

Chambers Creek Hatchery Production

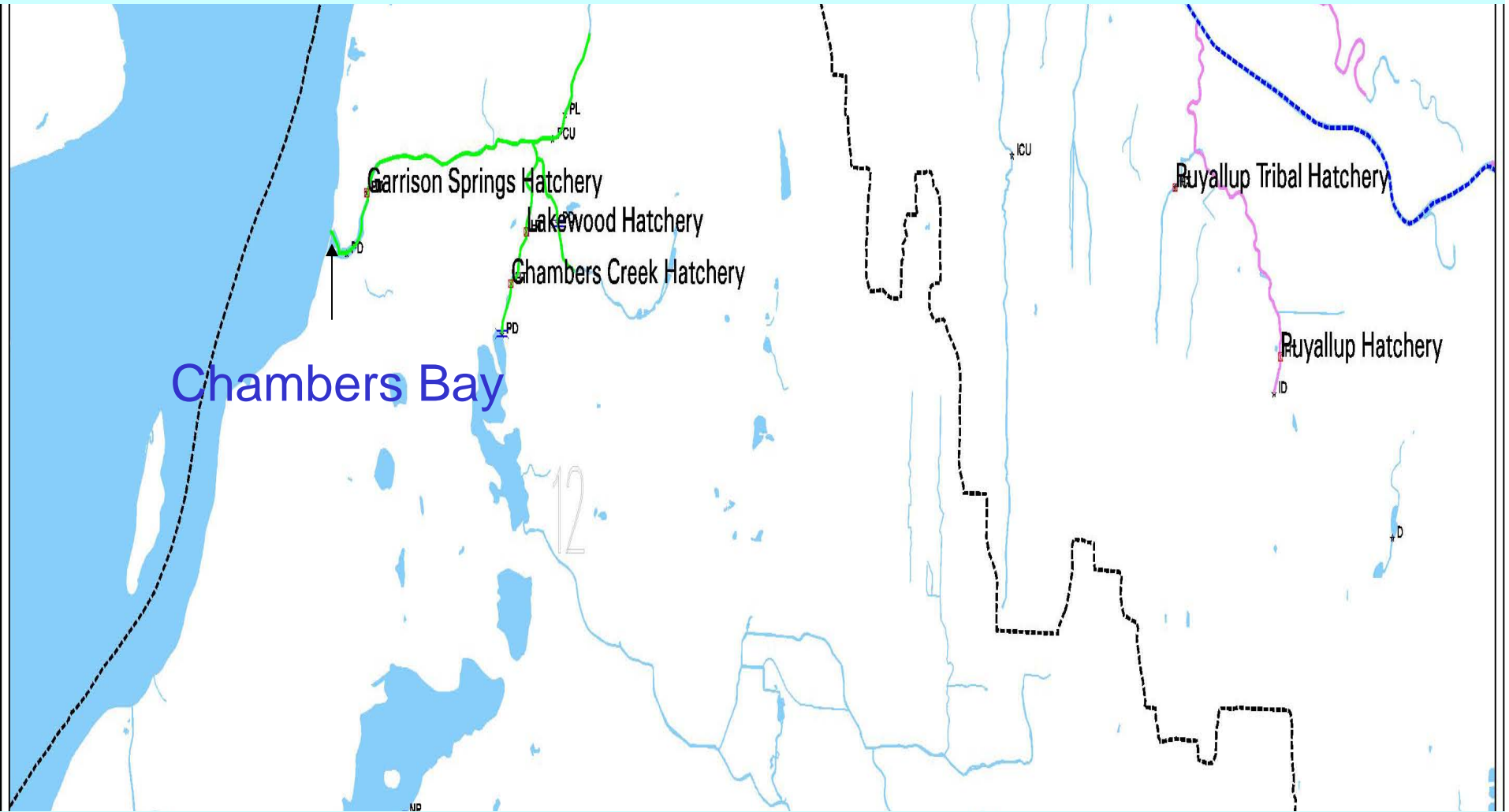
Historic and Present Programs



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Chambers Creek Hatcheries



Hatchery Program Goals

- ❑ Provide chinook salmon opportunities in Puget Sound and Ocean fisheries.
- ❑ Raise and release yearling and sub-yearling fall chinook smolts at appropriate size and time to maximize survival and minimize stream residence.
- ❑ Minimize passage delays for naturally produced Chambers Creek coho, chum and steelhead.

Historic Fall Chinook Production

- ❑ WDF planting records document local chinook seapen and lake production that likely contributed chinook spawners to Chambers Creek, as early as 1959.
- ❑ Chinook production at our present facilities began in 1972.

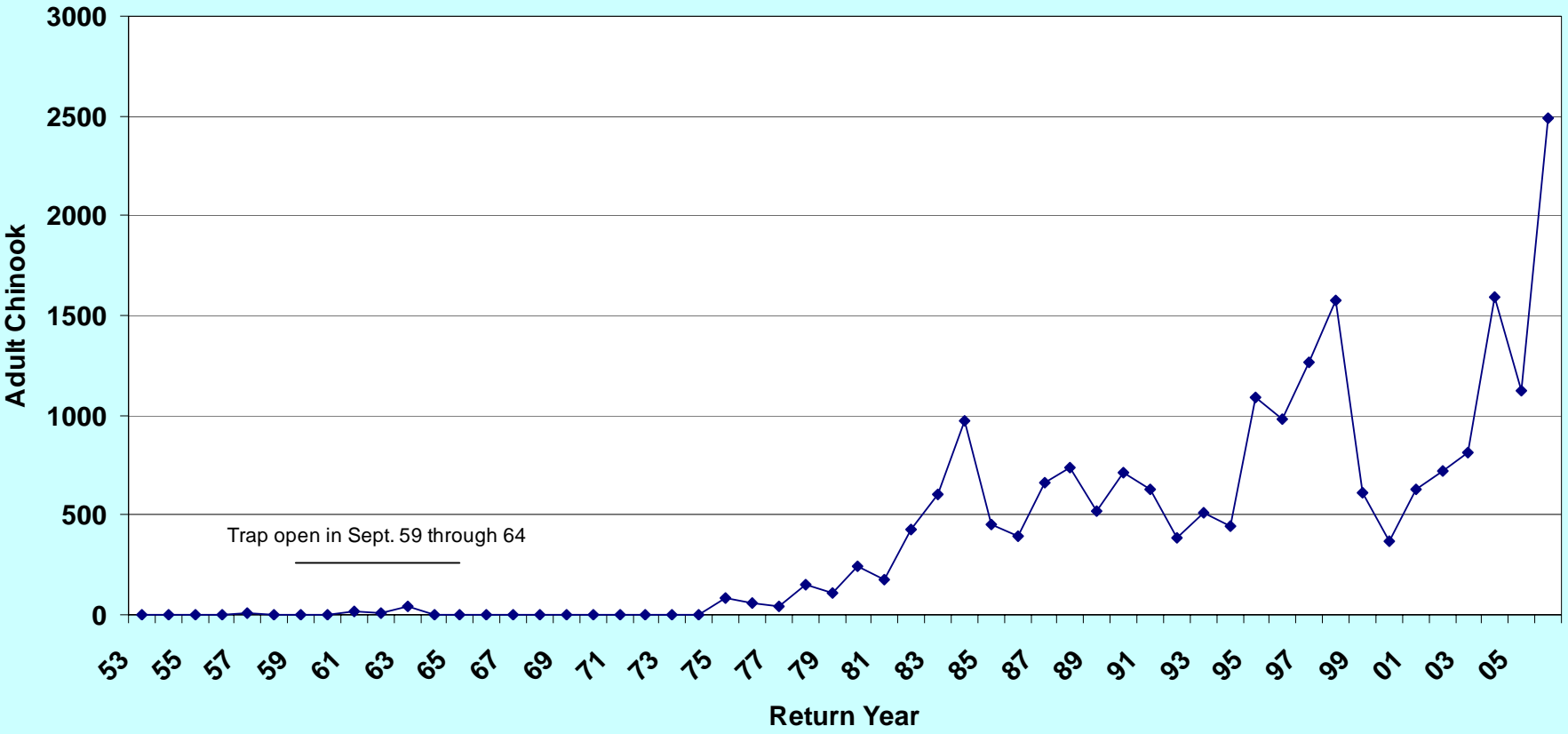
Current Hatchery Chinook Program

- Garrison Springs**
1,300,000 sub-yearlings

- Lakewood**
130,000 yearlings

- Chambers Creek**
70,000 yearlings

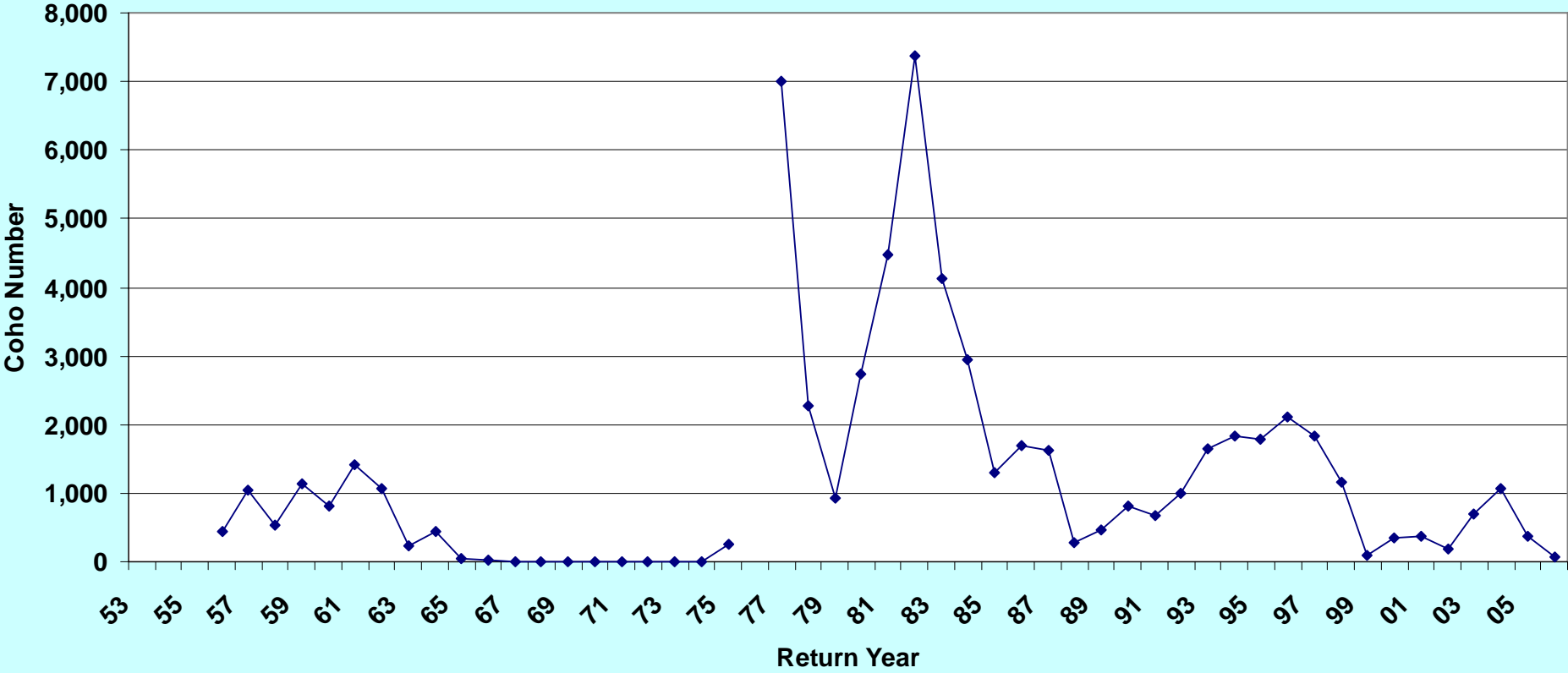
Historical Fall Chinook Counts At Chambers Creek Trap



Historic Coho Production

- ❑ WDF planting records document intermittent coho releases into Chambers Creek between 1954 and 1974.
- ❑ Beginning in 1975, 98% of coho releases in the vicinity, was Sequalitchew Lake production (Minter Creek stock).
- ❑ The last hatchery coho release in this basin was in 2001.

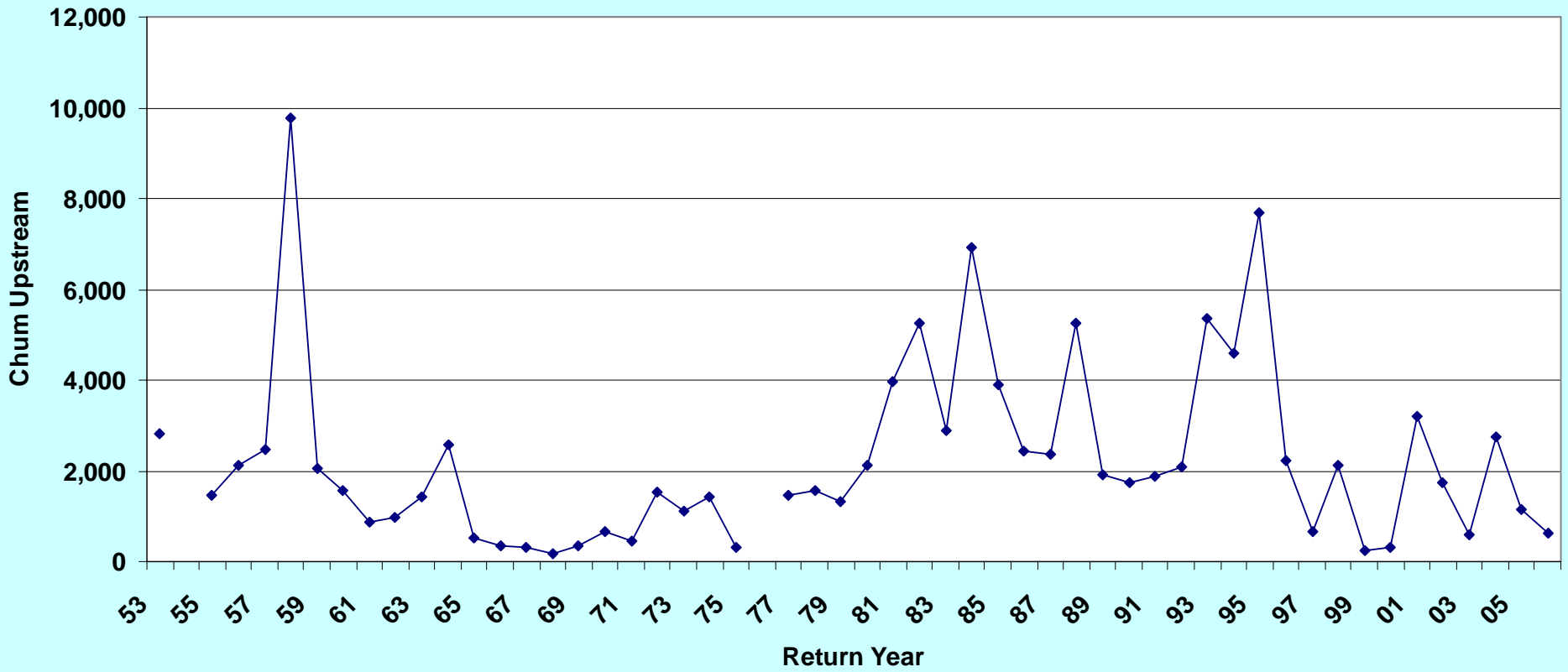
Historical Coho Counts At Chambers Trap



Historic Chum Production

- ❑ WDF planting records document non-native fall chum fry plants into Chambers Creek between 1959 and 1982.
- ❑ Since 1982, all chum releases in the basin have been local late stock. These releases have been in the form of cooperative fry plants. The last egg box plants ended in 2000.

Historical Winter Chum Counts Of Fish Passed Upstream At Chambers Trap



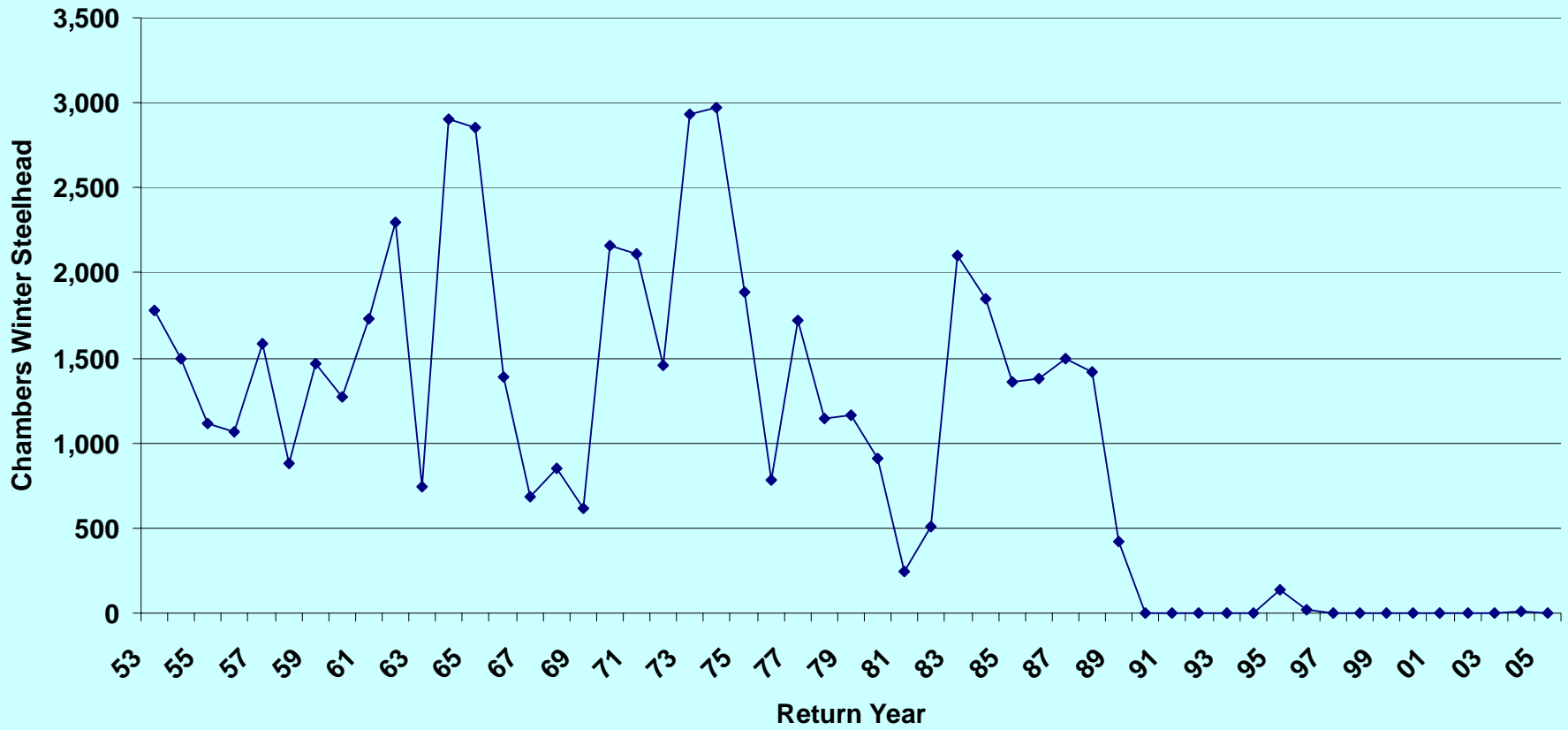
Winter Steelhead Production

- ❑ Steelhead propagation began in the 1920's and continued with brief interruptions through 1997
- ❑ Over several generations the Chambers Creek stock was manipulated to favor early return timing

❑ Using the warm water at Lakewood and Chambers Creek Hatchery progeny of the early run provided a smolt for release at the right size and time in one year instead of two

❑ The early returning stock provided spatial separation between wild and hatchery fish

Historical Steelhead Counts At Chambers Creek Trap



Future Plans



An HSRG review conducted in 2002 recommended the facility be rebuilt in order provide for proper acclimation time for juveniles, better broodstock handling and passage for naturally produced fish

Chambers Creek Adult Trap and Juvenile Acclimation Facility Improvements

Part I – Feasibility Study

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A major rebuild of the current hatchery facility is needed



