Indicators</u>			<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:			
	Depth of inundation: Inches		Drift lines:			
	Depth to free water: >16 Inches		Drainage patterns:			
	Depth to saturation: >16 Inches		Oxidized rhizospheres:			
	Other:		Sediment deposits:			
<b>Criteria Met: No</b>						
<b>SOILS</b>		Mapped Series: McBee silty clay loam		Hydric Soil?: No		
		Classification: Cumulic Ultic Haploxerolls		Drainage Class: moderately well drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/3	SL				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met: No</b>						
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Cirsium arvense</i> *		<b>FACU+</b> <b>20</b>
				<i>Phalaris arundinacea</i> *		<b>FACW</b> <b>80</b>
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
<b>Percent of dominant species FAC, FACW, or OBL*:</b>				50%		<b>Criteria Met: No</b>
<b>Comments:</b>						
						<b>Determination: Upland</b>



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>	Sample Site: <b>SSR-46A-84</b>
Applicant: <b>City of Sweet Home</b>	County: <b>Linn</b>	Date: <b>October 5, 1999</b>	
Investigators: <b>CR/PF</b>	Township: <b>13S</b>	Range: <b>1E</b>	Section: <b>29</b>

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): <b>No</b>	Water marks:
	Depth of inundation: <b>Inches</b>	Drift lines:
	Depth to free water: <b>0 Inches</b>	Drainage patterns: <b>Yes</b>
	Depth to saturation: <b>0 Inches</b>	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: <b>Salem gravelly silt loam</b>	Hydric Soil?: <b>No</b>
	Classification: <b>Pachic Ultic Argixerolls</b>	Drainage Class: <b>well drained</b>

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/1	organic muck			H2S odor	

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met: Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Typha latifolia</i> *	<b>OBL</b>	<b>40</b>	
			<i>Lemna minor</i> *	<b>OBL</b>	<b>20</b>	
			<i>Bidens cernua</i> *	<b>FACW+</b>	<b>20</b>	
			<i>Beckmannia syzigachne</i> *	<b>OBL</b>	<b>20</b>	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL*:	<b>100%</b>	<b>Criteria Met: Yes</b>
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Comments:	<b>Determination: Wetland</b>
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# Wetland Determination Data Form

## Routine Onsite Method



Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-47A-85			
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999			
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:				
	Depth of inundation: Inches		Drift lines:				
	Depth to free water: >14 Inches		Drainage patterns:				
	Depth to saturation: >14 Inches		Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met: No</b>							
<b>SOILS</b>		Mapped Series: Salem gravelly silt loam		Hydric Soil?: No			
		Classification: Pachic Ultic Argixerolls		Drainage Class: well drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-14	10YR 3/3	SL				approx. 30% fine wood debris mixed in	
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: No</b>							
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (70%)		Status	% Cover
				<i>Cirsium arvense</i> *		FACU+	60
				<i>Epilobium watsonii</i>		FACW-	10
				<i>Holcus lanatus</i> *		FAC	30
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (30%)		Status	% Cover
				<i>Rubus discolor</i> *		FACU	80
				<i>Rubus laciniatus</i> *		FACU+	20
Percent of dominant species FAC, FACW, or OBL*:				25%		<b>Criteria Met: No</b>	
Comments:							
<b>Determination: Upland</b>							



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-47A-86	
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999	
Investigators: CR/PF		Township: 13S		Range: 1E Section: 29	
<b>Primary Indicators</b>			<b>Secondary Indicators</b>		
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:		
	Depth of inundation: Inches		Drift lines:		
	Depth to free water: 8 Inches		Drainage patterns:		
	Depth to saturation: 2 Inches		Oxidized rhizospheres:		
	Other:		Sediment deposits:		
<b>Criteria Met: Yes</b>					
<b>SOILS</b>		Mapped Series: Water (log pond) Classification: N/A		Hydric Soil?: N/A Drainage Class: N/A	
<b>Depth (Inches)</b>	<b>Matrix Color</b>	<b>Soil Texture*</b>	<b>Redox Concentrations</b>		<b>Other Hydric Soil Field Indicators</b>
			<b>Color</b>	<b>abundance/size/contrast</b>	<b>Comments</b>
0-18		organic			old wood debris
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay					
<b>Criteria Met: Yes</b>					
<b>VEGETATION</b>					
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>	
				<i>Typha latifolia</i> *	<b>OBL 40</b>
				<i>Juncus effusus</i> *	<b>FACW 40</b>
				<i>Hydrocotyle sp.</i>	<b>OBL 10</b>
				<i>Carex feta</i>	<b>FACW 5</b>
				<i>Leersia oryzoides</i>	<b>OBL 5</b>
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>	
					<b>Status % Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				100%	
<b>Criteria Met: Yes</b>					
<b>Comments:</b>					
<b>Determination: Wetland</b>					



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>		Sample Site: <b>SSR-47B-87</b>			
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>		Date: <b>October 5, 1999</b>			
Investigators: <b>CR/PF</b>		Township: <b>13S</b>		Range: <b>1E</b> Section: <b>32</b>			
<b>Primary Indicators</b>			<b>Secondary Indicators</b>				
<b>HYDROLOGY</b>		Inundated (Yes/No): <b>No</b>		Water marks:			
Depth of inundation:		<b>Inches</b>		Drift lines:			
Depth to free water:		<b>2 Inches</b>		Drainage patterns: <b>Yes</b>			
Depth to saturation:		<b>0 Inches</b>		Oxidized rhizospheres: <b>Yes</b>			
Other:				Sediment deposits:			
				<b>Criteria Met: Yes</b>			
<b>SOILS</b>		Mapped Series: <b>Salem gravelly silt loam</b>		Hydric Soil?: <b>No</b>			
		Classification: <b>Pachic Ultic Argixerolls</b>		Drainage Class: <b>well drained</b>			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-10	10YR 3/2	SCL			H2S odor	some organic material in top 10 inches	
10-18	5Y 3/1	SCL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
				<b>Criteria Met: Yes</b>			
<b>VEGETATION</b>							
Tree Stratum ( 0% )		Status	% Cover	Herbaceous Stratum ( 80% )		Status	% Cover
				<i>Typha latifolia</i> *		<b>OBL</b>	<b>40</b>
				<i>Sparganium emersum</i> *		<b>OBL</b>	<b>20</b>
				<i>Leersia oryzoides</i>		<b>OBL</b>	<b>5</b>
				<i>Ludwigia palustris</i> *		<b>OBL</b>	<b>20</b>
				<i>Phalaris arundinacea</i>		<b>FACW</b>	<b>10</b>
Shrub Stratum ( 20% )		Status	% Cover				
<i>Spiraea douglasii</i> *		<b>FACW</b>	<b>100</b>				
Woody Vine Stratum ( 0% )		Status	% Cover				
Percent of dominant species FAC, FACW, or OBL*:				<b>100%</b>		<b>Criteria Met: Yes</b>	
Comments:							
						<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-48A-88	
Applicant: City of Sweet Home		County: Linn	Date: August 5, 1999	
Investigators: PF		Township: 13S	Range: 1E	Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: 0 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Fluvents-Fluvaquents complex	Hydric Soil?: No
	Classification: Fluvents-Fluvaquents	Drainage Class: moderately well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-7	10YR 3/3	S				
7-16	5Y 3/1	S				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met: Yes</b>
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VEGETATION						
Tree Stratum (5%)			Status	% Cover	Herbaceous Stratum (95%)	
<i>Salix sitchensis</i> *			FACW	50	<i>Eleocharis ovata</i> *	
<i>Salix lasiandra</i> *			FACW+	50	<i>Scirpus microcarpus</i> *	
					<i>Veronica americana</i> *	
					<i>Gnaphalium palustre</i>	
					<i>Polygonum persicaria</i>	
					<i>Lotus corniculatus</i>	
Shrub Stratum (0%)			Status	% Cover	Woody Vine Stratum (0%)	

Percent of dominant species FAC, FACW, or OBL*: 100%	<b>Criteria Met: Yes</b>
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Comments:	<b>Determination: Wetland</b>
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# Wetland Determination Data Form

## Routine Onsite Method



Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>	Sample Site: <b>SSR-48A-89</b>	
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>	Date: <b>August 5, 1999</b>	
Investigators: <b>PF/Maggie</b>		Township: <b>13S</b>	Range: <b>1E</b>	Section: <b>29</b>

  

Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:
	Depth of inundation:	Inches	Drift lines:
	Depth to free water:	>16 Inches	Drainage patterns:
	Depth to saturation:	>16 Inches	Oxidized rhizospheres:
	Other:		Sediment deposits:
<b>Criteria Met:</b>			<b>No</b>

  

<b>SOILS</b>	Mapped Series: Fluvents-Fluvaquents complex	Hydric Soil?:	No
	Classification: Fluvents-Fluvaquents	Drainage Class:	moderately well drained

  

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/4	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>No</b>
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VEGETATION						
Tree Stratum ( 0% )	Status	% Cover	Herbaceous Stratum ( 50% )	Status	% Cover	
			<i>Phalaris arundinacea</i> *	FACW	40	
			<i>Impatiens capensis</i>	FACW	10	
			<i>Convolvulus arvensis</i> *	UPL	20	
			<i>Lotus corniculatus</i>	FAC	10	
			<i>Galium aparine</i>	FACU	5	
			<i>Glecoma hederacea</i>	FACU+	10	
Shrub Stratum ( 30% )	Status	% Cover				
<i>Salix lasiandra</i> *	FACW+	75				
<i>Physocarpus capitatus</i> *	FACW-	25				
			Woody Vine Stratum ( 20% )	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	70	
			<i>Solanum dulcamara</i> *	FAC+	30	

  

Percent of dominant species FAC, FACW, or OBL*:	67%	<b>Criteria Met:</b>	<b>Yes</b>
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Comments:	<b>Determination:</b>	<b>Upland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-48C-62		
Applicant: City of Sweet Home		County: Linn			Date: August 5, 1999		
Investigators: PF		Township: 13S		Range: 1E	Section: 29		
<b>Primary Indicators</b>				<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>							
Inundated (Yes/No):		No		Water marks:			
Depth of inundation:		Inches		Drift lines:			
Depth to free water:		>18 Inches		Drainage patterns:			
Depth to saturation:		>18 Inches		Oxidized rhizospheres:			
Other:				Sediment deposits:			
<b>Criteria Met:</b>						<b>No</b>	
<b>SOILS</b>		Mapped Series: Pits		Hydric Soil?:		No	
		Classification: N/A		Drainage Class: N/A			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-3	10YR 3/4	SL				refused at 3 inches due to rock	
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met:</b>						<b>No</b>	
<b>VEGETATION</b>							
Tree Stratum (30%)		Status	% Cover	Herbaceous Stratum (70%)		Status	% Cover
<i>Populus trichocarpa</i> *		FAC	100	<i>Phalaris arundinacea</i> *		FACW	20
				<i>Juncus patens</i> *		FACW	30
				<i>Agrostis stolonifera</i> *		FACW	30
				<i>Chrysanthemum leucanthemum</i> *		UPL	20
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:						80%	<b>Criteria Met: Yes</b>
Comments:							
<b>Determination:</b>						<b>Upland</b>	



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SSR-48C-90
Applicant: City of Sweet Home		County: Linn	Date: August 5, 1999
Investigators: PF		Township: 13S	Range: 1E Section: 29

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): Yes Depth of inundation: 1 Inches Depth to free water: >8 Inches Depth to saturation: >8 Inches Other:	Water marks: Drift lines: Drainage patterns: Oxidized rhizospheres: Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	<b>Mapped Series:</b> Fluvents-Fluvaquents complex <b>Classification:</b> Fluvents-Fluvaquents	<b>Hydric Soil?:</b> No <b>Drainage Class:</b> moderately well drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-8	5Y 4/1	silt mix			organic	Refused at 8 inches by cobbles

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>Yes</b>
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VEGETATION						
Tree Stratum (5%)	Status	% Cover	Herbaceous Stratum (95%)	Status	% Cover	
<i>Salix lasiandra</i> *	FACW+	100	<i>Leersia oryzoides</i> *	OBL	30	
			<i>Typha latifolia</i>	OBL	15	
			<i>Lotus corniculatus</i> *	FAC	20	
			<i>Glyceria sp.</i>	OBL	10	
			<i>Carex feta</i>	FACW	10	
			<i>Juncus acuminatus</i>	OBL	10	
Shrub Stratum (0%)	Status	% Cover	<i>Carex stipata</i>	OBL	5	
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL*:	100%	<b>Criteria Met: Yes</b>
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Comments:	<b>Determination: Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-48C-91		
Applicant: City of Sweet Home		County: Linn		Date: August 5, 1999		
Investigators: PF		Township: 13S		Range: 1E Section: 29		
<u>Primary Indicators</u>			<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:			
	Depth of inundation: Inches		Drift lines:			
	Depth to free water: Inches		Drainage patterns: Yes			
	Depth to saturation: 0 Inches		Oxidized rhizospheres: Yes			
	Other:		Sediment deposits:			
<b>Criteria Met: Yes</b>						
<b>SOILS</b>		Mapped Series: Fluvents-Fluvaquents complex		Hydric Soil?: No		
		Classification: Fluvents-Fluvaquents		Drainage Class: moderately well drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-2 2-4		organic 10YR 3/3	S			refused at 4 inches by cobble
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met: Yes</b>						
<b>VEGETATION</b>						
Tree Stratum ( 55% )			Status	% Cover	Herbaceous Stratum ( 45% )	
<i>Salix lasiandra</i> *			FACW+	55	<i>Lotus corniculatus</i> *	
<i>Salix sitchensis</i> *			FACW	45	<i>Typha latifolia</i>	
					<i>Agrostis stolonifera</i> *	
					<i>Equisetum hyemale</i>	
					<i>Rumex conglomeratus</i>	
					<i>Carex feta</i>	
Shrub Stratum ( 0% )			Status	% Cover	Woody Vine Stratum ( 0% )	
Percent of dominant species FAC, FACW, or OBL*:						100%
<b>Criteria Met: Yes</b>						
Comments:						
<b>Determination: Wetland</b>						



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-48D-92			
Applicant: City of Sweet Home		County: Linn		Date: August 5, 1999			
Investigators: PF/Maggie		Township: 13S		Range: 1E Section: 29			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:	Yes		
	Depth of inundation:	Inches		Drift lines:			
	Depth to free water:	>16	Inches	Drainage patterns:	Yes		
	Depth to saturation:	>16	Inches	Oxidized rhizospheres:			
	Other:	moist		Sediment deposits:			
<b>Criteria Met: Yes</b>							
<b>SOILS</b>		Mapped Series: Fluvents-Fluvaquents complex		Hydric Soil?: No			
		Classification: Fluvents-Fluvaquents		Drainage Class: moderately well drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 3/2	SL	10YR 3/6	many, medium, faint			
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: Yes</b>							
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (80%)		Status	% Cover
				<i>Scirpus microcarpus</i> * <i>Phalaris arundinacea</i> * <i>Athyrium filix-femina</i> * <i>Epilobium watsonii</i>		OBL	30
						FACW	40
						FAC	20
						FACW-	10
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (20%)		Status	% Cover
				<i>Rubus discolor</i> * <i>Solanum dulcamara</i> *		FACU	40
						FAC+	60
Percent of dominant species FAC, FACW, or OBL*:				80%		<b>Criteria Met: Yes</b>	
Comments:							
						<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SSR-48D-93				
Applicant: City of Sweet Home		County: Linn		Date: August 5, 1999				
Investigators: PF		Township: 13S		Range: 1E Section: 29				
<u>Primary Indicators</u>			<u>Secondary Indicators</u>					
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:					
	Depth of inundation: Inches		Drift lines:					
	Depth to free water: >16 Inches		Drainage patterns:					
	Depth to saturation: >16 Inches		Oxidized rhizospheres:					
	Other:		Sediment deposits:					
<b>Criteria Met: No</b>								
<b>SOILS</b>		Mapped Series: Fluvents-Fluvaquents complex		Hydric Soil?: No				
		Classification: Fluvents-Fluvaquents		Drainage Class: moderately well drained				
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments		
			Color	abundance/size/contrast				
0-16	10YR 3/3	SL						
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay								
<b>Criteria Met: No</b>								
<b>VEGETATION</b>								
Tree Stratum ( 40% )			Status	% Cover	Herbaceous Stratum ( 30% )		Status	% Cover
<i>Salix lasiandra</i> *			FACW+	30	<i>Cirsium arvense</i>		FACU+	10
<i>Alnus rubra</i> *			FAC	70	<i>Phalaris arundinacea</i> *		FACW	90
Shrub Stratum ( 0% )			Status	% Cover	Woody Vine Stratum ( 30% )		Status	% Cover
					<i>Rubus discolor</i> *		FACU	70
					<i>Solanum dulcamara</i> *		FAC+	30
Percent of dominant species FAC, FACW, or OBL*:						80%	<b>Criteria Met: Yes</b>	
Comments:								
<b>Determination: Upland</b>								



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-48E-94	
Applicant: City of Sweet Home		County: Linn			Date: August 5, 1999	
Investigators: PF		Township: 13S		Range: 1E	Section: 29	
<b>Primary Indicators</b>				<b>Secondary Indicators</b>		
<b>HYDROLOGY</b>						
Inundated (Yes/No):		Yes		Water marks:		
Depth of inundation:		2 Inches		Drift lines:		
Depth to free water:		Inches		Drainage patterns:		
Depth to saturation:		Inches		Oxidized rhizospheres:		
Other:				Sediment deposits:		
<b>Criteria Met:</b>						<b>Yes</b>
<b>SOILS</b>						
Mapped Series: Chehalis silty clay loam				Hydric Soil?: No		
Classification: Cumulic Ultic Haploxerolls				Drainage Class: well drained		
<b>Depth (Inches)</b>	<b>Matrix Color</b>	<b>Soil Texture*</b>	<b>Redox Concentrations</b>		<b>Other Hydric Soil Field Indicators</b>	<b>Comments</b>
			<b>Color</b>	<b>abundance/size/contrast</b>		
0-16	5Y 4/1	SCL				top 1" organic
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met:</b>						<b>Yes</b>
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Sparganium emersum</i> *		<b>OBL</b> 20
				<i>Phalaris arundinacea</i> *		<b>FACW</b> 70
				<i>Lotus corniculatus</i>		<b>FAC</b> 10
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met:</b> <b>Yes</b>
<b>Comments:</b>						
<b>Determination:</b>						<b>Wetland</b>



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-49-95	
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999		
Investigators: CR/PF		Township: 13S	Range: 1E	Section: 32		
<b>Primary Indicators</b>				<b>Secondary Indicators</b>		
<b>HYDROLOGY</b>						
Inundated (Yes/No):		No		Water marks:		
Depth of inundation:		Inches		Drift lines:		
Depth to free water:		<8 Inches		Drainage patterns: Yes		
Depth to saturation:		0 Inches		Oxidized rhizospheres:		
Other:				Sediment deposits:		
				<b>Criteria Met: Yes</b>		
<b>SOILS</b>			Mapped Series: Salem gravelly silt loam		Hydric Soil?: No	
			Classification: Pachic Ultic Argixerolls		Drainage Class: well drained	
<b>Depth (Inches)</b>	<b>Matrix Color</b>	<b>Soil Texture*</b>	<b>Redox Concentrations</b>		<b>Other Hydric Soil Field Indicators</b>	<b>Comments</b>
			<b>Color</b>	<b>abundance/size/contrast</b>		
0-6	10YR 3/2	muck			organic matter	
6-14	5Y 3/1	SD/S			H2S odor	
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
				<b>Criteria Met: Yes</b>		
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (70%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Typha latifolia</i> *		OBL   20
				<i>Bidens cernua</i> *		FACW+   30
				<i>Oenanthе sarmentosa</i> *		OBL   20
				<i>Lemna minor</i>		OBL   10
				<i>Leersia oryzoides</i> *		OBL   20
<b>Shrub Stratum (30%)</b>		<b>Status</b>	<b>% Cover</b>			
<i>Salix lasiandra</i> *		FACW+	100			
				<b>Woody Vine Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>
<b>Comments:</b>						
				<b>Determination: Wetland</b>		



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>		Sample Site: <b>SSR-50-131</b>				
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>		Date: <b>August 5, 1999</b>				
Investigators: <b>PF</b>		Township: <b>13S</b>		Range: <b>1E</b> Section: <b>29</b>				
<u>Primary Indicators</u>			<u>Secondary Indicators</u>					
<b>HYDROLOGY</b>			<b>Water marks:</b>					
Inundated (Yes/No): <b>No</b>			<b>Drift lines:</b>					
Depth of inundation: <b>Inches</b>			<b>Drainage patterns:</b>					
Depth to free water: <b>&gt;18 Inches</b>			<b>Oxidized rhizospheres:</b>					
Depth to saturation: <b>&gt;18 Inches</b>			<b>Sediment deposits:</b>					
Other:								
			<b>Criteria Met: No</b>					
<b>SOILS</b>		Mapped Series: <b>Riverwash</b>		Hydric Soil?: <b>No</b>				
		Classification: <b>N/A</b>		Drainage Class: <b>excessively drained</b>				
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments		
			Color	abundance/size/contrast				
0-8	10YR 4/3	SD/S				refused at 8 inches due to rocks		
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay								
<b>Criteria Met: No</b>								
<b>VEGETATION</b>								
Tree Stratum ( 10% )			Status	% Cover	Herbaceous Stratum ( 60% )		Status	% Cover
<i>Calocedrus decurrens</i> *			<b>UPL</b>	<b>100</b>	<i>Lathyrus latifolius</i> *		<b>UPL</b>	<b>60</b>
					<i>Dactylis glomerata</i> *		<b>FACU</b>	<b>20</b>
					<i>Holcus lanatus</i> *		<b>FAC</b>	<b>20</b>
Shrub Stratum ( 20% )			Status	% Cover	Woody Vine Stratum ( 10% )		Status	% Cover
<i>Symphoricarpos albus</i> *			<b>FACU</b>	<b>20</b>	<i>Rubus discolor</i> *		<b>FACU</b>	<b>100</b>
<i>Cytisus scoparius</i> *			<b>UPL</b>	<b>80</b>				
Percent of dominant species FAC, FACW, or OBL*:						<b>14%</b>	<b>Criteria Met: No</b>	
Comments:								
<b>Determination: Upland</b>								



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: SSR-50-132		
Applicant: City of Sweet Home		County: Linn			Date: August 5, 1999		
Investigators: PF		Township: 13S	Range: 1E	Section: 29			
<b>HYDROLOGY</b>							
<u>Primary Indicators</u>				<u>Secondary Indicators</u>			
Inundated (Yes/No):		No		Water marks:		Yes	
Depth of inundation:		Inches		Drift lines:		Yes	
Depth to free water:		Inches		Drainage patterns:		Yes	
Depth to saturation:		0 Inches		Oxidized rhizospheres:		Yes	
Other:				Sediment deposits:			
<b>Criteria Met:</b>						<b>Yes</b>	
<b>SOILS</b>							
Mapped Series: Riverwash			Hydric Soil?: No				
Classification: N/A			Drainage Class: excessively drained				
<b>SOILS</b>							
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-3	10YR 2/2	SD/S				refused at 3 inches due to rocks	
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met:</b>						<b>Yes</b>	
<b>VEGETATION</b>							
Tree Stratum (40%)		Status	% Cover	Herbaceous Stratum (60%)		Status	% Cover
<i>Salix sitchensis</i> *		FACW	100	<i>Scirpus microcarpus</i> *		OBL	20
				<i>Lotus corniculatus</i> *		FAC	30
				<i>Polygonum lapathifolium</i> *		FACW	20
				<i>Agrostis stolonifera</i> *		FACW	20
				<i>Equisetum arvense</i>		FAC	10
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:						100%	<b>Criteria Met: Yes</b>
<b>Comments:</b>							
Aquic moisture regime. Backwater area of South Santiam River							
<b>Determination:</b>						<b>Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: CC-1-96
Applicant: City of Sweet Home		County: Linn	Date: July 28, 1999
Investigators: CR/JT		Township: 13S	Range: 1E Section: 32

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: Inches	Drainage patterns: Yes
	Depth to saturation: 0 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Ochrepts, very steep Classification: Ochrepts	Hydric Soil?: No Drainage Class: well to moderately well drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-6	7.5YR 3/1	SL				
6-12	7.5YR 3/1	C				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met: Yes</b>
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VEGETATION								
Tree Stratum (40%)			Status	% Cover	Herbaceous Stratum (20%)		Status	% Cover
<i>Fraxinus latifolia</i> *			FACW	100	<i>Stachys cooleaye</i> *		FACW	30
					<i>Glyceria sp.</i>		OBL	15
					<i>Phalaris arundinacea</i>		FACW	5
					<i>Athyrium filix-femina</i>		FAC	5
					<i>Equisetum telmateia</i> *		FACW	30
					<i>Carex obnupta</i>		OBL	5
Shrub Stratum (20%)			Status	% Cover	Woody Vine Stratum (20%)		Status	% Cover
<i>Fraxinus latifolia</i> *			FACW	70	<i>Solanum dulcamara</i>		FAC+	10
<i>Oemlaria cerasiformis</i> *			FACU	20	<i>Rubus discolor</i> *		FACU	80
<i>Rhamnus purshiana</i>			FAC-	10	<i>Rubus laciniatus</i>		FACU+	10

Percent of dominant species FAC, FACW, or OBL*: 67%	<b>Criteria Met: Yes</b>
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Comments:	<b>Determination: Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: CC-3C-97			
Applicant: City of Sweet Home		County: Linn			Date: October 21, 1999			
Investigators: JVS/PF		Township: 13S	Range: 1E	Section: 31				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><u>Primary Indicators</u></td> <td style="width: 50%; border: none;"><u>Secondary Indicators</u></td> </tr> </table>							<u>Primary Indicators</u>	<u>Secondary Indicators</u>
<u>Primary Indicators</u>	<u>Secondary Indicators</u>							
<b>HYDROLOGY</b>								
Inundated (Yes/No):		No		Water marks:				
Depth of inundation:		Inches		Drift lines:				
Depth to free water:		12 Inches		Drainage patterns: Yes				
Depth to saturation:		0 Inches		Oxidized rhizospheres:				
Other:				Sediment deposits:				
<b>Criteria Met:</b>						<b>Yes</b>		
<b>SOILS</b>								
Mapped Series: McBee silty clay loam				Hydric Soil?: No				
Classification: Cumulic Ultic Haploxerolls				Drainage Class: moderately well drained				
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments		
			Color	abundance/size/contrast				
0-16	10YR 2/1	muck						
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay								
<b>Criteria Met:</b>						<b>Yes</b>		
<b>VEGETATION</b>								
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (75%)</b>		<b>Status</b>	<b>% Cover</b>	
				<i>Lysichitum americanum</i> *		OBL	20	
				<i>Myosotis laxa</i> *		OBL	80	
<b>Shrub Stratum (20%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (5%)</b>		<b>Status</b>	<b>% Cover</b>	
<i>Salix scouleriana</i> *		FAC	100	<i>Solanum dulcamara</i> *		FAC+	100	
<b>Percent of dominant species FAC, FACW, or OBL*:</b>						<b>100%</b>	<b>Criteria Met: Yes</b>	
<b>Comments:</b>								
<b>Determination:</b>						<b>Wetland</b>		



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: CC-3C-98			
Applicant: City of Sweet Home		County: Linn		Date: October 21, 1999			
Investigators: JVS/PF		Township: 13S		Range: 1E Section: 31			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:			
	Depth of inundation:	Inches		Drift lines:			
	Depth to free water:	>16 Inches		Drainage patterns:			
	Depth to saturation:	>16 Inches		Oxidized rhizospheres:			
	Other:			Sediment deposits:			
<b>Criteria Met:</b>				<b>No</b>			
<b>SOILS</b>			Mapped Series: McBee silty clay loam		Hydric Soil?: No		
			Classification: Cumulic Ultic Haploxerolls		Drainage Class: moderately well drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 3/2	SL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met:</b>				<b>No</b>			
<b>VEGETATION</b>							
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (20%)</b>		<b>Status</b>	<b>% Cover</b>
				<i>Carex deweyana</i> * <i>Mentha arvensis</i> *		FACU FACW-	60 40
<b>Shrub Stratum (50%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (30%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Spiraea douglasii</i> * <i>Salix scouleriana</i> * <i>Rosa pisocarpa</i> *		FACW FAC FAC	40 40 20	<i>Solanum dulcamara</i> * <i>Rubus discolor</i> * <i>Rubus laciniatus</i> *		FAC+ FACU FACU+	60 20 20
Percent of dominant species FAC, FACW, or OBL*:				63%		<b>Criteria Met: Yes</b>	
Comments:							
<b>Determination:</b>						<b>Upland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: CC-5B-99		
Applicant: City of Sweet Home		County: Linn		Date: October 21, 1999		
Investigators: JVS/PF		Township: 13S		Range: 1E Section: 31		
<b>Primary Indicators</b>			<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>	Inundated (Yes/No):	No		Water marks:	Yes	
	Depth of inundation:		Inches	Drift lines:		
	Depth to free water:	1	Inches	Drainage patterns:	Yes	
	Depth to saturation:	0	Inches	Oxidized rhizospheres:		
	Other:			Sediment deposits:		
<b>Criteria Met: Yes</b>						
<b>SOILS</b>		Mapped Series: McBee silty clay loam		Hydric Soil?: No		
		Classification: Cumulic Ultic Haploxerolls		Drainage Class: moderately well drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-4	10YR 3/2	S				Refusal at 8 inches
4-8	10YR 2/1	SDL				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						<b>Criteria Met: Yes</b>
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Lysichitum americanum</i> *		OBL    20
				<i>Callitriche stagnalis</i> *		OBL    30
				<i>Myosotis laxa</i> *		OBL    50
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>
Comments:						<b>Determination: Wetland</b>



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: CC-5B-100	
Applicant: City of Sweet Home		County: Linn			Date: October 21, 1999	
Investigators: JVS/PF		Township: 13S		Range: 1E		Section: 31
<u>Primary Indicators</u>				<u>Secondary Indicators</u>		
<b>HYDROLOGY</b>						
Inundated (Yes/No):		No		Water marks:		
Depth of inundation:		Inches		Drift lines:		
Depth to free water:		>14 Inches		Drainage patterns:		
Depth to saturation:		>14 Inches		Oxidized rhizospheres:		
Other:				Sediment deposits:		
<b>Criteria Met:</b>						No
<b>SOILS</b>						
Mapped Series: McBee silty clay loam				Hydric Soil?: No		
Classification: Cumulic Ultic Haploxerolls				Drainage Class: moderately well drained		
<b>Depth (Inches)</b>	<b>Matrix Color</b>	<b>Soil Texture*</b>	<b>Redox Concentrations</b>		<b>Other Hydric Soil Field Indicators</b>	<b>Comments</b>
			<b>Color</b>	<b>abundance/size/contrast</b>		
0-2	10YR 3/1	SL				
2-14	10YR 3/3	SL				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met:</b>						No
<b>VEGETATION</b>						
<b>Tree Stratum (30%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (20%)</b>		<b>Status</b> <b>% Cover</b>
<i>Pseudotsuga menziesii</i> *		FACU	100	<i>Equisetum arvense</i> *		FAC   35
				<i>Taraxacum officinale</i> *		FACU   20
				<i>Epilobium watsonii</i>		FACW-   15
				<i>Cirsium arvense</i>		FACU+   5
				<i>Lapsana communis</i>		UPL   10
				<i>Rumex crispus</i>		FAC+   5
<b>Shrub Stratum (20%)</b>		<b>Status</b>	<b>% Cover</b>	<i>Prunella vulgaris</i>		FACU+   5
<i>Fraxinus latifolia</i> *		FACW	100	<b>Woody Vine Stratum (30%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Rubus discolor</i> *		FACU   100
<b>Percent of dominant species FAC, FACW, or OBL*:</b>				40%		<b>Criteria Met:</b> No
<b>Comments:</b>						
<b>Determination:</b>						Upland



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: CC-5C-101		
Applicant: City of Sweet Home		County: Linn			Date: October 21, 1999		
Investigators: JVS/PF		Township: 13S	Range: 1E	Section: 31			
<b>HYDROLOGY</b>							
<u>Primary Indicators</u>				<u>Secondary Indicators</u>			
Inundated (Yes/No):		No		Water marks:			
Depth of inundation:		Inches		Drift lines:			
Depth to free water:		>14 Inches		Drainage patterns:			
Depth to saturation:		>14 Inches		Oxidized rhizospheres:			
Other:				Sediment deposits:			
<b>Criteria Met:</b>						<b>No</b>	
<b>SOILS</b>							
Mapped Series: Ochrepts, very steep				Hydric Soil?: No			
Classification: Ochrepts				Drainage Class: well, moderately well drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-14	10YR 3/2	SL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met:</b>						<b>No</b>	
<b>VEGETATION</b>							
<b>Tree Stratum (20%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (5%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Pseudotsuga menziesii</i> *		FACU	100	<i>Carex obnupta</i> *		OBL	100
<b>Shrub Stratum (30%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (45%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Prunus sp.</i> *		FACU-UPL	50	<i>Rubus discolor</i> *		FACU	20
<i>Amelanchier alnifolia</i> *		FACU	30			UPL	80
<i>Euonymus occidentalis</i> *		UPL	20			<i>Hedera helix</i> *	
Percent of dominant species FAC, FACW, or OBL*:						14%	<b>Criteria Met: No</b>
Comments:							
<b>Determination:</b>						<b>Upland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: CC-5C-102	
Applicant: City of Sweet Home		County: Linn		Date: October 21, 1999	
Investigators: JVS/PF		Township: 13S		Range: 1E Section: 31	

  

Primary Indicators			Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:		
	Depth of inundation:	Inches	Drift lines:		
	Depth to free water:	3 Inches	Drainage patterns: Yes		
	Depth to saturation:	0 Inches	Oxidized rhizospheres:		
	Other:		Sediment deposits:		
					<b>Criteria Met: Yes</b>

  

<b>SOILS</b>	<b>Mapped Series:</b> McBee silty clay loam <b>Classification:</b> Cumulic Ultic Haploxerolls	<b>Hydric Soil?:</b> No <b>Drainage Class:</b> moderately well drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	2.5YR 2/0	SCL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

					<b>Criteria Met: Yes</b>
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VEGETATION							
Tree Stratum (40%)		Status	% Cover	Herbaceous Stratum (40%)		Status	% Cover
<i>Fraxinus latifolia</i> *		FACW	100	<i>Carex obnupta</i> *		OBL	30
				<i>Veronica americana</i> *		OBL	20
				<i>Ludwigia palustris</i> *		OBL	50
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (20%)		Status	% Cover
				<i>Solanum dulcamara</i> *		FAC+	100

  

<b>Percent of dominant species FAC, FACW, or OBL*:</b>		100%	<b>Criteria Met: Yes</b>
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<b>Comments:</b>	
<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: CC-5E-103			
Applicant: City of Sweet Home		County: Linn		Date: October 22, 1999			
Investigators: PF/CR		Township: 13S		Range: 1E Section: 30			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:				
	Depth of inundation: Inches		Drift lines:				
	Depth to free water: >14 Inches		Drainage patterns: Yes				
	Depth to saturation: >14 Inches		Oxidized rhizospheres: Yes				
	Other: algal mats		Sediment deposits:				
<b>Criteria Met:</b>			<b>Yes</b>				
<b>SOILS</b>		Mapped Series: McBee silty clay loam		Hydric Soil?: No			
		Classification: Cumulic Ultic Haploxerolls		Drainage Class: moderately well drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-14	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		gravel and rock throughout	
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met:</b>						<b>Yes</b>	
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		Status	% Cover
				<i>Bidens cernua</i> *		FACW+	40
				<i>Phalaris arundinacea</i> *		FACW	20
				<i>Scirpus microcarpus</i>		OBL	10
				<i>Echinochloa crus-galli</i> *		FACW	20
				<i>Polygonum hydropiperoides</i>		OBL	10
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:				100%		<b>Criteria Met: Yes</b>	
Comments:							
<b>Determination:</b>						<b>Wetland</b>	



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: CC-5E-104			
Applicant: City of Sweet Home		County: Linn		Date: October 22, 1999			
Investigators: PF/CR		Township: 13S		Range: 1E Section: 30			
<b>Primary Indicators</b>			<b>Secondary Indicators</b>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:				
	Depth of inundation: Inches		Drift lines:				
	Depth to free water: >14 Inches		Drainage patterns:				
	Depth to saturation: >14 Inches		Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met: No</b>							
<b>SOILS</b>		Mapped Series: McBee silty clay loam		Hydric Soil?: No			
		Classification: Cumulic Ultic Haploxerolls		Drainage Class: moderately well drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-14	10YR 3/2	SL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: No</b>							
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		Status	% Cover
				<i>Trifolium pratense</i>		FACU	10
				<i>Agropyron repens*</i>		FACU	30
				<i>Daucus carota</i>		UPL	10
				<i>Hypochaeris radicata</i>		FACU	5
				<i>Festuca arundinacea*</i>		FAC-	20
				<i>Agrostis stolonifera*</i>		FAC	20
Shrub Stratum (0%)		Status	% Cover				
				Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:						33%	<b>Criteria Met: No</b>
Comments:							
						<b>Determination: Upland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: CC-8-105				
Applicant: City of Sweet Home		County: Linn		Date: October 5, 1999				
Investigators: CR/PF		Township: 13S		Range: 1E Section: 32				
<u>Primary Indicators</u>			<u>Secondary Indicators</u>					
<b>HYDROLOGY</b>			Inundated (Yes/No): No Depth of inundation:           Inches Depth to free water:       4   Inches Depth to saturation:       0   Inches Other:			Water marks: Drift lines: Drainage patterns:           Yes Oxidized rhizospheres: Sediment deposits:		
			<b>Criteria Met: Yes</b>					
<b>SOILS</b>		Mapped Series: Salem gravelly silt loam		Hydric Soil?: No				
		Classification: Pachic Ultic Argixerolls		Drainage Class: well drained				
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments		
			Color	abundance/size/contrast				
0-8		organic muck						
8+	5Y 2.1/1	SCL						
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay								
<b>Criteria Met: Yes</b>								
<b>VEGETATION</b>								
Tree Stratum ( 0% )		Status	% Cover	Herbaceous Stratum ( 50% )		Status	% Cover	
				<i>Typha latifolia</i> * <i>Bidens cernua</i> *		OBL	30	
						FACW+	70	
Shrub Stratum ( 20% )		Status	% Cover	Woody Vine Stratum ( 30% )		Status	% Cover	
<i>Salix lasiandra</i> *		FACW+	100	<i>Solanum dulcamara</i> *		FAC+	100	
Percent of dominant species FAC, FACW, or OBL*:						100%	<b>Criteria Met: Yes</b>	
Comments:								
<b>Determination: Wetland</b>								



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-1A-106		
Applicant: City of Sweet Home		County: Linn		Date: October 15, 1999		
Investigators: FS/PF		Township: 14S		Range: 1E Section: 6		
<u>Primary Indicators</u>			<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:			
	Depth of inundation:	Inches	Drift lines:			
	Depth to free water:	2 Inches	Drainage patterns:			
	Depth to saturation:	0 Inches	Oxidized rhizospheres:			
	Other:		Sediment deposits:			
<b>Criteria Met: Yes</b>						
<b>SOILS</b>		Mapped Series: Salkum silty clay loam, 8-15%		Hydric Soil?: No		
		Classification: Xeric Haplohumults		Drainage Class: well drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/1	mucky peat				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met: Yes</b>						
<b>VEGETATION</b>						
<b>Tree Stratum (20%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (80%)</b>		<b>Status</b> <b>% Cover</b>
<i>Alnus rubra</i> *		FAC	100	<i>Oenanthe sarmentosa</i> *		OBL    60
				<i>Lysichitum americanum</i> *		OBL    30
				<i>Athyrium filix-femina</i>		FAC    10
				<i>Lysichiton</i>		
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*: 100%						<b>Criteria Met: Yes</b>
Comments:						
<b>Determination: Wetland</b>						



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-1A-107			
Applicant: City of Sweet Home		County: Linn		Date: October 15, 1999			
Investigators: FS/PF		Township: 14S		Range: 1E Section: 6			
<b>Primary Indicators</b>			<b>Secondary Indicators</b>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:				
	Depth of inundation: Inches		Drift lines:				
	Depth to free water: >16 Inches		Drainage patterns:				
	Depth to saturation: >16 Inches		Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met: No</b>							
<b>SOILS</b>		Mapped Series: Salkum silty clay loam, 8-15% Classification: Xeric Haplohumults		Hydric Soil?: No Drainage Class: well drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 3/3	SL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: No</b>							
<b>VEGETATION</b>							
Tree Stratum ( 0% )		Status	% Cover	Herbaceous Stratum ( 60% )		Status	% Cover
				<i>Cirsium arvense</i> *		FACU+	30
				<i>Daucus carota</i> *		UPL	20
				<i>Chrysanthemum leucanthemum</i>		UPL	10
				<i>Hypericum perforatum</i>		UPL	10
				<i>Holcus lanatus</i> *		FAC	20
				<i>Madia glomerata</i>		UPL	10
Shrub Stratum ( 20% )		Status	% Cover	Woody Vine Stratum ( 20% )		Status	% Cover
<i>Pseudotsuga menziesii</i> *		FACU	70				
<i>Cytisus scoparius</i> *		UPL	30	<i>Rubus discolor</i> *		FACU	20
				<i>Rubus ursinus</i> *		FACU	80
Percent of dominant species FAC, FACW, or OBL*:						14%	<b>Criteria Met: No</b>
Comments:							
						<b>Determination: Upland</b>	



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>	Number: <b>9-1884</b>	Sample Site: <b>AC-1B-108</b>
Applicant: <b>City of Sweet Home</b>	County: <b>Linn</b>	Date: <b>October 15, 1999</b>
Investigators: <b>FS/PF</b>	Township: <b>14S</b>	Range: <b>1E</b> Section: <b>6</b>

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): <b>No</b>	Water marks:
	Depth of inundation: <b>4</b> Inches	Drift lines:
	Depth to free water: <b>4</b> Inches	Drainage patterns:
	Depth to saturation: <b>0</b> Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		Criteria Met: <b>Yes</b>

<b>SOILS</b>	Mapped Series: <b>McAlpin silty clay loam, 3-6%</b>	Hydric Soil?: <b>No</b>
	Classification: <b>Cumulic Ultic Haploxerolls</b>	Drainage Class: <b>moderately well drained</b>

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-3	organic	GL				
3-14	10YR 3/1					

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay  
 GL=Gravelly Loam

	Criteria Met: <b>Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Agrostis stolonifera</i> *	<b>FAC</b>	<b>20</b>	
			<i>Sparganium emersum</i> *	<b>OBL</b>	<b>20</b>	
			<i>Ludwigia palustris</i>	<b>OBL</b>	<b>10</b>	
			<i>Veronica americana</i>	<b>OBL</b>	<b>2</b>	
			<i>Bidens frondosa</i> *	<b>FACW+</b>	<b>20</b>	
			<i>Eleocharis ovata</i>	<b>OBL</b>	<b>5</b>	
Shrub Stratum (0%)	Status	% Cover	<i>Mentha piperita</i> *	<b>FACW+</b>	<b>20</b>	
			<i>Oenanthe sarmentosa</i>	<b>OBL</b>	<b>3</b>	
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL*: <b>100%</b>	Criteria Met: <b>Yes</b>
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Comments:	Determination: <b>Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: AC-1C-109
Applicant: City of Sweet Home		County: Linn	Date: October 15, 1999
Investigators: FS/PF		Township: 14S	Range: 1E Section: 6

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns:
	Depth to saturation: >16 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met: No</b>

<b>SOILS</b>	Mapped Series: McAlpin silty clay loam, 3-6%	Hydric Soil?: No
	Classification: Cumulic Ultic Haploxerolls	Drainage Class: moderately well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/4	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met: No</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover	
			<i>Pteridium aquilinum</i> *	FACU	20	
			<i>Daucus carota</i> *	UPL	20	
			<i>Hypochaeris radicata</i> *	FACU	20	
			<i>Holcus lanatus</i> *	FAC	20	
			<i>Festuca arundinacea</i>	FAC-	10	
			<i>Cirsium vulgare</i>	FACU	5	
Shrub Stratum (10%)	Status	% Cover				
<i>Pseudotsuga menziesii</i> *	FACU	100				
			Woody Vine Stratum (20%)	Status	% Cover	
			<i>Rubus discolor</i> *	FACU	100	

Percent of dominant species FAC, FACW, or OBL*: 17%	<b>Criteria Met: No</b>
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Comments:	<b>Determination: Upland</b>
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: AC-IC-110	
Applicant: City of Sweet Home		County: Linn		Date: October 15, 1999		
Investigators: FS/PF		Township: 14S		Range: 1E		Section: 6

  

Primary Indicators			Secondary Indicators			
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:			
	Depth of inundation:	Inches	Drift lines:			
	Depth to free water:	~6 Inches	Drainage patterns:			
	Depth to saturation:	3 Inches	Oxidized rhizospheres: Yes			
	Other:		Sediment deposits:			
					<b>Criteria Met:</b>	<b>Yes</b>

  

<b>SOILS</b>	Mapped Series: McAlpin silty clay loam, 3-6%	Hydric Soil?:	No
	Classification: Cumulic Ultic Haploxerolls	Drainage Class: moderately well drained	

  

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-4	10YR 3/2	SL				
4-14	10YR 3/1	SCL	10YR 3/4	few, fine, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

					<b>Criteria Met:</b>	<b>Yes</b>
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VEGETATION							
Tree Stratum (15%)		Status	% Cover	Herbaceous Stratum (80%)		Status	% Cover
<i>Alnus rubra</i> *		FAC	100	<i>Mentha piperita</i> *		FACW+	40
				<i>Juncus ensifolius</i>		FACW	5
				<i>Holcus lanatus</i> *		FAC	20
				<i>Ranunculus repens</i> *		FACW	20
				<i>Agrostis stolonifera</i>		FAC	10
				<i>Epilobium watsonii</i>		FACW-	5
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (5%)		Status	% Cover
				<i>Rubus discolor</i> *		FACU	100

  

Percent of dominant species FAC, FACW, or OBL*:			80%	<b>Criteria Met:</b>	<b>Yes</b>
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Comments:					<b>Determination:</b>	<b>Wetland</b>
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: AC-3B-111		
Applicant: City of Sweet Home		County: Linn			Date: September 30, 1999		
Investigators: PF/JVS		Township: 13S		Range: 1E	Section: 31		
<u>Primary Indicators</u>				<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No):		No		Water marks:		
	Depth of inundation:		1	Inches	Drift lines:		
	Depth to free water:			Inches	Drainage patterns:		
	Depth to saturation:		0	Inches	Oxidized rhizospheres:		
	Other:				Sediment deposits:		
<b>Criteria Met:</b>						<b>Yes</b>	
<b>SOILS</b>	Mapped Series: McAlpin silty clay loam, 3-6%			Hydric Soil?:		No	
	Classification: Cumulic Ultic Haploxerolls			Drainage Class:		moderately well drained	
<b>Depth (Inches)</b>	<b>Matrix Color</b>	<b>Soil Texture*</b>	<b>Redox Concentrations</b>		<b>Other Hydric Soil Field Indicators</b>	<b>Comments</b>	
			<b>Color</b>	<b>abundance/size/contrast</b>			
0-5	10YR 3/1	SL	10YR 4.6	common, medium, distinct			
5-14	10YR 3/1	SL			H2S odor		
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met:</b>						<b>Yes</b>	
<b>VEGETATION</b>							
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>		<b>Status</b>	<b>% Cover</b>
				<i>Scirpus microcarpus</i> *		OBL	50
				<i>Veronica americana</i> *		OBL	30
				<i>Juncus effusus</i>		FACW	10
				<i>Equisetum arvense</i>		FAC	10
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>				
				<b>Woody Vine Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>
<b>Percent of dominant species FAC, FACW, or OBL*:</b>				100%		<b>Criteria Met:</b>	
						<b>Yes</b>	
<b>Comments:</b>							
						<b>Determination:</b>	
						<b>Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>		Sample Site: <b>AC-3B-115</b>	
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>		Date: <b>September 30, 1999</b>	
Investigators: <b>PF/JVS</b>		Township: <b>13S</b>		Range: <b>1E</b> Section: <b>32</b>	

Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b> Inundated (Yes/No): No Depth of inundation:           Inches Depth to free water: >14   Inches Depth to saturation: >14   Inches Other:	Water marks: Drift lines: Drainage patterns: Oxidized rhizospheres: Sediment deposits:
<b>Criteria Met: No</b>	

<b>SOILS</b>	<b>Mapped Series:</b> McAlpin silty clay loam, 3-6% <b>Classification:</b> Cumulic Ultic Haploxerolls	<b>Hydric Soil?:</b> No <b>Drainage Class:</b> moderately well drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: No**

VEGETATION						
Tree Stratum ( 75% )			Status	% Cover	Herbaceous Stratum ( 5% )	
<i>Alnus rubra</i> *			FAC	20	<i>Polystichum munitum</i> *	
<i>Acer macrophyllum</i> *			FACU	50		
<i>Fraxinus latifolia</i>			FACW	30		
Shrub Stratum ( 5% )			Status	% Cover		
<i>Ilex aquifolium</i> *			UPL	100		
			Status	% Cover	Woody Vine Stratum ( 15% )	
					<i>Rubus discolor</i> *	
					<i>Rubus ursinus</i> *	
			FACU	80		
			FACU	20		

**Percent of dominant species FAC, FACW, or OBL\*:** 29% **Criteria Met: No**

**Comments:**  
Berm between Ames Creek AC-3B and AC-4.

**Determination: Upland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>	Sample Site: <b>AC-3C-112</b>
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>	Date: <b>September 30, 1999</b>
Investigators: <b>PF/JVS</b>		Township: <b>13S</b>	Range: <b>1E</b> Section: <b>31</b>

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	<b>Inundated (Yes/No):</b> No <b>Depth of inundation:</b> Inches <b>Depth to free water:</b> >12 Inches <b>Depth to saturation:</b> >12 Inches <b>Other:</b> Algal mats	<b>Water marks:</b> <b>Drift lines:</b> <b>Drainage patterns:</b> <b>Oxidized rhizospheres:</b> Yes <b>Sediment deposits:</b>
<b>Criteria Met:</b>		<b>Yes</b>

<b>SOILS</b>	<b>Mapped Series:</b> McAlpin silty clay loam, 3-6% <b>Classification:</b> Cumulic Ultic Haploxerolls	<b>Hydric Soil?:</b> No <b>Drainage Class:</b> moderately well drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-12	10YR 3/1	SL	2.5YR 4/6	many, common, prominent		
>12	10YR 2/1	SL	2.5YR 4/6	many, common, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

<b>Criteria Met:</b>	<b>Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Scirpus microcarpus</i> *	OBL	65	
			<i>Veronica americana</i> *	OBL	25	
			<i>Agrostis sp.</i> *	FAC	20	
Shrub Stratum (0%)	Status	% Cover				
Woody Vine Stratum (0%)	Status	% Cover				

<b>Percent of dominant species FAC, FACW, or OBL*:</b> 100%	<b>Criteria Met:</b> Yes
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<b>Comments:</b>	<b>Determination:</b> Wetland
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## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>		Sample Site: <b>AC-3C-113</b>	
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>		Date: <b>September 30, 1999</b>	
Investigators: <b>PF/JVS</b>		Township: <b>13S</b>		Range: <b>1E</b> Section: <b>31</b>	

  

Primary Indicators			Secondary Indicators		
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:		
	Depth of inundation:	Inches	Drift lines:		
	Depth to free water:	>12 Inches	Drainage patterns:		
	Depth to saturation:	>12 Inches	Oxidized rhizospheres:		
	Other:		Sediment deposits:		
					<b>Criteria Met:</b> <b>No</b>

  

<b>SOILS</b>	Mapped Series: <b>McAlpin silty clay loam, 3-6%</b>	Hydric Soil?:	No
	Classification: <b>Cumulic Ultic Haploxerolls</b>	Drainage Class: <b>moderately well drained</b>	

  

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-12	7.5YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

					<b>Criteria Met:</b> <b>No</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Trifolium repens</i> *	FAC	35	
			<i>Trifolium pratense</i> *	FACU	20	
			<i>Poa sp.</i>	FAC	15	
			<i>Hypochaeris radicata</i>	FACU	5	
			<i>Daucus carota</i>	UPL	5	
			<i>Taraxacum officinale</i>	FACU	5	
Shrub Stratum (0%)	Status	% Cover	<i>Plantago lanceolata</i>	FAC	5	
			<i>Holcus lanatus</i>	FAC	5	
			<i>Crepis capillaris</i>	FACU	5	
			Woody Vine Stratum (0%)	Status	% Cover	

  

Percent of dominant species FAC, FACW, or OBL*:		50%	<b>Criteria Met:</b> <b>No</b>
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Comments:	
Mowed grasses in Sankey Park	
<b>Determination:</b> <b>Upland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-3C-141			
Applicant: City of Sweet Home		County: Linn		Date: April 28, 2000			
Investigators: CR/PF		Township: 13S		Range: 1E Section: 31			
<b>Primary Indicators</b>			<b>Secondary Indicators</b>				
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks: Yes				
	Depth of inundation:	Inches	Drift lines:				
	Depth to free water:	>16 Inches	Drainage patterns: Yes				
	Depth to saturation:	0 Inches	Oxidized rhizospheres:				
	Other:		Sediment deposits:				
<b>Criteria Met:</b>					<b>Yes</b>		
<b>SOILS</b>		Mapped Series: McAlpin silty clay loam, 3-6%		Hydric Soil?: No			
		Classification: Ultic Haploxerolls		Drainage Class: Moderately well drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 3/2	SCL	7.5YR 4/6	few, medium, distinct			
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay					<b>Criteria Met: Yes</b>		
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (80%)		Status	% Cover
				<i>Ranunculus repens</i> *		FACW	20
				<i>Trifolium dubium</i> *		UPL	20
				<i>Scirpus microcarpus</i> *		OBL	20
				<i>Holcus lanatus</i> *		FAC	20
				<i>Veronica americana</i>		OBL	5
				<i>Juncus effusus</i>		FACW	5
Shrub Stratum (20%)		Status	% Cover	<i>Galium aparine</i>		FACU	5
<i>Salix scouleriana</i> *		FAC	60				
<i>Cornus stolonifera</i> *		FACW	40	Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:				83%		<b>Criteria Met: Yes</b>	
Comments:							
					<b>Determination: Wetland</b>		



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI			Number: 9-1884		Sample Site: AC-3C-141			
Applicant: City of Sweet Home		County: Linn			Date: April 28, 2000			
Investigators: CR/PF		Township: 13S	Range: 1E	Section: 31				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; text-align: center;"><u>Primary Indicators</u></td> <td style="width: 50%; text-align: center;"><u>Secondary Indicators</u></td> </tr> </table>							<u>Primary Indicators</u>	<u>Secondary Indicators</u>
<u>Primary Indicators</u>	<u>Secondary Indicators</u>							
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>HYDROLOGY</b>            Inundated (Yes/No): No            Depth of inundation: Inches            Depth to free water: &gt;16 Inches            Depth to saturation: 0 Inches            Other:         </td> <td style="width: 50%; vertical-align: top;">           Water marks: Yes            Drift lines:            Drainage patterns: Yes            Oxidized rhizospheres:            Sediment deposits:         </td> </tr> </table>							<b>HYDROLOGY</b> Inundated (Yes/No): No Depth of inundation: Inches Depth to free water: >16 Inches Depth to saturation: 0 Inches Other:	Water marks: Yes Drift lines: Drainage patterns: Yes Oxidized rhizospheres: Sediment deposits:
<b>HYDROLOGY</b> Inundated (Yes/No): No Depth of inundation: Inches Depth to free water: >16 Inches Depth to saturation: 0 Inches Other:	Water marks: Yes Drift lines: Drainage patterns: Yes Oxidized rhizospheres: Sediment deposits:							
<b>Criteria Met:</b>						<b>Yes</b>		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <b>SOILS</b>            Mapped Series: McAlpin silty clay loam, 3-6%            Classification: Ultic Haploxerolls         </td> <td style="width: 50%; vertical-align: top;">           Hydric Soil?: No            Drainage Class: Moderately well drained         </td> </tr> </table>							<b>SOILS</b> Mapped Series: McAlpin silty clay loam, 3-6% Classification: Ultic Haploxerolls	Hydric Soil?: No Drainage Class: Moderately well drained
<b>SOILS</b> Mapped Series: McAlpin silty clay loam, 3-6% Classification: Ultic Haploxerolls	Hydric Soil?: No Drainage Class: Moderately well drained							
Depth (Inches)	Matrix Color	Soil Texture*	<u>Redox Concentrations</u>		<u>Other Hydric Soil Field Indicators</u>	<u>Comments</u>		
			<u>Color</u>	<u>abundance/size/contrast</u>				
0-16	10YR 3/2	SCL	7.5YR 4/6	few, medium, distinct				
<small>*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay</small>								
<b>Criteria Met:</b>						<b>Yes</b>		
<b>VEGETATION</b>								
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (80%)</b>		<b>Status</b>	<b>% Cover</b>	
				<i>Ranunculus repens</i> * <i>Trifolium dubium</i> * <i>Scirpus microcarpus</i> * <i>Holcus lanatus</i> * <i>Veronica americana</i> <i>Juncus effusus</i>		FACW UPL OBL FAC PBL FACW FACU	20 20 20 20 5 5 5	
<b>Shrub Stratum (20%)</b>		<b>Status</b>	<b>% Cover</b>	<i>Galium aparine</i>				
<i>Salix scouleriana</i> * <i>Cornus stolonifera</i> *		FAC FACW	60 40	<b>Woody Vine Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	
Percent of dominant species FAC, FACW, or OBL*:						83%	<b>Criteria Met: Yes</b>	
Comments:								
<b>Determination:</b>						<b>Wetland</b>		



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-4-114					
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999					
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 32					
<u>Primary Indicators</u>			<u>Secondary Indicators</u>						
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:						
	Depth of inundation: Inches		Drift lines:						
	Depth to free water: >14 Inches		Drainage patterns:						
	Depth to saturation: >14 Inches		Oxidized rhizospheres: Yes						
	Other: Algal mats		Sediment deposits:						
<b>Criteria Met: Yes</b>									
<b>SOILS</b>		Mapped Series: McAlpin silty clay loam, 3-6%		Hydric Soil?: No					
		Classification: Cumulic Ultic Haploxerolls		Drainage Class: moderately well drained					
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments			
			Color	abundance/size/contrast					
0-14	10YR 3/1	CL	2.5YR 4/6	common, medium, prominent					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay									
<b>Criteria Met: Yes</b>									
<b>VEGETATION</b>									
Tree Stratum ( 0% )			Status	% Cover	Herbaceous Stratum ( 40% )		Status	% Cover	
					<i>Polygonum sp.*</i> <i>Bidens cernua*</i>		FAC	70	
							FACW+	30	
Shrub Stratum ( 60% )			Status	% Cover	Woody Vine Stratum ( 0% )		Status	% Cover	
<i>Salix lasiandra*</i>			FACW+	60					
<i>Salix scouleriana*</i>			FAC	40					
Percent of dominant species FAC, FACW, or OBL*:						100%	<b>Criteria Met: Yes</b>		
Comments:									
								<b>Determination: Wetland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-4-116		
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999		
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 32		
<b>Primary Indicators</b>			<b>Secondary Indicators</b>			
<b>HYDROLOGY</b>			Inundated (Yes/No): No Depth of inundation: Inches Depth to free water: >12 Inches Depth to saturation: >12 Inches Other:			
			Water marks: Drift lines: Drainage patterns: Oxidized rhizospheres: Sediment deposits:			
			<b>Criteria Met: No</b>			
<b>SOILS</b>		Mapped Series: McAlpin silty clay loam, 3-6%		Hydric Soil?: No		
		Classification: Cumulic Ultic Haploxerolls		Drainage Class: moderately well drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
0-5	10YR 3/3	SL	Color	abundance/size/contrast		
5-12	10YR 3/2					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
					<b>Criteria Met: No</b>	
<b>VEGETATION</b>						
<b>Tree Stratum (40%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
<i>Alnus rubra</i> *		FAC	60			
<i>Populus trichocarpa</i> *		FAC	20			
<i>Robinia pseudoacacia</i> *		FACU	20			
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (60%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Rubus discolor</i> *		FACU 100
<b>Percent of dominant species FAC, FACW, or OBL*:</b>		50%		<b>Criteria Met: No</b>		
<b>Comments:</b>						
					<b>Determination: Upland</b>	



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-5-117			
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999			
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 32			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>	Inundated (Yes/No):		No		Water marks:		
	Depth of inundation:		Inches		Drift lines:		
	Depth to free water:		>18 Inches		Drainage patterns:		
	Depth to saturation:		>18 Inches		Oxidized rhizospheres:		
	Other:				Sediment deposits:		
<b>Criteria Met: No</b>							
<b>SOILS</b>		Mapped Series: McAlpin silty clay loam, 3-6%		Hydric Soil?: No			
		Classification: Cumulic Ultic Haploxerolls		Drainage Class: moderately well drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-18	10YR 3/2	SL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: No</b>							
<b>VEGETATION</b>							
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (10%)</b>		<b>Status</b>	<b>% Cover</b>
				<i>Pteridium aquilinum</i> *		FACU	100
<b>Shrub Stratum (30%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (60%)</b>		<b>Status</b>	<b>% Cover</b>
<i>Salix scoulerana</i> *		FAC	100	<i>Rubus discolor</i> *		FACU	100
Percent of dominant species FAC, FACW, or OBL*:						33%	<b>Criteria Met: No</b>
Comments:							
<b>Determination: Upland</b>							



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-5-118	
Applicant: City of Sweet Home		County: Linn		Date: September 30, 1999	
Investigators: PF/JVS		Township: 13S		Range: 1E Section: 32	

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks: Yes
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: >16 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
<b>Criteria Met: Yes</b>		

**SOILS**      Mapped Series: McAlpin silty clay loam, 3-6%      Hydric Soil?: No  
 Classification: Cumulic Ultic Haploxerolls      Drainage Class: moderately well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-10	10YR 3/2	SL				
>10	10YR 3/1	SCL	10YR 4/6	common, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (20%)		Status	% Cover
				<i>Carex obnupta</i> *		OBL	100
Shrub Stratum (75%)		Status	% Cover	Woody Vine Stratum (5%)		Status	% Cover
<i>Rosa pisocarpa</i> *		FAC	20	<i>Rubus ursinus</i> *		FACU	100
<i>Cornus stolonifera</i> *		FACW	50				
<i>Salix scouleriana</i> *		FAC	30				

Percent of dominant species FAC, FACW, or OBL\*: 80%      **Criteria Met: Yes**

Comments:

**Determination: Wetland**



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: AC-7-119
Applicant: City of Sweet Home	County: Linn	Date: October 22, 1999	
Investigators: PF/CR	Township: 13S	Range: 1E	Section: 32

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >14 Inches	Drainage patterns:
	Depth to saturation: >14 Inches	Oxidized rhizospheres:
	Other:	Sediment deposits:
		<b>Criteria Met:</b> No

**SOILS**      Mapped Series: McAlpin silty clay loam, 3-6%      Hydric Soil?: No  
 Classification: Cumulic Ultic Haploxerolls      Drainage Class: moderately well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/3	SL				

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** No

**VEGETATION**

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (70%)	Status	% Cover
			<i>Festuca arundinacea</i> *	FAC-	50
			<i>Holcus lanatus</i> *	FAC	30
			<i>Dactylis glomerata</i> *	FACU	20
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (30%)	Status	% Cover
			<i>Rubus discolor</i> *	FACU	100

Percent of dominant species FAC, FACW, or OBL\*: 25%      **Criteria Met:** No

Comments:

**Determination:** Upland



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-7-120	
Applicant: City of Sweet Home		County: Linn		Date: October 22, 1999	
Investigators: PF/CR		Township: 13S		Range: 1E Section: 32	

  

Primary Indicators			Secondary Indicators			
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:			
	Depth of inundation:	Inches	Drift lines:			
	Depth to free water:	>16 Inches	Drainage patterns:			Yes
	Depth to saturation:	>16 Inches	Oxidized rhizospheres:			Yes
	Other:		Sediment deposits:			
<b>Criteria Met:</b>					<b>Yes</b>	

  

<b>SOILS</b>	Mapped Series: McAlpin silty clay loam, 3-6%	Hydric Soil?:	No
	Classification: Cumulic Ultic Haploxerolls	Drainage Class: moderately well drained	

  

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL	7.5YR 4/6	common, coarse, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

  

<b>Criteria Met:</b>					<b>Yes</b>
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Holcus lanatus</i> *	FAC	30	
			<i>Alopecurus pratensis</i> *	FACW	35	
			<i>Echinochloa crus-galli</i> *	FACW	20	
			<i>Veronica americana</i>	OBL	10	
			<i>Rumex crispus</i>	FAC+	5	
Shrub Stratum (0%)	Status	% Cover	Woody Vine Stratum (0%)	Status	% Cover	

  

Percent of dominant species FAC, FACW, or OBL*:		100%	<b>Criteria Met:</b>	<b>Yes</b>
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Comments:		
<b>Determination:</b>		<b>Wetland</b>

# Wetland Determination Data Form

## Routine Onsite Method



Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>	Sample Site: <b>AC-8-121</b>
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>	Date: <b>October 22, 1999</b>
Investigators: <b>PF/CR</b>		Township: <b>13S</b>	Range: <b>1E</b> Section: <b>31</b>

	Primary Indicators		Secondary Indicators	
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:	
	Depth of inundation:	Inches	Drift lines:	
	Depth to free water:	>14 Inches	Drainage patterns:	Yes
	Depth to saturation:	>14 Inches	Oxidized rhizospheres:	Yes
	Other: evidence of ponding		Sediment deposits:	
			<b>Criteria Met:</b> <b>Yes</b>	

<b>SOILS</b>	Mapped Series: Pengra silt loam, 1-4% Classification: Typic Haplaquolls	Hydric Soil?: <b>Yes</b> Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 3/2	SL	7.5YR 4/6	many, medium, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met:** **Yes**

<b>VEGETATION</b>						
Tree Stratum (5%)	Status	% Cover	Herbaceous Stratum (95%)	Status	% Cover	
<i>Salix lasiandra</i> *	FACW+	100	<i>Polygonum lapathifolium</i> *	FACW	20	
			<i>Eleocharis palustris</i> *	OBL	30	
			<i>Equisetum arvense</i>	FAC	5	
			<i>Juncus patens</i>	FACW	15	
			<i>Scirpus microcarpus</i> *	OBL	20	
			<i>Epilobium watsonii</i>	FACW-	5	
Shrub Stratum (0%)	Status	% Cover	<i>Echinochloa crus-galli</i>	FACW	5	
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: **100%**

**Criteria Met:** **Yes**

Comments:

**Determination:** **Wetland**



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-8-122			
Applicant: City of Sweet Home		County: Linn		Date: October 22, 1999			
Investigators: PF/CR		Township: 13S		Range: 1E Section: 31			
<b>Primary Indicators</b>			<b>Secondary Indicators</b>				
<b>HYDROLOGY</b>			<b>Water marks:</b>				
Inundated (Yes/No): No			Drift lines:				
Depth of inundation: Inches			Drainage patterns:				
Depth to free water: >14 Inches			Oxidized rhizospheres:				
Depth to saturation: >14 Inches			Sediment deposits:				
Other:			<b>Criteria Met: No</b>				
<b>SOILS</b>		Mapped Series: Pengra silt loam, 1-4%		Hydric Soil?: Yes			
		Classification: Typic Haplaquolls		Drainage Class: somewhat poorly drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
0-14	10YR 3/4 10YR 4/6	SL	Color	abundance/size/contrast		w/small pebbles	
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
<b>Criteria Met: No</b>							
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		Status	% Cover
				<i>Trifolium repens</i> *		FAC	20
				<i>Hypochaeris radicata</i> *		FACU	20
				<i>Taraxacum officinale</i>		FACU	10
				<i>Holcus lanatus</i> *		FAC	20
				<i>Chrysanthemum leucanthemum</i>		UPL	5
				<i>Poa sp.</i> *		FACU	20
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:				50%		<b>Criteria Met: No</b>	
Comments:							
						<b>Determination: Upland</b>	



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: AC-8-123
Applicant: City of Sweet Home		County: Linn	Date: October 22, 1999
Investigators: PF/CR		Township: 13S	Range: 1E Section: 31

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: >16 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Pengra silt loam, 1-4% Classification: Typic Haplaquolls	Hydric Soil?: Yes Drainage Class: somewhat poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SCL	5YR 4/6	many, prominent, coarse		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Eleocharis ovata</i> *	OBL	20	
			<i>Scirpus microcarpus</i> *	OBL	30	
			<i>Agrostis stolonifera</i> *	FAC	50	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: AC-9-124				
Applicant: City of Sweet Home		County: Linn		Date: October 22, 1999				
Investigators: PF/CR		Township: 13S		Range: 1E Section: 31				
<u>Primary Indicators</u>			<u>Secondary Indicators</u>					
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:					
	Depth of inundation: Inches		Drift lines:					
	Depth to free water: >14 Inches		Drainage patterns:					
	Depth to saturation: >14 Inches		Oxidized rhizospheres:					
	Other:		Sediment deposits:					
<b>Criteria Met:</b>					<b>No</b>			
<b>SOILS</b>			Mapped Series: Pengra silt loam, 1-4%		Hydric Soil?: Yes			
			Classification: Typic Haplaquolls		Drainage Class: somewhat poorly drained			
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments		
			Color	abundance/size/contrast				
0-14	10YR 3/3	SL						
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay								
<b>Criteria Met:</b>					<b>No</b>			
<b>VEGETATION</b>								
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (80%)		Status	% Cover	
				<i>Daucus carota</i> *		UPL	20	
				<i>Agrostis tenuis</i> *		FAC	30	
				<i>Hypochaeris radicata</i> *		FACU	20	
				<i>Holcus lanatus</i>		FAC	10	
				<i>Festuca arundinacea</i> *		FAC-	20	
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (20%)		Status	% Cover	
				<i>Rubus ursinus</i> *		FACU	100	
Percent of dominant species FAC, FACW, or OBL*:					20%	<b>Criteria Met:</b>		<b>No</b>
Comments:								
<b>Determination:</b>							<b>Upland</b>	



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI	Number: 9-1884	Sample Site: AC-9-125
Applicant: City of Sweet Home	County: Linn	Date: October 22, 1999
Investigators: PF/CR	Township: 13S	Range: 1E Section: 31

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: >16 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Pengra silt loam, 1-4%	Hydric Soil?: Yes
	Classification: Typic Haplaquolls	Drainage Class: somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SL	7.5YR 4/6	common, many, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION								
Tree Stratum (30%)			Status	% Cover	Herbaceous Stratum (30%)		Status	% Cover
<i>Fraxinus latifolia</i> *			FACW	80	<i>Carex obnupta</i> *		OBL	70
<i>Rhamnus purshiana</i> *			FAC-	20	<i>Pteridium aquilinum</i> *		FACU	20
					<i>Juncus effusus</i>		FACW	10
Shrub Stratum (30%)			Status	% Cover	Woody Vine Stratum (10%)		Status	% Cover
<i>Spiraea douglasii</i> *			FACW	40	<i>Rubus laciniatus</i> *		FACU+	100
<i>Crataegus douglasii</i> *			FAC	40				
<i>Cornus stolonifera</i>			FACW	10				
<i>Rosa nutkana</i>			FAC	10				

Percent of dominant species FAC, FACW, or OBL\*: 57%

**Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SBC-1B-126	
Applicant: City of Sweet Home		County: Linn		Date: October 15, 1999	
Investigators: FS/PF		Township: 13S		Range: 1E Section: 36	

  

Primary Indicators			Secondary Indicators			
<b>HYDROLOGY</b>	Inundated (Yes/No):	No	Water marks:			
	Depth of inundation:	Inches	Drift lines:			
	Depth to free water:	>16 Inches	Drainage patterns:			Yes
	Depth to saturation:	>16 Inches	Oxidized rhizospheres:			Yes
	Other:		Sediment deposits:			
					<b>Criteria Met:</b> Yes	

  

<b>SOILS</b>	Mapped Series: Waldo silty clay loam Classification: Fluvaquentic Haplaquolls	Hydric Soil?: Yes Drainage Class: poorly drained
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Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 3/2	SCL	7.5YR 5/8	many, medium, distinct		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

					<b>Criteria Met:</b> Yes
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VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Phalaris arundinacea</i> *	FACW	40	
			<i>Juncus effusus</i>	FACW	10	
			<i>Scirpus microcarpus</i> *	OBL	50	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

  

Percent of dominant species FAC, FACW, or OBL*:	100%	<b>Criteria Met:</b> Yes
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Comments:	<b>Determination:</b> Wetland
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# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884	Sample Site: SBC-1C-127
Applicant: City of Sweet Home		County: Linn	Date: October 15, 1999
Investigators: FS/PF		Township: 13S	Range: 1E Section: 31

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): No	Water marks:
	Depth of inundation: Inches	Drift lines:
	Depth to free water: >16 Inches	Drainage patterns: Yes
	Depth to saturation: 0 Inches	Oxidized rhizospheres: Yes
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: Briedwell silt loam, 0-7%	Hydric Soil?: No
	Classification: Ultic Haploxerolls	Drainage Class: well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-16	10YR 2/2	SL	7.5YR 4/6	few, medium, faint		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Holcus lanatus</i> *	FAC	80	
			<i>Rumex crispus</i>	FAC+	5	
			<i>Festuca arundinacea</i>	FAC-	10	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: 100% **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>		Number: <b>9-1884</b>		Sample Site: <b>SBC-1C-128</b>			
Applicant: <b>City of Sweet Home</b>		County: <b>Linn</b>		Date: <b>October 15, 1999</b>			
Investigators: <b>FS/PF</b>		Township: <b>13S</b>		Range: <b>1E</b> Section: <b>31</b>			
<u>Primary Indicators</u>			<u>Secondary Indicators</u>				
<b>HYDROLOGY</b>							
Inundated (Yes/No):		No		Water marks:			
Depth of inundation:		Inches		Drift lines:			
Depth to free water:		>16 Inches		Drainage patterns:			
Depth to saturation:		>16 Inches		Oxidized rhizospheres:			
Other:				Sediment deposits:			
			<b>Criteria Met:</b> No				
<b>SOILS</b>							
Mapped Series: <b>Briedwell silt loam, 0-7%</b>			Hydric Soil?: <b>No</b>				
Classification: <b>Ultic Haploxerolls</b>			Drainage Class: <b>well drained</b>				
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments	
			Color	abundance/size/contrast			
0-16	10YR 3/3	SL					
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay							
			<b>Criteria Met:</b> No				
<b>VEGETATION</b>							
Tree Stratum (0%)		Status	% Cover	Herbaceous Stratum (100%)		Status	% Cover
				<i>Hypochaeris radicata</i> *		FACU	20
				<i>Festuca arundinacea</i> *		FAC-	20
				<i>Agrostis stolonifera</i> *		FAC	25
				<i>Holcus lanatus</i>		FAC	10
				<i>Trifolium repens</i> *		FAC	20
				<i>Festuca rubra</i>		FAC+	5
Shrub Stratum (0%)		Status	% Cover	Woody Vine Stratum (0%)		Status	% Cover
Percent of dominant species FAC, FACW, or OBL*:				50%		<b>Criteria Met:</b> Yes	
Comments:							
						<b>Determination:</b> Upland	



# Wetland Determination Data Form

## Routine Onsite Method

Pacific Habitat Services, Inc.

Project: <b>Sweet Home LWI</b>	Number: <b>9-1884</b>	Sample Site: <b>SBC-2-129</b>
Applicant: <b>City of Sweet Home</b>	County: <b>Linn</b>	Date: <b>October 15, 1999</b>
Investigators: <b>FS/PF</b>	Township: <b>13S</b>	Range: <b>1E</b> Section: <b>36</b>

	Primary Indicators	Secondary Indicators
<b>HYDROLOGY</b>	Inundated (Yes/No): <b>No</b>	Water marks:
	Depth of inundation: <b>Inches</b>	Drift lines:
	Depth to free water: <b>&gt;16 Inches</b>	Drainage patterns: <b>Yes</b>
	Depth to saturation: <b>&gt;16 Inches</b>	Oxidized rhizospheres: <b>Yes</b>
	Other:	Sediment deposits:
		<b>Criteria Met: Yes</b>

<b>SOILS</b>	Mapped Series: <b>Waldo silty clay loam</b>	Hydric Soil?: <b>Yes</b>
	Classification: <b>Fluvaquentic Haplaquolls</b>	Drainage Class: <b>poorly drained</b>

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-6	10YR 3/2	SL	5YR 4/6	common, medium, distinct		
6-16	10YR 3/2	SCL	7.5YR 5/8	many, coarse, prominent		

\*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

**Criteria Met: Yes**

VEGETATION						
Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover	
			<i>Holcus lanatus</i> *	FAC	20	
			<i>Festuca arundinacea</i> *	FAC-	20	
			<i>Juncus effusus</i>	FACW	10	
			<i>Veronica scutellata</i> *	OBL	20	
			<i>Juncus ensifolius</i>	FACW	5	
			<i>Phalaris arundinacea</i> *	FACW	20	
Shrub Stratum (0%)	Status	% Cover				
			Woody Vine Stratum (0%)	Status	% Cover	

Percent of dominant species FAC, FACW, or OBL\*: **75%** **Criteria Met: Yes**

Comments:

**Determination: Wetland**



## Wetland Determination Data Form Routine Onsite Method

Pacific Habitat Services, Inc.

Project: Sweet Home LWI		Number: 9-1884		Sample Site: SBC-2-130		
Applicant: City of Sweet Home		County: Linn		Date: October 15, 1999		
Investigators: FS/PF		Township: 13S		Range: 1E Section: 36		
<u>Primary Indicators</u>			<u>Secondary Indicators</u>			
<b>HYDROLOGY</b>	Inundated (Yes/No): No		Water marks:			
	Depth of inundation: Inches		Drift lines:			
	Depth to free water: >14 Inches		Drainage patterns:			
	Depth to saturation: >14 Inches		Oxidized rhizospheres:			
	Other:		Sediment deposits:			
<b>Criteria Met: No</b>						
<b>SOILS</b>		Mapped Series: Waldo silty clay loam		Hydric Soil?: Yes		
		Classification: Fluvaquentic Haplaquolls		Drainage Class: poorly drained		
Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations		Other Hydric Soil Field Indicators	Comments
			Color	abundance/size/contrast		
0-14	10YR 2/2	SL				
*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay						
<b>Criteria Met: No</b>						
<b>VEGETATION</b>						
<b>Tree Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Herbaceous Stratum (100%)</b>		<b>Status</b> <b>% Cover</b>
				<i>Hypochaeris radicata</i>		FACU   5
				<i>Anthoxanthum odoratum*</i>		FACU   20
				<i>Agrostis tenuis*</i>		FAC   20
				<i>Festuca arundinacea*</i>		FAC-   20
				<i>Festuca rubra*</i>		FAC+   30
<b>Shrub Stratum (0%)</b>		<b>Status</b>	<b>% Cover</b>	<b>Woody Vine Stratum (0%)</b>		<b>Status</b> <b>% Cover</b>
Percent of dominant species FAC, FACW, or OBL*:				50%		<b>Criteria Met: Yes</b>
<b>Comments:</b> Mowed turf grasses						
						<b>Determination: Upland</b>