



DESCHUTES
SPECIAL INVESTMENT PARTNERSHIP
**ACCOMPLISHMENTS
SUMMARY REPORT**



Deschutes River Conservancy



Crooked River Watershed Council



Upper Deschutes Watershed Council



Deschutes Land Trust





Partnership Summary

Deschutes SIP initiated January 2008

- Deschutes River Conservancy
- Crooked River Watershed Council
- Upper Deschutes Watershed Council
- Deschutes Land Trust

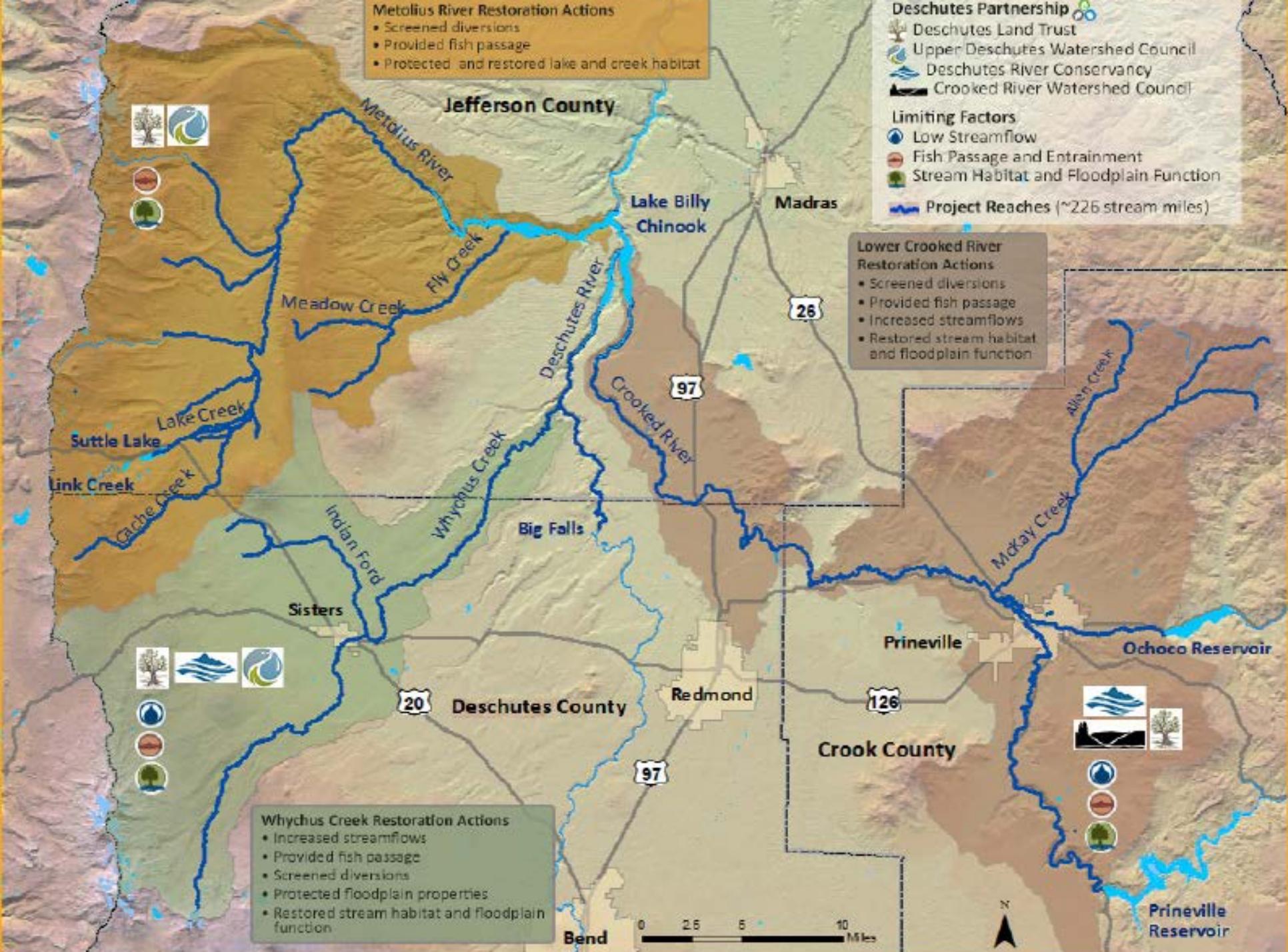
Goal:

To restore the physical and biological conditions necessary to support populations of wild salmon and steelhead in the reintroduction areas of the Upper Deschutes Basin.



Strategic Actions to Address limiting Factors

- Restore streamflow and water quality
- Improve fish migration and access to habitat
- Protect and restore stream and floodplain habitats



Metolius River Restoration Actions

- Screened diversions
- Provided fish passage
- Protected and restored lake and creek habitat

Deschutes Partnership

- Deschutes Land Trust
- Upper Deschutes Watershed Council
- Deschutes River Conservancy
- Crooked River Watershed Council

Limiting Factors

- Low Streamflow
- Fish Passage and Entrainment
- Stream Habitat and Floodplain Function

Project Reaches (~226 stream miles)

Lower Crooked River Restoration Actions

- Screened diversions
- Provided fish passage
- Increased streamflows
- Restored stream habitat and floodplain function

Whychus Creek Restoration Actions

- Increased streamflows
- Provided fish passage
- Screened diversions
- Protected floodplain properties
- Restored stream habitat and floodplain function





Action Matrix Table

Deschutes SIP Action Matrix

Watershed	Streamflow/Water Quality Restoration	Stream Habitat Protection & Restoration	Fish Passage & Screening
Whychus Creek	☾☾☾	☾☾☾	☾☾☾
Metolius River		☾☾	☾☾☾
Lower Crooked River	☾☾	☾	☾☾☾

Legend

Level	Ecological Need	Funding Emphasis
Low		☾
Medium		☾☾
High		☾☾☾



Fish Passage and Screening

Limiting Factors

- Impassable and unscreened irrigation diversions

Actions Taken

- Improved passage at diversions and road crossings
- Removed diversion dams
- Screened or decommissioned pumps and diversions

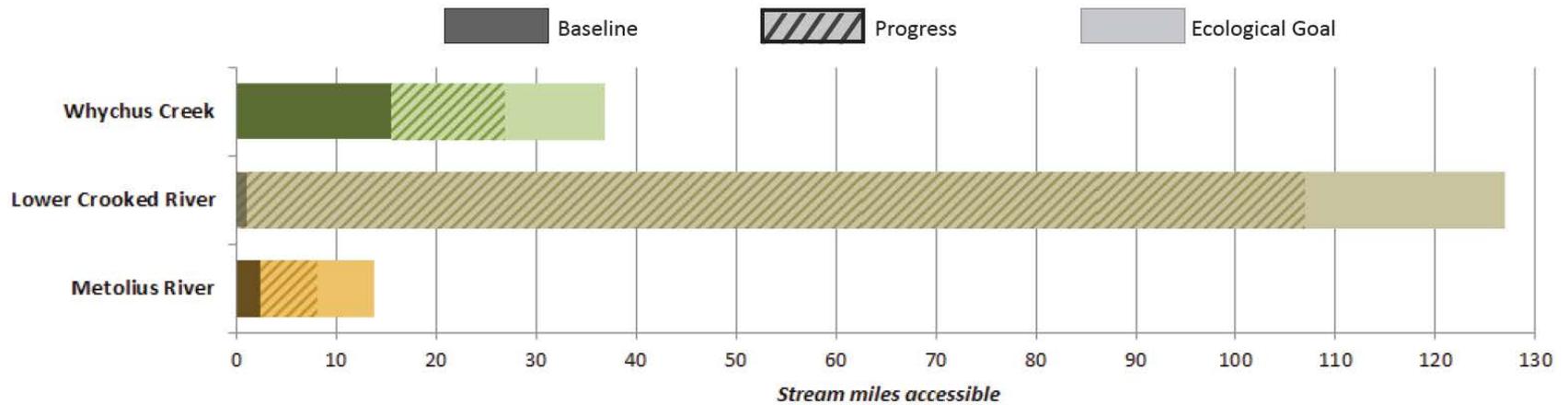
Desired Ecological Outcome

- Safe access to spawning and rearing habitats



Measuring Progress

Providing fish passage





Before

The UDWC partnered with the Sisters Ranger District to retrofit a decades-old dam to improve juvenile and adult passage in one of only two lakes in Oregon that historically supported native sockeye runs. In addition, the DLT and USFS worked together to improve passage and habitat conditions downstream of the lake to allow sockeye salmon to reach vital lake habitats to complete its life cycle.

HIGHLIGHT:

Suttle Lake

in the Metolius Watershed



After



Stream Habitat Protection and Restoration

Limiting Factors

- Channelized streams and disconnected floodplains
- Floodplain habitat threatened by development

Actions Taken

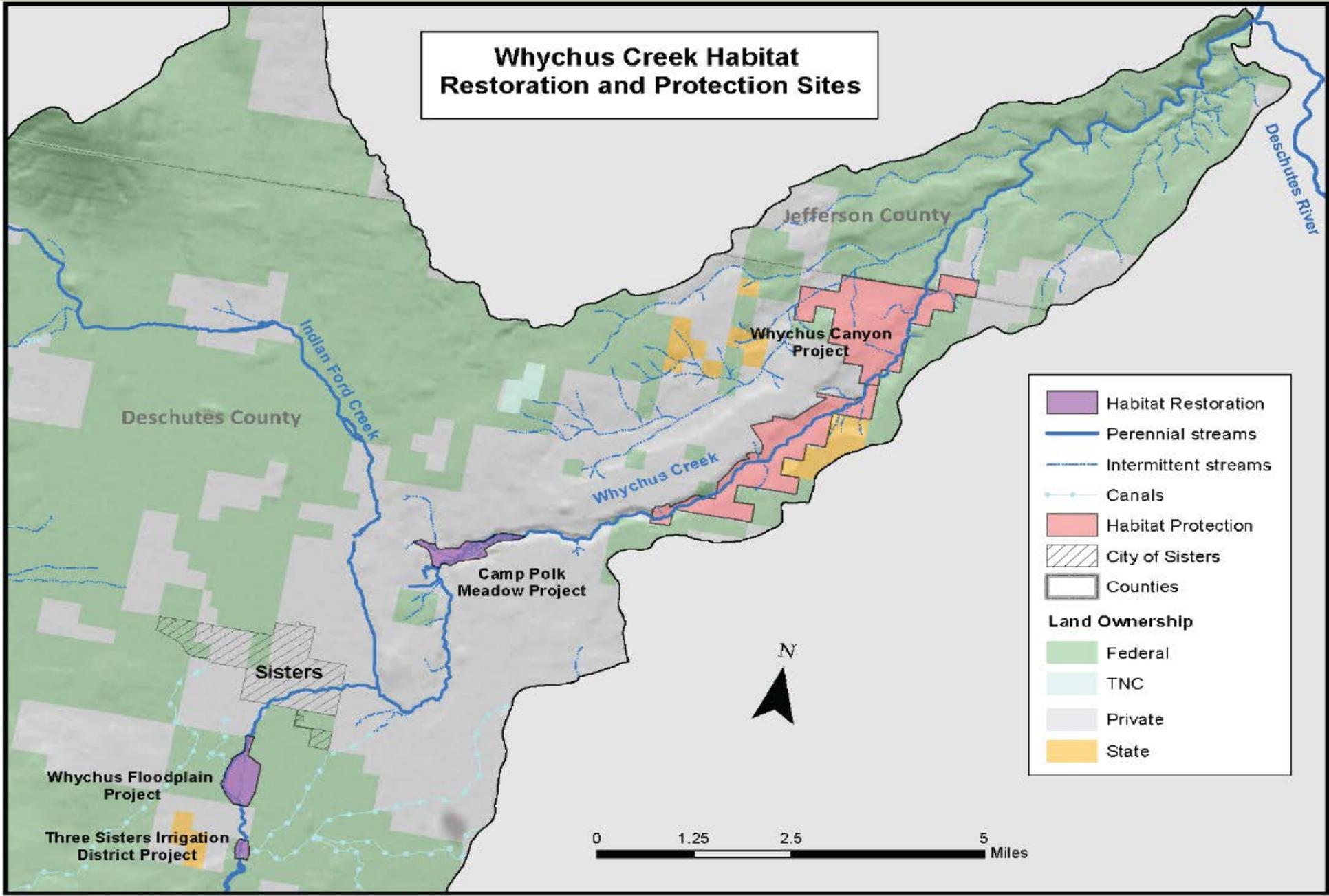
- Developed conservation easements and purchased land
- Added LWD and reconnected floodplains and side channels
- Planted riparian trees and shrubs

Desired Ecological Outcome

- Intact stream corridors of high quality fish habitat

Highlight: Whychus Creek Watershed

Whychus Creek Habitat Restoration and Protection Sites





Streamflow and Water Quality Restoration

Limiting Factors

- Elevated water temperatures
- Reduced fish spawning and rearing habitat availability
- Limited opportunities for riparian plant establishment

Actions Taken

- Acquired irrigation water rights from urbanizing lands
- Leased water rights
- Piped and lined leaking irrigation canals

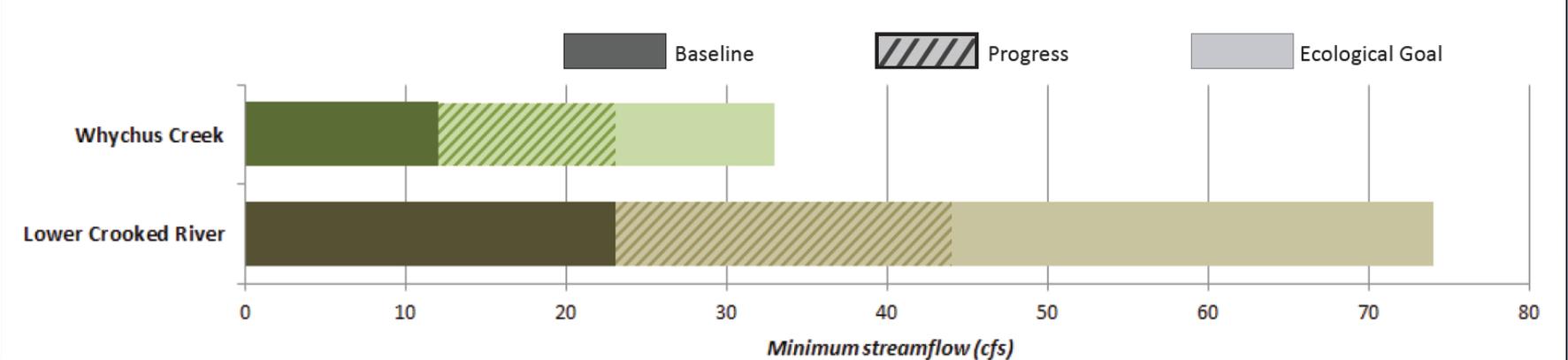
Desired Ecological Outcomes

- Improved water quality
- Healthy stream biota



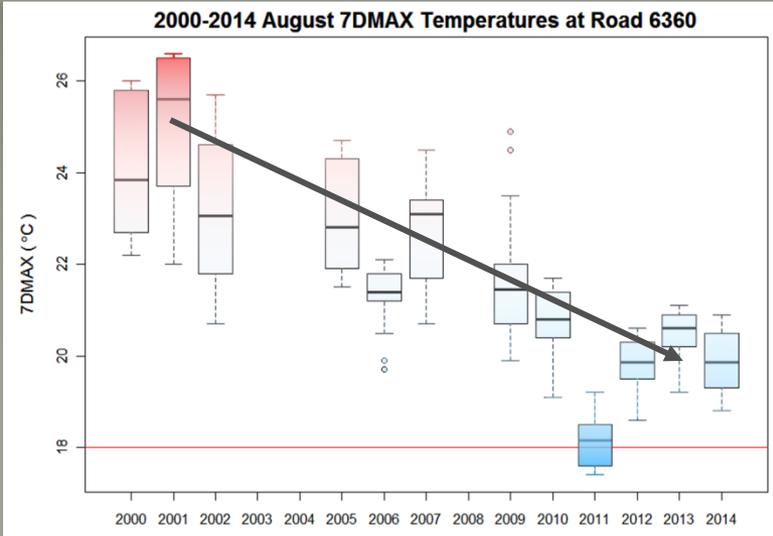
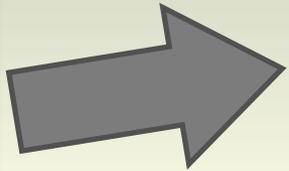
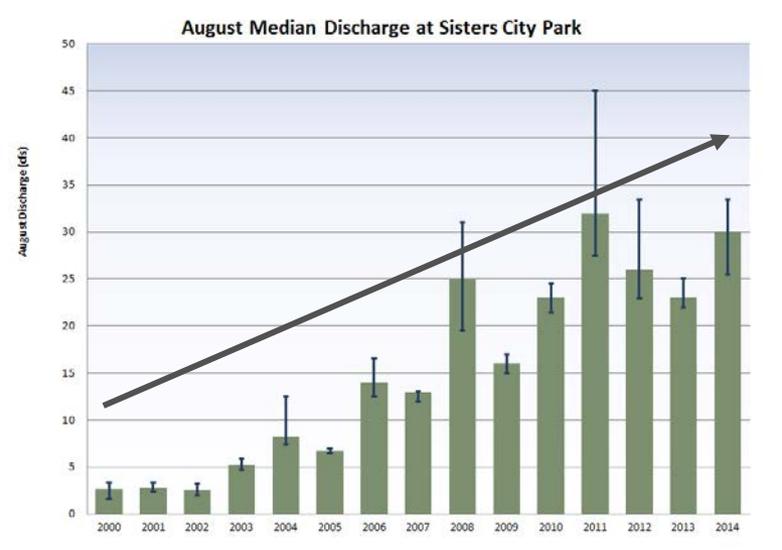
Measuring Progress

Increased Streamflow



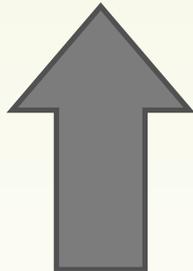
Highlight: Whychus Creek Watershed

Outcome: Reduced stream temperatures



Output: Increased Streamflow

Outcome: Thriving cold water bugs!

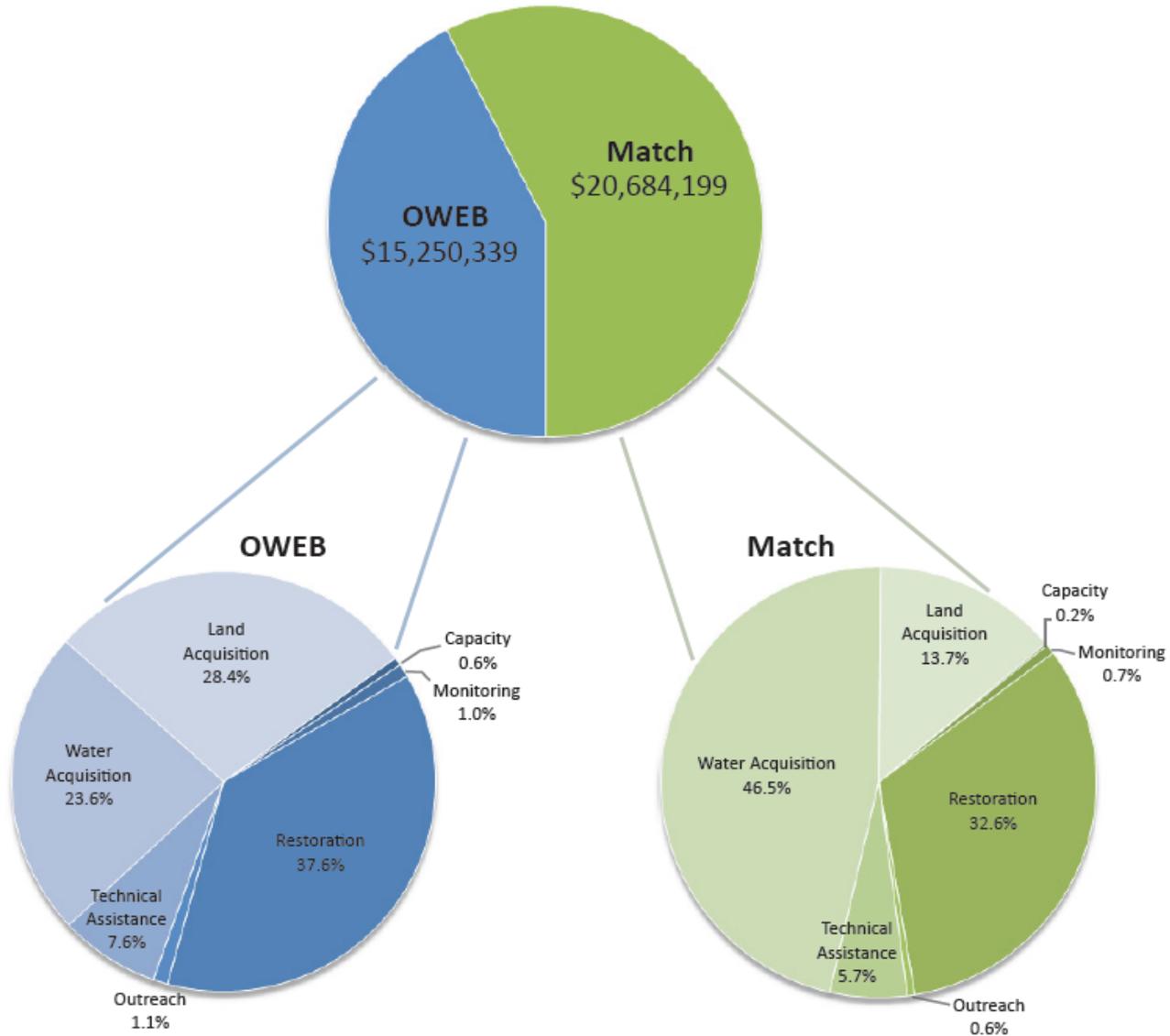


Action: Streamflow Restoration



Summary of Contributions

**DSIP Funding
(Grants Awarded 2008 - Present)**





Community and Economic Outcomes

Examples:

- Expansion of Stewardship Program to Sisters Middle School
- Local contractors establishment of restoration crews



Funder's Reflections

DSIP lessons learned have been applied to the FIP process

Examples:

- Capacity building funding available
- Development of a Strategic Plan
- Establishment of clear and measurable targets
- Monitoring component of Plan and application



Practitioner's Reflections

- Partnerships
- Projects/Programs
- Funding and Administration





Looking Ahead

