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.

Keep it clean, clear and safe.
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
Effectiveness of LID - PCBs
Other benefits – can prevent flooding
BIORETENTION: Bioretention vs. Rain Garden

Bioretention

- Structures/Underdrains: Yes
- Rain Garden
  - Runoff from roof or driveway, flowing in over yard or through ditch or pipe.
  - Designed
  - Less restrictive
  - Soil mixes

Bioretention

- Structures/Underdrains: No
Examples of Lid – local

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