

# Riparian Characterization Form



## Corvallis Riparian Inventory

### GENERAL INFORMATION

**Location of data point:** South of Crescent Valley Drive,  
SW of High School

**GPS Location:** 44.6154 N 123.2715 W

**Date:** 9/25/2002

**Map Number:** N-4

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

**Riparian Code:** N-JAC-R-5

**Investigators:** PF/JVS

**Reach Length:** 1425 feet

**Hydrologic Basin:** JACKSON CREEK

### WATER RESOURCE INFORMATION

**Water Resource:** Stream/River:  Width: 10-12 feet  
Lake/Pond:  Width:                      feet  
Wetland:  Width: 300 feet

**LWI Wetland Code:** N-JAC-W-1

**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:** FRAXINUS LATIFOLIA

**Comments:** see other page

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**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

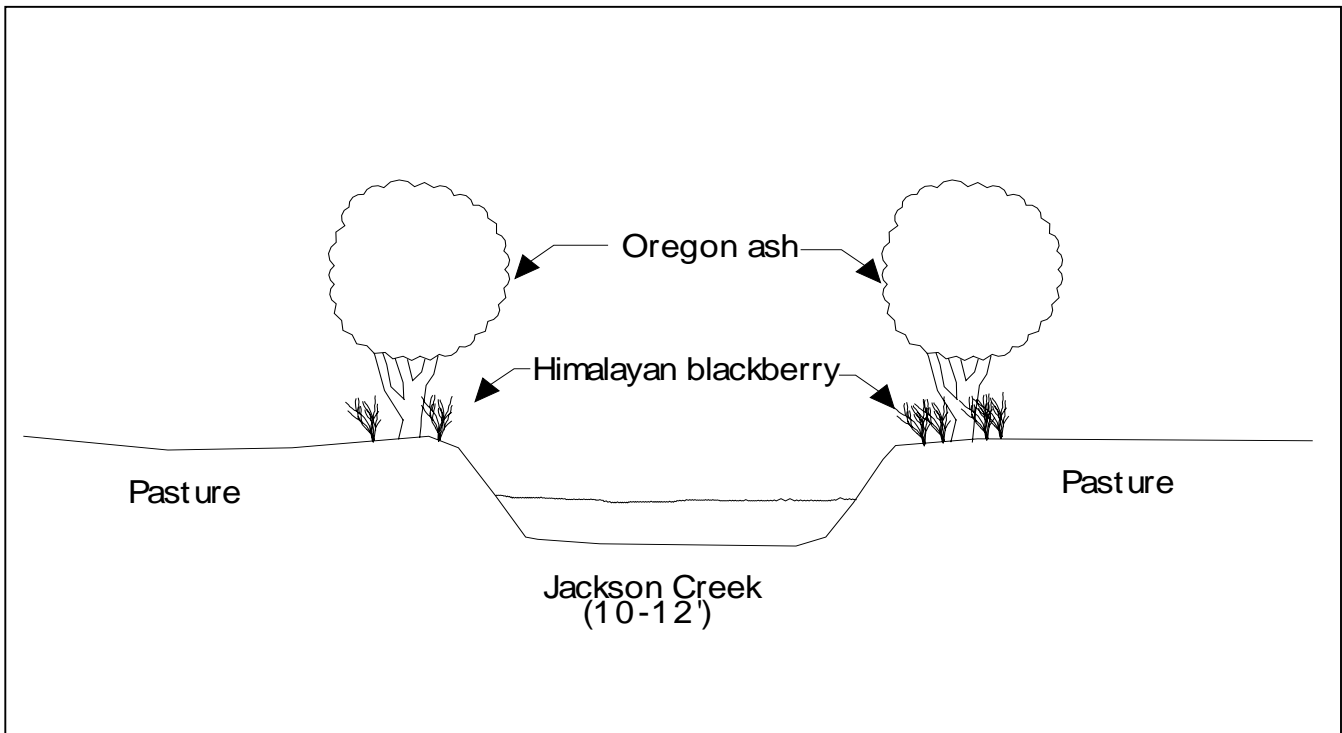
RIPARIAN CODE

**N-JAC-R-5**

Date: 9/25/2002 Investigators: PF/JVS

Dominant tree species: Fraxinus latifolia

Comments: Upper reach of Jackson Creek. Flows through pastures and rural residential areas. Culverted under Crescent Valley Drive.



# Riparian Functional Assessment Answer Sheet



## Corvallis Riparian Inventory

RIPARIAN CODE

**N-JAC-R-5**

## WATER QUALITY

		Score
<b>1. What is the average slope in the riparian area?</b>		
a. Less than 10:1 (10%)	3 pts	<b>3</b>
b. Between 10:1 (10%) and 5:1 (20%)	2 pts	
c. Greater than 5:1 (20%)	1 pt	
<b>2. What is the dominant vegetation cover in the riparian area?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
<b>3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
<b>4. What is the extent of impervious surfaces within the riparian area?</b>		
a. Less than 10%	3 pts	<b>3</b>
b. Between 10% and 25%	2 pts	
c. Greater than 25%	1 pt	
<b>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.</b>		
a. Low, slight, moderate	2 pts	<b>2</b>
b. High, severe, very high	1 pts	
<b>Total Points:</b>		<b>14</b>

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  
**N-JAC-R-5**

### 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

3

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

3

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:** 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  
**N-JAC-R-5**

### 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

**N-JAC-R-5**

### WILDLIFE HABITAT

		Score
<b>12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?</b>		
a. More than 2 layers	3 pts	<b>3</b>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
<b>13. What is the dominant vegetation layer in the riparian area?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high	2 pts	
c. Bare ground	1 pt	
<b>14. Does woody vegetation hang over the edge of the water?</b>		
a. Yes	2 pts	<b>2</b>
b. No	1 pt	
<b>15. Is large woody debris present within the riparian area?</b>		
a. Yes	3 pts	<b>1</b>
b. No	1 pt	
<b>16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?</b>		
a. Greater than 40%	3 pts	<b>3</b>
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
<b>N-JAC-R-5</b>

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

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

**FUNCTION IS: HIGH**

**Corvallis Natural Features Inventory  
Supplemental Riparian Form**

**Basin:** JACKSON

**Reach:** N-JAC-R-5

**Size (acres):** 24.34

**Map:** N-5

**Length (feet):** 1425

**Dominant Cover Type:** WOODY

**ARA Cover Type:** Hardwood Woodland 30-70% closed canopy

**Other ARA Types** Grass tall (ryegrass, meadow), Hardwood Forest >70% closed canopy

**% of Total Cover** **Trees:** 40 **Shrubs** 10 **Herbs/Vines** 50 **Bare:** 0

**Dominant Cover Type**

**At Edge of Water:** WOODY

**Edge of Water ARA Type** Hardwood Forest >70% closed canopy

**Riparian System:** LOTIC

**Trees:**

Type: DECIDUOUS

Dominant Species: Oregon ash (*Fraxinus latifolia*)

Secondary Species: Red alder (*Alnus rubra*), Black cottonwood (*Populus trichocarpa*)

% Total Cover:  <10%  10%-50%  50%-90  >90%

% Invasive Cover:  <10%  10%-50%  50%-90  >90%

% Native Cover:  <10%  10%-50%  50%-90  >90%

**Shrubs/Sapling**

Type: MIXED

Dominant Species: Oregon ash (*Fraxinus latifolia*)

Secondary Species: Himalayan blackberry (*Rubus discolor*)

% Total Cover:  <10%  10%-50%  50%-90  >90%

% Invasive Cover:  <10%  10%-50%  50%-90  >90%

% Native Cover:  <10%  10%-50%  50%-90  >90%

**Herbaceous**

Type: MIXED

Dominant Species: mixed pasture grasses

Secondary Species: NONE

% Total Cover:  <10%  10%-50%  50%-90  >90%

% Invasive Cover:  <10%  10%-50%  50%-90  >90%

% Native Cover:  <10%  10%-50%  50%-90  >90%

**Corvallis Natural Features Inventory  
Supplemental Riparian Form**

**Basin:** JACKSON

**Map:** N-5

**Reach:** N-JAC-R-5

**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: PARTIALLY 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: UNKNOWN OFF-SITE

Current Efforts NONE OBSERVED

**COMMENTS** LOOKS LIKE INTACT FOREST EDGE ALONG CREEK WITH SOME DISTURBANCE FROM GRAZING AND RESIDENCE

# Riparian Characterization Form



## Corvallis Riparian Inventory

### GENERAL INFORMATION

Location of data point: BARBARA AND JAMES ST.  
GPS Location: 44.6192 N 123.2557 W  
Map Number: N-5  
Date: 9/27/2002  
Riparian Code: N-JAC-R-6L  
On-site:  Off-Site:   
Reach Length: 1875 feet  
Investigators: PF/SE  
Hydrologic Basin: JACKSON CREEK

### WATER RESOURCE INFORMATION

Water Resource: Stream/River:  Width: 4-6 feet  
Lake/Pond:  Width: \_\_\_\_\_ feet  
Wetland:  Width: 420 feet  
LWI Wetland Code: N-JAC-W-4  
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, Waldo silty clay loam

Adjacent Land Uses? (Check as many as needed)

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

Dominant tree species: FRAXINUS LATIFOLIA

Comments: see other 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  
**N-JAC-R-6L**

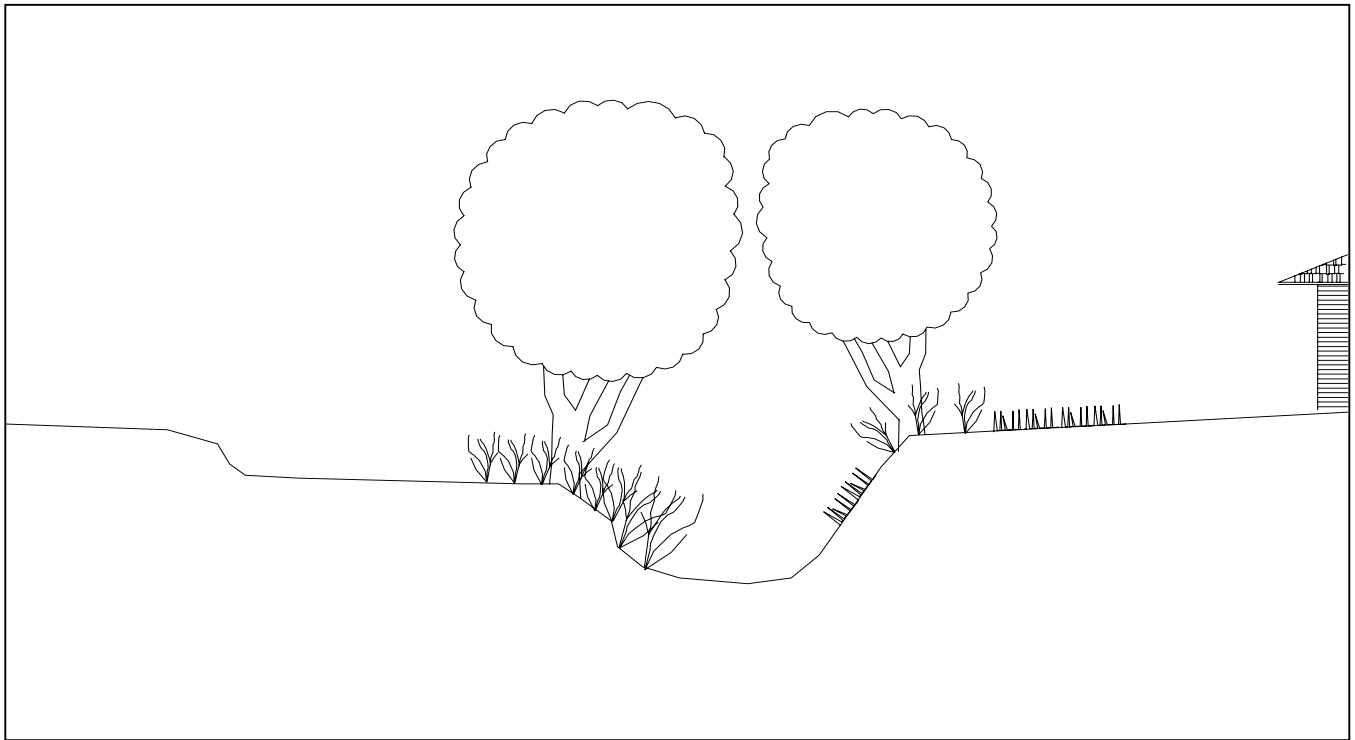
**Date:** 9/27/2002      **Investigators:** PF/SE  
**Dominant tree species:** *Fraxinus latifolia*

**Comments:** Narrow intermitent channel through residential area and agrcultural fields.  
Drains to Jackson Creek.

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# Riparian Functional Assessment Answer Sheet



## Corvallis Riparian Inventory

RIPARIAN CODE

**N-JAC-R-6L**

### WATER QUALITY

		Score
<b>1. What is the average slope in the riparian area?</b>		
a. Less than 10:1 (10%) .....	3 pts	<b>3</b>
b. Between 10:1 (10%) and 5:1 (20%) .....	2 pts	
c. Greater than 5:1 (20%) .....	1 pt	
<b>2. What is the dominant vegetation cover in the riparian area?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high .....	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high .....	2 pts	
c. Bare ground .....	1 pt	
<b>3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high .....	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high .....	2 pts	
c. Bare ground .....	1 pt	
<b>4. What is the extent of impervious surfaces within the riparian area?</b>		
a. Less than 10% .....	3 pts	<b>3</b>
b. Between 10% and 25% .....	2 pts	
c. Greater than 25% .....	1 pt	
<b>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.</b>		
a. Low, slight, moderate .....	2 pts	<b>2</b>
b. High, severe, very high .....	1 pts	
<b>Total Points:</b>		<b>14</b>

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  
**N-JAC-R-6L**

### FLOOD MANAGEMENT

		Score
<b>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?</b>		
a. Yes	..... 3 pts	<b>3</b>
b. No	..... 1 pt	
<b>7. Is woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high dominant in the flood prone riparian area?</b>		
a. Yes	..... 3 pts	<b>3</b>
b. No or no flood prone area present	..... 1 pt	
<b>8. Is the stream or water resource constricted by man-made features (e.g. channelization, riprap, concrete wall)?</b>		
a. No	..... 3 pts	<b>3</b>
b. Yes	..... 1 pts	
<b>Total Points:</b>		<b>9</b>

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

**FUNCTION IS:**    **HIGH**

# Riparian Functional Assessment Answer Sheet



## Corvallis Riparian Inventory

RIPARIAN CODE
<b>N-JAC-R-6L</b>

### 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

**N-JAC-R-6L**

### WILDLIFE HABITAT

		Score
<b>12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?</b>		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
<b>13. What is the dominant vegetation layer in the riparian area?</b>		
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	
<b>14. Does woody vegetation hang over the edge of the water?</b>		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
<b>15. Is large woody debris present within the riparian area?</b>		
a. Yes	3 pts	<u>3</u>
b. No	1 pt	
<b>16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?</b>		
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

**N-JAC-R-6L**

### WILDLIFE HABITAT (continued)

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

**3**

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:**

**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:** JACKSON

**Reach:** N-JAC-R-6L

**Size (acres):** 9.99

**Map:** N-5

**Length (feet):** 1875

**Dominant Cover Type:** WOODY

**ARA Cover Type:** Mixed Forest >70% closed canopy

**Other ARA Types** Grass short (lawn, pasture)

**% of Total Cover** **Trees:** 55 **Shrubs** 10 **Herbs/Vines** 35 **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: DECIDUOUS

Dominant Species: Oregon ash (*Fraxinus latifolia*)

Secondary Species: willow (*Salix* sp.), big-leaf maple (*Acer macrophyllum*)

% Total Cover:  <10%  10%-50%  50%-90  >90%

% Invasive Cover:  <10%  10%-50%  50%-90  >90%

% Native Cover:  <10%  10%-50%  50%-90  >90%

**Shrubs/Sapling**

Type: MIXED

Dominant Species: Oregon ash (*Fraxinus latifolia*)

Secondary Species: ornamentals

% Total Cover:  <10%  10%-50%  50%-90  >90%

% Invasive Cover:  <10%  10%-50%  50%-90  >90%

% Native Cover:  <10%  10%-50%  50%-90  >90%

**Herbaceous**

Type: DECIDUOUS

Dominant Species: mixed pasture grasses

Secondary Species: Himalayan blackberry (*Rubus discolor*), fescue (*Festuca* sp.), ryegrass (*Lolium* sp.)

% Total Cover:  <10%  10%-50%  50%-90  >90%

% Invasive Cover:  <10%  10%-50%  50%-90  >90%

% Native Cover:  <10%  10%-50%  50%-90  >90%

**Corvallis Natural Features Inventory  
Supplemental Riparian Form**

**Basin:** JACKSON

**Map:** N-5

**Reach:** N-JAC-R-6L

**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, AGRICULTURAL

Land Use adjacent: AGRICULTURAL

Infrastructure Impingement: PARTIALLY IMPINGED

In Channel Alteration: UNALTERED

LWD Recruitment Potential: MODERATE

Shade Potential: MODERATE

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: SOME FARMED RIPARIAN AREAS WOULD BE ENHANCED

Current Efforts NONE OBSERVED

**COMMENTS** EXISTING RESIDENTIAL IS WITHIN 50FT NORTH OF STREAM. STREAM IS INTERMITTENT

# Riparian Characterization Form



## Corvallis Riparian Inventory

### GENERAL INFORMATION

Location of data point: BARBARA AND JAMES ST.  
GPS Location: 44.6192 N 123.2557 W  
Map Number: N-5  
Date: 9/27/2002  
Riparian Code: N-JAC-R-6R  
On-site:  Off-Site:   
Reach Length: 1875 feet  
Investigators: PF/SE  
Hydrologic Basin: JACKSON 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, Waldo silty clay loam

Adjacent Land Uses? (Check as many as needed)

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

Dominant tree species: FRAXINUS LATIFOLIA

Comments: see other 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  
**N-JAC-R-6R**

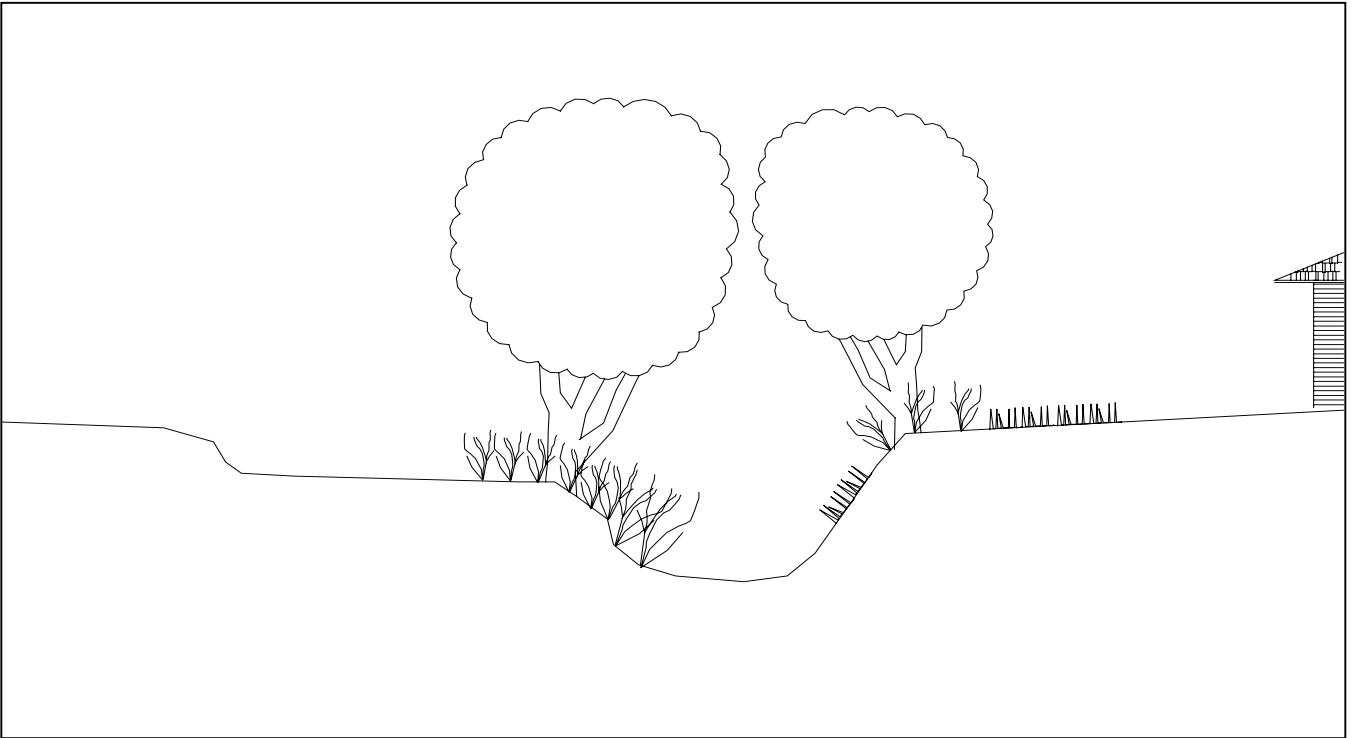
**Date:** 9/27/2002      **Investigators:** PF/SE  
**Dominant tree species:** *Fraxinus latifolia*

**Comments:** Narrow intermitent channel through residential area and agrcultural fields.  
Drains to Jackson Creek.

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# Riparian Functional Assessment Answer Sheet



## Corvallis Riparian Inventory

RIPARIAN CODE

**N-JAC-R-6R**

### WATER QUALITY

		Score
<b>1. What is the average slope in the riparian area?</b>		
a. Less than 10:1 (10%) .....	3 pts	<b>3</b>
b. Between 10:1 (10%) and 5:1 (20%) .....	2 pts	
c. Greater than 5:1 (20%) .....	1 pt	
<b>2. What is the dominant vegetation cover in the riparian area?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high .....	3 pts	<b>2</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high .....	2 pts	
c. Bare ground .....	1 pt	
<b>3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high .....	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high .....	2 pts	
c. Bare ground .....	1 pt	
<b>4. What is the extent of impervious surfaces within the riparian area?</b>		
a. Less than 10% .....	3 pts	<b>2</b>
b. Between 10% and 25% .....	2 pts	
c. Greater than 25% .....	1 pt	
<b>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.</b>		
a. Low, slight, moderate .....	2 pts	<b>2</b>
b. High, severe, very high .....	1 pts	
<b>Total Points:</b>		<b>12</b>

**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  
**N-JAC-R-6R**

### 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

3

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

3

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:** 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
<b>N-JAC-R-6R</b>

### 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

**N-JAC-R-6R**

### WILDLIFE HABITAT

		Score
<b>12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?</b>		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
<b>13. What is the dominant vegetation layer in the riparian area?</b>		
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	
<b>14. Does woody vegetation hang over the edge of the water?</b>		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
<b>15. Is large woody debris present within the riparian area?</b>		
a. Yes	3 pts	<u>3</u>
b. No	1 pt	
<b>16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?</b>		
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
<b>N-JAC-R-6R</b>

		Score
<b>17. Is surface water present throughout the year?</b>		
a. Yes	3 pts	
b. No	1 pt	<u>1</u>
<b>18. Is there more than one type of water resource (e.g. stream, wetland, lake/pond) within or immediately adjacent to the riparian reach?</b>		
a. Yes	3 pts	<u>1</u>
b. No	1 pt	
<b>19. What is the degree of development or human-caused disturbance (e.g. buildings, impervious surfaces, lawns, agriculture, trash) in the riparian area?</b>		
a. Less than 25%	3 pts	
b. Between 25% and 75%	2 pts	<u>1</u>
c. Greater than 75%	1 pt	
<b>Total Points:</b>		<u><b>15</b></u>

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

**FUNCTION IS: MEDIUM**

**Corvallis Natural Features Inventory  
Supplemental Riparian Form**

<b>Basin:</b> JACKSON	<b>Reach:</b> N-JAC-R-6R	<b>Size (acres):</b> 9.99
<b>Map:</b> N-5		<b>Length (feet):</b> 1875
<b>Dominant Cover Type:</b> HERBACEOUS		
<b>ARA Cover Type:</b> Grass short (lawn, pasture)		
<b>Other ARA Types</b> Mixed Forest >70% closed canopy, developed		
<b>% of Total Cover</b> Trees: 15 <b>Shrubs</b> 10 <b>Herbs/Vines</b> 50 <b>Bare:</b> 25		
<b>Dominant Cover Type</b>		
<b>At Edge of Water:</b> WOODY		
<b>Edge of Water ARA Type</b> Mixed Forest >70% closed canopy		
<b>Riparian System:</b> LOTIC		
<b>Trees:</b>		
Type: DECIDUOUS		
Dominant Species: Oregon ash ( <i>Fraxinus latifolia</i> )		
Secondary Species: willow ( <i>Salix</i> sp.), big-leaf maple ( <i>Acer macrophyllum</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 type="radio"/> 50%-90 <input checked="" type="radio"/> >90%		
<b>Shrubs/Sapling</b>		
Type: MIXED		
Dominant Species: Oregon ash ( <i>Fraxinus latifolia</i> )		
Secondary Species: ornamentals		
% 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 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%		
<b>Herbaceous</b>		
Type: DECIDUOUS		
Dominant Species: mixed lawn grasses		
Secondary Species: Himalayan blackberry ( <i>Rubus discolor</i> ), fescue ( <i>Festuca</i> sp.), ryegrass ( <i>Lolium</i> sp.)		
% 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 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:** JACKSON

**Map:** N-5

**Reach:** N-JAC-R-6R

**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: 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: Residential yards currently encroach upon riparian area.

Current Efforts NONE OBSERVED

**COMMENTS** EXISTING RESIDENTIAL IS WITHIN 50FT NORTH OF STREAM. STREAM IS INTERMITTENT

# Riparian Characterization Form



## Corvallis Riparian Inventory

### GENERAL INFORMATION

**Location of data point:** Highland Road east of  
Crescent Valley High School

**GPS Location:** 44.6160 N 123.2583 W

**Date:** 9/25/2002

**Map Number:** N-5

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

**Riparian Code:** N-JAC-R-7

**Investigators:** PF

**Reach Length:** 4995 feet

**Hydrologic Basin:** JACKSON CREEK

### WATER RESOURCE INFORMATION

**Water Resource:** Stream/River:  Width: 10-15 feet  
Lake/Pond:  Width: \_\_\_\_\_ feet  
Wetland:  Width: 50 - 200+ feet

**LWI Wetland Code:** N-JAC-W-4

**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, Waldo silty clay loam, Amity silt loam

**Adjacent Land Uses?** (Check as many as needed)

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

**Dominant tree species:** Fraxinus latifolia

**Comments:** see other page

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**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

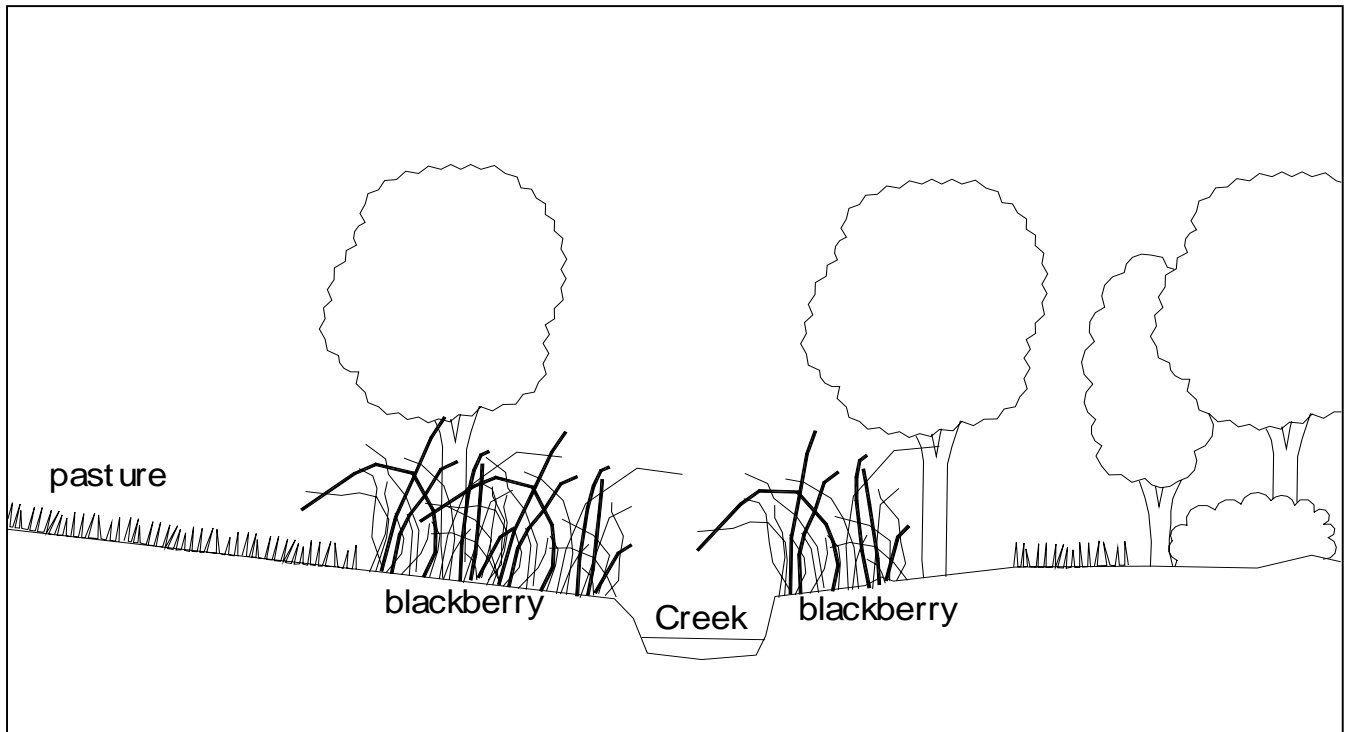
RIPARIAN CODE

**N-JAC-R-7**

Date: 9/25/2002 Investigators: PF

Dominant tree species: Fraxinus latifolia

Comments: Primarily off-site. Assessment performed using air photos, adjacent drainages, and limited visibility from roadway.



# Riparian Functional Assessment Answer Sheet



## Corvallis Riparian Inventory

RIPARIAN CODE

**N-JAC-R-7**

### WATER QUALITY

		Score
<b>1. What is the average slope in the riparian area?</b>		
a. Less than 10:1 (10%) .....	3 pts	<b>3</b>
b. Between 10:1 (10%) and 5:1 (20%) .....	2 pts	
c. Greater than 5:1 (20%) .....	1 pt	
<b>2. What is the dominant vegetation cover in the riparian area?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high .....	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high .....	2 pts	
c. Bare ground .....	1 pt	
<b>3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high .....	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high .....	2 pts	
c. Bare ground .....	1 pt	
<b>4. What is the extent of impervious surfaces within the riparian area?</b>		
a. Less than 10% .....	3 pts	<b>3</b>
b. Between 10% and 25% .....	2 pts	
c. Greater than 25% .....	1 pt	
<b>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.</b>		
a. Low, slight, moderate .....	2 pts	<b>2</b>
b. High, severe, very high .....	1 pts	
<b>Total Points:</b>		<b>14</b>

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
<b>N-JAC-R-7</b>

### 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?

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

Score

3

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

3

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:** 9

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

**FUNCTION IS:** **HIGH**

# Riparian Functional Assessment Answer Sheet



## Corvallis Riparian Inventory

RIPARIAN CODE
<b>N-JAC-R-7</b>

### THERMAL REGULATION

		Score
<b>9. Does the aspect or orientation of the riparian area allow for shading of water at midday in the summer?</b>		
a. Yes	..... 3 pts	<u>3</u>
b. No	..... 1 pt	
<b>10. What is the dominant vegetation layer in the riparian area?</b>		
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	
<b>11. Does woody vegetation hang over the edge of the water?</b>		
a. Yes	..... 2 pts	<u>2</u>
b. No	..... 1 pt	
<b>Total Points:</b>		<u>8</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

**N-JAC-R-7**

### WILDLIFE HABITAT

		Score
<b>12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?</b>		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
<b>13. What is the dominant vegetation layer in the riparian area?</b>		
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	
<b>14. Does woody vegetation hang over the edge of the water?</b>		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
<b>15. Is large woody debris present within the riparian area?</b>		
a. Yes	3 pts	<u>3</u>
b. No	1 pt	
<b>16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?</b>		
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

### WILDLIFE HABITAT (continued)

RIPARIAN CODE
<b>N-JAC-R-7</b>

		Score
<b>17. Is surface water present throughout the year?</b>		
a. Yes	3 pts	<b>3</b>
b. No	1 pt	
<b>18. Is there more than one type of water resource (e.g. stream, wetland, lake/pond) within or immediately adjacent to the riparian reach?</b>		
a. Yes	3 pts	<b>3</b>
b. No	1 pt	
<b>19. What is the degree of development or human-caused disturbance (e.g. buildings, impervious surfaces, lawns, agriculture, trash) in the riparian area?</b>		
a. Less than 25%	3 pts	<b>2</b>
b. Between 25% and 75%	2 pts	
c. Greater than 75%	1 pt	
<b>Total Points:</b>		<b>22</b>

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

**FUNCTION IS: HIGH**

**Corvallis Natural Features Inventory  
Supplemental Riparian Form**

<b>Basin:</b> JACKSON	<b>Reach:</b> N-JAC-R-7	<b>Size (acres):</b> 48.85
<b>Map:</b> N-5		<b>Length (feet):</b> 4995
<b>Dominant Cover Type:</b> WOODY		
<b>ARA Cover Type:</b> Mixed Forest >70% closed canopy		
<b>Other ARA Types:</b> Grass short (lawn, pasture)		
<b>% of Total Cover:</b> Trees: 50   Shrubs: 10   Herbs/Vines: 40   Bare: 0		
<b>Dominant Cover Type At Edge of Water:</b> WOODY		
<b>Edge of Water ARA Type:</b> Mixed Forest >70% closed canopy		
<b>Riparian System:</b> LOTIC		
<b>Trees:</b>		
Type: DECIDUOUS		
Dominant Species: Oregon ash ( <i>Fraxinus latifolia</i> )		
Secondary Species: Black cottonwood ( <i>Populus trichocarpa</i> ), Oregon white oak ( <i>Quercus garryana</i> ), red alder ( <i>Alnus rubra</i> ), big-leaf maple ( <i>Acer macrophyllum</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%		
<b>Shrubs/Sapling</b>		
Type: DECIDUOUS		
Dominant Species: red-osier dogwood ( <i>Cornus stolonifera</i> )		
Secondary Species: willow ( <i>Salix</i> spp.), Indian plum ( <i>Oemleria cerasiformis</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 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%		
<b>Herbaceous</b>		
Type: DECIDUOUS		
Dominant Species: Himalayan blackberry ( <i>Rubus discolor</i> )		
Secondary Species: fescue ( <i>Festuca</i> sp.), ryegrass ( <i>Lolium</i> sp.), reed canarygrass ( <i>Phalaris arundinacea</i> ), Queen Anne's lace ( <i>Daucus carota</i> ), Canada thistle ( <i>Cirsium arvense</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 checked="" type="radio"/> <10% <input 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:** JACKSON

**Map:** N-5

**Reach:** N-JAC-R-7

**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: AGRICULTURAL

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: CURRENTLY FARMED WETLANDS WOULD NEED TO BE TAKEN OUT OF PRODUCTION.

Current Efforts NONE OBSERVED

**COMMENTS**

# Riparian Characterization Form



## Corvallis Riparian Inventory

### GENERAL INFORMATION

**Location of data point:** Crescent Valley Road  
south of High School

**GPS Location:** 44.6108 N 123.2694 W

**Date:** 9/25/2002

**Map Number:** N-4, N-7

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

**Riparian Code:** N-JAC-R-8

**Investigators:** SE

**Reach Length:** 3525 feet

**Hydrologic Basin:** JACKSON CREEK

### WATER RESOURCE INFORMATION

**Water Resource:** Stream/River:  **Width:** 8-12 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:** Dupee silt loam, Bellpine silty clay loam, Dixonville silty clay loam

**Adjacent Land Uses?** (Check as many as needed)

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

**Dominant tree species:** Fraxinus latifolia

**Comments:** see other page

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**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

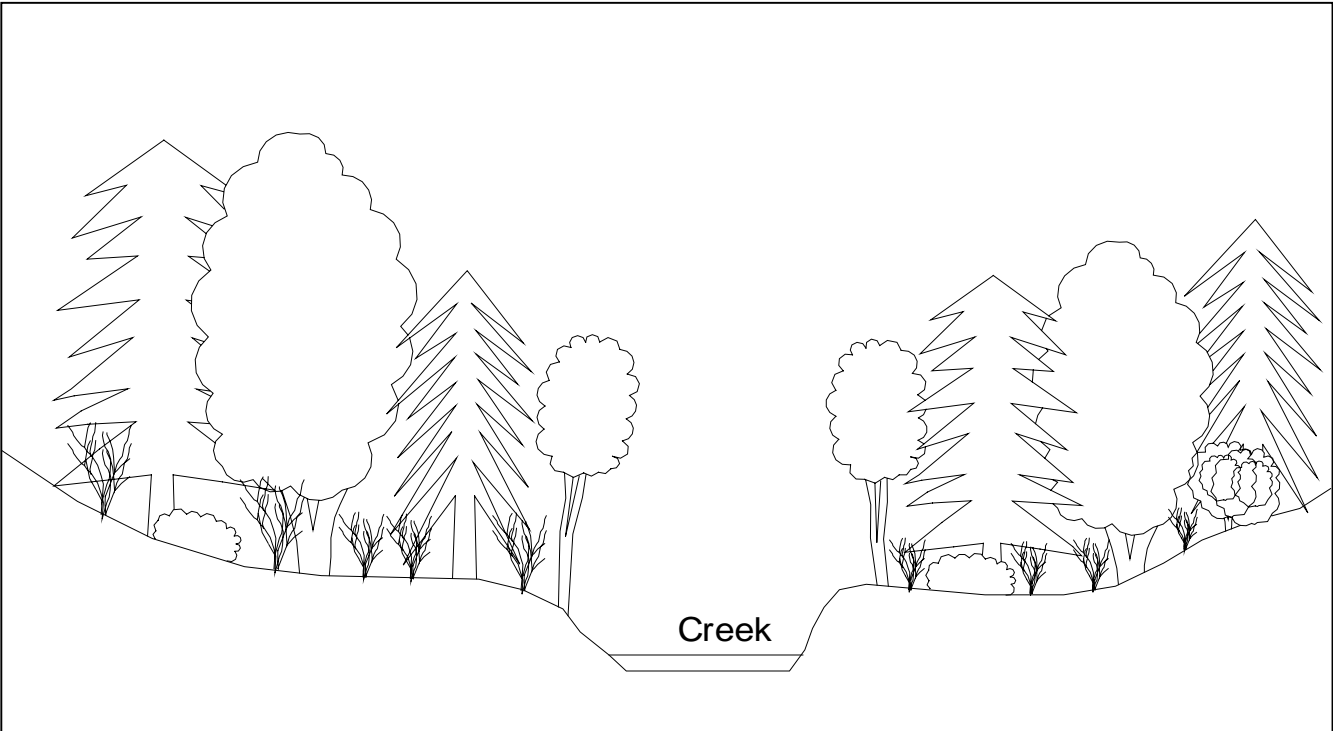


## Corvallis Riparian Inventory

RIPARIAN CODE  
**N-JAC-R-8**

**Date:** 9/25/2002      **Investigators:** SE  
**Dominant tree species:** *Fraxinus latifolia*

**Comments:** Primarily off-site. Assessment performed using air photos, adjacent drainages, and limited visibility from roadway.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Riparian Functional Assessment Answer Sheet



## Corvallis Riparian Inventory

RIPARIAN CODE

**N-JAC-R-8**

### WATER QUALITY

		Score
<b>1. What is the average slope in the riparian area?</b>		
a. Less than 10:1 (10%) .....	3 pts	<b>3</b>
b. Between 10:1 (10%) and 5:1 (20%) .....	2 pts	
c. Greater than 5:1 (20%) .....	1 pt	
<b>2. What is the dominant vegetation cover in the riparian area?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high .....	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high .....	2 pts	
c. Bare ground .....	1 pt	
<b>3. What is the dominant vegetation at the top of bank (if defined) or edge of water resource?</b>		
a. Woody vegetation (trees, shrubs, vines) greater than 1 meter (3.2 feet) high .....	3 pts	<b>3</b>
b. Herbaceous vegetation or woody vegetation less than 1 meter (3.2 feet) high .....	2 pts	
c. Bare ground .....	1 pt	
<b>4. What is the extent of impervious surfaces within the riparian area?</b>		
a. Less than 10% .....	3 pts	<b>3</b>
b. Between 10% and 25% .....	2 pts	
c. Greater than 25% .....	1 pt	
<b>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.</b>		
a. Low, slight, moderate .....	2 pts	<b>2</b>
b. High, severe, very high .....	1 pts	
<b>Total Points:</b>		<b>14</b>

**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
<b>N-JAC-R-8</b>

### 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?

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

Score

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
<b>N-JAC-R-8</b>

### 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

**N-JAC-R-8**

### WILDLIFE HABITAT

		Score
<b>12. How many vegetation layers (i.e. canopy, mid-story, groundcover) are present?</b>		
a. More than 2 layers	3 pts	<u>3</u>
b. 2 layers	2 pts	
c. 1 layer, or unvegetated	1 pt	
<b>13. What is the dominant vegetation layer in the riparian area?</b>		
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	
<b>14. Does woody vegetation hang over the edge of the water?</b>		
a. Yes	2 pts	<u>2</u>
b. No	1 pt	
<b>15. Is large woody debris present within the riparian area?</b>		
a. Yes	3 pts	<u>3</u>
b. No	1 pt	
<b>16. What percent of the water resource edge is bordered by a vegetated riparian area at least 30 feet wide?</b>		
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

### WILDLIFE HABITAT (continued)

RIPARIAN CODE

**N-JAC-R-8**

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

**3**

**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**

<b>Basin:</b> JACKSON	<b>Reach:</b> N-JAC-R-8	<b>Size (acres):</b> 16.53
<b>Map:</b> N-4, N-7		<b>Length (feet):</b> 3525
<b>Dominant Cover Type:</b> WOODY		
<b>ARA Cover Type:</b> Hardwood Forest >70% closed canopy		
<b>Other ARA Types:</b> Grass natural/dry prairie		
<b>% of Total Cover:</b> Trees: 60    Shrubs: 15    Herbs/Vines: 25    Bare: 0		
<b>Dominant Cover Type At Edge of Water:</b> WOODY		
<b>Edge of Water ARA Type:</b> Hardwood Forest >70% closed canopy		
<b>Riparian System:</b> LOTIC		
<b>Trees:</b>		
Type: MIXED		
Dominant Species: Oregon ash ( <i>Fraxinus latifolia</i> )		
Secondary Species: Oregon white oak ( <i>Quercus garryana</i> ), Red alder ( <i>Alnus rubra</i> ), bigleaf maple ( <i>Acer macropylum</i> ), Douglas hawthorn ( <i>Crataegus douglasii</i> ), Douglas fir ( <i>Pseudotsuga menziesii</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%		
<b>Shrubs/Sapling</b>		
Type: DECIDUOUS		
Dominant Species: Oregon ash ( <i>Fraxinus latifolia</i> )		
Secondary Species: beaked hazelnut ( <i>Corylus cornuta</i> ), vine maple ( <i>Acer circinatum</i> ), Indian plum ( <i>Oemleria cerasiformis</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 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%		
<b>Herbaceous</b>		
Type: DECIDUOUS		
Dominant Species: tall fescue ( <i>Festuca arundinacea</i> )		
Secondary Species: Canada thistle ( <i>Cirsium arvense</i> ), Himalayan blackberry ( <i>Rubus discolor</i> ), Queen Anne's lace ( <i>Daucus carota</i> ), common velvetgrass ( <i>Holcus lanatus</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 checked="" type="radio"/> 10%-50% <input type="radio"/> 50%-90% <input type="radio"/> >90%		

**Corvallis Natural Features Inventory  
Supplemental Riparian Form**

**Basin:** JACKSON

**Map:** N-4, N-7

**Reach:** N-JAC-R-8

**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: UNKNOWN OFF-SITE

Current Efforts NONE OBSERVED

**COMMENTS** Primarily off-site assessment due to lack of access.