RIPARIAN CHARACTERIZATION SITE FORM DRAFT, DECEMBER 2010

<table>
<thead>
<tr>
<th>Stream Name:</th>
<th>Location:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site ID/ Map Designation:</td>
<td>Site Description:</td>
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</tbody>
</table>

**Transect Information**

<table>
<thead>
<tr>
<th>Width (N-S):</th>
<th>Length (W-E):</th>
<th>Total Area:</th>
<th>Proximity to Stream:</th>
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**Weather Conditions**

<table>
<thead>
<tr>
<th>Current</th>
<th>Past 24 Hours</th>
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<tbody>
<tr>
<td>storm (heavy rain)</td>
<td>□</td>
</tr>
<tr>
<td>rain (steady rain)</td>
<td>□</td>
</tr>
<tr>
<td>showers (intermittent)</td>
<td>□</td>
</tr>
<tr>
<td>% cloud cover</td>
<td>□</td>
</tr>
<tr>
<td>clear/ sunny</td>
<td>□</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Forms Completed By:</th>
<th>Date</th>
<th>Time</th>
<th>AM</th>
<th>PM</th>
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</table>

**Water Resource Information**

<table>
<thead>
<tr>
<th>Channel Type:</th>
<th>Perennial</th>
<th>Intermittent</th>
<th>Other</th>
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*Water Quality parameters recommended for sampling:*

- Temperature
- Turbidity
- Nutrients
- Bacteria
- Dissolved Oxygen

*Presence of large woody debris in-stream:*  Yes  No

*Dominant substrate:*

- Silt/clay/Mud
- Sand (up to 1/8” d)
- Gravel (1/8”-2-1/2”)
- Cobbles (2-1/2”-10”)
- Boulders (>10”)
- Bedrock (solid rock)

*Listed for temperature on DEQ’s 303 (d) list (office):*  Yes  No

*Existing canopy providing shade to stream?*  Yes  No

**Biological Information**

*Fish presence in stream: office-ODFW info:*

*Potential barriers to fish movement:*

- Type: debris pile  culverts  Waterfalls  height  photo #
- Waterfalls height

*Aquatic plants in stream:*

- None  Occasional  Plentiful  Attached
- Free-floating  Stream margin  Pools  Near riffle

*Comments: (Note any presence of wildlife/ aquatic species)*
<table>
<thead>
<tr>
<th>Vegetation Information</th>
<th>Dominant (most abundant) vegetation layer: tree shrub herbaceous bare ground</th>
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<tbody>
<tr>
<td></td>
<td>Vegetation layers present: One two three</td>
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<tr>
<td></td>
<td>Will flagging for existing native plants be necessary prior to planting? Yes No</td>
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<tr>
<td></td>
<td>Is there potential for release of existing native plants? Yes No</td>
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<tr>
<td></td>
<td>Percent of native species: 0% 1-10% 10-30% 30-50% 50-70% 70-90% 100%</td>
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<tr>
<td></td>
<td>List native species, percent cover and growth stage (seedling, pre-bloom, flowering, post bloom, fall re-growth):</td>
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<td></td>
<td>Percent of weed species: 0% 1-10% 10-30% 30-50% 50-70% 70-90% 100%</td>
</tr>
<tr>
<td></td>
<td>List weed species, percent cover and growth stage:</td>
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### Landscape Information

**Mapped soil series for site, attach copy of map to form (office):**

______________________________________________________________

Soil surface texture:  Sandy    loamy    clay    other:______________
(refer to soil texture diagram)

**Predominant surrounding land use (indicate land use on both streambanks):**

<table>
<thead>
<tr>
<th>Forest</th>
<th>Urban</th>
<th>Field/Pasture</th>
<th>Commercial</th>
<th>Park</th>
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Residential    Agriculture    Industrial    Other:__________________________________________

**Ave. slope in riparian area:**

Right bank: ________  Left bank: ________

**Ave. width of riparian area**

Right bank: ________  Left bank: ________

**Will erosion control be needed prior to planting?**  Yes  No

**Aspect of the riparian area:**  north    south    west    east

**Site Limitations/ Conditions for planting:**

<table>
<thead>
<tr>
<th>Disturbance</th>
<th>Noxious weeds</th>
<th>Significant prepwork</th>
<th>Soil conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access</td>
<td>Minimal overstory</td>
<td>Construction</td>
<td>Flooding potential</td>
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Irrigation availability    Other:__________________________________________

**Recommendation for planting:**

Bank stabilization    Canopy structure    Habitat Building

Establishment of native plants    Conifer establishment (future large woody debris)

Other:__________________________________________

Species recommendation :__________________________________________

__________________________________________

### Photopoint Information

**Photograph Identification number:**

__________________________________________

Comments:

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**Photograph Identification number:**

__________________________________________

Comments:

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**Photograph Identification number:**

__________________________________________

Comments:

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**Photograph Identification number:**

__________________________________________

Comments:
Vegetation Map

Map symbols:
Instructions for Riparian Characterization Form

1. **Stream Name.** Name of closest stream to riparian area.
2. **Location.** Provide a general description of location, including city, nearest cross-roads and landmark features.
3. **Site ID/ Map Designation.** Determine prior to field visit; locate on project site maps.
4. **Site Description.** Provide a general description of the planting area in terms of landform and characteristic vegetation. Include the presence of terraces and slopes within the planting area.
5. **Transect Information.** Provide details of relocating transect.
6. **Width/ Length/ Total Area/ Proximity to Stream.** Provide average width (north-south direction) of length (west-east direction) of “plantable” area. The area may typically be above bank full width (BFW) or may include a portion of BFW depending upon the extent of seasonal inundation.
7. **Weather Conditions.** Document weather conditions at the time of monitoring and within the last 24 hours. Provide a number for percent cloud cover.
8. **Forms Completed By.** Name of individuals completing form.
9. **Date/Time.** Date and time of site survey.
10. **Channel Type.** Circle one that applies to characteristic of stream. 1. Perennial. One which flows continuously. 2. Intermittent or seasonal. One which flows only at certain times of the year when it receives water from springs or from some surface source such as melting snow in mountainous areas. Others: 3. Ephemeral. One that flows only in direct response to precipitation, and whose channel is at all times above the water table. 4. No Flow. 5. Undetermined.
11. **Water Quality parameters recommended for sampling.** Circle water quality parameters that should be considered for sampling for the site. Note timing of sampling (prior to planting, during, post-planting, etc.).
12. **Presence of large woody debris in-stream.** Circle yes or no.
13. **Dominant substrate.** Circle the most abundant size of substrate material observed within the nearest stream section.
14. **Listed for temperature on DEQ’s 303 (d) list.** Review 303 (d) list before field visit and note the presence or absence of the stream on the list.
15. **Existing canopy providing shade to stream.** Note the presence of mature canopy on both sides of the stream.
16. **Fish presence in stream.** Review Oregon Department of Fish and Wildlife’s fish presence list prior to field visit.
17. **Potential fish barriers to fish movement.** Note presence and type of potential fish barrier in stream.
18. **Aquatic plants in stream.** Note presence of aquatic plants in stream and approximate location of plant.
19. **Comments.** Note any observations of wildlife or aquatic species and any vegetation association while performing survey (eg Belted kingfisher in willow). If species is unknown document general type of wildlife.
20. Dominant vegetation layer. Circle the most abundant vegetation layer within study area. Herbaceous includes grasses, vining plants, wildflowers, and most weeds.

21. Vegetation layer present. Circle number of vegetation layers present. Includes tree, shrub and herbaceous layer.

22. Will flagging for existing native plants be necessary prior to planting. Document the need of marking any existing native plants on site to avoid removal of species during site preparation or planting.

23. Is there a potential for release of existing plants. Note the need to release plants such as cottonwoods. Release meaning removing the lower limbs on the seedling to encourage the growth of the primary leader.


25. List native/weed species, percent cover and growth stage. Note native species in table, if unknown list in native and note in margin “unknown species origin”. Document percent cover by closest approximation. Document growth stage by seedling, prebloom (prior to blooming), flowering, post bloom (dead flower present), fall regrowth.

26. Mapped soil series for site, attach copy of map to form. Prior to field visit, review Jackson County soil survey and copy soil series type for project area, attach to survey form.

27. Soil surface texture. Refer to soil texture diagram and determine most prominent soil surface type.

28. Predominant surrounding land use. Record the primary land use occurring on the terraces and hill slopes beyond the riparian corridor for each side of the stream.

29. Ave. slope in riparian area. Record the average slope on both sides of the stream bank. Use clinometer if available. Shoot a line from the top of the site to the stream bank (using the scale on the right side of the clinometer). If clinometer is unavailable use general terms of level to nearly level (0-2%), gradual (3 to 10%), moderate (11 to 50%) or steep (51 to 100%).

30. Ave. width of riparian area. Record average width of riparian area (transitional area between the stream and the upland area) on both sides of stream.

31. Will erosion control be needed prior to planting. Note any areas where there is need of erosion prevention/ sediment control, record appropriate method of control.

32. Aspect of riparian area. Note the general direction the slope is facing within the riparian area to be planted. Consider site aspect relative to sun and wind exposure.

33. Site Limitations/ Conditions for planting. Circle any site conditions that may affect the potential to plant the site. Record any further notes in the margin.

34. Recommendation for planting. Note the general objective for planting the site.

35. Photopoint Information. Document all photos taken and provide general comments as to the time, direction, and location of photo.
36. Vegetation map. Sketch a map of the project site including landmarks such as large trees, roads and buildings. Draw the location of the vegetation plots relative to landmarks and to the stream. Indicate NORTH.

37. Map symbols. Provide explanation of any symbols used in the vegetation map. A list of general abbreviation follows:

**Abbreviations:**

**Trees**
- CC = Chokecherry
- CW = Black Cottonwood
- MA = Big-Leaf Maple
- ASH = Oregon Ash
- IC = Incense Cedar
- ALD = Alder
- PP = Ponderosa Pine

**Grasses**
- RU = Rush
- SD = Sedge
- GR = Grass

**Willows**
- PW = Pacific Willow
- SW = Scouler’s Willow
- DW = Dusky Willow

**Damage**
- POV = pushed over
- Gir = girdling
- BR = bark removal
- DT = dead top
- BL = broken leader
- WB = wind burn
- TR = trampled
- W = wind
- CD = cut down
- RB = rub
- LBM = lower branches missing
- Bro = browse
- Fld = flood damage
- Ck = Canker

**Shrubs**
- RTD = Redtwig Dogwood
- GC = Golden currant
- SB = Snowberry
- BE = Blue Elderberry
- PN = Pacific Ninebark
- OG = Tall Oregon grape
- MO = Mock orange
- VM = Vine Maple
- IP = Indian Plum
- TB = Twinberry
- CAP = Crab Apple
- CAS = Cascara
- EH = Evergreen Huckleberry
- WS = Western serviceberry
- OS = Ocean Spray
- CE = Ceanothus
- THB = Thimbleberry
- HN = Hazelnut
- WR = Wood’s Rose
- VI = Viburnum
- NR = Nootka Rose
- CR = Clustered rose
- HAW = Douglas Hawthorn

**Cause of Damage**
- SM = small mammal
- DL = domestic wildlife
- Mach = machine
- HU = Human

**Competition**
- GR = grass
- BB = blackberry
- SH = shrub
- OV = overstory
- Add (IV) to end of Abbrev. If known invasive species
Mat = mature
GB = gravel bar