

Riparian Characterization Form



Corvallis Riparian Inventory

GENERAL INFORMATION

Location of data point: S of Circle Blvd., W of Kings Blvd.
GPS Location: 44.5857 N 123.2758 W

Date: 8/23/2002
Map Number: W-4

On-site: **Off-Site:**
Riparian Code: WC-DIX-R-18 (L)

Investigators: SE/ME
Reach Length: 825 feet

Hydrologic Basin: DIXON CREEK

WATER RESOURCE INFORMATION

Water Resource:	Stream/River: <input checked="" type="checkbox"/>	Width: <u>2-6</u> feet
	Lake/Pond: <input type="checkbox"/>	Width: _____ feet
	Wetland: <input type="checkbox"/>	Width: _____ feet

LWI Wetland Code: _____

Water present year-round: Yes No

Are salmonids present in the adjacent water resource? Yes No

Is the water resource listed for temperature on DEQ's 303(d) list: Yes No

Within FEMA-mapped 100-year floodplain: Yes No

Mapped soil series: Bashaw clay

Adjacent Land Uses? (Check as many as needed)

Agriculture: <input type="checkbox"/>	Residential: <input checked="" type="checkbox"/>	Undeveloped: <input checked="" type="checkbox"/>
Commercial/Indus.: <input checked="" type="checkbox"/>	Roads: <input type="checkbox"/>	Forestry: <input type="checkbox"/>
	Other: <input type="checkbox"/>	

Dominant tree species: Alnus glutinosa

Comments: see next page

Average slope in the riparian area: (Question 1)

<10:1 (10%) Between 10:1 (10%) and 5:1 (20%) >5:1 (20%)

Extent of impervious surface within the riparian area. (Question 4)

<10% 10% - 25% >25%

Is the stream or water resource constricted by man-made features? (Question 8)

Yes No

Does the orientation of the riparian area allow for shading of the water resource at midday in summer? (Question 9)

Yes No

Dominant vegetation layer within riparian area? (Question 10)

Woody vegetation Herbaceous vegetation Bare ground

Does woody vegetation hang over the edge of the water? (Questions 11 & 14)

Yes No

Large woody debris in riparian area? (Question 15)

Yes No

Percent of water resource bordered by vegetated riparian area at least 30 feet wide? (Question 16)

>40% 10% - 40% <10%

Degree of development or human caused disturbance. (Question 19)

<25% 25% - 75% >75%

How does the NRCS soil survey rank water erosion hazard of the dominant mapped unit in the Riparian Area? (Question 5)

low, slight moderate high, very high, severe

What is the dominant vegetation at the top of bank (if defined) or edge of water resource? (Question 3)

Woody vegetation Herbaceous vegetation Bare ground

Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource? (Question 6)

Yes No

Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

Yes No or no flood prone area present

How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?

More than 2 2 layers 1 layer or unvegetated

Riparian Width Determination

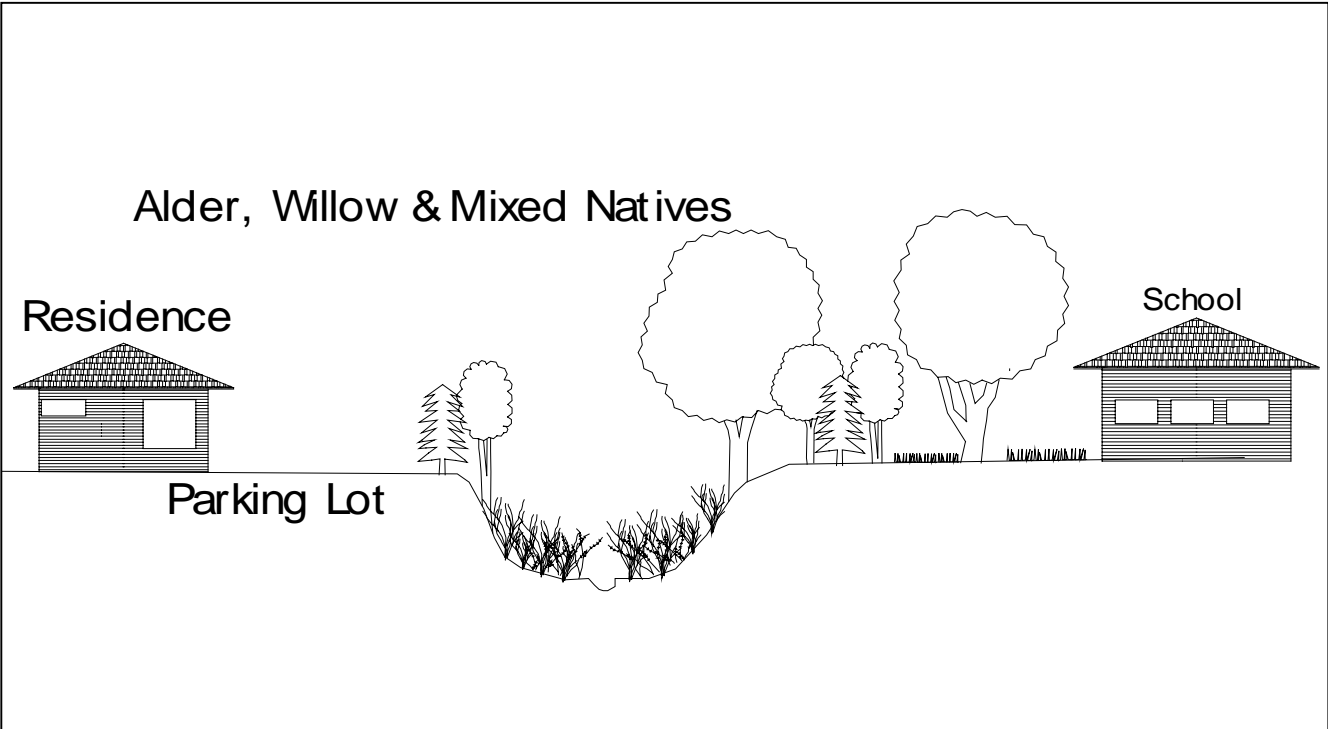


Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-18 (L)

Date: 8/23/2002 Investigators: SE/ME
Dominant tree species: *Alnus glutinosa*

Comments: Beyond the narrow riparian area on the left bank is predominantly an asphalt parking lot.



Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-18 (L)

WATER QUALITY

		Score
1. What is the average slope in the riparian area?		
a. Less than 10:1 (10%)	3 pts	<u>3</u>
b. Between 10:1 (10%) and 5:1 (20%)	2 pts	
c. Greater than 5:1 (20%)	1 pt	
2. What is the dominant vegetation cover in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>1</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
4. What is the extent of impervious surfaces within the riparian area?		
a. Less than 10%	3 pts	<u>1</u>
b. Between 10% and 25%	2 pts	
c. Greater than 25%	1 pt	
5. How does the Natural Resources Conservation Service (formerly Soil Conservation Service) soil survey rank the water erosion hazard of the dominant mapped unit in the riparian area? Select the highest water erosion hazard description if more than one is listed.		
a. Low, slight, moderate	2 pts	<u>2</u>
b. High, severe, very high	1 pts	
Total Points:		<u>10</u>

Function: High (12-14 pts) Medium (8-11 pts) Low (5-7 pts)

FUNCTION IS: MEDIUM

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-18 (L)

FLOOD MANAGEMENT

		Score
6. Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource?		
a. Yes	..... 3 pts	<u>3</u>
b. No	..... 1 pt	
7. Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?		
a. Yes	..... 3 pts	<u>1</u>
b. No or no flood prone area present	..... 1 pt	
8. Is the stream or water resource constricted by man-made features (e.g. channelization, riprap, concrete wall)?		
a. No	..... 3 pts	<u>1</u>
b. Yes	..... 1 pts	
Total Points:		<u>5</u>

Function: High (8-9 pts) Medium (5-7 pts) Low (3-4 pts)

FUNCTION IS: **MEDIUM**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-18 (L)

THERMAL REGULATION

9. Does the aspect or orientation of the riparian area allow for shading of water at midday in the summer?

- a. Yes 3 pts
- b. No 1 pt

Score

3

10. What is the dominant vegetation layer in the riparian area?

- a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high 3 pts
- b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high 2 pts
- c. Bare ground 1 pt

1

11. Does woody vegetation hang over the edge of the water?

- a. Yes 2 pts
- b. No 1 pt

2

Total Points:

6

Function: High (7-8 pts) Medium (5-6 pts) Low (3-4 pts)

FUNCTION IS:

MEDIUM

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-18 (L)

WILDLIFE HABITAT

		Score
12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
13. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>1</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
14. Does woody vegetation hang over the edge of the water?		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
15. Is large woody debris present within the riparian area?		
a. Yes	3 pts	<u>1</u>
b. No	1 pt	
16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?		
a. Greater than 40%	3 pts	<u>1</u>
b. Between 10% and 40%	2 pts	
c. Less than 10%	1 pt	

Questions continued on next page

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-18 (L)

WILDLIFE HABITAT (continued)

		Score
17. Is surface water present throughout the year?		
a. Yes	3 pts	3
b. No	1 pt	
18. Is there more than one type of water resource (e.g. stream, wetland, lake/pond) within or immediately adjacent to the riparian reach?		
a. Yes	3 pts	1
b. No	1 pt	
19. What is the degree of development or human-caused disturbance (e.g. buildings, impervious surfaces, lawns, agriculture, trash) in the riparian area?		
a. Less than 25%	3 pts	1
b. Between 25% and 75%	2 pts	
c. Greater than 75%	1 pt	
Total Points:		13

Function: High (19-23 pts) Medium (13-18 pts) Low (8-12 pts)

FUNCTION IS: MEDIUM

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON	Reach: WC-DIX-R-18L	Size (acres): 4.48
Map: W-4		Length (feet): 825
Dominant Cover Type: BARE		
ARA Cover Type: developed		
Other ARA Types: NONE		
% of Total Cover: Trees: 5 Shrubs: 10 Herbs/Vines: 10 Bare: 75		
Dominant Cover Type At Edge of Water: WOODY		
Edge of Water ARA Type: Shrubs wetland, seasonally		
Riparian System: LOTIC		
Trees:		
Type: MIXED		
Dominant Species: European alder (<i>Alnus glutinosa</i>)		
Secondary Species: Bigleaf maple (<i>Acer macropylum</i>), Douglas fir (<i>Pseudotsuga menziesii</i>), English hawthorn (<i>Crataegus monogyna</i>)		
% Total Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90% <input type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90% <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90% <input type="radio"/> >90%		
Shrubs/Sapling		
Type: DECIDUOUS		
Dominant Species: Pacific willow (<i>Salix lasiandra</i>)		
Secondary Species: Oregon ash (<i>Fraxinus latifolia</i>), Himalayan blackberry (<i>Rubus discolor</i>), Scouler willow (<i>Salix scouleriana</i>)		
% Total Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90% <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90% <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90% <input type="radio"/> >90%		
Herbaceous		
Type: DECIDUOUS		
Dominant Species: reed canarygrass (<i>Phalaris arundinacea</i>)		
Secondary Species: field horsetail (<i>Equisetum arvense</i>), tall fescue (<i>Festuca arundinacea</i>), Canada thistle (<i>Cirsium arvense</i>), spotted cat's ear (<i>Hypochaeris radicata</i>), cow parsnip (<i>Heracleum lanatum</i>), bittersweet nightshade (<i>Solanum dulcamara</i>)		
% Total Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90% <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90% <input checked="" type="radio"/> >90%		
% Native Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90% <input type="radio"/> >90%		

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON

Map: W-4

Reach: WC-DIX-R-18L

RTE Species

ORNHIC Plant Community: None Noted Listed Community Noted

ORNHIC or Benton Co. NSP List None Detected Potential Listed Species Detected

Riparian Condition Assessment

Land Use within: COMMERCIAL

Land Use adjacent: RESIDENTIAL

Infrastructure Impingement: FULLY IMPINGED

In Channel Alteration: UNALTERED

LWD Recruitment Potential: NONE

Shade Potential: MODERATE

RCA Functional Designation: Partially Functional

Restoration Potential

Adjacent slopes of 15% or greater <10% 10%-50% 50%-90 >90%

Undeveloped land within 50ft of top of bank <10% 10%-50% 50%-90 >90%

Within 100-yr floodplain: <10% 10%-50% 50%-90 >90%

Low quality wetlands or hydric soils: <10% 10%-50% 50%-90 >90%

Adjacent landscape areas: <10% 10%-50% 50%-90 >90%

Opportunities: REMOVAL OF Himalayan blackberry (*Rubus discolor*) AND CONTROL OF reed canarygrass (*Phalaris arundinacea*)

Current Efforts SIGN POSTED SAYING" DIXIE CREEK ENHANCEMENT" NO EVIDENCE OF PLANTING

COMMENTS HAS STEEP SLOPE AND IS COMMERCIAL LAND USE BEYOND THE TOP OF BANK

Riparian Characterization Form



Corvallis Riparian Inventory

GENERAL INFORMATION

Location of data point: S of Circle Blvd., W of Kings Blvd.
GPS Location: 44.5857 N 123.2758 W

Date: 8/23/2002
Map Number: W-4

On-site: **Off-Site:**
Riparian Code: WC-DIX-R-18 (R)

Investigators: SE/ME
Reach Length: 825 feet

Hydrologic Basin: DIXON CREEK

WATER RESOURCE INFORMATION

Water Resource: Stream/River: Width: 2-6 feet
Lake/Pond: Width: _____ feet
Wetland: Width: _____ feet

LWI Wetland Code: _____

Water present year-round: Yes No

Are salmonids present in the adjacent water resource? Yes No

Is the water resource listed for temperature on DEQ's 303(d) list: Yes No

Within FEMA-mapped 100-year floodplain: Yes No

Mapped soil series: Bashaw clay

Adjacent Land Uses? (Check as many as needed)

Agriculture: Residential: Undeveloped:
Commercial/Indus.: Roads: Forestry:
Other:

Dominant tree species: Alnus glutinosa

Comments: see next page

Average slope in the riparian area: (Question 1)

<10:1 (10%) Between 10:1 (10%) and 5:1 (20%) >5:1 (20%)

Extent of impervious surface within the riparian area. (Question 4)

<10% 10% - 25% >25%

Is the stream or water resource constricted by man-made features? (Question 8)

Yes No

Does the orientation of the riparian area allow for shading of the water resource at midday in summer? (Question 9)

Yes No

Dominant vegetation layer within riparian area? (Question 10)

Woody vegetation Herbaceous vegetation Bare ground

Does woody vegetation hang over the edge of the water? (Questions 11 & 14)

Yes No

Large woody debris in riparian area? (Question 15)

Yes No

Percent of water resource bordered by vegetated riparian area at least 30 feet wide? (Question 16)

>40% 10% - 40% <10%

Degree of development or human caused disturbance. (Question 19)

<25% 25% - 75% >75%

How does the NRCS soil survey rank water erosion hazard of the dominant mapped unit in the Riparian Area? (Question 5)

low, slight moderate high, very high, severe

What is the dominant vegetation at the top of bank (if defined) or edge of water resource? (Question 3)

Woody vegetation Herbaceous vegetation Bare ground

Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource? (Question 6)

Yes No

Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

Yes No or no flood prone area present

How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?

More than 2 2 layers 1 layer or unvegetated

Riparian Width Determination

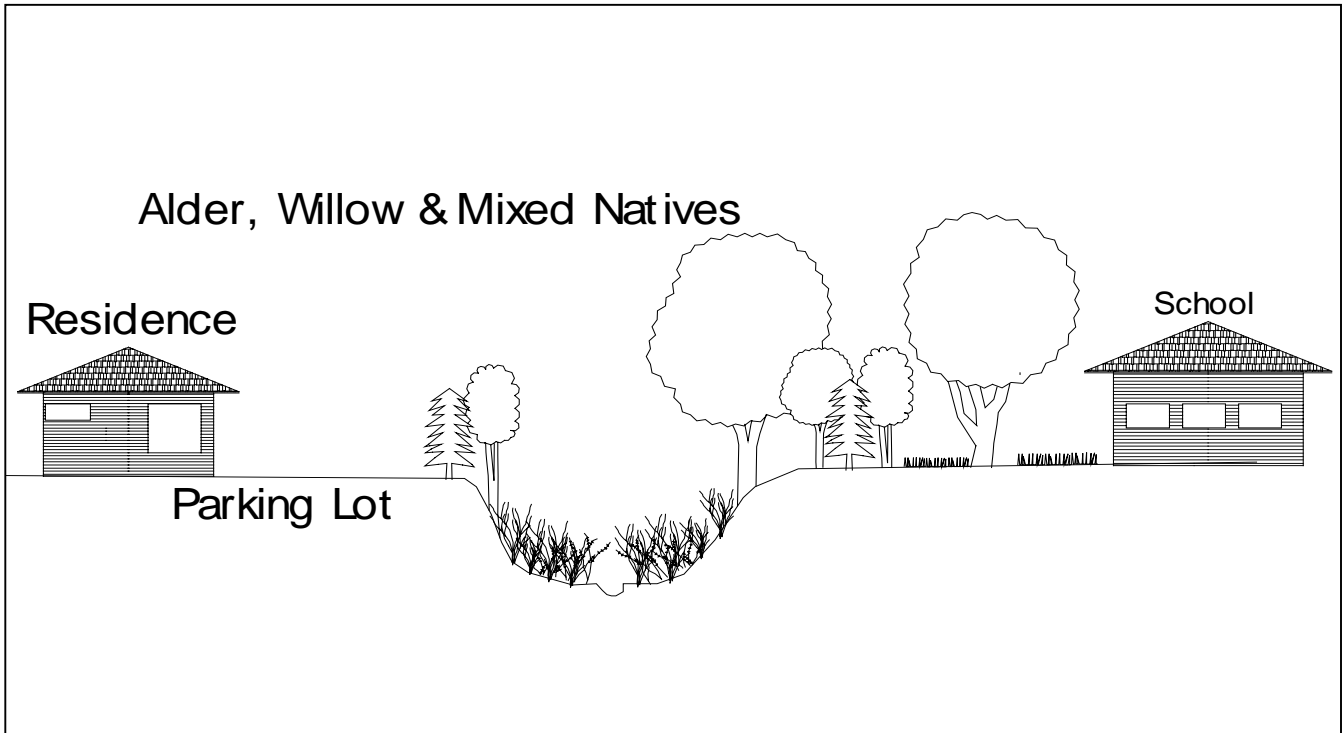


Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-18 (R)

Date: 8/23/2002 Investigators: SE/ME
Dominant tree species: *Alnus glutinosa*

Comments: Right bank of the riparian area has current enhancement efforts, which includes the planting of native trees, shrubs, and ground cover (*Festuca arundinacea*).



Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-18 (R)

WATER QUALITY

		Score
1. What is the average slope in the riparian area?		
a. Less than 10:1 (10%)	3 pts	<u>3</u>
b. Between 10:1 (10%) and 5:1 (20%)	2 pts	
c. Greater than 5:1 (20%)	1 pt	
2. What is the dominant vegetation cover in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>2</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
4. What is the extent of impervious surfaces within the riparian area?		
a. Less than 10%	3 pts	<u>3</u>
b. Between 10% and 25%	2 pts	
c. Greater than 25%	1 pt	
5. How does the Natural Resources Conservation Service (formerly Soil Conservation Service) soil survey rank the water erosion hazard of the dominant mapped unit in the riparian area? Select the highest water erosion hazard description if more than one is listed.		
a. Low, slight, moderate	2 pts	<u>2</u>
b. High, severe, very high	1 pts	
Total Points:		<u>13</u>

Function: High (12-14 pts) Medium (8-11 pts) Low (5-7 pts)

FUNCTION IS: **HIGH**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-18 (R)

FLOOD MANAGEMENT

		Score
6. Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource?		
a. Yes	..... 3 pts	3
b. No	..... 1 pt	
7. Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?		
a. Yes	..... 3 pts	1
b. No or no flood prone area present	..... 1 pt	
8. Is the stream or water resource constricted by man-made features (e.g. channelization, riprap, concrete wall)?		
a. No	..... 3 pts	1
b. Yes	..... 1 pts	
Total Points:		5

Function: High (8-9 pts) Medium (5-7 pts) Low (3-4 pts)

FUNCTION IS: **MEDIUM**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-18 (R)

THERMAL REGULATION

		Score
9. Does the aspect or orientation of the riparian area allow for shading of water at midday in the summer?		
a. Yes	..... 3 pts	<u>3</u>
b. No	..... 1 pt	
10. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	..... 3 pts	<u>2</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	..... 2 pts	
c. Bare ground	..... 1 pt	
11. Does woody vegetation hang over the edge of the water?		
a. Yes	..... 2 pts	<u>2</u>
b. No	..... 1 pt	
Total Points:		<u>7</u>

Function: High (7-8 pts) Medium (5-6 pts) Low (3-4 pts)

FUNCTION IS: **HIGH**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-18 (R)

WILDLIFE HABITAT

		Score
12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
13. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>2</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
14. Does woody vegetation hang over the edge of the water?		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
15. Is large woody debris present within the riparian area?		
a. Yes	3 pts	<u>1</u>
b. No	1 pt	
16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?		
a. Greater than 40%	3 pts	<u>3</u>
b. Between 10% and 40%	2 pts	
c. Less than 10%	1 pt	

Questions continued on next page

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-18 (R)

WILDLIFE HABITAT (continued)

		Score
17. Is surface water present throughout the year?		
a. Yes	3 pts	3
b. No	1 pt	
18. Is there more than one type of water resource (e.g. stream, wetland, lake/pond) within or immediately adjacent to the riparian reach?		
a. Yes	3 pts	1
b. No	1 pt	
19. What is the degree of development or human-caused disturbance (e.g. buildings, impervious surfaces, lawns, agriculture, trash) in the riparian area?		
a. Less than 25%	3 pts	1
b. Between 25% and 75%	2 pts	
c. Greater than 75%	1 pt	
Total Points:		16

Function: High (19-23 pts) Medium (13-18 pts) Low (8-12 pts)

FUNCTION IS: MEDIUM

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON	Reach: WC-DIX-R-18R	Size (acres): 4.48
Map: W-4		Length (feet): 825
Dominant Cover Type: HERBACEOUS		
ARA Cover Type: Grass short (lawn, pasture)		
Other ARA Types: Grass short (lawn, pasture)		
% of Total Cover: Trees: 10 Shrubs: 30 Herbs/Vines: 60 Bare: 0		
Dominant Cover Type At Edge of Water: WOODY		
Edge of Water ARA Type: Shrubs wetland, seasonally		
Riparian System: LOTIC		
Trees:		
Type: MIXED		
Dominant Species: European alder (<i>Alnus glutinosa</i>)		
Secondary Species: Bigleaf maple (<i>Acer macropylum</i>), Douglas fir (<i>Pseudotsuga menziesii</i>), English hawthorn (<i>Crataegus monogyna</i>)		
% Total Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
Shrubs/Sapling		
Type: DECIDUOUS		
Dominant Species: Pacific willow (<i>Salix lasiandra</i>)		
Secondary Species: Oregon ash (<i>Fraxinus latifolia</i>), Himalayan blackberry (<i>Rubus discolor</i>), Scouler willow (<i>Salix scouleriana</i>)		
% Total Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
Herbaceous		
Type: DECIDUOUS		
Dominant Species: reed canarygrass (<i>Phalaris arundinacea</i>)		
Secondary Species: field horsetail (<i>Equisetum arvense</i>), tall fescue (<i>Festuca arundinacea</i>), Canada thistle (<i>Cirsium arvense</i>), spotted cat's ear (<i>Hypochaeris radicata</i>), cow parsnip (<i>Heracleum lanatum</i>), bittersweet nightshade (<i>Solanum dulcamara</i>)		
% Total Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON

Map: W-4

Reach: WC-DIX-R-18R

RTE Species

ORNHIC Plant Community: None Noted Listed Community Noted

ORNHIC or Benton Co. NSP List None Detected Potential Listed Species Detected

Riparian Condition Assessment

Land Use within: RESIDENTIAL

Land Use adjacent: RESIDENTIAL

Infrastructure Impingement: PARTIALLY IMPINGED

In Channel Alteration: UNALTERED

LWD Recruitment Potential: NONE

Shade Potential: MODERATE

RCA Functional Designation: Nearly Fully Functional

Restoration Potential

Adjacent slopes of 15% or greater <10% 10%-50% 50%-90 >90%

Undeveloped land within 50ft of top of bank <10% 10%-50% 50%-90 >90%

Within 100-yr floodplain: <10% 10%-50% 50%-90 >90%

Low quality wetlands or hydric soils: <10% 10%-50% 50%-90 >90%

Adjacent landscape areas: <10% 10%-50% 50%-90 >90%

Opportunities: REMOVAL OF Himalayan blackberry (*Rubus discolor*) AND CONTROL OF reed canarygrass (*Phalaris arundinacea*)

Current Efforts SIGN POSTED SAYING" DIXIE CREEK ENHANCEMENT" NO EVIDENCE OF PLANTING

COMMENTS RIPARIAN AREA IS PREDOMINATELY MOWED GRASS FOR ADJACENT SCHOOL YARD.

Riparian Characterization Form



Corvallis Riparian Inventory

GENERAL INFORMATION

Location of data point: East of 29th Street
GPS Location: 44.5972 N 123.2861 W
Map Number: W-2
Date: 8/14/2002
Riparian Code: WC-DIX-R-19
On-site: Off-Site:
Reach Length: 600 feet
Investigators: SE/LW
Hydrologic Basin: DIXON CREEK

WATER RESOURCE INFORMATION

Water Resource: Stream/River: Width: 2-4 feet
Lake/Pond: Width: _____ feet
Wetland: Width: _____ feet
LWI Wetland Code: _____
Water present year-round: Yes No
Are salmonids present in the adjacent water resource? Yes No
Is the water resource listed for temperature on DEQ's 303(d) list: Yes No

Within FEMA-mapped 100-year floodplain: Yes No

Mapped soil series: Philomath silty clay

Adjacent Land Uses? (Check as many as needed)

Agriculture: Residential: Undeveloped:
Commercial/Indus.: Roads: Forestry:
Other:

Dominant tree species: Fraxinus latifolia

Comments: see next page

Average slope in the riparian area: (Question 1)

<10:1 (10%) Between 10:1 (10%) and 5:1 (20%) >5:1 (20%)

Extent of impervious surface within the riparian area. (Question 4)

<10% 10% - 25% >25%

Is the stream or water resource constricted by man-made features? (Question 8)

Yes No

Does the orientation of the riparian area allow for shading of the water resource at midday in summer? (Question 9)

Yes No

Dominant vegetation layer within riparian area? (Question 10)

Woody vegetation Herbaceous vegetation Bare ground

Does woody vegetation hang over the edge of the water? (Questions 11 & 14)

Yes No

Large woody debris in riparian area? (Question 15)

Yes No

Percent of water resource bordered by vegetated riparian area at least 30 feet wide? (Question 16)

>40% 10% - 40% <10%

Degree of development or human caused disturbance. (Question 19)

<25% 25% - 75% >75%

How does the NRCS soil survey rank water erosion hazard of the dominant mapped unit in the Riparian Area? (Question 5)

low, slight moderate high, very high, severe

What is the dominant vegetation at the top of bank (if defined) or edge of water resource? (Question 3)

Woody vegetation Herbaceous vegetation Bare ground

Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource? (Question 6)

Yes No

Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

Yes No or no flood prone area present

How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?

More than 2 2 layers 1 layer or unvegetated

Riparian Width Determination



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-19

Date: 8/14/2002 Investigators: SE/LW
Dominant tree species: *Fraxinus latifolia*

Comments: Two short head water tributaries of Dixon Creek, located east of 29th Street.
Both are intermittent and are culverted beyond 29th Street.



Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-19

WATER QUALITY

		Score
1. What is the average slope in the riparian area?		
a. Less than 10:1 (10%)	3 pts	<u>2</u>
b. Between 10:1 (10%) and 5:1 (20%)	2 pts	
c. Greater than 5:1 (20%)	1 pt	
2. What is the dominant vegetation cover in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
4. What is the extent of impervious surfaces within the riparian area?		
a. Less than 10%	3 pts	<u>2</u>
b. Between 10% and 25%	2 pts	
c. Greater than 25%	1 pt	
5. How does the Natural Resources Conservation Service (formerly Soil Conservation Service) soil survey rank the water erosion hazard of the dominant mapped unit in the riparian area? Select the highest water erosion hazard description if more than one is listed.		
a. Low, slight, moderate	2 pts	<u>2</u>
b. High, severe, very high	1 pts	
Total Points:		<u>12</u>

Function: High (12-14 pts) Medium (8-11 pts) Low (5-7 pts)

FUNCTION IS: **HIGH**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-19

FLOOD MANAGEMENT

6. Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource?

Score

- a. Yes 3 pts
- b. No 1 pt

1

7. Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

- a. Yes 3 pts
- b. No or no flood prone area present 1 pt

1

8. Is the stream or water resource constricted by man-made features (e.g. channelization, riprap, concrete wall)?

- a. No 3 pts
- b. Yes 1 pt

1

Total Points: 3

Function: High (8-9 pts) Medium (5-7 pts) Low (3-4 pts)

FUNCTION IS: **LOW**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-19

THERMAL REGULATION

9. Does the aspect or orientation of the riparian area allow for shading of water at midday in the summer?

- a. Yes 3 pts
- b. No 1 pt

Score

3

10. What is the dominant vegetation layer in the riparian area?

- a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high 3 pts
- b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high 2 pts
- c. Bare ground 1 pt

3

11. Does woody vegetation hang over the edge of the water?

- a. Yes 2 pts
- b. No 1 pt

2

Total Points:

8

Function: High (7-8 pts) Medium (5-6 pts) Low (3-4 pts)

FUNCTION IS:

HIGH

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-19

WILDLIFE HABITAT

		Score
12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
13. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
14. Does woody vegetation hang over the edge of the water?		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
15. Is large woody debris present within the riparian area?		
a. Yes	3 pts	<u>3</u>
b. No	1 pt	
16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?		
a. Greater than 40%	3 pts	<u>2</u>
b. Between 10% and 40%	2 pts	
c. Less than 10%	1 pt	

Questions continued on next page

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

WILDLIFE HABITAT (continued)

RIPARIAN CODE

WC-DIX-R-19

17. Is surface water present throughout the year?

- a. Yes 3 pts
- b. No 1 pt

Score

1

18. Is there more than one type of water resource (e.g. stream, wetland, lake/pond) within or immediately adjacent to the riparian reach?

- a. Yes 3 pts
- b. No 1 pt

1

19. What is the degree of development or human-caused disturbance (e.g. buildings, impervious surfaces, lawns, agriculture, trash) in the riparian area?

- a. Less than 25% 3 pts
- b. Between 25% and 75% 2 pts
- c. Greater than 75% 1 pt

1

Total Points:

16

Function: High (19-23 pts) Medium (13-18 pts) Low (8-12 pts)

FUNCTION IS:

MEDIUM

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON	Reach: WC-DIX-R-19	Size (acres): 4.61
Map: W-2		Length (feet): 600
Dominant Cover Type: WOODY		
ARA Cover Type: Open (<30% canopy) non-oak woods		
Other ARA Types: Hardwood Woodland 30-70% closed canopy, Grass natural/dry prairie, developed		
% of Total Cover: Trees: 40 Shrubs: 20 Herbs/Vines: 40 Bare: 0		
Dominant Cover Type At Edge of Water: WOODY		
Edge of Water ARA Type: Open (<30% canopy) non-oak woods		
Riparian System: LOTIC		
Trees:		
Type: DECIDUOUS		
Dominant Species: Oregon ash (<i>Fraxinus latifolia</i>)		
Secondary Species: NONE		
% Total Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
Shrubs/Sapling		
Type: DECIDUOUS		
Dominant Species: NONE		
Secondary Species: nootka rose (<i>Rosa nutkana</i>), English hawthorn (<i>Crataegus monogyna</i>), western serviceberry (<i>Amelanchier alnifolia</i>)		
% Total Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
Herbaceous		
Type: DECIDUOUS		
Dominant Species: tall fescue (<i>Festuca arundinacea</i>)		
Secondary Species: Himalayan blackberry (<i>Rubus discolor</i>), smooth brome (<i>Bromus inermis</i>), common velvetgrass (<i>Holcus lanatus</i>), oxeye daisy (<i>Chrysanthemum leucanthemum</i>), Canada thistle (<i>Cirsium arvense</i>)		
% Total Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON

Map: W-2

Reach: WC-DIX-R-19

RTE Species

ORNHIC Plant Community: None Noted Listed Community Noted

ORNHIC or Benton Co. NSP List None Detected Potential Listed Species Detected

Riparian Condition Assessment

Land Use within: UNDEVELOPED

Land Use adjacent: RESIDENTIAL

Infrastructure Impingement: FULLY IMPINGED

In Channel Alteration: HEAVILY ALTERED

LWD Recruitment Potential: LOW

Shade Potential: MODERATE

RCA Functional Designation: Nearly Fully Functional

Restoration Potential

Adjacent slopes of 15% or greater <10% 10%-50% 50%-90 >90%

Undeveloped land within 50ft of top of bank <10% 10%-50% 50%-90 >90%

Within 100-yr floodplain: <10% 10%-50% 50%-90 >90%

Low quality wetlands or hydric soils: <10% 10%-50% 50%-90 >90%

Adjacent landscape areas: <10% 10%-50% 50%-90 >90%

Opportunities: TREED AREA COULD BE EXPANDED TO REPLACE EXISTING NON-NATIVE GRASSLAND

Current Efforts NONE OBSERVED

COMMENTS INCLUDES TWO SEPARATE REACHES EAST OF 29TH STREET.

Riparian Characterization Form



Corvallis Riparian Inventory

GENERAL INFORMATION	
Location of data point: Kings Boulevard North of Arthur Place	GPS Location: 44.5804 N 123.2691 W
Date: 8/23/2002	Map Number: W-8
On-site: <input checked="" type="checkbox"/> Off-Site: <input type="checkbox"/>	Riparian Code: WC-DIX-R-20
Investigators: ME/SE	Reach Length: 6000 feet
	Hydrologic Basin: DIXON CREEK

WATER RESOURCE INFORMATION	
Water Resource: Stream/River: <input checked="" type="checkbox"/> Lake/Pond: <input type="checkbox"/> Wetland: <input type="checkbox"/>	Width: 4-12 feet Width: _____ feet Width: _____ feet
LWI Wetland Code: _____	
Water present year-round: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Are salmonids present in the adjacent water resource? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the water resource listed for temperature on DEQ's 303(d) list: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Within FEMA-mapped 100-year floodplain: Yes No

Mapped soil series: Bashaw clay

Adjacent Land Uses? (Check as many as needed)

Agriculture: <input type="checkbox"/>	Residential: <input checked="" type="checkbox"/>	Undeveloped: <input type="checkbox"/>
Commercial/Indus.: <input type="checkbox"/>	Roads: <input checked="" type="checkbox"/>	Forestry: <input type="checkbox"/>
	Other: <input type="checkbox"/>	

Dominant tree species: POPULUS TRICHOCARPA

Comments: see next page

Average slope in the riparian area: (Question 1)

<10:1 (10%) Between 10:1 (10%) and 5:1 (20%) >5:1 (20%)

Extent of impervious surface within the riparian area. (Question 4)

<10% 10% - 25% >25%

Is the stream or water resource constricted by man-made features? (Question 8)

Yes No

Does the orientation of the riparian area allow for shading of the water resource at midday in summer? (Question 9)

Yes No

Dominant vegetation layer within riparian area? (Question 10)

Woody vegetation Herbaceous vegetation Bare ground

Does woody vegetation hang over the edge of the water? (Questions 11 & 14)

Yes No

Large woody debris in riparian area? (Question 15)

Yes No

Percent of water resource bordered by vegetated riparian area at least 30 feet wide? (Question 16)

>40% 10% - 40% <10%

Degree of development or human caused disturbance. (Question 19)

<25% 25% - 75% >75%

How does the NRCS soil survey rank water erosion hazard of the dominant mapped unit in the Riparian Area? (Question 5)

low, slight moderate high, very high, severe

What is the dominant vegetation at the top of bank (if defined) or edge of water resource? (Question 3)

Woody vegetation Herbaceous vegetation Bare ground

Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource? (Question 6)

Yes No

Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

Yes No or no flood prone area present

How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?

More than 2 2 layers 1 layer or unvegetated

Riparian Width Determination

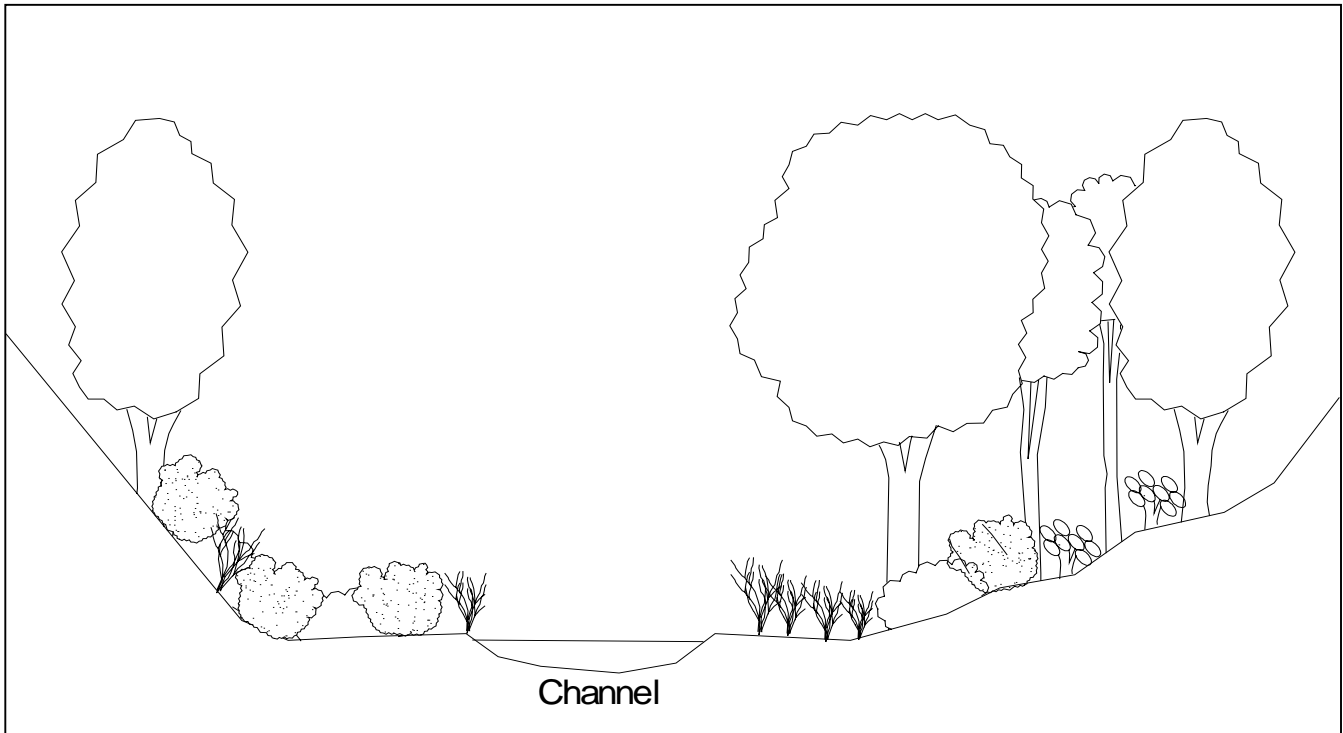


Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-20

Date: 8/23/2002 **Investigators:** ME/SE
Dominant tree species: POPULUS TRICHOCARPA

Comments: This is a riparian reach located entirely within an area of residential development from Kings Boulevard south and east to 10th Street. The width and depth of the creek increase slightly over the length of the reach. Ornaments and landscape plantings are common in riparian areas.



Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-20

WATER QUALITY

		Score
1. What is the average slope in the riparian area?		
a. Less than 10:1 (10%)	3 pts	3
b. Between 10:1 (10%) and 5:1 (20%)	2 pts	
c. Greater than 5:1 (20%)	1 pt	
2. What is the dominant vegetation cover in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	1
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	2
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
4. What is the extent of impervious surfaces within the riparian area?		
a. Less than 10%	3 pts	2
b. Between 10% and 25%	2 pts	
c. Greater than 25%	1 pt	
5. How does the Natural Resources Conservation Service (formerly Soil Conservation Service) soil survey rank the water erosion hazard of the dominant mapped unit in the riparian area? Select the highest water erosion hazard description if more than one is listed.		
a. Low, slight, moderate	2 pts	2
b. High, severe, very high	1 pts	
Total Points:		10

Function: High (12-14 pts) Medium (8-11 pts) Low (5-7 pts)

FUNCTION IS: **MEDIUM**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-20

FLOOD MANAGEMENT

		Score
6. Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource?		
a. Yes	..... 3 pts	3
b. No	..... 1 pt	
7. Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?		
a. Yes	..... 3 pts	3
b. No or no flood prone area present	..... 1 pt	
8. Is the stream or water resource constricted by man-made features (e.g. channelization, riprap, concrete wall)?		
a. No	..... 3 pts	1
b. Yes	..... 1 pts	
Total Points:		7

Function: High (8-9 pts) Medium (5-7 pts) Low (3-4 pts)

FUNCTION IS: **MEDIUM**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-20

THERMAL REGULATION

		Score
9. Does the aspect or orientation of the riparian area allow for shading of water at midday in the summer?		
a. Yes	..... 3 pts	3
b. No	..... 1 pt	
10. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	..... 3 pts	1
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	..... 2 pts	
c. Bare ground	..... 1 pt	
11. Does woody vegetation hang over the edge of the water?		
a. Yes	..... 2 pts	2
b. No	..... 1 pt	
Total Points:		6

Function: High (7-8 pts) Medium (5-6 pts) Low (3-4 pts)

FUNCTION IS: **MEDIUM**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-20

WILDLIFE HABITAT

		Score
12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
13. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>1</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
14. Does woody vegetation hang over the edge of the water?		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
15. Is large woody debris present within the riparian area?		
a. Yes	3 pts	<u>1</u>
b. No	1 pt	
16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?		
a. Greater than 40%	3 pts	<u>2</u>
b. Between 10% and 40%	2 pts	
c. Less than 10%	1 pt	

Questions continued on next page

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

WILDLIFE HABITAT (continued)

RIPARIAN CODE

WC-DIX-R-20

17. Is surface water present throughout the year?

- a. Yes 3 pts
- b. No 1 pt

Score

3

18. Is there more than one type of water resource (e.g. stream, wetland, lake/pond) within or immediately adjacent to the riparian reach?

- a. Yes 3 pts
- b. No 1 pt

1

19. What is the degree of development or human-caused disturbance (e.g. buildings, impervious surfaces, lawns, agriculture, trash) in the riparian area?

- a. Less than 25% 3 pts
- b. Between 25% and 75% 2 pts
- c. Greater than 75% 1 pt

2

Total Points:

15

Function: High (19-23 pts) Medium (13-18 pts) Low (8-12 pts)

FUNCTION IS:

MEDIUM

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON	Reach: WC-DIX-R-20	Size (acres): 60.03
Map: W-8, N-10		Length (feet): 6000
Dominant Cover Type: BARE		
ARA Cover Type: developed		
Other ARA Types Grass short (lawn, pasture)		
% of Total Cover Trees: 5 Shrubs 5 Herbs/Vines 25 Bare: 65		
Dominant Cover Type		
At Edge of Water: HERBACEOUS		
Edge of Water ARA Type Grass short (lawn, pasture)		
Riparian System: LOTIC		
Trees:		
Type: MIXED		
Dominant Species: NONE		
Secondary Species: Black cottonwood (<i>Populus trichocarpa</i>), Douglas fir (<i>Pseudotsuga menziesii</i>), bigleaf maple (<i>Acer macrophyllum</i>), Oregon white oak (<i>Quercus garryana</i>), ornamentals		
% Total Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
Shrubs/Sapling		
Type: DECIDUOUS		
Dominant Species: NONE		
Secondary Species: Black cottonwood (<i>Populus trichocarpa</i>), Oregon ash (<i>Fraxinus latifolia</i>), Indian plum (<i>Oemleria cerasiformis</i>), ornamentals		
% Total Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
Herbaceous		
Type: DECIDUOUS		
Dominant Species: bittersweet nightshade (<i>Solanum dulcamar</i>)		
Secondary Species: reed canarygrass (<i>Phalaris arundinacea</i>), tall fescue (<i>Festuca arundinacea</i>), field horsetail (<i>Equisetum arvense</i>), falsebrome (<i>Brachypodium sylvaticum</i>), English ivy (<i>Hedera helix</i>), orchardgrass (<i>Dactylis glomerata</i>), slough sedge (<i>Carex obnupta</i>), Himalayan blackberry (<i>Rubus discolor</i>)		
% Total Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON

Map: W-8, N-10

Reach: WC-DIX-R-20

RTE Species

ORNHIC Plant Community: None Noted Listed Community Noted

ORNHIC or Benton Co. NSP List None Detected Potential Listed Species Detected

Riparian Condition Assessment

Land Use within: RESIDENTIAL

Land Use adjacent: RESIDENTIAL

Infrastructure Impingement: FULLY IMPINGED

In Channel Alteration: MODERATELY ALTERED

LWD Recruitment Potential: MODERATE

Shade Potential: MODERATE

RCA Functional Designation: Nearly Fully Functional

Restoration Potential

Adjacent slopes of 15% or greater <10% 10%-50% 50%-90 >90%

Undeveloped land within 50ft of top of bank <10% 10%-50% 50%-90 >90%

Within 100-yr floodplain: <10% 10%-50% 50%-90 >90%

Low quality wetlands or hydric soils: <10% 10%-50% 50%-90 >90%

Adjacent landscape areas: <10% 10%-50% 50%-90 >90%

Opportunities: LIMITED; RIPARIAN REACH COMPOSED OF RESIDENTIAL LANDSCAPING

Current Efforts NONE OBSERVED

COMMENTS FROM JEFFERSON SCHOOL TO CORVALLIS HIGH SCHOOL

Riparian Characterization Form



Corvallis Riparian Inventory

GENERAL INFORMATION

Location of data point: NW of Glen Ridge Drive to
UGB, north of Ponderosa Road

GPS Location: 44.6021 N 123.3033 W

Date: 8/23/2002

Map Number: W-1

On-site: **Off-Site:**

Riparian Code: WC-DIX-R-21 (L)

Investigators: SE/ME

Reach Length: 1875 feet

Hydrologic Basin: DIXON CREEK

WATER RESOURCE INFORMATION

Water Resource: Stream/River: **Width:** 4-6 feet
Lake/Pond: **Width:** _____ feet
Wetland: **Width:** _____ feet

LWI Wetland Code: _____

Water present year-round: Yes No

Are salmonids present in the adjacent water resource? Yes No

Is the water resource listed for temperature on DEQ's 303(d) list: Yes No

Within FEMA-mapped 100-year floodplain: Yes No

Mapped soil series: Bashaw clay

Adjacent Land Uses? (Check as many as needed)

Agriculture: **Residential:** **Undeveloped:**
Commercial/Indus.: **Roads:** **Forestry:**
Other:

Dominant tree species: *Pseudotsuga menziesii*

Comments: see next page

Average slope in the riparian area: (Question 1)

<10:1 (10%) Between 10:1 (10%) and 5:1 (20%) >5:1 (20%)

Extent of impervious surface within the riparian area. (Question 4)

<10% 10% - 25% >25%

Is the stream or water resource constricted by man-made features? (Question 8)

Yes No

Does the orientation of the riparian area allow for shading of the water resource at midday in summer? (Question 9)

Yes No

Dominant vegetation layer within riparian area? (Question 10)

Woody vegetation Herbaceous vegetation Bare ground

Does woody vegetation hang over the edge of the water? (Questions 11 & 14)

Yes No

Large woody debris in riparian area? (Question 15)

Yes No

Percent of water resource bordered by vegetated riparian area at least 30 feet wide? (Question 16)

>40% 10% - 40% <10%

Degree of development or human caused disturbance. (Question 19)

<25% 25% - 75% >75%

How does the NRCS soil survey rank water erosion hazard of the dominant mapped unit in the Riparian Area? (Question 5)

low, slight moderate high, very high, severe

What is the dominant vegetation at the top of bank (if defined) or edge of water resource? (Question 3)

Woody vegetation Herbaceous vegetation Bare ground

Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource? (Question 6)

Yes No

Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

Yes No or no flood prone area present

How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?

More than 2 2 layers 1 layer or unvegetated

Riparian Width Determination

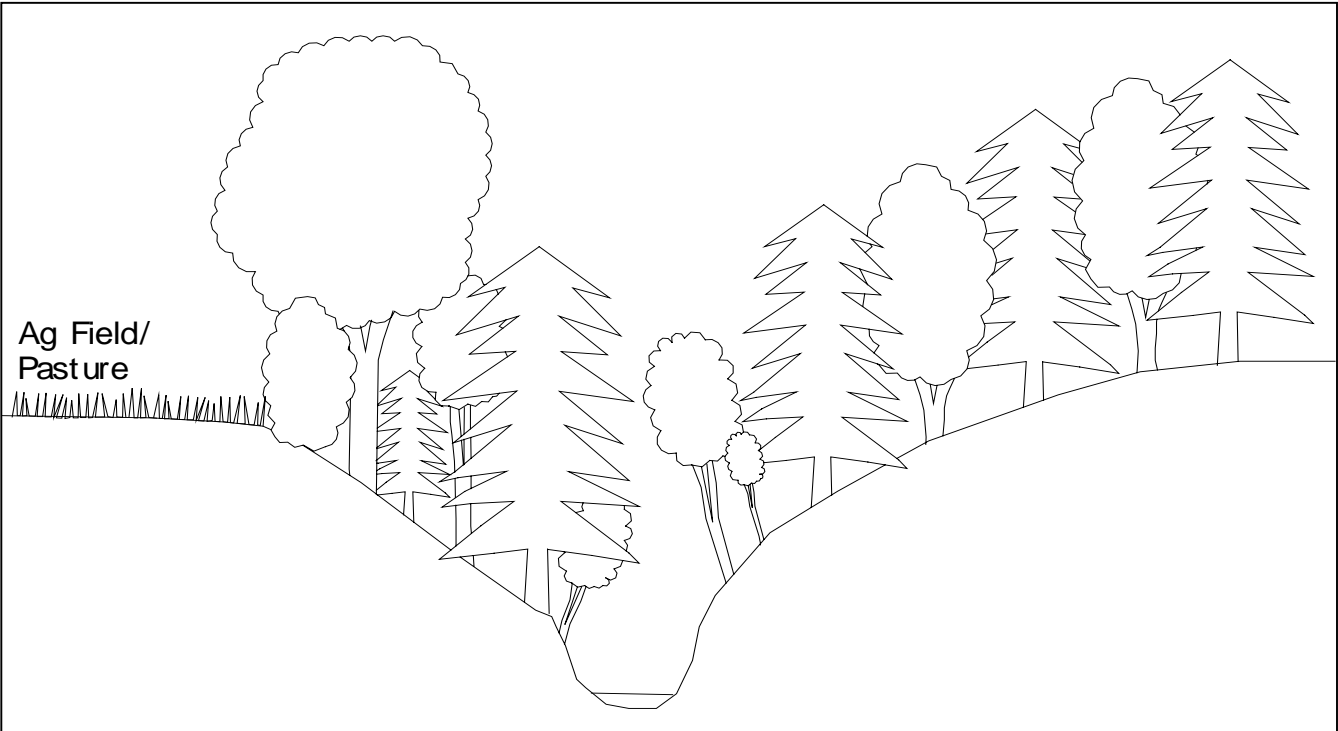


Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-21 (L)

Date: 8/23/2002 Investigators: SE/ME
Dominant tree species: *Pseudotsuga menziesii*

Comments: Right side of riparian area borders the UGB. Portions may be outside of the UGB. Off-site determination because no access in the vicinity. Most of left side was visible from adjacent roadways.



Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-21 (L)

WATER QUALITY

		Score
1. What is the average slope in the riparian area?		
a. Less than 10:1 (10%)	3 pts	<u>2</u>
b. Between 10:1 (10%) and 5:1 (20%)	2 pts	
c. Greater than 5:1 (20%)	1 pt	
2. What is the dominant vegetation cover in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>2</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
4. What is the extent of impervious surfaces within the riparian area?		
a. Less than 10%	3 pts	<u>3</u>
b. Between 10% and 25%	2 pts	
c. Greater than 25%	1 pt	
5. How does the Natural Resources Conservation Service (formerly Soil Conservation Service) soil survey rank the water erosion hazard of the dominant mapped unit in the riparian area? Select the highest water erosion hazard description if more than one is listed.		
a. Low, slight, moderate	2 pts	<u>2</u>
b. High, severe, very high	1 pts	
Total Points:		<u>12</u>

Function: High (12-14 pts) Medium (8-11 pts) Low (5-7 pts)

FUNCTION IS: **HIGH**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-21 (L)

FLOOD MANAGEMENT

6. Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource?

Score

- a. Yes 3 pts
- b. No 1 pt

1

7. Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

- a. Yes 3 pts
- b. No or no flood prone area present 1 pt

1

8. Is the stream or water resource constricted by man-made features (e.g. channelization, riprap, concrete wall)?

- a. No 3 pts
- b. Yes 1 pt

3

Total Points: 5

Function: High (8-9 pts) Medium (5-7 pts) Low (3-4 pts)

FUNCTION IS: **MEDIUM**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-21 (L)

THERMAL REGULATION

9. Does the aspect or orientation of the riparian area allow for shading of water at midday in the summer?

- a. Yes 3 pts
- b. No 1 pt

Score

3

10. What is the dominant vegetation layer in the riparian area?

- a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high 3 pts
- b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high 2 pts
- c. Bare ground 1 pt

2

11. Does woody vegetation hang over the edge of the water?

- a. Yes 2 pts
- b. No 1 pt

2

Total Points:

7

Function: High (7-8 pts) Medium (5-6 pts) Low (3-4 pts)

FUNCTION IS:

HIGH

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-21 (L)

WILDLIFE HABITAT

		Score
12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
13. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>2</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
14. Does woody vegetation hang over the edge of the water?		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
15. Is large woody debris present within the riparian area?		
a. Yes	3 pts	<u>3</u>
b. No	1 pt	
16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?		
a. Greater than 40%	3 pts	<u>3</u>
b. Between 10% and 40%	2 pts	
c. Less than 10%	1 pt	

Questions continued on next page

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-21 (L)

WILDLIFE HABITAT (continued)

		Score
17. Is surface water present throughout the year?		
a. Yes	3 pts	3
b. No	1 pt	
18. Is there more than one type of water resource (e.g. stream, wetland, lake/pond) within or immediately adjacent to the riparian reach?		
a. Yes	3 pts	1
b. No	1 pt	
19. What is the degree of development or human-caused disturbance (e.g. buildings, impervious surfaces, lawns, agriculture, trash) in the riparian area?		
a. Less than 25%	3 pts	3
b. Between 25% and 75%	2 pts	
c. Greater than 75%	1 pt	
Total Points:		20

Function: High (19-23 pts) Medium (13-18 pts) Low (8-12 pts)

FUNCTION IS: **HIGH**

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON	Reach: WC-DIX-R-21L	Size (acres): 14.95
Map: W-1		Length (feet): 1875
Dominant Cover Type: HERBACEOUS		
ARA Cover Type: Grass short (lawn, pasture)		
Other ARA Types Mixed Forest >70% closed canopy, Mixed Woodland 30-70% closed canopy, Grass tall		
% of Total Cover Trees: 20 Shrubs 5 Herbs/Vines 75 Bare: 0		
Dominant Cover Type		
At Edge of Water: WOODY		
Edge of Water ARA Type Mixed Forest >70% closed canopy		
Riparian System: LOTIC		
Trees:		
Type: MIXED		
Dominant Species: Douglas fir (<i>Pseudotsuga menziesii</i>)		
Secondary Species: Bigleaf maple (<i>Acer macropylum</i>), Oregon ash (<i>Fraxinus latifolia</i>), Oregon white oak (<i>Quercus garryana</i>)		
% Total Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
Shrubs/Sapling		
Type: UNKNOWN, NO		
Dominant Species: UNKNOWN		
Secondary Species: UNKNOWN		
% Total Cover: <input checked="" type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
% Native Cover: <input checked="" type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
Herbaceous		
Type: DECIDUOUS		
Dominant Species: tall fescue (<i>Festuca arundinacea</i>)		
Secondary Species: common velvetgrass (<i>Holcus lanatus</i>), oxeye daisy (<i>Chrysanthemum leucanthemum</i>), Himalayan blackberry (<i>Rubus discolor</i>), Queen Anne's lace (<i>Daucus carota</i>), common plantain (<i>Plantago lanceolata</i>), tall oatgrass (<i>Arrhenatherum elatius</i>)		
% Total Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON

Map: W-1

Reach: WC-DIX-R-21L

RTE Species

ORNHIC Plant Community: None Noted Listed Community Noted

ORNHIC or Benton Co. NSP List None Detected Potential Listed Species Detected

Riparian Condition Assessment

Land Use within: UNDEVELOPED

Land Use adjacent: AGRICULTURAL

Infrastructure Impingement: NON-IMPINGED

In Channel Alteration: UNALTERED

LWD Recruitment Potential: MODERATE

Shade Potential: HIGH

RCA Functional Designation: Fully Functional

Restoration Potential

Adjacent slopes of 15% or greater <10% 10%-50% 50%-90 >90%

Undeveloped land within 50ft of top of bank <10% 10%-50% 50%-90 >90%

Within 100-yr floodplain: <10% 10%-50% 50%-90 >90%

Low quality wetlands or hydric soils: <10% 10%-50% 50%-90 >90%

Adjacent landscape areas: <10% 10%-50% 50%-90 >90%

Opportunities: PLANTING OF TREES AND SHRUBS

Current Efforts NONE OBSERVED

COMMENTS RIGHT SIDE OF RIPARIAN BORDERS THE UGB. OFF-SITE ASSESSMENT; FORESTED UNDERSTORY ON THE RIGHT SIDE COULD NOT BE DETERMINED. HERBACEOUS VEGETATION IS REPRESENTATIVE OF AGRICULTURAL AREA THAT BORDERS THE SOUTH END, ALONG THE LEFT SIDE OF THE REACH.

Riparian Characterization Form



Corvallis Riparian Inventory

GENERAL INFORMATION

Location of data point: NW of Glen Ridge Drive to
UGB, north of Ponderosa Road

GPS Location: 44.6021 N 123.3033 W

Date: 8/23/2002

Map Number: W-1

On-site: **Off-Site:**

Riparian Code: WC-DIX-R-21 (R)

Investigators: SE/ME

Reach Length: 1875 feet

Hydrologic Basin: DIXON CREEK

WATER RESOURCE INFORMATION

Water Resource: Stream/River: **Width:** 4-6 feet
Lake/Pond: **Width:** _____ feet
Wetland: **Width:** _____ feet

LWI Wetland Code: _____

Water present year-round: Yes No

Are salmonids present in the adjacent water resource? Yes No

Is the water resource listed for temperature on DEQ's 303(d) list: Yes No

Within FEMA-mapped 100-year floodplain: Yes No

Mapped soil series: Bashaw clay

Adjacent Land Uses? (Check as many as needed)

Agriculture: **Residential:** **Undeveloped:**
Commercial/Indus.: **Roads:** **Forestry:**
Other:

Dominant tree species: *Pseudotsuga menziesii*

Comments: see next page

Average slope in the riparian area: (Question 1)

<10:1 (10%) Between 10:1 (10%) and 5:1 (20%) >5:1 (20%)

Extent of impervious surface within the riparian area. (Question 4)

<10% 10% - 25% >25%

Is the stream or water resource constricted by man-made features? (Question 8)

Yes No

Does the orientation of the riparian area allow for shading of the water resource at midday in summer? (Question 9)

Yes No

Dominant vegetation layer within riparian area? (Question 10)

Woody vegetation Herbaceous vegetation Bare ground

Does woody vegetation hang over the edge of the water? (Questions 11 & 14)

Yes No

Large woody debris in riparian area? (Question 15)

Yes No

Percent of water resource bordered by vegetated riparian area at least 30 feet wide? (Question 16)

>40% 10% - 40% <10%

Degree of development or human caused disturbance. (Question 19)

<25% 25% - 75% >75%

How does the NRCS soil survey rank water erosion hazard of the dominant mapped unit in the Riparian Area? (Question 5)

low, slight moderate high, very high, severe

What is the dominant vegetation at the top of bank (if defined) or edge of water resource? (Question 3)

Woody vegetation Herbaceous vegetation Bare ground

Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource? (Question 6)

Yes No

Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

Yes No or no flood prone area present

How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?

More than 2 2 layers 1 layer or unvegetated

Riparian Width Determination

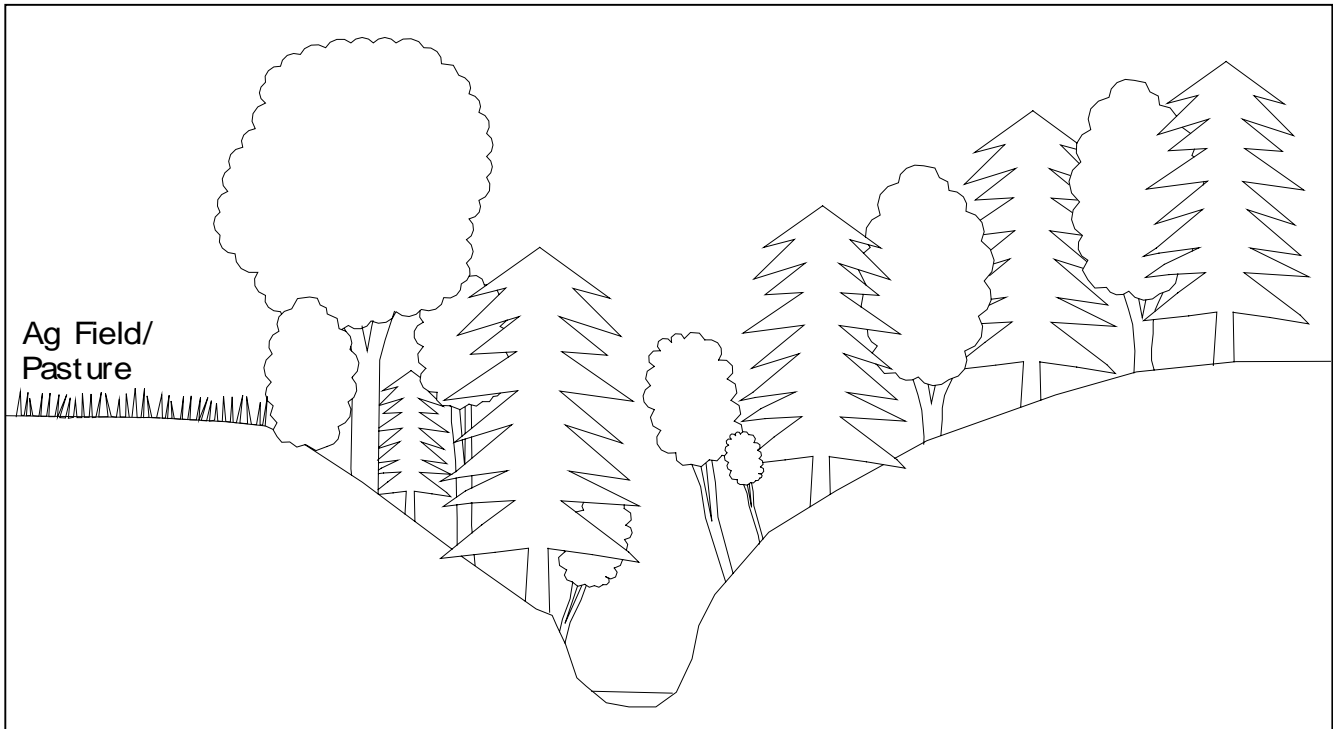


Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-21 (R)

Date: 8/23/2002 Investigators: SE/ME
Dominant tree species: *Pseudotsuga menziesii*

Comments: Right side of riparian area borders the UGB. Portions may be outside of the UGB. Off-site determination because no access in the vicinity.



Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-21 (R)

WATER QUALITY

		Score
1. What is the average slope in the riparian area?		
a. Less than 10:1 (10%)	3 pts	<u>2</u>
b. Between 10:1 (10%) and 5:1 (20%)	2 pts	
c. Greater than 5:1 (20%)	1 pt	
2. What is the dominant vegetation cover in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
4. What is the extent of impervious surfaces within the riparian area?		
a. Less than 10%	3 pts	<u>3</u>
b. Between 10% and 25%	2 pts	
c. Greater than 25%	1 pt	
5. How does the Natural Resources Conservation Service (formerly Soil Conservation Service) soil survey rank the water erosion hazard of the dominant mapped unit in the riparian area? Select the highest water erosion hazard description if more than one is listed.		
a. Low, slight, moderate	2 pts	<u>2</u>
b. High, severe, very high	1 pts	
Total Points:		<u>13</u>

Function: High (12-14 pts) Medium (8-11 pts) Low (5-7 pts)

FUNCTION IS: **HIGH**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-21 (R)

FLOOD MANAGEMENT

6. Are there flood prone areas (adjacent flat areas, depressions, swales, FEMA mapped 100-year floodplain, etc.) beyond the top of bank or edge of the water resource?

Score

- a. Yes 3 pts
- b. No 1 pt

1

7. Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?

- a. Yes 3 pts
- b. No or no flood prone area present 1 pt

1

8. Is the stream or water resource constricted by man-made features (e.g. channelization, riprap, concrete wall)?

- a. No 3 pts
- b. Yes 1 pt

3

Total Points: 5

Function: High (8-9 pts) Medium (5-7 pts) Low (3-4 pts)

FUNCTION IS: **MEDIUM**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE
WC-DIX-R-21 (R)

THERMAL REGULATION

		Score
9. Does the aspect or orientation of the riparian area allow for shading of water at midday in the summer?		
a. Yes	..... 3 pts	3
b. No	..... 1 pt	
10. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	..... 3 pts	3
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	..... 2 pts	
c. Bare ground	..... 1 pt	
11. Does woody vegetation hang over the edge of the water?		
a. Yes	..... 2 pts	2
b. No	..... 1 pt	
Total Points:		8

Function: High (7-8 pts) Medium (5-6 pts) Low (3-4 pts)

FUNCTION IS: **HIGH**

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-21 (R)

WILDLIFE HABITAT

		Score
12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
13. What is the dominant vegetation layer in the riparian area?		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<u>3</u>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
14. Does woody vegetation hang over the edge of the water?		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
15. Is large woody debris present within the riparian area?		
a. Yes	3 pts	<u>3</u>
b. No	1 pt	
16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?		
a. Greater than 40%	3 pts	<u>3</u>
b. Between 10% and 40%	2 pts	
c. Less than 10%	1 pt	

Questions continued on next page

Riparian Functional Assessment Answer Sheet



Corvallis Riparian Inventory

RIPARIAN CODE

WC-DIX-R-21 (R)

WILDLIFE HABITAT (continued)

		Score
17. Is surface water present throughout the year?		
a. Yes	3 pts	3
b. No	1 pt	
18. Is there more than one type of water resource (e.g. stream, wetland, lake/pond) within or immediately adjacent to the riparian reach?		
a. Yes	3 pts	1
b. No	1 pt	
19. What is the degree of development or human-caused disturbance (e.g. buildings, impervious surfaces, lawns, agriculture, trash) in the riparian area?		
a. Less than 25%	3 pts	3
b. Between 25% and 75%	2 pts	
c. Greater than 75%	1 pt	
Total Points:		21

Function: High (19-23 pts) Medium (13-18 pts) Low (8-12 pts)

FUNCTION IS: HIGH

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON	Reach: WC-DIX-R-21R	Size (acres): 14.95
Map: W-1		Length (feet): 1875
Dominant Cover Type: WOODY		
ARA Cover Type: Mixed Forest >70% closed canopy		
Other ARA Types		
% of Total Cover Trees: 70 Shrubs 20 Herbs/Vines 10 Bare: 0		
Dominant Cover Type		
At Edge of Water: WOODY		
Edge of Water ARA Type Mixed Forest >70% closed canopy		
Riparian System: LOTIC		
Trees:		
Type: MIXED		
Dominant Species: Douglas fir (<i>Pseudotsuga menziesii</i>)		
Secondary Species: Bigleaf maple (<i>Acer macropylum</i>), Oregon ash (<i>Fraxinus latifolia</i>), Oregon white oak (<i>Quercus garryana</i>)		
% Total Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
Shrubs/Sapling		
Type: UNKNOWN, NO		
Dominant Species: UNKNOWN		
Secondary Species: UNKNOWN		
% Total Cover: <input checked="" type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
% Invasive Cover: <input checked="" type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
% Native Cover: <input checked="" type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
Herbaceous		
Type: DECIDUOUS		
Dominant Species: tall fescue (<i>Festuca arundinacea</i>)		
Secondary Species: common velvetgrass (<i>Holcus lanatus</i>), oxeye daisy (<i>Chrysanthemum leucanthemum</i>), Himalayan blackberry (<i>Rubus discolor</i>), Queen Anne's lace (<i>Daucus carota</i>), common plantain (<i>Plantago lanceolata</i>), tall oatgrass (<i>Arrhenatherum elatius</i>)		
% Total Cover: <input type="radio"/> <10% <input type="radio"/> 10%-50% <input checked="" type="radio"/> 50%-90 <input type="radio"/> >90%		
% Invasive Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		
% Native Cover: <input type="radio"/> <10% <input checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90 <input type="radio"/> >90%		

**Corvallis Natural Features Inventory
Supplemental Riparian Form**

Basin: DIXON

Map: W-1

Reach: WC-DIX-R-21R

RTE Species

ORNHIC Plant Community: None Noted Listed Community Noted

ORNHIC or Benton Co. NSP List None Detected Potential Listed Species Detected

Riparian Condition Assessment

Land Use within: UNDEVELOPED

Land Use adjacent: UNDEVELOPED

Infrastructure Impingement: NON-IMPINGED

In Channel Alteration: UNALTERED

LWD Recruitment Potential: MODERATE

Shade Potential: HIGH

RCA Functional Designation: Fully Functional

Restoration Potential

Adjacent slopes of 15% or greater <10% 10%-50% 50%-90 >90%

Undeveloped land within 50ft of top of bank <10% 10%-50% 50%-90 >90%

Within 100-yr floodplain: <10% 10%-50% 50%-90 >90%

Low quality wetlands or hydric soils: <10% 10%-50% 50%-90 >90%

Adjacent landscape areas: <10% 10%-50% 50%-90 >90%

Opportunities: NONE

Current Efforts NONE OBSERVED

COMMENTS RIGHT SIDE OF RIPARIAN BORDERS THE UGB. OFF-SITE ASSESSMENT; FORESTED UNDERSTORY ON THE RIGHT SIDE COULD NOT BE DETERMINED. HERBACEOUS VEGETATION IS REPRESENTATIVE OF AGRICULTURAL AREA THAT BORDERS THE SOUTH END, ALONG THE LEFT SIDE OF THE REACH.