

Birch Bay Watershed Action Plan



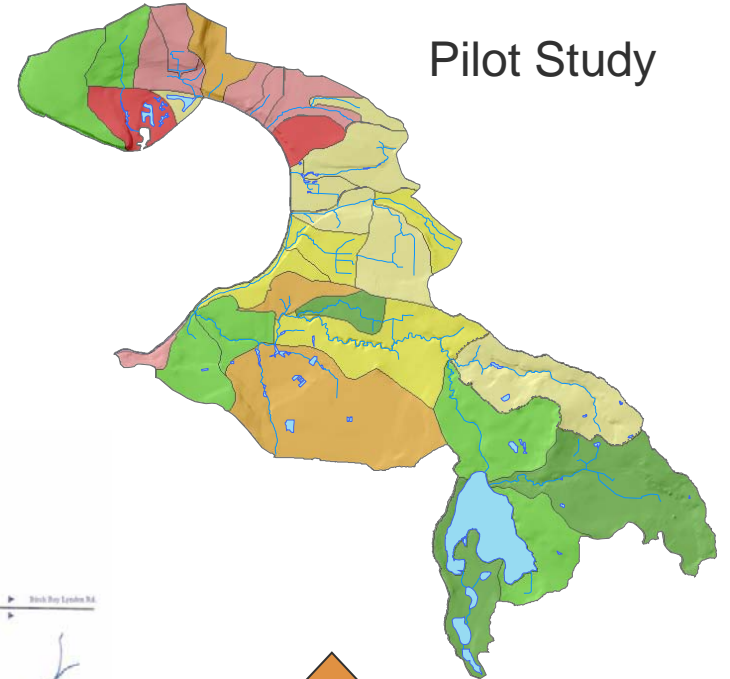
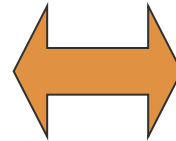
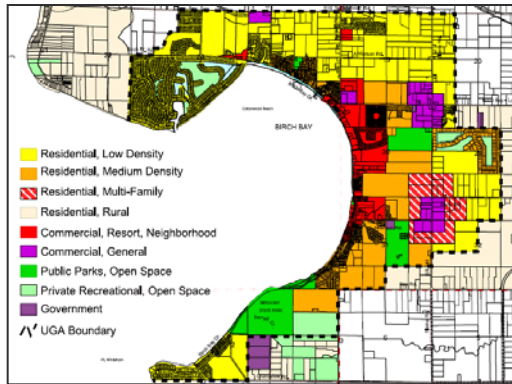
Public Review Drafts

Public Open House
Birch Bay Bible Community Church
November 21, 2011

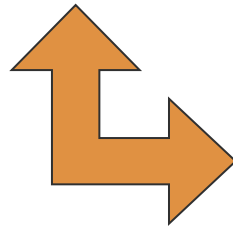
What are the Problems Here?

- Need your help resolving future land use issues pertinent to Birch Bay
 - Water quality
 - Wetland Impacts

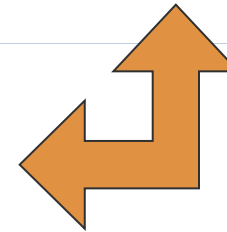
Problems are Recognized



BB Community Plan



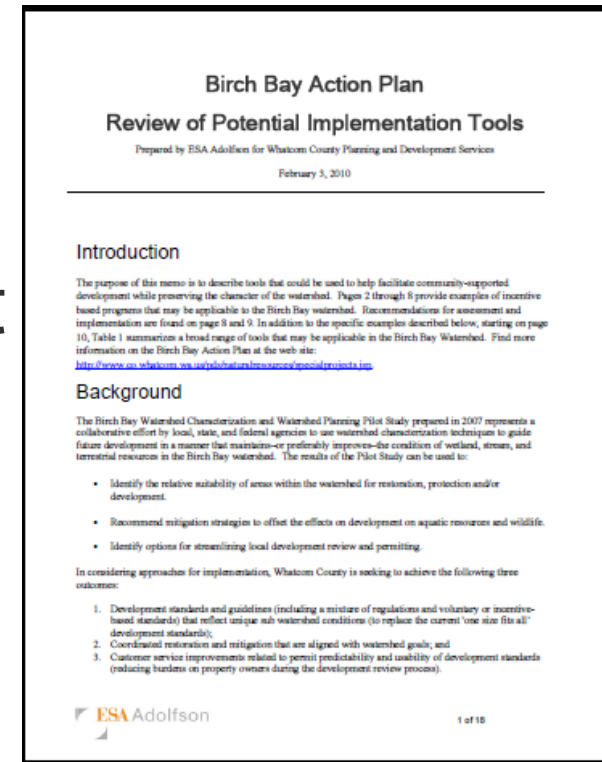
Design Guidelines



Stormwater Plan

Implementation Tools

- Impervious Surface Market
- Eugene Wetlands Plan
- Sustainable Development
- Alternative Mitigation Program



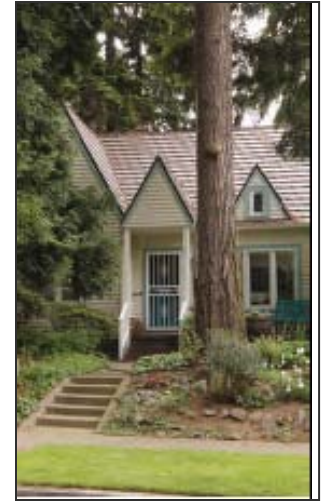
The Proposal



What is LID?

Non-structural Measures

- Retain Trees
- Minimize Clearing and impervious surfaces
- Maintain natural topography



What is LID?

Structural Practices

- Pervious Parking Areas
- Rain Gardens, Dispersion
- Rain Water Harvest, Green Roof

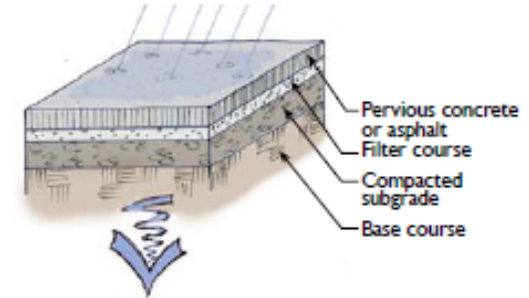
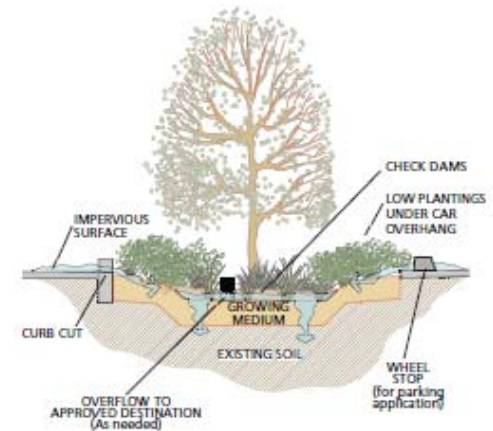


Figure 4-7: Pervious concrete/asphalt.



Birch Bay Program Highlights

■ Making Low Impact Development Easy

- Provides "off the shelf" stormwater solutions
- Stormwater facility Decision Tree
- Handbook to understand permitting and costs
- Free Screening meeting with LID Staff
- Design flexibility - parcel sizing, road widths, pavement options

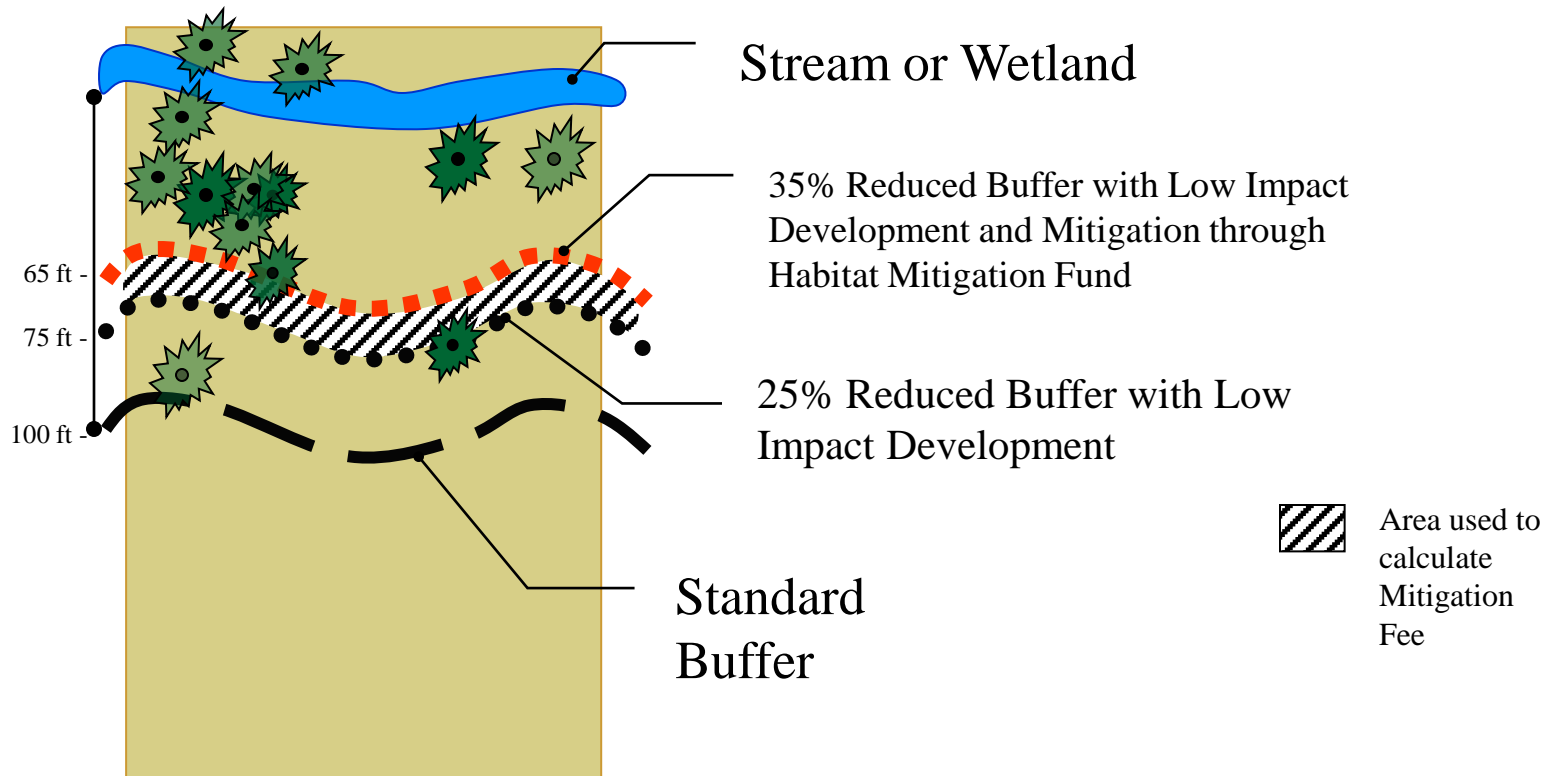


Birch Bay LID Categories

1. Tree Retention
2. Re-vegetation
3. Minimize Impervious Surface
4. Manage Stormwater Runoff
5. Amend Soils

Watershed Specific Critical Area Rules

Reduced buffer widths with LID



Watershed Specific Critical Area Rules

- Clarity on avoidance of wetlands

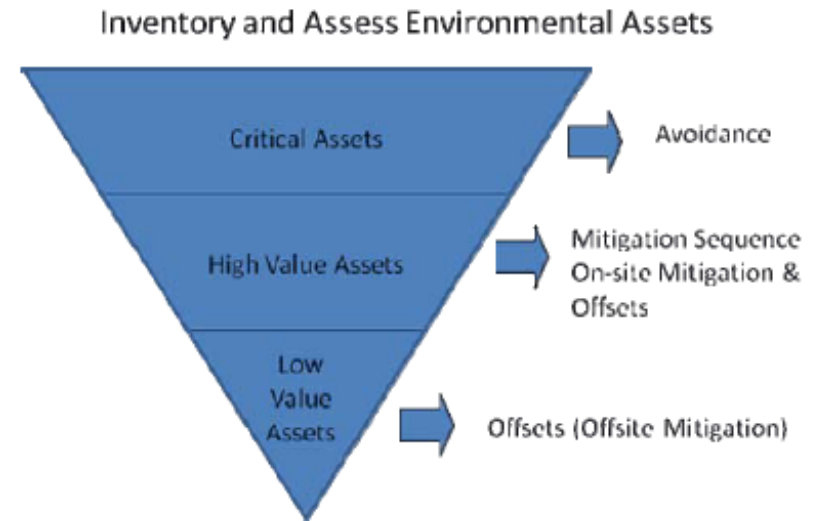
- Lake Terrell/Terrell Cr Estuary

- Open Water wetlands

- Plowed Farm Field

- . Project Qualifies as LID
- . Project is located in “development” watershed

MITIGATION FRAMEWORK

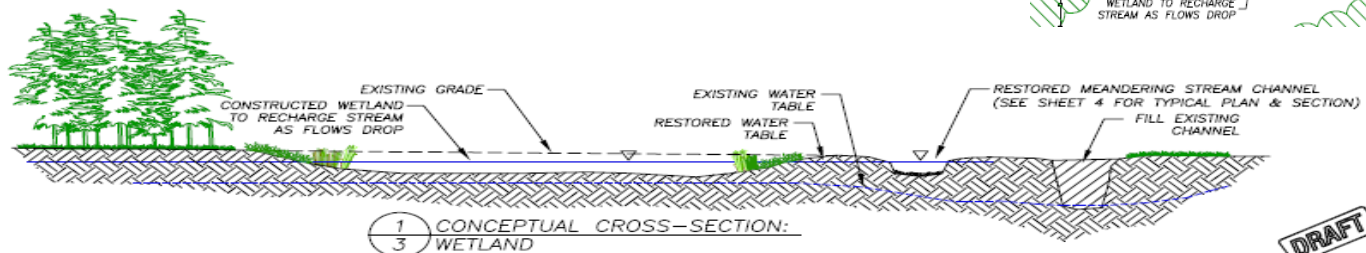
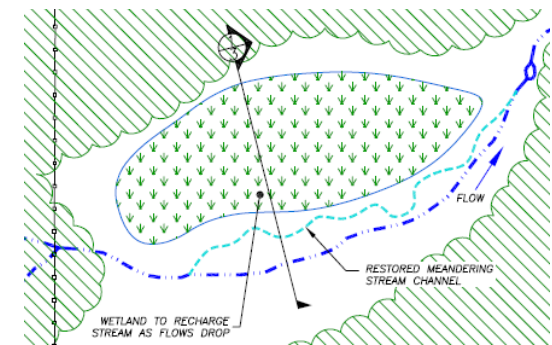


Source: *Making Mitigation Work, The Report of the Mitigation that Works Forum*, Dec. 2008., Department of Ecology Publication Number #08-06-01.



Habitat Mitigation Fund

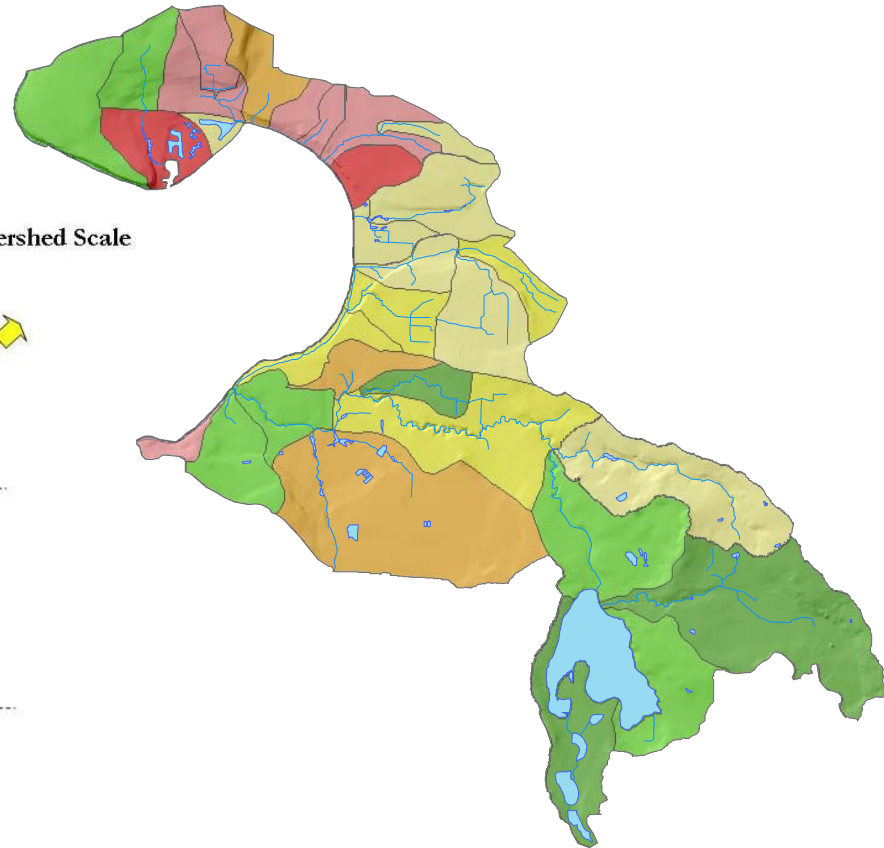
- Fee-in-lieu of mitigation for buffer impacts
- Individual impacts are offset through consolidated, larger mitigation projects
- Projects are managed by single entity responsible for long term success



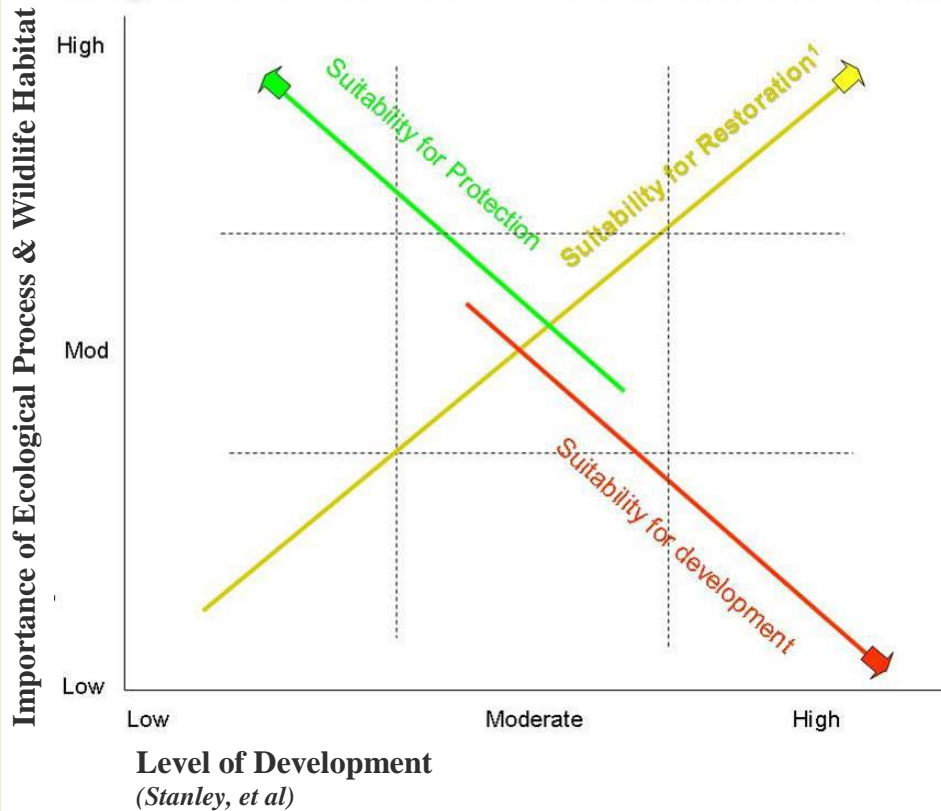
DRAFT

New Approach

2007 Watershed Characterization Pilot Study



Setting Priorities for Protection & Restoration of Sub-basins at a Watershed Scale



Improved Outcomes

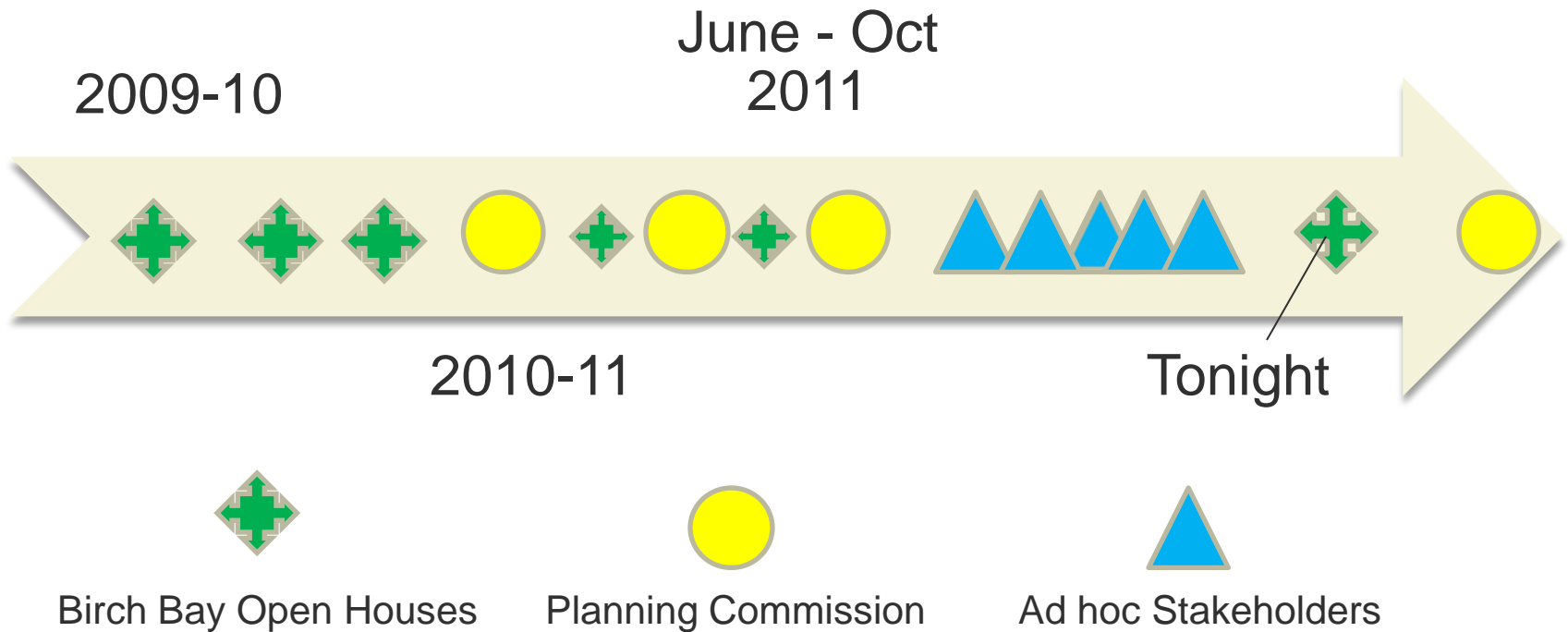
- Modern, marketable housing
- Cost effective
- Long term management of wildlife habitat
- Clean Water



Improved Aesthetics



Process and Next Steps



Next Steps

- Planning Commission December 8, 2011
 - Thurs - 6:30 PM County Courthouse
- Council 2012

Questions

