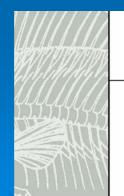
Tieton Hydro Fish Salvage Project

Presented by

Pat Monk



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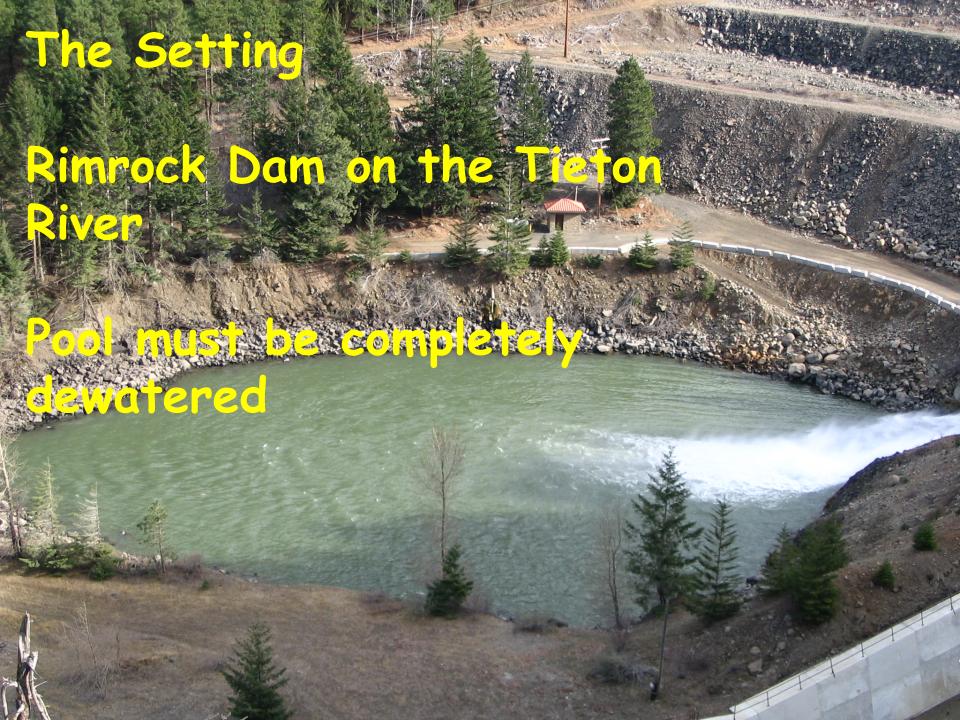


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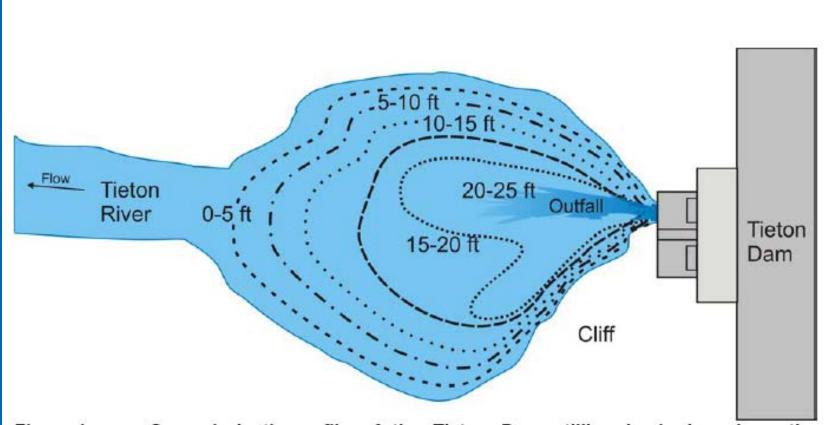


Figure 1. General depth profile of the Tieton Dam stilling basin based on the deployment depth of an underwater camera during the reconnaissance survey in March, 2005.

Pool Area: 49,000 square feet; Pool Volume: 4.5 million gallons











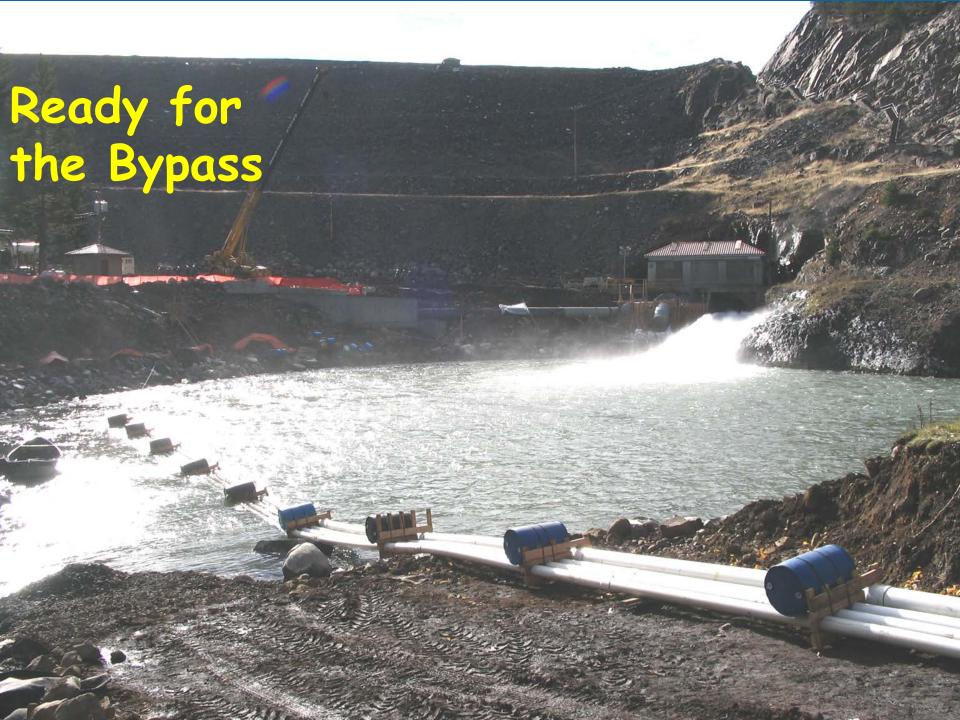


















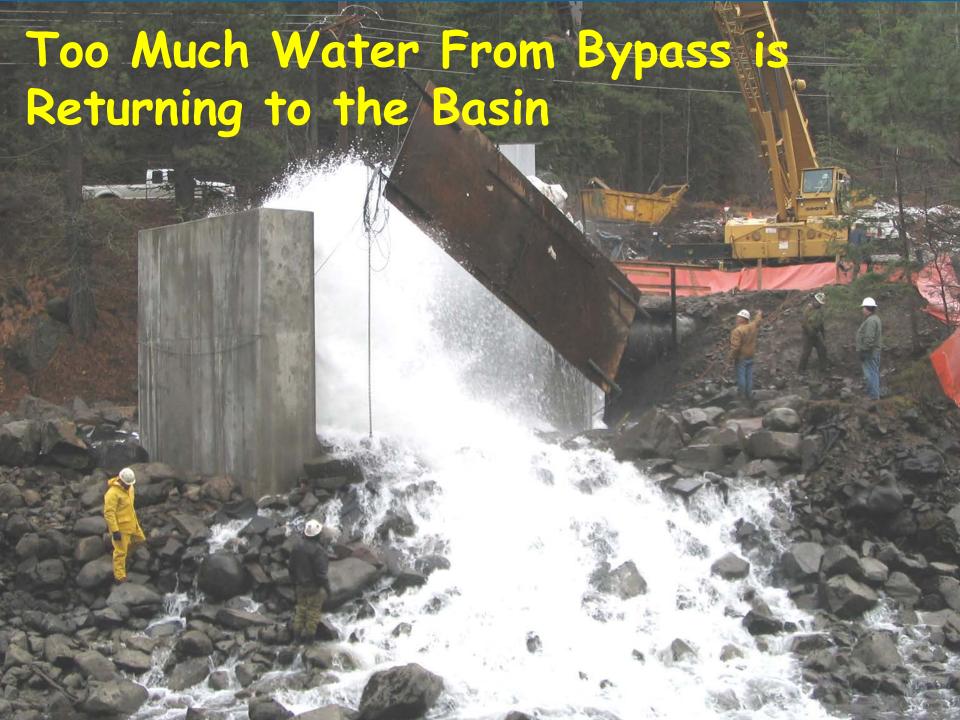


Stranding Surveys

Table 1. General guidelines for stilling basin drawdown rates.					
Drawdown Ra	ite Dura	ation To	Total Drawdown		Contingency
6 inches/hour	40 hrs	20 feet			Slow or cease drawdown if fish
2 inches/hour	6 hrs	1 foot			stranding or stress is observed
Evaluate rate	based upon	observations	from	previous	
drawdown rates and initial salvage success.					











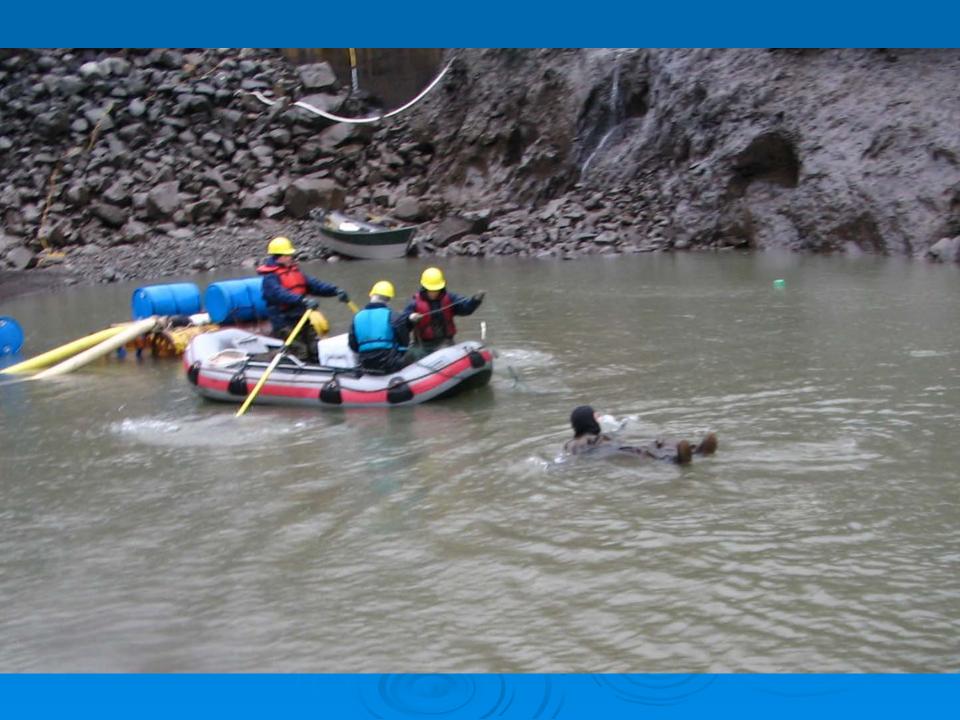










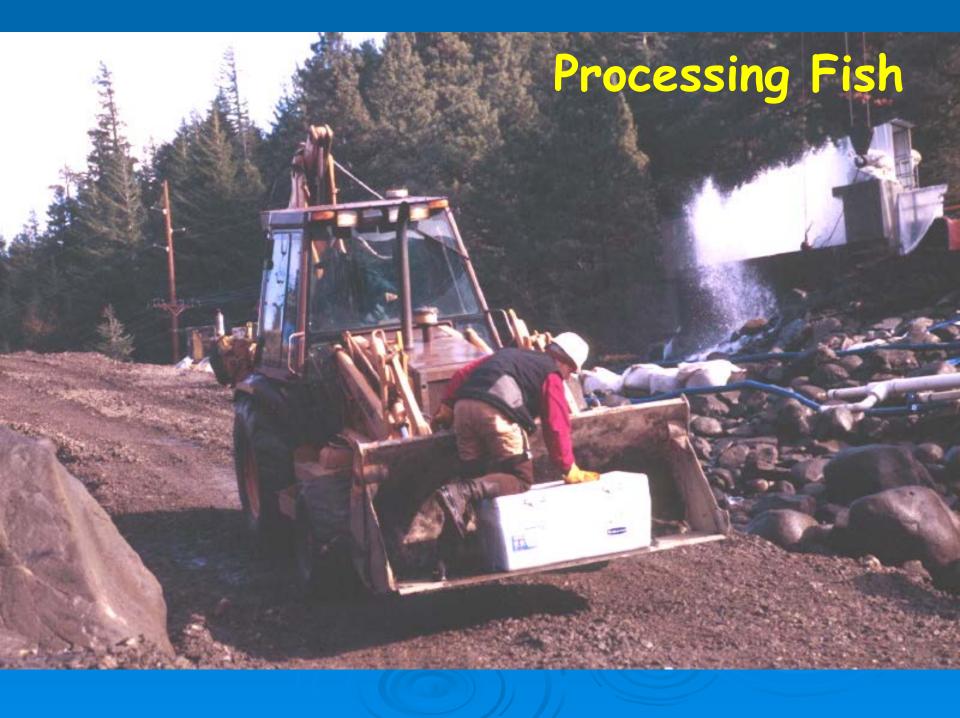






- serven·dip·i·ty n. pl. serven·dip·i·ties

 1. The faculty of making fortunate discoveries by accident.
- 2. The fact or occurrence of such discoveries.
- 3. An instance of making such a discovery.



















































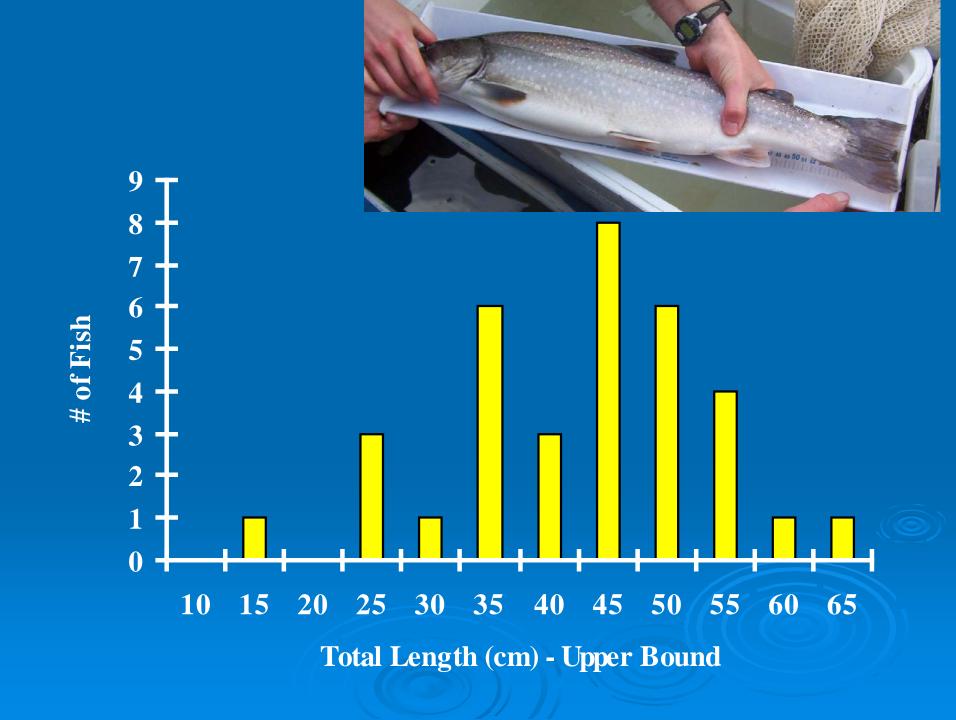








Species	# Salvaged	# Mortalities
Bull Trout	37	0
O. Mykiss	4,726	25
Cutthroat	9	0
Kokanee	4,400	4,400
Whitefish	387	2
Dace spp.	52	0
Sculpin spp.	100	0
Coho	9	1
Chinook	10	0
Sucker	61	0
Redside Shiner	13	0
Total	9,804	4,428



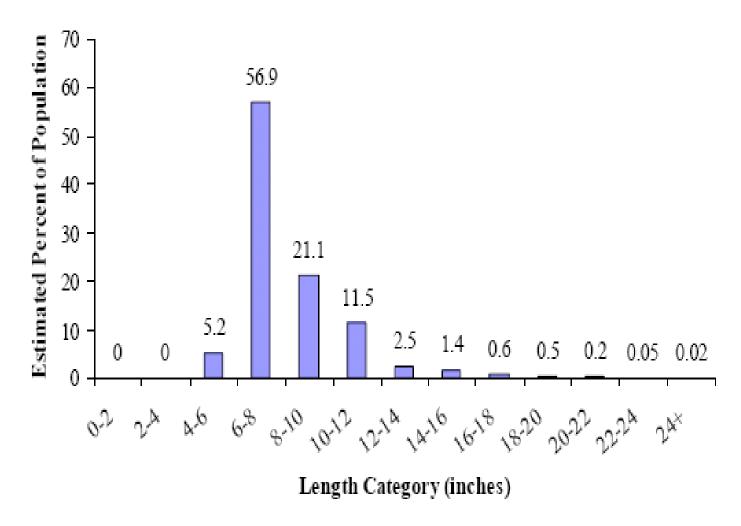


Figure 6. Estimated length frequency of O. mykiss salvaged from the Tieton Dam stilling basin.

Conclusions

- Most injury/mortality of target salvage species were from electrofishing
- O. mykiss appeared to be resident, not steelhead
- Bull trout were all sub-adult or adult, likely flushed from reservoir and resident in pool

Acknowledgements

- > Tieton Hydro
- WDFW: Anderson, Bartrand, Mizell, Cummins and others!
- > USFWS: Jeff Thomas
- Mountain States Construction
- > USBR