October 2020

Integrated Floodplain Management in King County

Carol MacIlroy
Floodplains by Design

Brandon Parsons, PLA

American Rivers

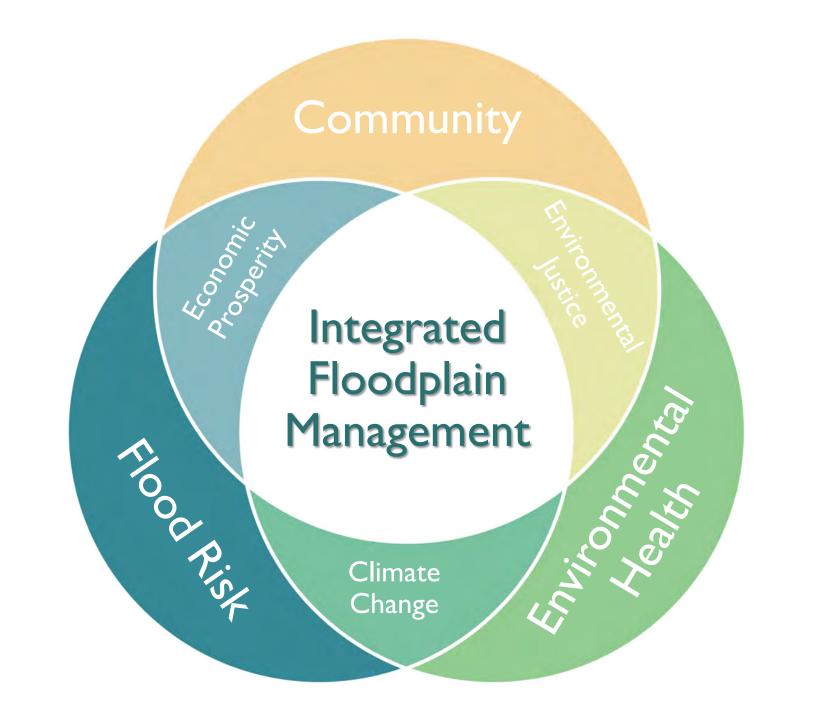
Mo McBroom
Previously of TNC





Integrated Floodplain Management

"An approach in which we move past unintended consequences and siloed management, toward a collaborative model that maximizes benefits and reduces costs to people and nature."



Integrated Floodplain Management delivers.

- More money
- More partners
- More support
- Better results
- More efficiently

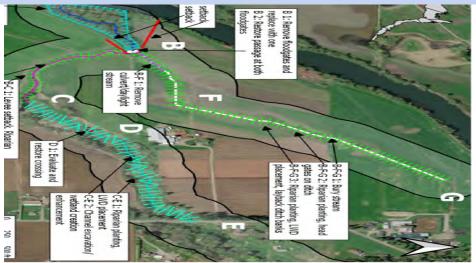




Nooksack/Whatcom County



In progress: Flood, fish, farm solution to "Lake Appel"



53M in coordinated expenditures



Conservation Futures

Flood Control Zone District

Pierce Conservation District

City of Orting

City of Sumner

Real Estate Excise Tax

Surface Water Management

Floodplains by Design 1

Floodplains by Design 2

Floodplains by Design 3

Pacific Coast Salmon Recovery Fund

Pre-Disaster Mitigation

Private

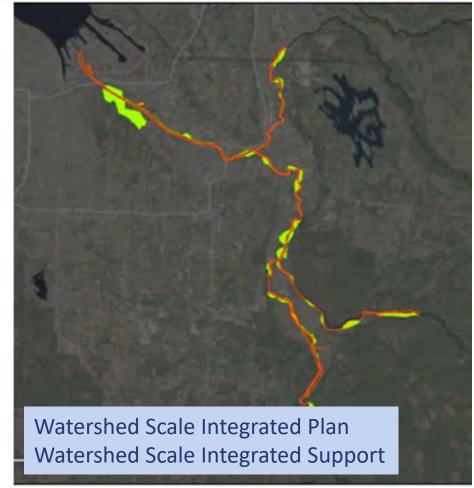
Salmon Recovery Funding Board

Terry Husseman Account

WA Department of Commerce

Organization: Flood Control Zone District Amount: \$6,465,793

Puyallup: Floodplains for the Future

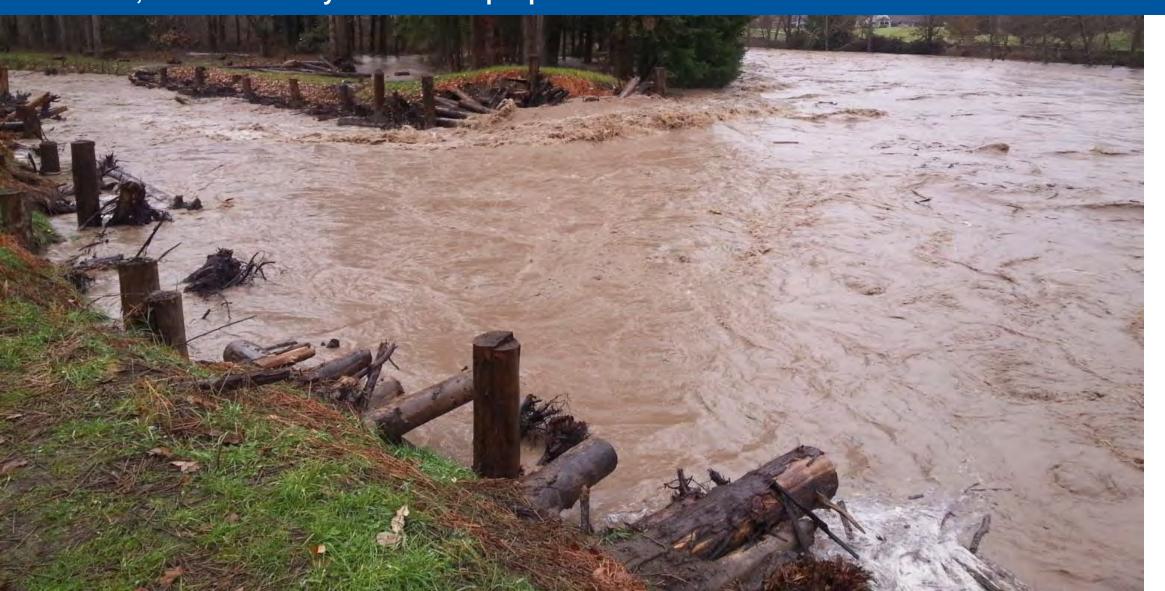




CALISTOGA LEVEE SETBACK AT WORK

2009 - 16,000 + cfs = 26,000 Orting residents evacuated

2014 – 16,000+cfs and only a handful of people evacuated



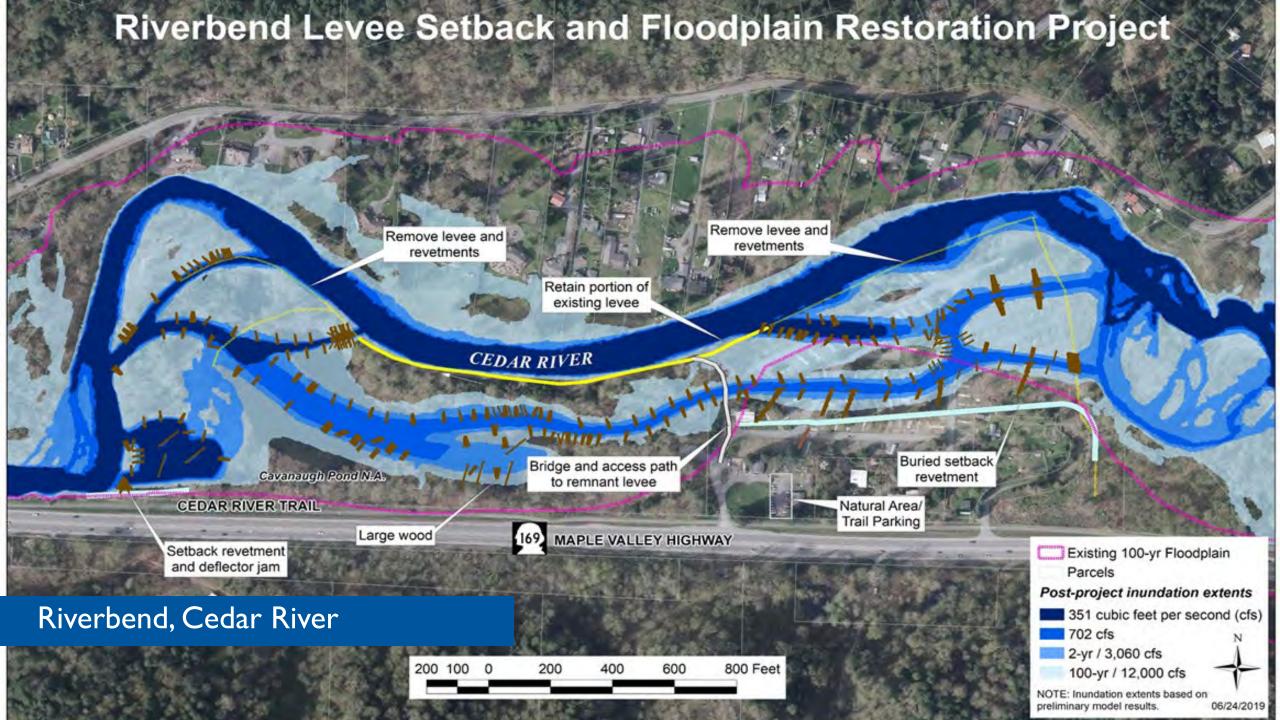


"What the city has done [is]...giving the river more space, keeping more flow in the river so that flow doesn't have to go through town. In turn, we've done a much better job now of preparing for flooding disasters."

Zane Gibson

Orting Valley Fire & Rescue









Reduced Flood Risk

NAPA, CALIFORNIA

\$1 B avoided damages PORTLAND, OREGON

\$30 M avoided damages over 100 years

TUCSON, AZ

\$69 Mayoided damages

WATERBURY, VERMONT

20% reduction in flood damage

Increased Tax Revenue and Jobs

DENVER, COLORADO

\$64 M

new property tax revenue annually

NAPA, CALIFORNIA

1,248
permanent jobs

TORONTO, ONTARIO

\$373 M

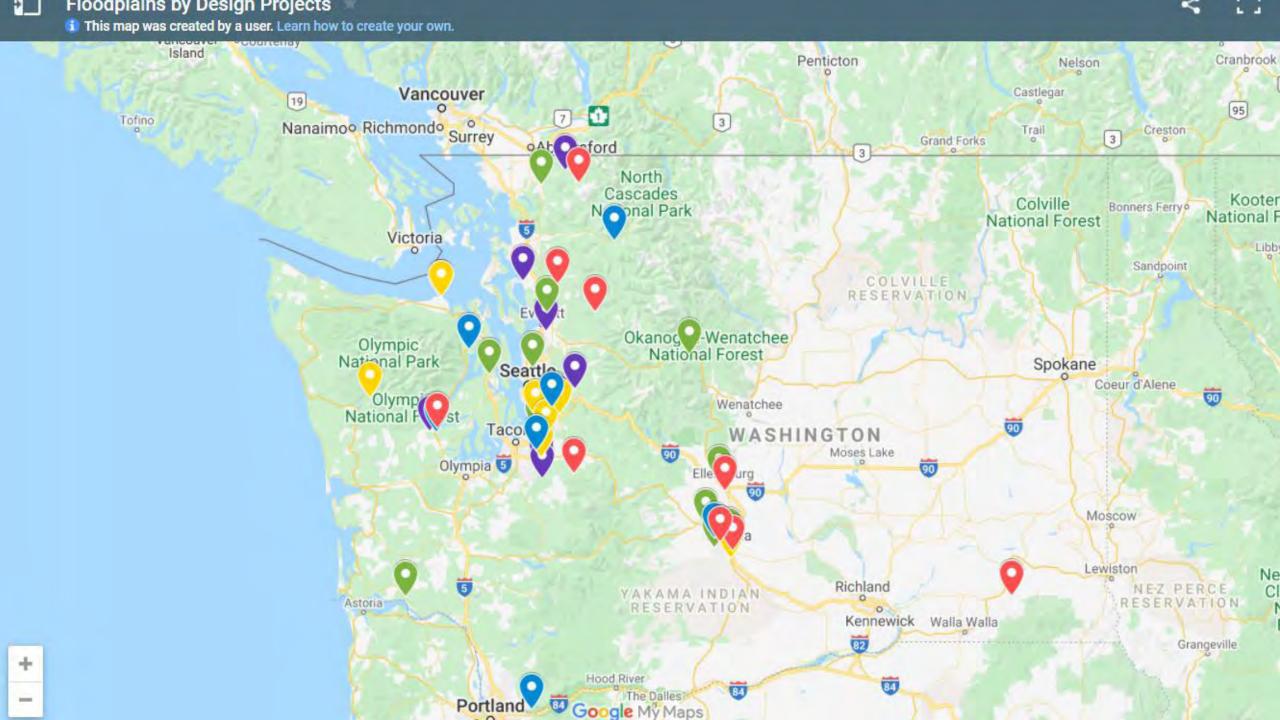
new property tax revenue

KING COUNTY, WASHINGTON

24

full time jobs





Floodplains by Design Funding

\$165 million since 2013 - \$44 million in King County

- ✓ \$4,103,000 Lower Cedar Mobile Home Relocation
- ✓ \$3,328,000 Snoqualmie at Fall City Floodplain Restoration
- ✓ \$4,901,000 –Lower Green Levee Improvements & Habitat Restoration*
- ✓ \$3,649,000 Porter Levee/Middle Green Flood, Habitat & Farm
- ✓ \$5,000,000 Cedar River Corridor Plan Early Implementation
- ✓ \$7,500,000 Riverbend Reach Construction Phase 1
- ✓ \$10,309,278 Restoring Snoqualmie River Floodplain Processes (Pending)
- √ \$3,326,680 Downey Farmstead Restoration (Pending)
- ✓ \$2,061,856 Pacific Right Bank Flood Protection (Pending)

* King County Flood Control District applied

Federal Programs

- ✓ FEMA and EPA promotes natural infrastructure in Hazard Mitigation Plans
- ✓ U.S. Army Corps of Engineers WRDA 2016 & 2018
- ✓ U.S. Army Corps of Engineers Engineering with Nature
- ✓ FEMA's Building Resilient Infrastructure
 & Communities (BRIC) Program



Thank you!