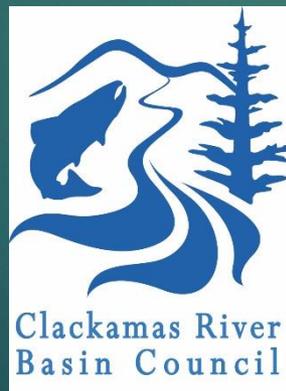


# Clackamas Confluence Restoration Project



# Project Overview

- ▶ **Revegetate 9.5 acres of floodplain habitat**
  - ▶ Remove invasive weeds- blackberry, ivy, knotweed
  - ▶ Replant with over 17,000 native plants
- ▶ **Instream Habitat Enhancements**
  - ▶ Open 1 acre of seasonal off-channel habitat
  - ▶ Install large wood structures at inlets
- ▶ **Outreach and Education**
  - ▶ SOLVE, Dig In, ECO and CRBC led volunteer work parties
  - ▶ City of Gladstone community engagement

# Timeline

- ▶ 2013- Coordination with partners began
- ▶ 2015- Permit applications submitted and feature design plans created
- ▶ Summer 2016- Alcove construction
- ▶ Fall 2016- Final site prep weed work for native planting
- ▶ Winter 2016-17- Native plantings
- ▶ Fall 2017- Informational Kiosk designed and installed
- ▶ 2017-19- Weed maintenance, monitoring
- ▶ 2019-21- Continued weed maintenance

**Rinearson Creek Project**

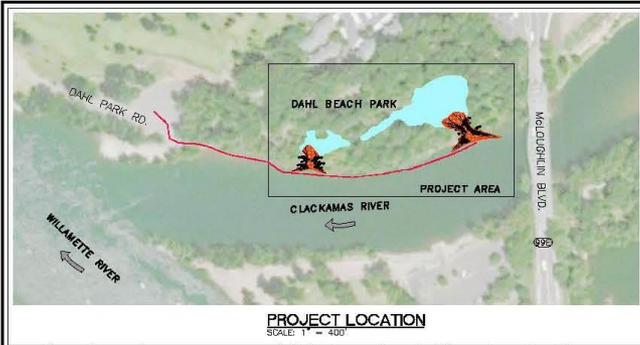


**Clackamas Confluence Project**



**Willamette Mainstem Project**





**CLACKAMAS RIVER**

←

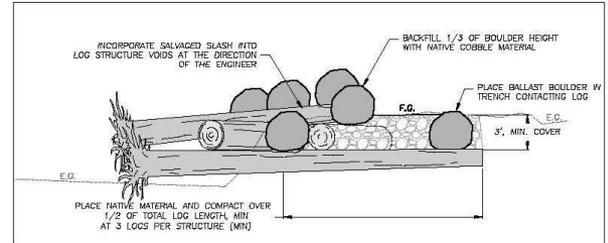
**SITE PLAN**  
SCALE: 1" = 50'

**LEGEND**

— 95 — 100 —	EXISTING CONTOURS
— 100 —	PROPOSED CONTOURS
- - - - -	TEMPORARY CONSTRUCTION ACCESS ROUTE
~~~~~	ESTIMATED BOUNDARY OF FOREST FLOODPLAIN WITH INCREASED FREQUENCY OF INUNDATION
[Hatched Area]	ESTIMATED LIMITS OF GRADING

**NOTES:**

1. CONTOURS DERIVED FROM LIDAR DATA
2. SIDE EXCESSANCE FOR AUG-2007, THE CONSTRUCTION PERIOD, IS 8.2 FT HAVING WHICH IS BELOW THE ELEVATION OF THE PROPOSED ACCESS ROUTE.



CREATED ON: 4/17/2014

# Construction



**2015 Pre-Construction Looking Upstream**



**August 2017 Completed West Alcove**



**July 2017 Log Jam Construction**

# Construction



**August 2016 Completed East Alcove**



**December 2016 High Water – West Alcove, looking out towards Clackamas River**



**January 2017 High Water – East Alcove, looking into Alcove**

# Revegetation

Project Element/ Goal	Specific Objectives
<p data-bbox="63 706 479 768"><u>Revegetation</u></p> <p data-bbox="63 882 591 1118">Goal: Restore riparian Floodplain Forest</p>	<ul data-bbox="658 511 1843 1146" style="list-style-type: none"><li>- Increase riparian vegetation species diversity and structural diversity</li><li>- <u>Remove invasive species across 9.5 acres</u> through manual and chemical control</li><li>- <u>Plant roughly 17,000 native plants</u> including diverse riparian species adapted to site conditions</li><li>- <u>Maintain plantings</u> until they are 'free to grow'</li></ul> <p data-bbox="668 1232 1860 1346">(Revegetation activities will use professional crews, student, and volunteer labor)</p>

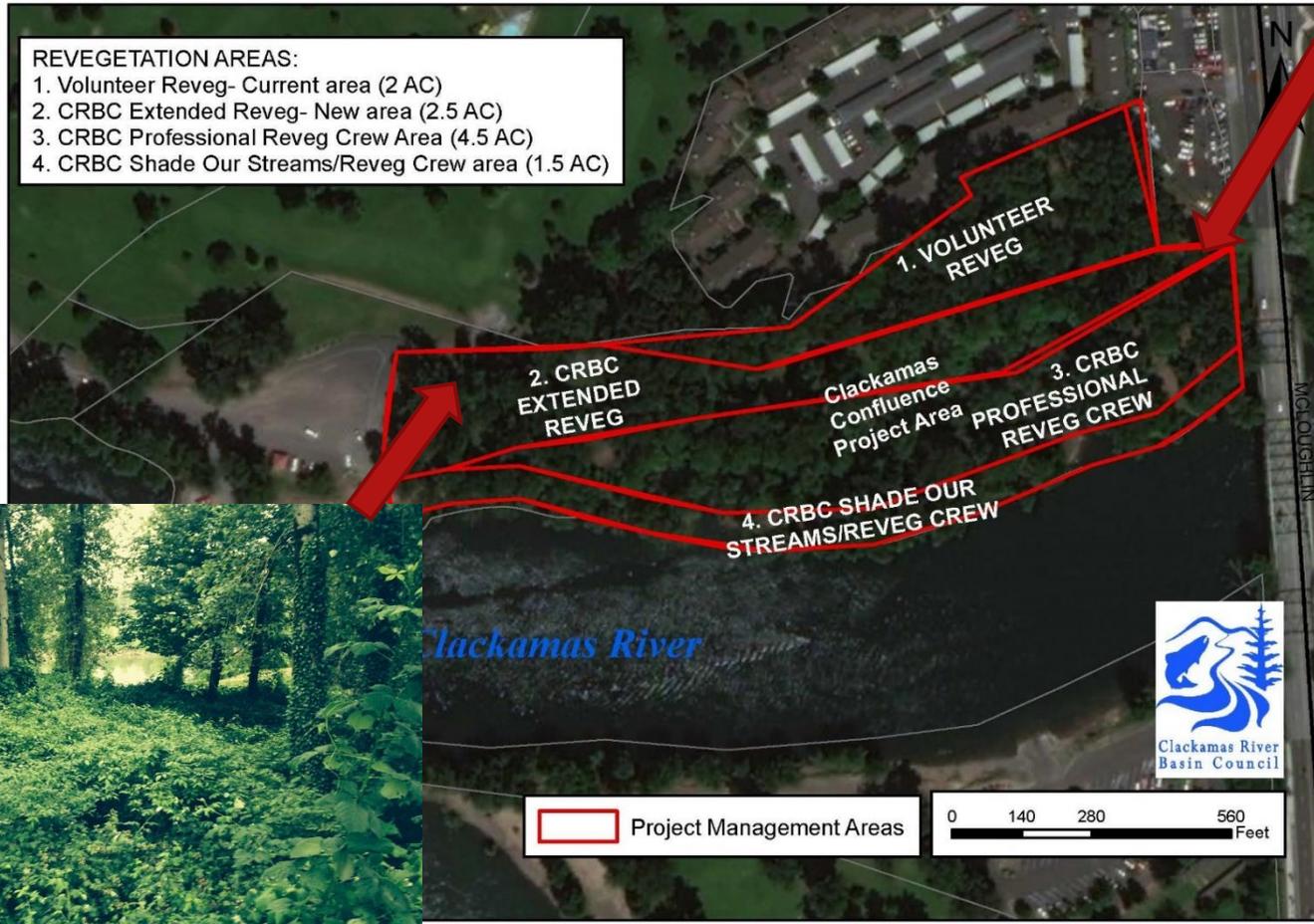
# Revegetation



## Clackamas River Confluence: Floodplain Forest Revegetation

### REVEGETATION AREAS:

1. Volunteer Reveg- Current area (2 AC)
2. CRBC Extended Reveg- New area (2.5 AC)
3. CRBC Professional Reveg Crew Area (4.5 AC)
4. CRBC Shade Our Streams/Reveg Crew area (1.5 AC)



# Outreach and Education



**Goal:** Increase community awareness of project activities and watershed health at this accessible, high visibility site

**Objective:** Educating local residents, park users and volunteers of the natural habitat values that the site offers

- Engaging students and volunteers
- Installed interpretive sign/kiosk/overlook

# Outreach and Education



- Work parties
- Project/Park promotions
- Community education
- Project signage