



All About LID



Spokane Riverkeeper

Working for a Fishable Swimmable River



Purpose of Presentation

- Stormwater 101
- What is LID, and why we need it
- Local examples of examples of LID
- How to get more information about LID

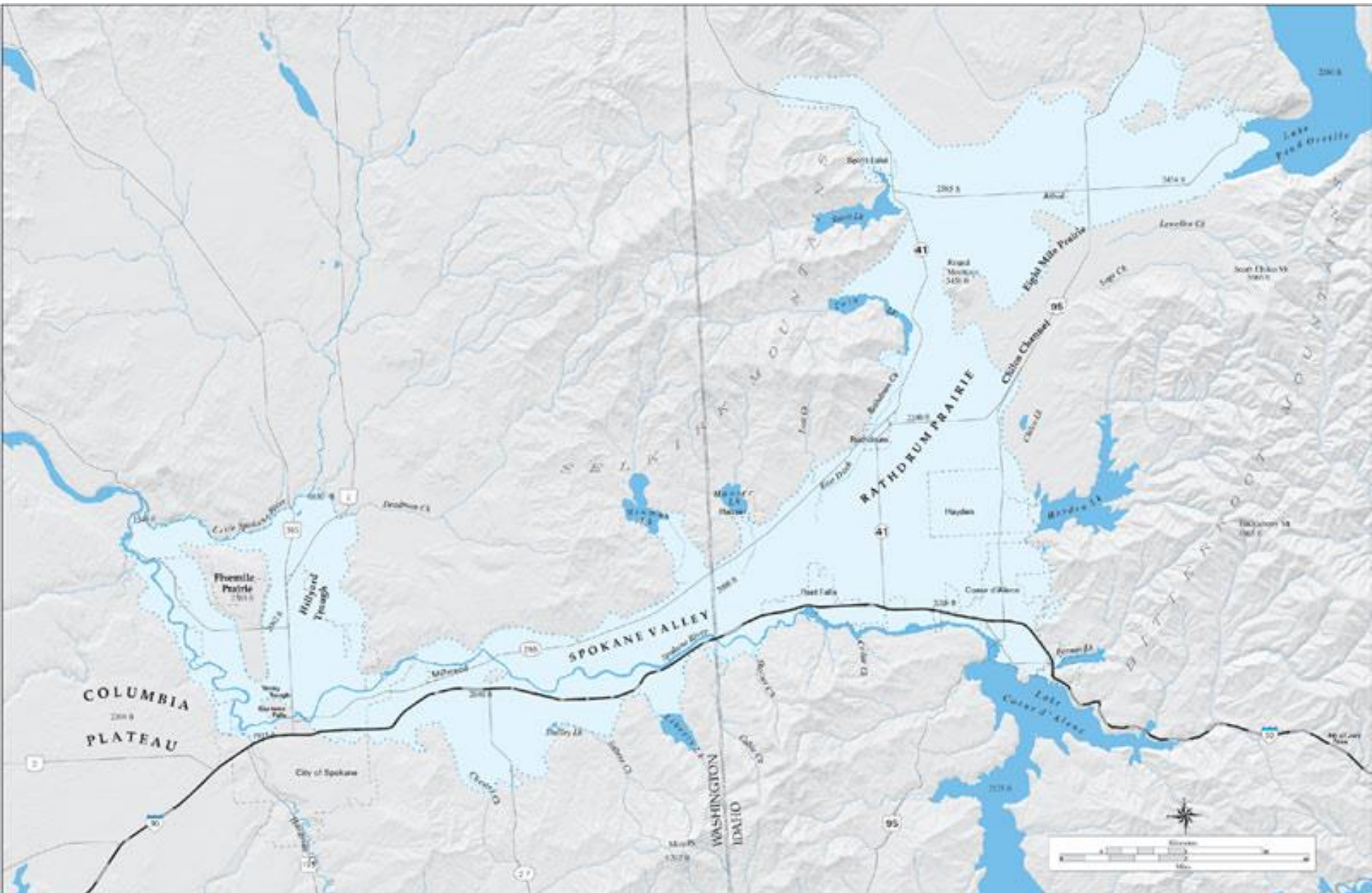


Stormwater 101

Stormwater is the leading threat to Washington's urban waters, streambeds, banks, and habitats



Aquifer Protection



Protection of fish and aquatic habitat



Wastewater Treatment

Use diagram relevant to location/type of local treatment



Stormwater System/treatment

Use diagram relevant to location



Traditional stormwater management



“Enlightened” stormwater management = Low Impact Development



Low Impact Development - streets



Low Impact Development - roof



Definitions



- Pollution generating surface
- Non-pollution generating surface
- Pollution



The goal of LID

- Improves water quality, reduces pollution, reduces flooding, preserves open space, saves money, improves aesthetics

Insert local photo

Effectiveness of LID - metals



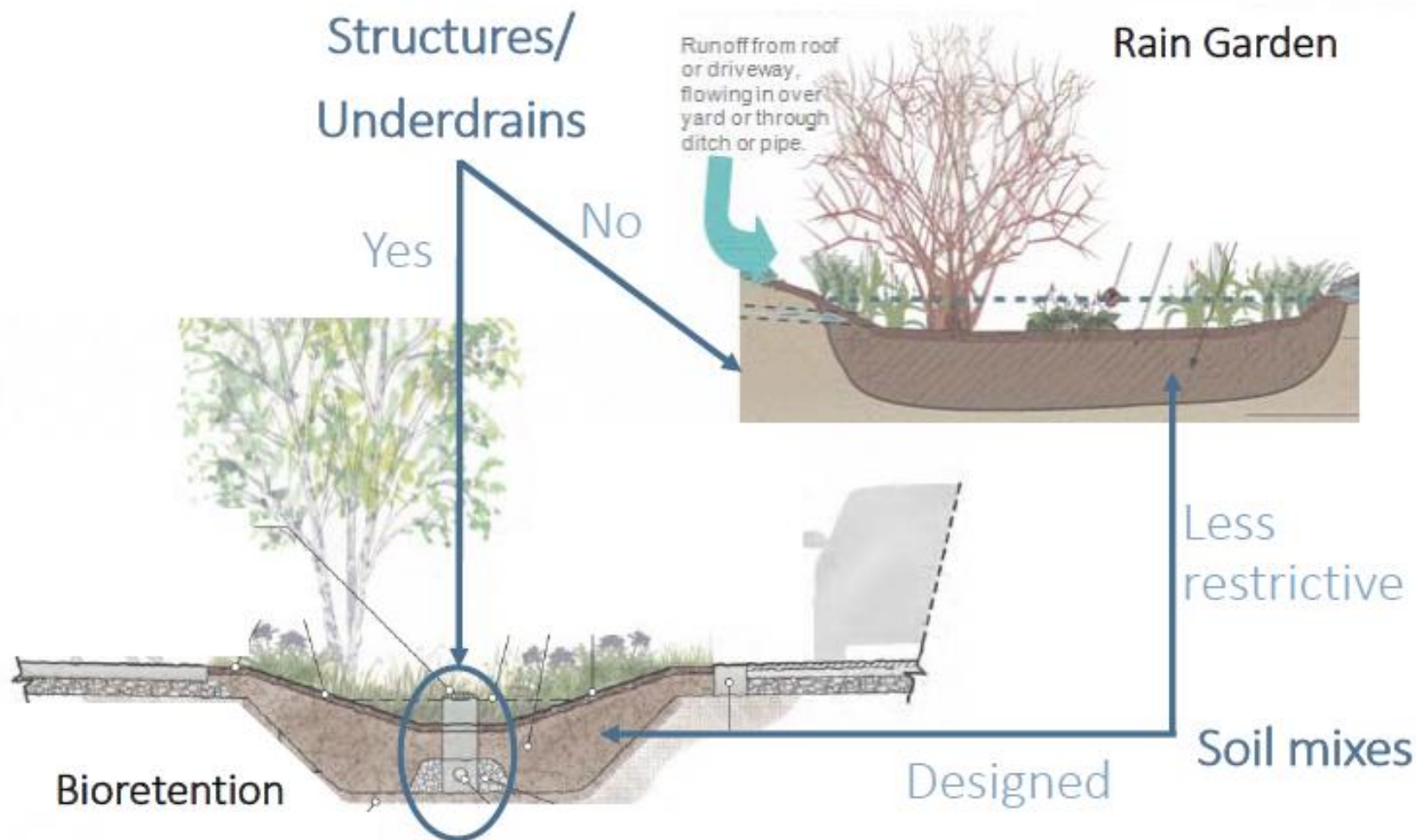
Effectiveness of LID - PCBs



Other benefits – can prevent flooding



BIORETENTION: Bioretention vs. Rain Garden



Examples of Lid – local

Insert photos of local projects, South Lincoln Street, W Broadway, Storm garden planters, Cannon Hill Park, or others



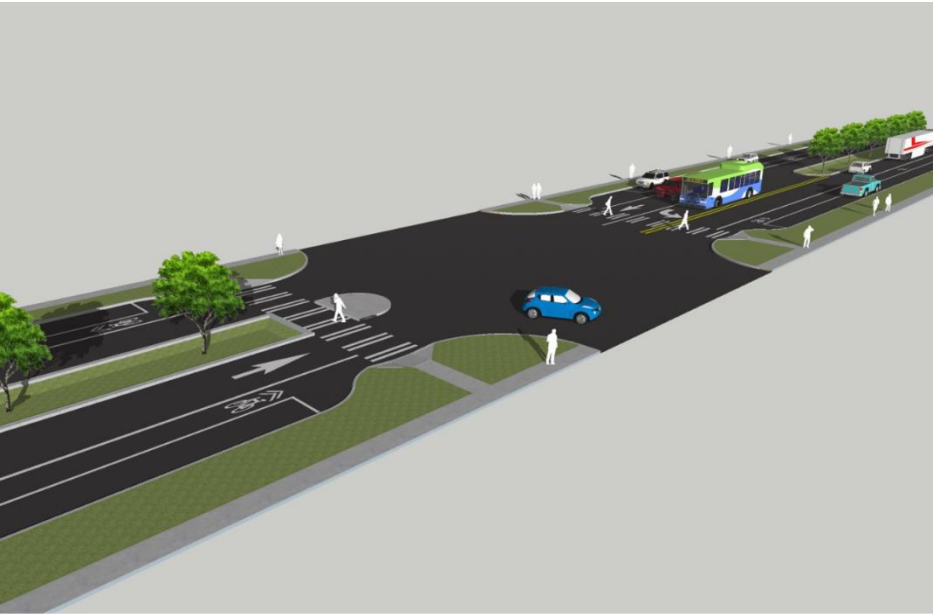
West Central Green Solutions



Examples of Lid – homeowner



Examples of LID – large



Examples of LID - municipal



Is LID required?

Spokane's stormwater ordinance encourages and incentivizes the use of LID. There are provisions for stormwater fee discounts. Pervious concrete on sidewalks and some street layouts is allowed.

Grants and other funding is often available to help small communities install LID

If considering a project, contact your planning department.

Maintenance

Regular inspection and maintenance is critical

Maintenance needs depend on upstream land use

Most common maintenance includes removal of trash, weeds, and replacement of mulch and vegetation



Whoever owns the facility should
Perform the maintenance

List of Resources

Washington Stormwater Center

Department of Ecology LID page

EPA Green Infrastructure page

City of Spokane – Stormwater Green Infrastructure

Spokane County – Low Impact Development

Idaho Department of Environmental Quality

Catalog of Stormwater Best Management Practices
for Idaho Cities and Counties

IDAHO WASHINGTON AQUIFER COLLABORATIVE

Spokane Aquifer Joint Board

Thanks for your attention!

Questions