



Deschutes River Chinook Program

Past * Present * Future



The Past

- Natural impassable falls at river mile 0.5
- No anadromous passage
- Inaccessible habitat



The Past (cont.)



- Early 50's a series of 3 fish ladders constructed
- Access to 40 miles of spawning habitat
- Coho and chinook were planted
- Provide harvest in commercial and sport fisheries

The Past (cont.)

- Tumwater Falls Park
- 1964 an adult salmon collection facility
- Park owned and operated by Olympia Tumwater Foundation
- 10,000 Visitors per month



1980's Production



- 12 million sub-yearlings
- 1 million yearlings
- Raised in Percival Cove
- Flood control measures
- Poor survival (early releases)

Photo provided by Doug Loucks

Present



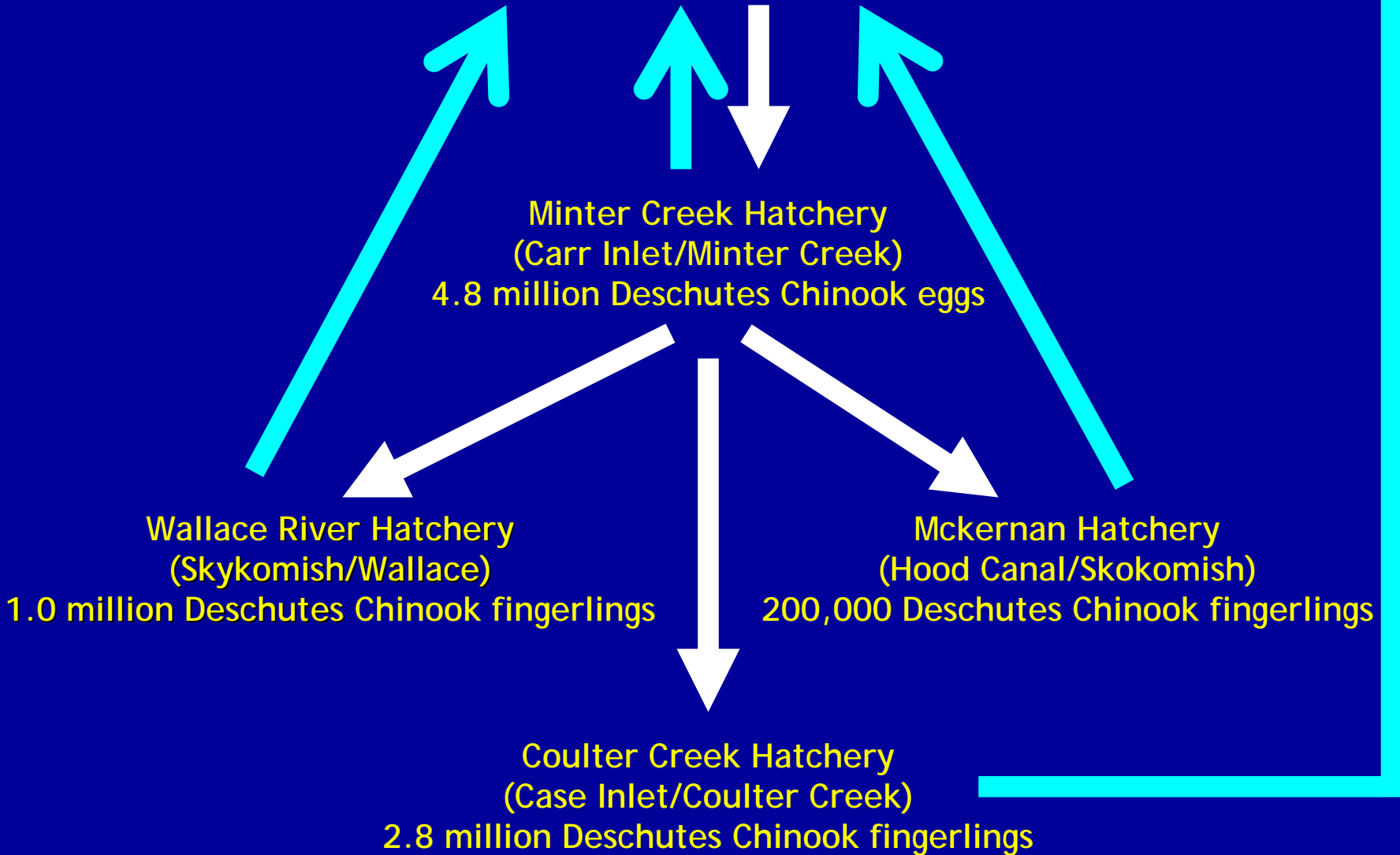
- Collection of chinook salmon eggs to support current program
- Coho, cutthroat and steelhead enumerated and passed upstream
- Annually release 200,000 yearlings and 3.8 million sub-yearling chinook

Present (cont.)

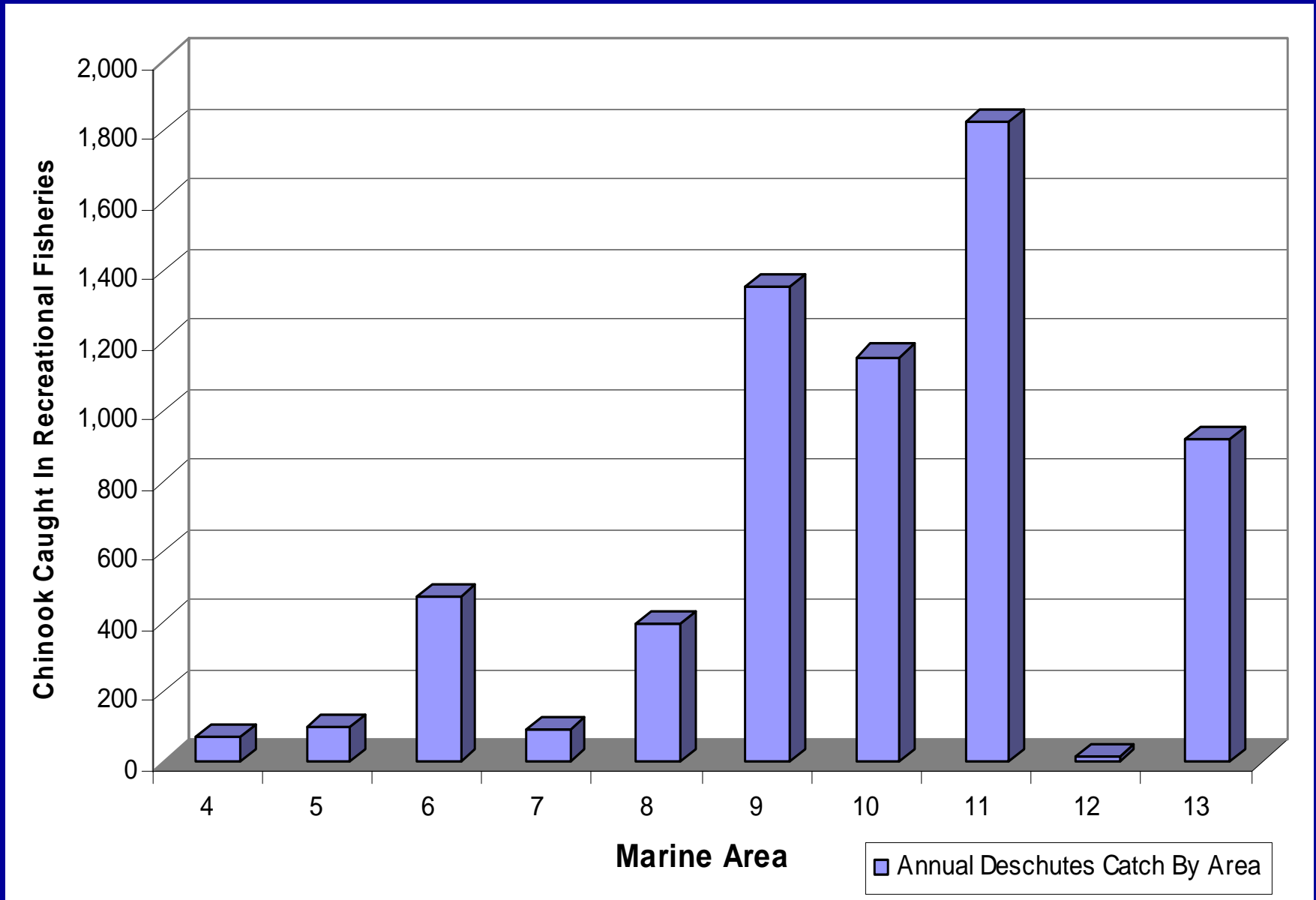
- Space constraints
- Limited infrastructure
- Production reared outside watershed



Deschutes Eggs



Estimated Deschutes Chinook Caught Annually in Marine Areas 4 thru 13
Information Compiled From The Coded Wire Tag Database RMIS (Yearlings
and sub-yearlings combined)

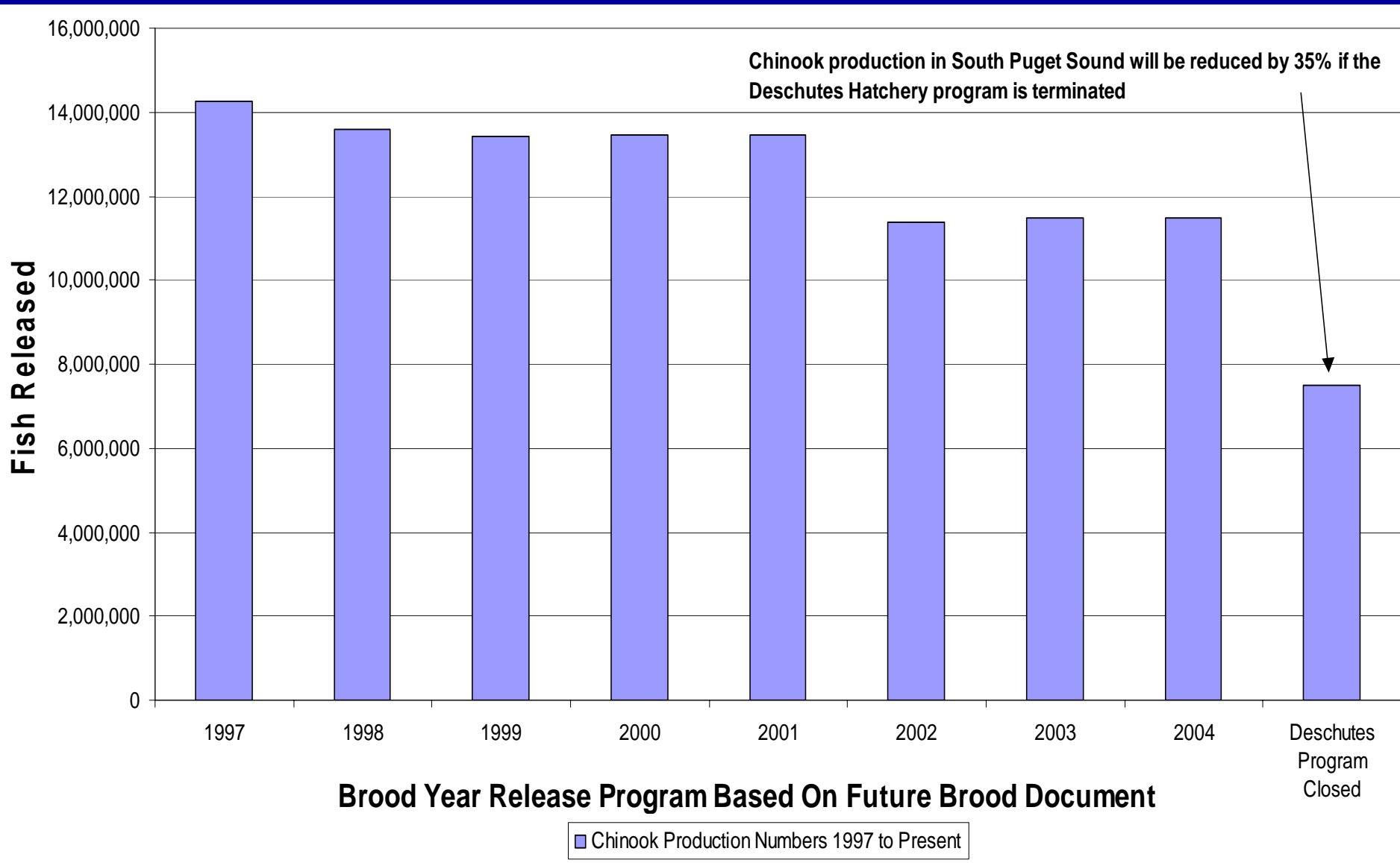


Harvest Opportunity



- Approximately 12,700 harvested annually
- Economic activity related to harvest \$720,000 annually

South Sound Chinook Production Reductions



HSRG Recommendations

- Develop long-term plans for rearing and release facilities (adequate water and pond space)
- Eliminate out-of-basin transfers...be consistent with co-managers' disease policy
- Eliminate net pen production at Percival Cove
- Meet local, state, and federal water quality standards
- Develop a strong educational component involving local partnerships

Deschutes Master Plan Part II



Final Site Assessment and Master Plan

Objectives of Project

Comply with:

- **State and Federal Water Quality Standards**
- **Co-Managers Fish Health Disease Policies**

Maintenance and Enhancement

- **Continued harvest opportunities**
- **Economic Benefits**

Outreach and Education

- **Provide Watershed Learning Center**

Expenditures and Requests

- \$500,000 for studies and assessments
- \$10,500 donations (educational kiosk)
- \$850,000 supplemental budget request (design and permitting)
- Future costs to be determined by final design

Tumwater Falls Park

- Fish ladder (existing)
- Adult collection and holding facilities (enhanced)
- Egg collection facilities (enhanced)
- Fingerling rearing program (enhanced)
- Connecting trail to Pioneer Park (new)
- Visitor facilities (enhanced)
- Effluent treatment facilities (new)
- River pump station (enhanced)



Figure 5-7. Tumwater Falls Park Conceptual Site Plan

8-1-02 0 30 60 120'

New Facilities at Pioneer Park

- Incubation
- Fry/fingerling rearing program
- Yearling program
- Steelhead yearling program
- Recreational fishing program
- Educational/community use facilities
- Integrate Deschutes River watershed activities
- Deschutes River trailhead

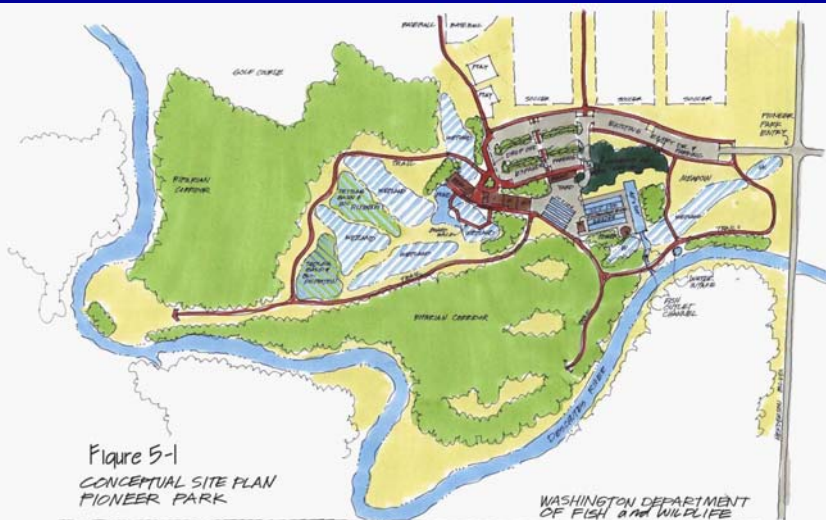


Figure 5-1
CONCEPTUAL SITE PLAN
PIONEER PARK

WASHINGTON DEPARTMENT
OF FISH AND WILDLIFE

DESCHUTES WATERSHED CENTER
THE PORTICO GROUP - FISHPRO 8-1-02



Partnerships

Tumwater Parks and Recreation

Olympia Tumwater Foundation

Squaxin Island Tribe

Trout Unlimited

Puget Sound Anglers

Friends Of The Deschutes Watershed Center

South Sound Salmon Enhancement Group

Tumwater School District

Northwest Indian Fisheries Commission