Cutthroat Trout As Successful Urbanites

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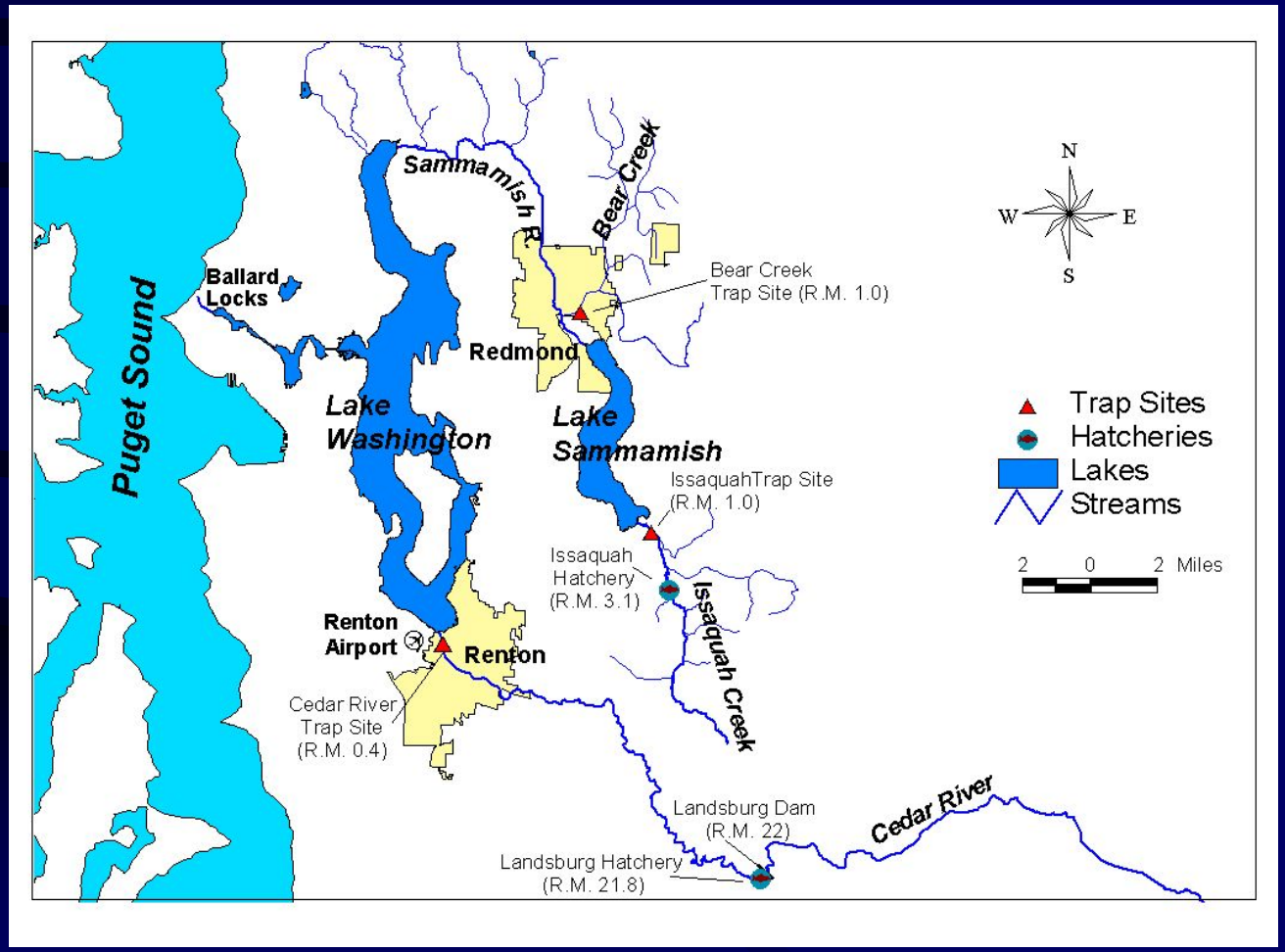
Location of Trap Sites:
Cedar River & Bear Creek



Coho adult

Coho fry

Big Beef Creek upstream/downstream migrant trap

Bingham Creek downstream migrant trap

Skagit River screw & scoop traps, near Mt Vernon

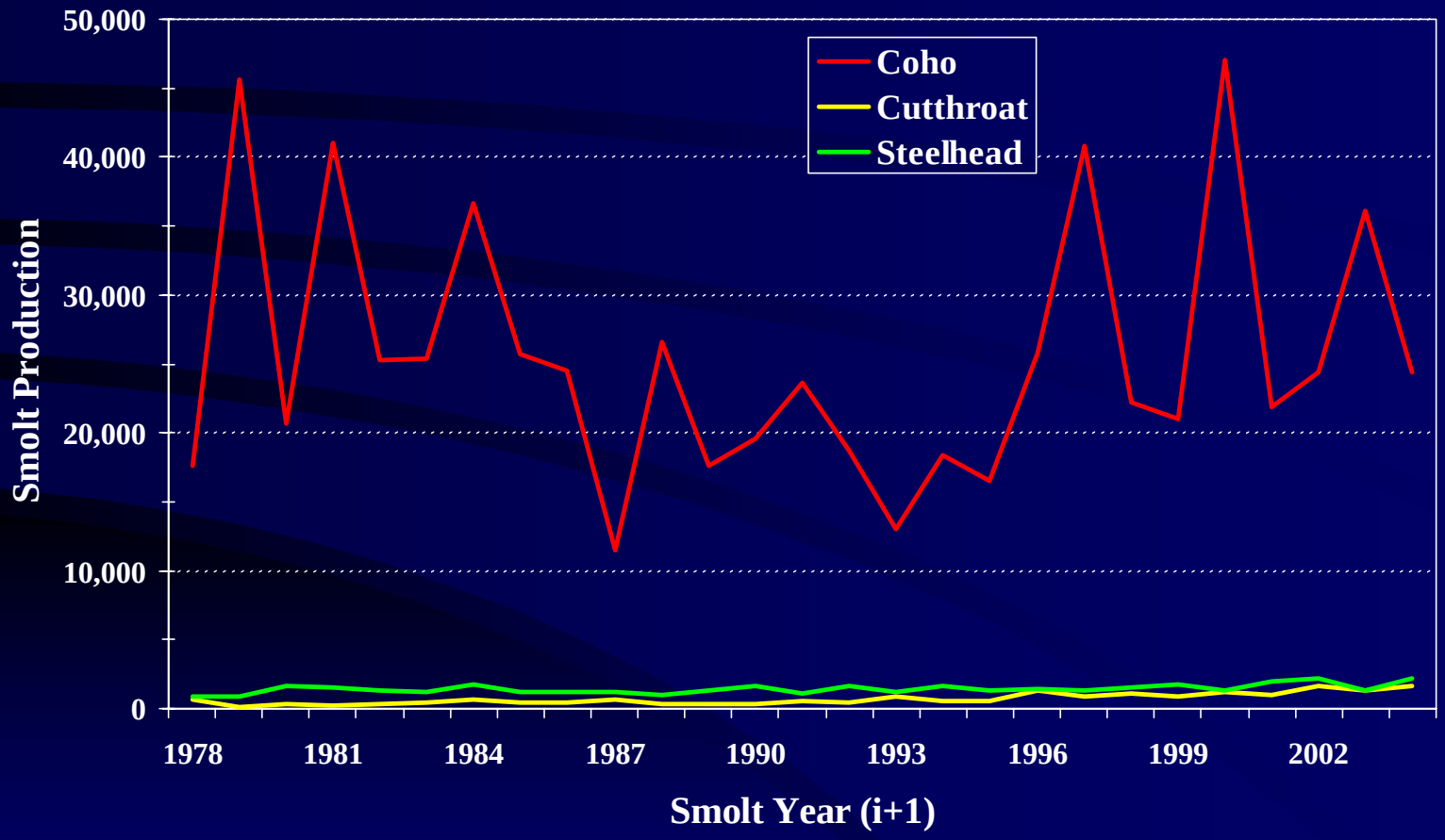
Cedar River Screw Trap

Big Bear Creek
Screw Trap

Thornton Creek fence trap

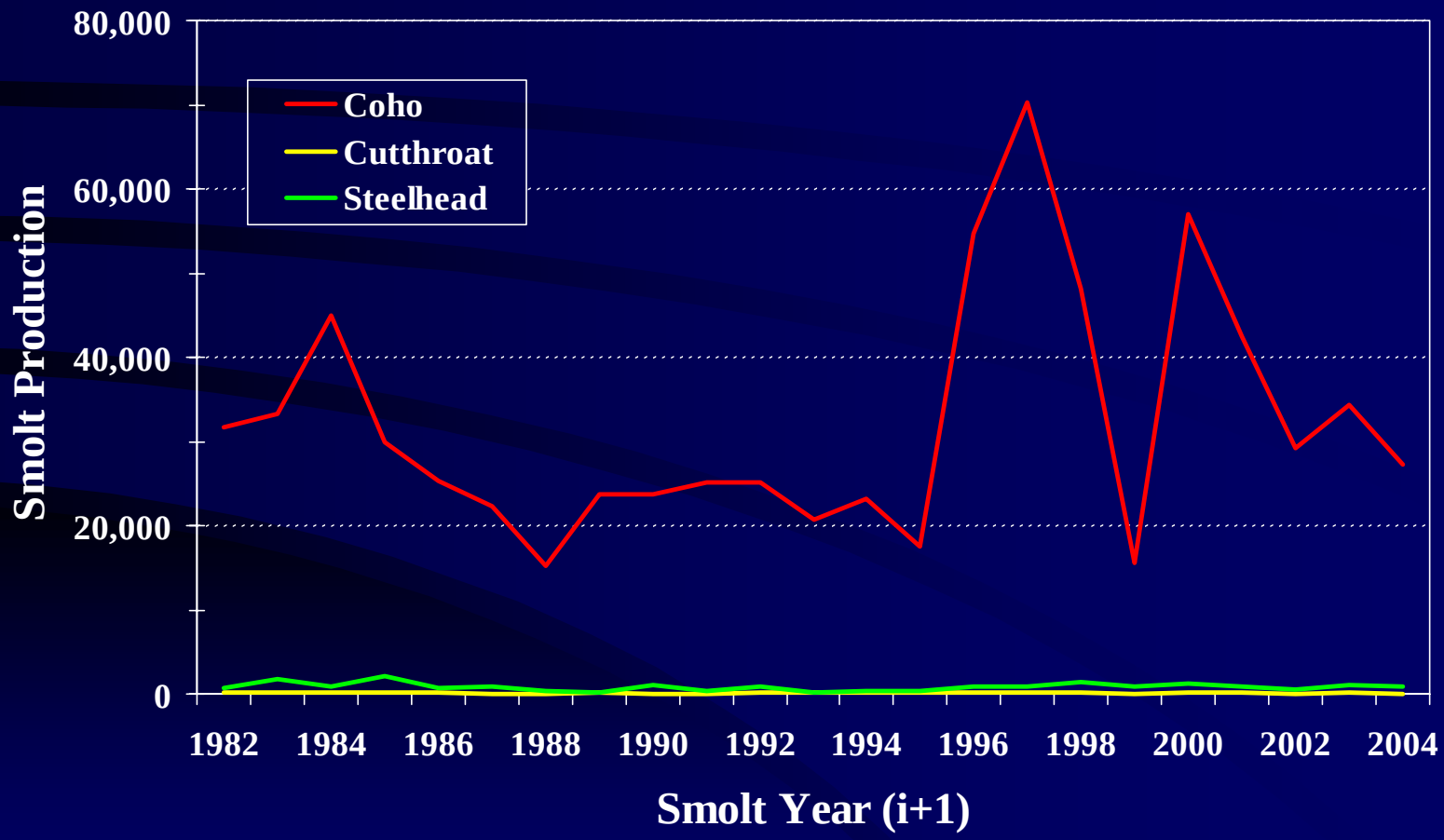
Big Beef Creek Smolt Production

Coho, Cutthroat & Steelhead 1978-2004

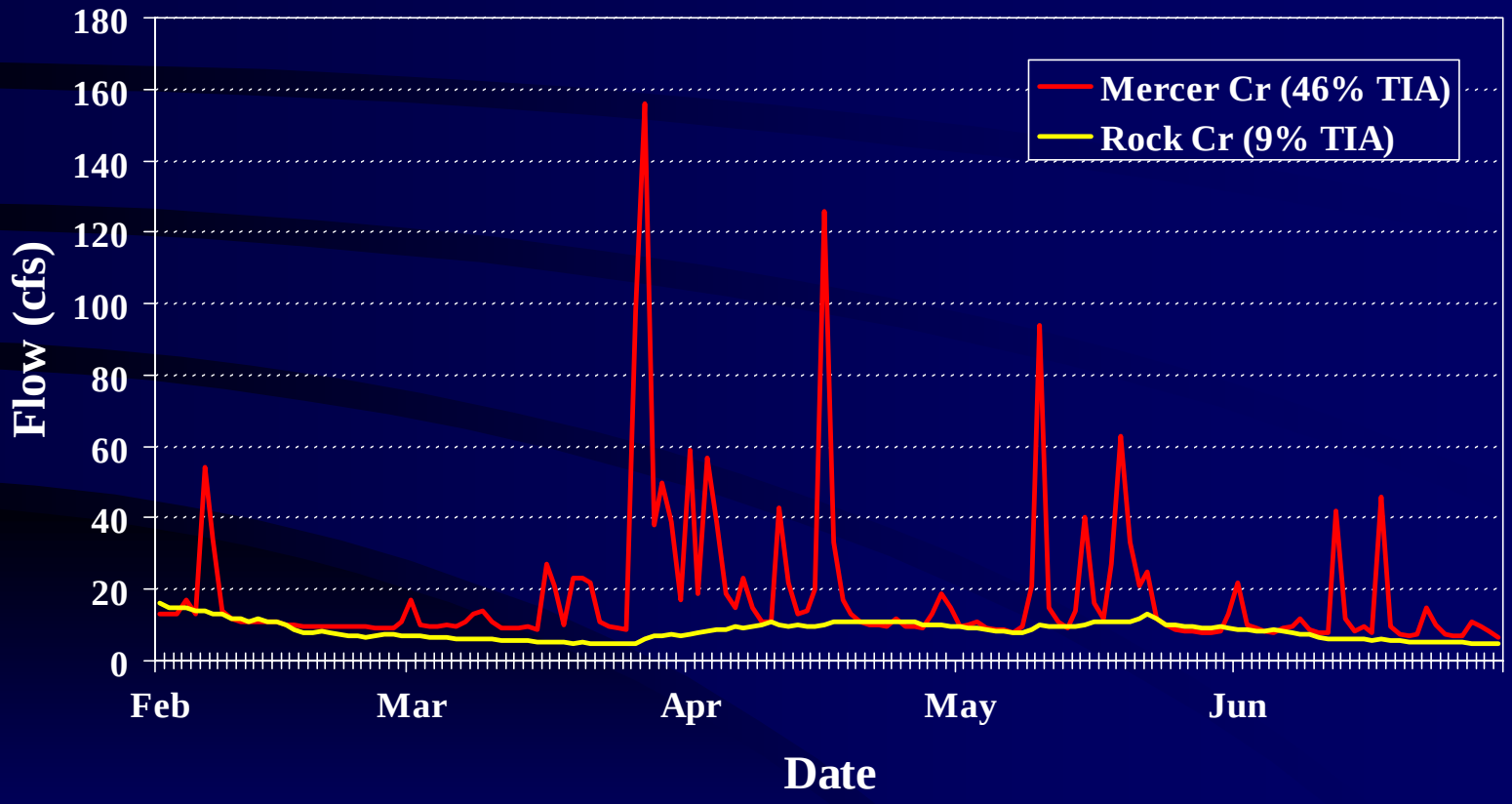


Bingham Creek Smolt Production

Coho, Cutthroat & Steelhead 1982-2004



Flow Comparison of Two Lake Washington Tributaries Mercer Creek & Rock Creek, 2005

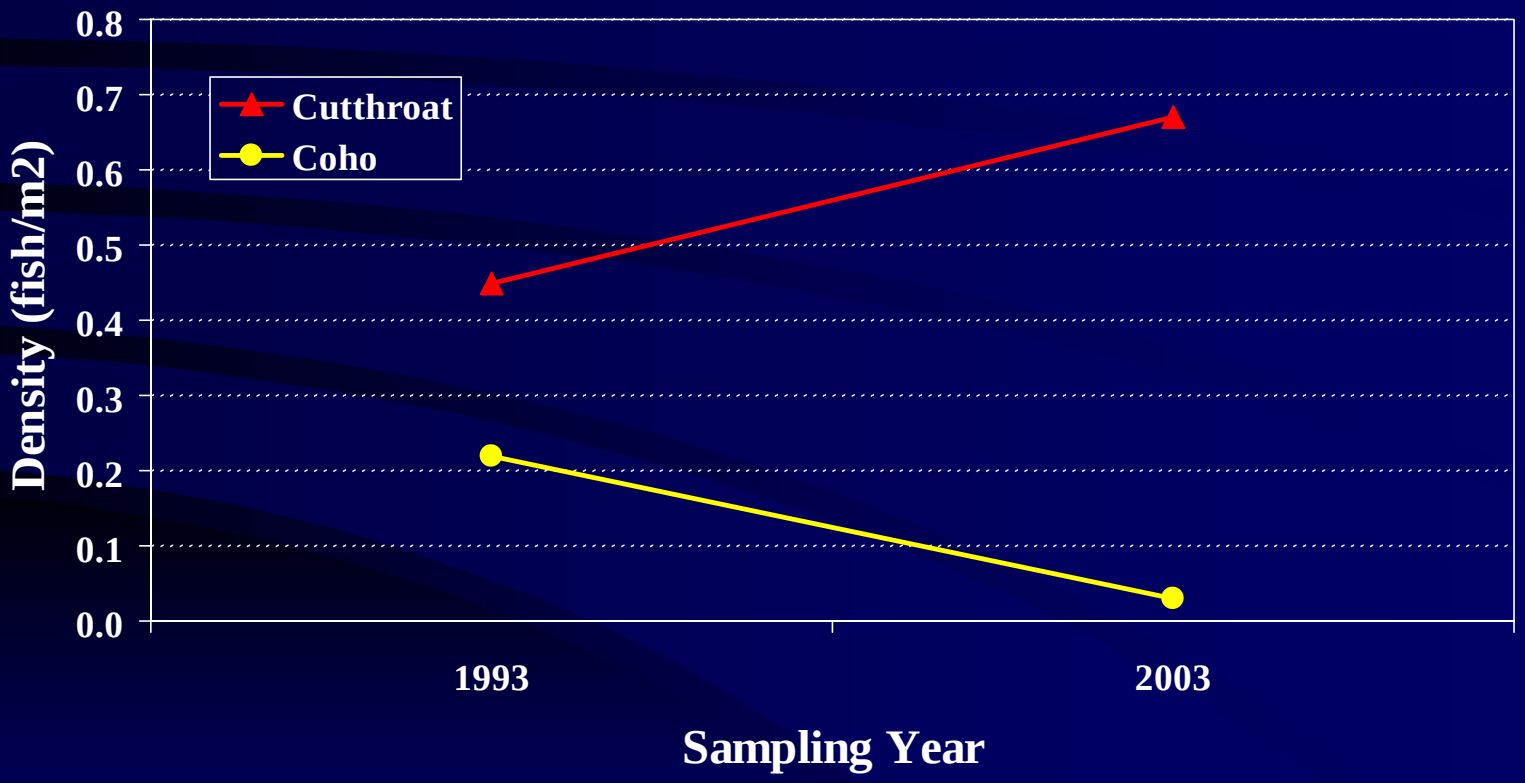


Outmigrant Population Ratios for Western Washington Streams & %TIA

Stream	%TIA	Trapping Years		Ratios		
		Span	Number	Coho	Steelhead	Cutthroat
Big Beef Creek	5%	1978-2004	27	36	2	1
Bingham Creek	<5%	1982-2004	23	265	7	1
Skagit River	<5%	1990-2004	15	27	3	1
Green River	~5%	2000-2004	5	335	88	1
Lake Washington Tributaries						
Then						
Little Bear Creek	Low	1976-1978	3	88	2	1
North Creek	Low	1976-1978	3	81	3	1
Average				85	3	1
Now						
Cedar River	~5%	1999-2004	6	15	1	1
Big Bear Creek	15%	1999-2004	6	7	0	1
Issaquah Creek	>15%	2000	1	1	0	1
Thornton Creek	51%	2000-2002	3	1	0	6

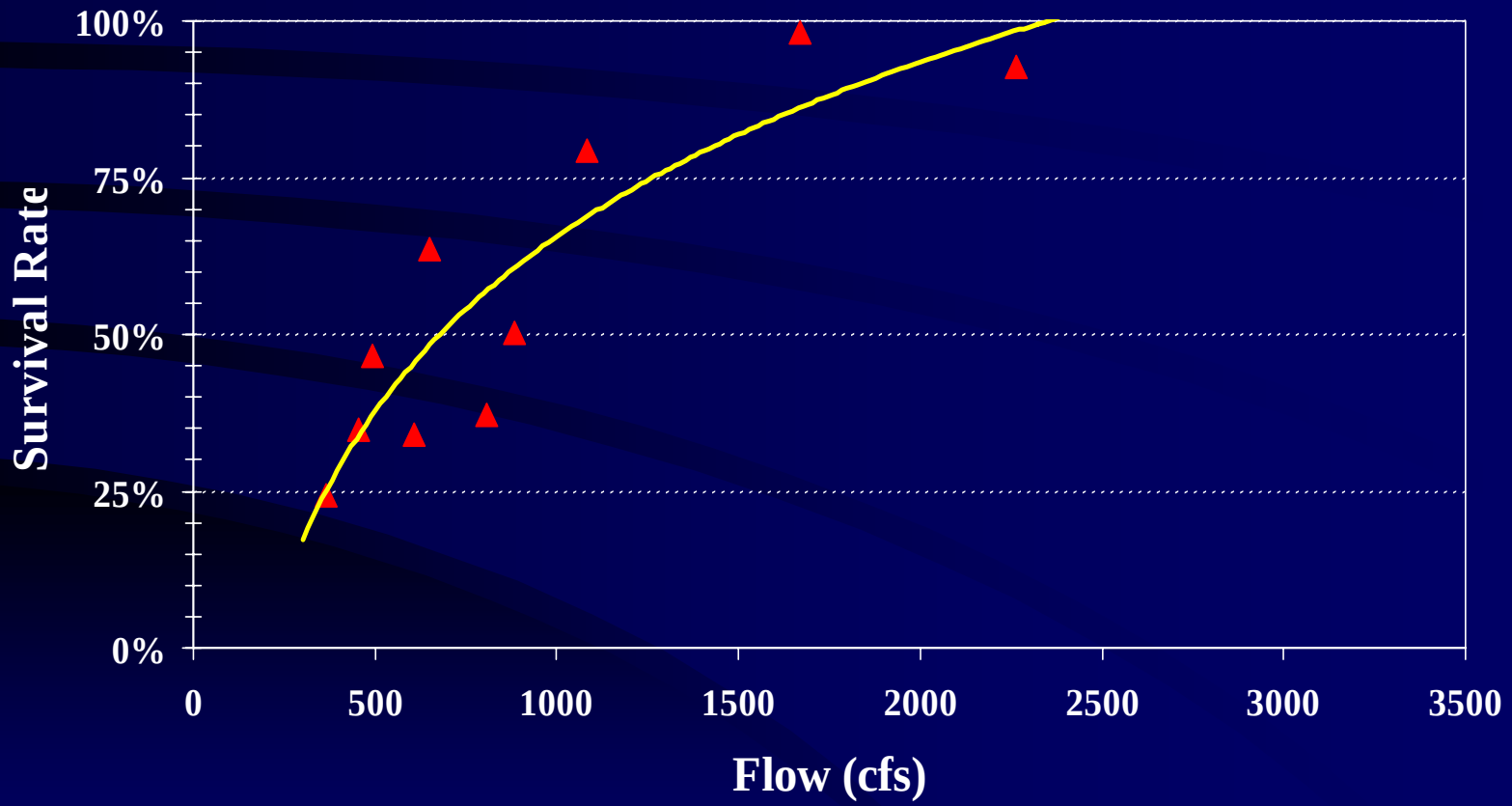
Average Density of Juvenile Cutthroat & Coho in Six Lake Washington Streams

Summer 1993 & 2003

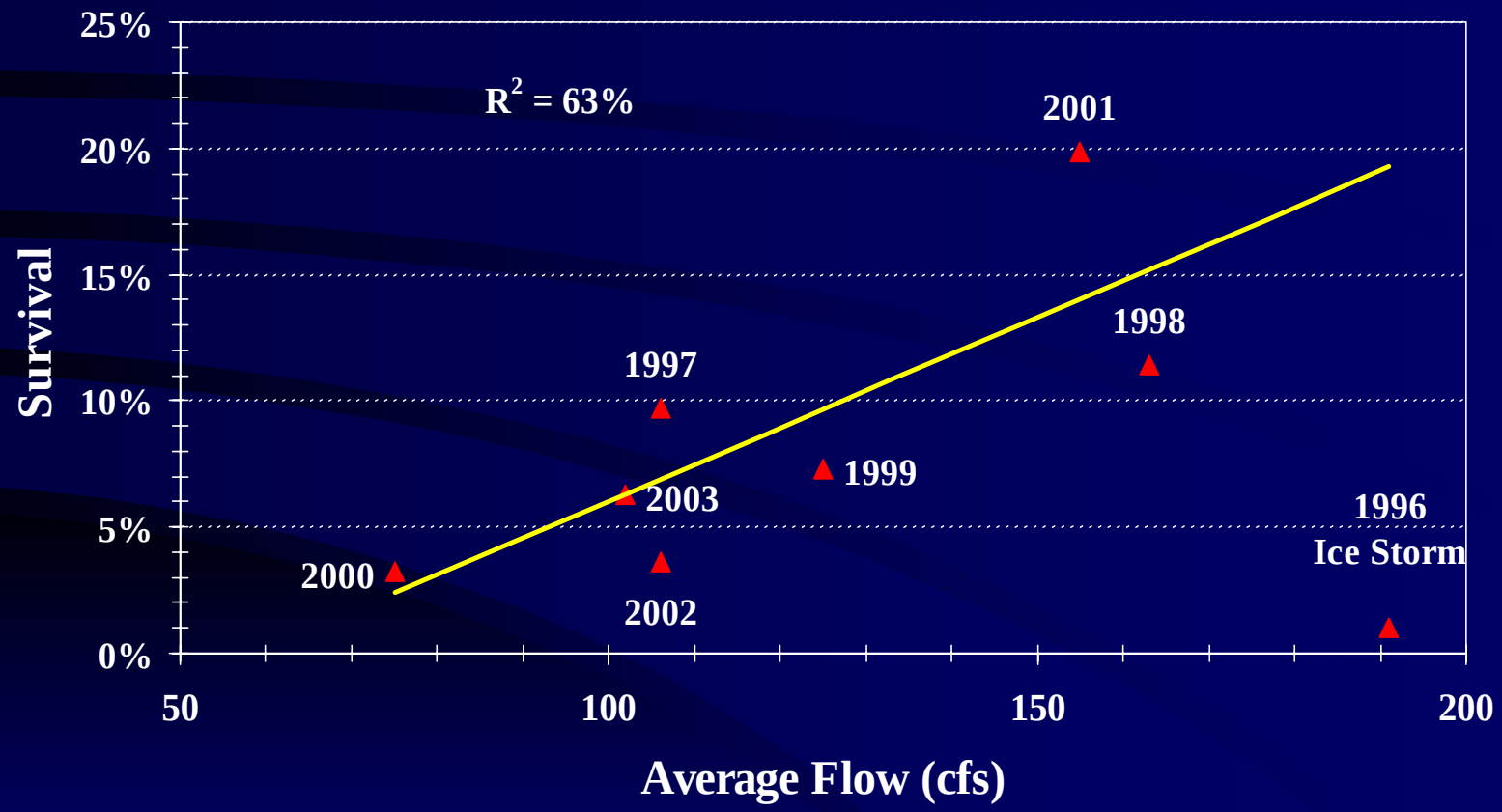


Purse-Seining in Ballard Locks

In-River Survival of Hatchery Sockeye Fry
Released at Landsburg Hatchery, Cedar River 1995



Bear Creek Egg-to-Fry Survival
& Migration Flow (Feb1 thru Mar31)



Gut Content Analysis of Predators

Bear Creek: March 14, 2001

Species	Number Sampled	Average Size (mm)	#Fresh fry/ Gut
Coho 1+	16	99	4
Cutthroat			
< 150	11	112	7
>150	10	179	28
Torrent Sculpin	47	78	1

Cutthroat Trout

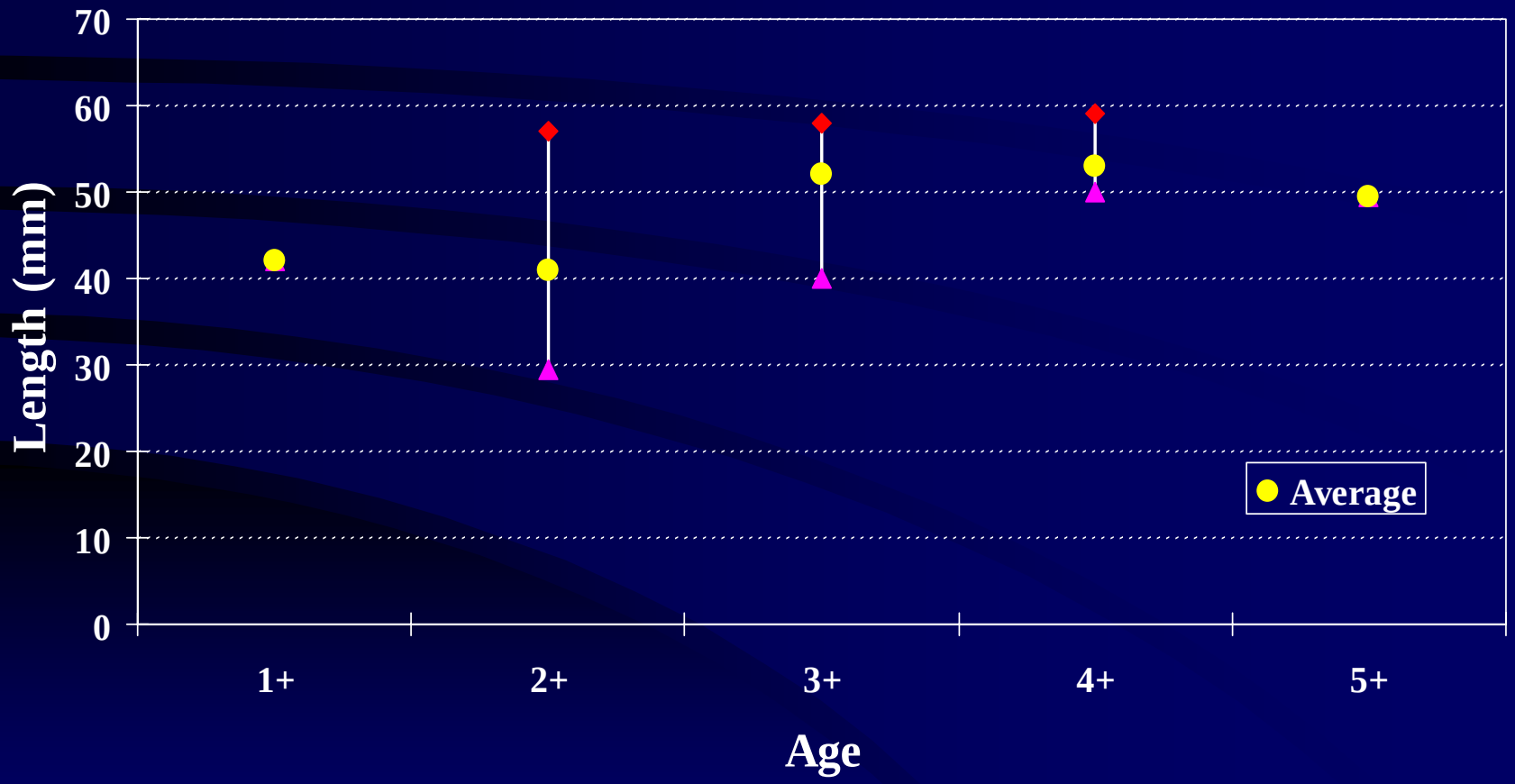
Rainbow trout

Cutthroat Trout Captured in Lake Washington Coho Gillnet Fishery, October 2004

Cutthroat Trout Captured in Lake Washington Coho Gillnet Fishery, October 2004

Size range of fish above – 55-59cm FKL; two 4 yr. olds, one 3 yr. old

Size at Age of Cutthroat Captured
Lake Washington Gillnet Fishery 2004



Lake Washington Cutthroat Sampling
Gut-Content Analysis

Gut Contents of Large Cutthroat

Sok Keo with 14.9 lb cutthroat he caught in Lake Washington, August 2002