

# FUNDING DOCUMENT FOR: Clark County Clean Water Restoration Fund Program

## LOWER LACAMAS CREEK RIPARIAN-PHASE 1

### PROJECT LOCATION:

NW 1/4,S12,T1N,R3E  
45°35'13.25"N LAT. / 122°23'20.84"W LONG.

### DRIVING DIRECTIONS:

- FROM I-205 Merge onto WA-14 E EAST TO CAMAS (3.5 MILES)
- Take exit 12 toward Camas(0.4 MILES)
- At the traffic circle, take the 2nd exit onto NW 6th Ave(1.0 MILES)
- Turn right onto NE Adams St (0.2 MILES)
- Turn left onto NE 3rd Ave (0.8 miles)
- Slight right onto NE 3rd Loop BAZ Riverfront Park on your right

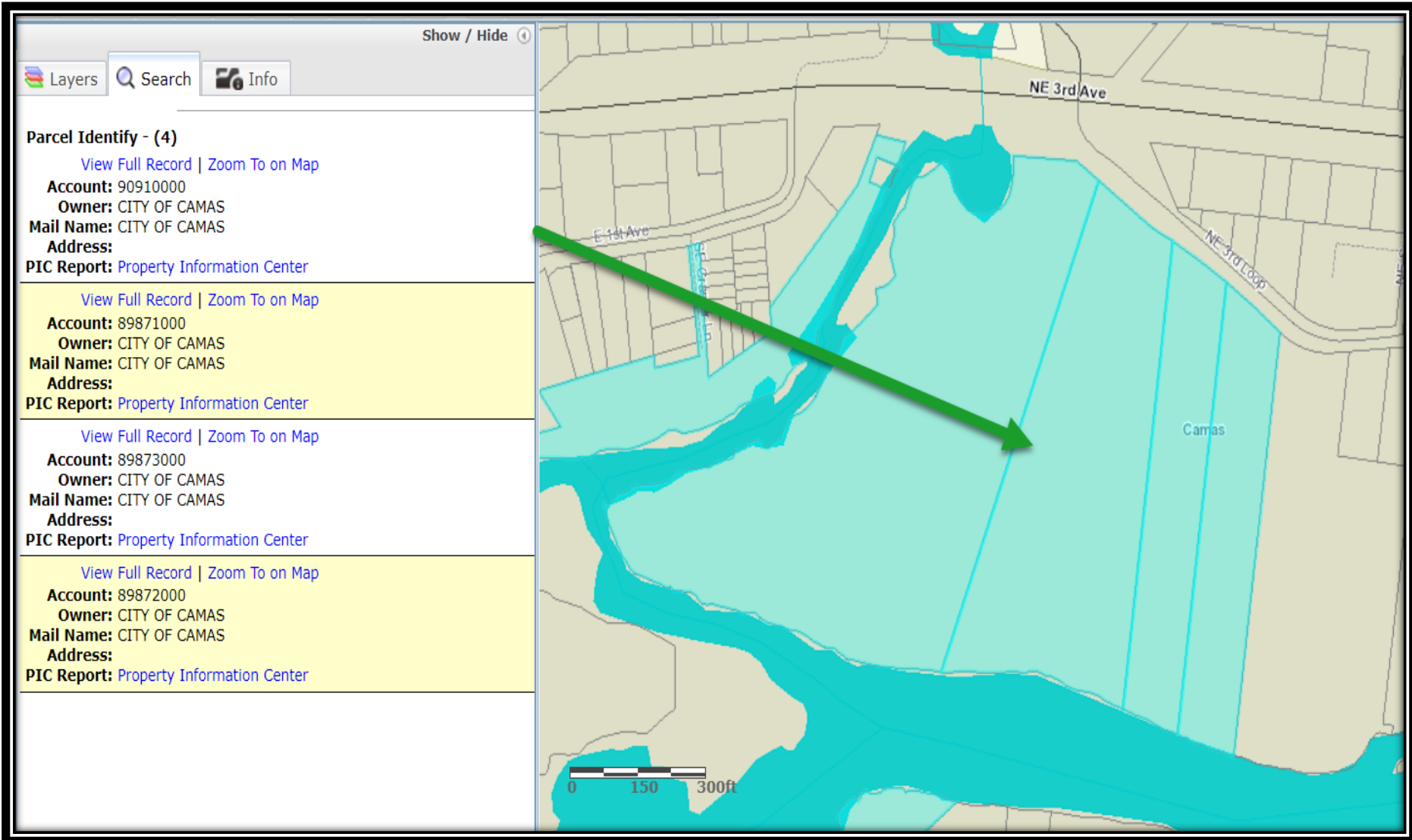
### SHEET INDEX

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<p><b>PURPOSE:</b> HABITAT ENHANCEMENT PROJECT TO IMPROVE RIPARIAN CONDITIONS AND SUSTAIN NATURAL WATERSHED PROCESSES THAT WILL REDUCE THE IMPACT OF STORMWATER ON WATER QUALITY AND AQUATIC HABITATS IN LOWER LACAMAS CREEK AND THE WASHOUGAL RIVER.</p> <p><b>PRIMARY PROPERTY OWNER(S):</b> CITY OF CAMAS</p> <p><b>CONSULTANT:</b> TBD</p>	<p><b>SITE LOCATION ADDRESS:</b> NE 3<sup>RD</sup> LOOP CAMAS, WA 98607 PIN: 90910000; 89873000; 89871000</p> <p><b>IN:</b> LACAMAS CREEK <b>NEAR:</b> NE 3<sup>RD</sup> AVE AND WASHOUGAL RIVER <b>STATE:</b> WA <b>COUNTY:</b> CLARK</p>	<p><b>SPONSOR:</b> LOWER COLUMBIA FISH ENHANCEMENT GROUP</p> <p><b>PROJECT CONTACT:</b> MAURICE FRANK 360-953-1480</p> <p><b>PROPOSED GRANT PERIOD:</b> FROM 10/2021 TO 10/2024</p>
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<p>LOWER LACAMAS CREEK DESIGN-PHASE 1</p>		<p>COVER, SHEET INDEX, AND VICINITY MAP</p>	<p>SHEET 1</p>
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# Existing Conditions



- The hillsides within the site are covered with invasive vegetation (e.g., English ivy, Scotch broom, and Himalayan blackberry).
- Reed canary grass and a few pockets of blackberry dominate the open areas of the floodplain near the boardwalk.
- The site has multiple nearby impervious surfaces that exacerbate negative stormwater impacts.



# Lower Lacamas Creek Riparian-Phase1

Planting Map



**Legend**

- Hillside Planting Area 1
- Hillside Planting Area 2
- Impervious Surface
- Plant Community 1
- Plant Community 2
- Plant Community 3
- Plant Community 4
- Plant Community 5
- Planting Area

Lower Lacamas Creek Riparian-Phase 1



Base Map and Project Boundaries

Sheet

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# Reference Sites: Forested Wetland



Forested wetland with vertical plant diversity



Gary Oak (*Quercus garryana*) growing next to Oregon Ash (*Fraxinus latifolia*)



Thicket of red-osier dogwood (*Cornus stolonifera*)



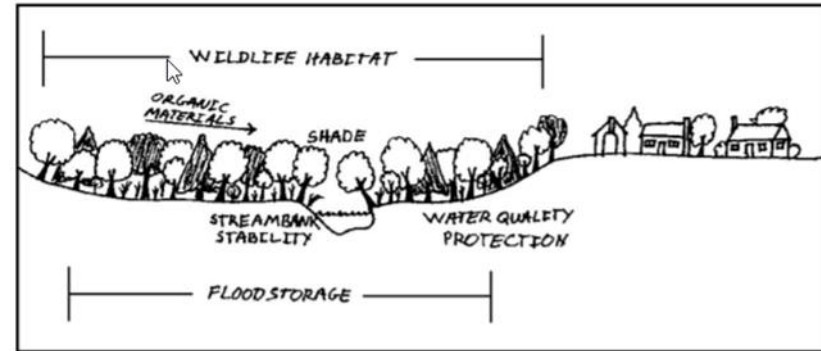
Forested wetland during annual inundation

# Planting Strategy for Riparian Re-vegetation

- Use a 3:1 shrub-to-tree ratio (CONCEPTUAL)
- Setup five native plant communities
- Utilize dense planting strategy
- Plant in clusters to improve forested wetland
- Reseed with low-profile native grasses to reduce competition



Reference site image: Forested Wetland



This image shows the common functions of riparian areas. Figure 1.2-a, from Cruz et al. 2003 (USDA)

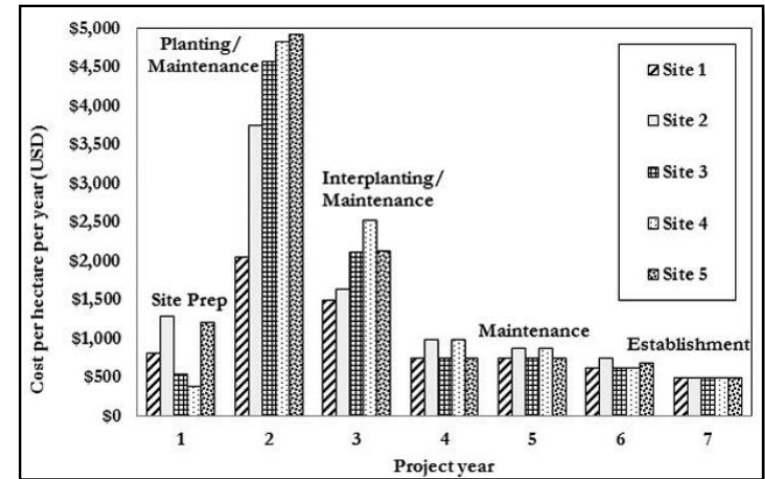


Image shows cost profile over time. Figure 4 from Guillozet et al. 2014