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Enhancement Funds - Pacific Salmon
Commission
Steve Cox-Rogers (DFO StAD Biologist)

From
De

Rob Dams (North Coast CA)
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Terrace Salmonid Enhancement Society)

Subject
Objet

2016 ZYMACHORD RIVER COHO CWT HARVEST DISTRIBUTION (YEAR 3 OF 4)

Security Classification - Classification de sécurité

UNCLASSIFIED

Our file - Notre référence

Your File - Votre référence

Date

June 24, 2017

Background

In order to improve our understanding of the harvest impacts on Zymachord River coho, in 2013 a submission to was made by Fisheries and Oceans Canada (DFO) North Coast StAD to the Pacific Salmon Commission (PSC) Northern Fund. This project involved the application of 15,000 Coded Wire Tags to Zymachord River coho smolts currently being produced by the Northwest Watershed Enhancement Society, at the Eby Street Hatchery in Terrace, BC. The project proposal included a request for \$5,500 in funding over four consecutive years.

Coho cwt and exploitation indicators play an important role in our understanding and management of coho in the Northern Boundary Area. Lower Skeena coho have a distinctly different timing (mid-September) compared to the middle and uppers Skeena (peak August 5th). There is significant information from middle and upper Skeena coho cwt programs (Babine, Toboggan, Slamgeese and Kitwanga). We assume Lower Skeena coho stocks have similar distribution and exploitation rate as the former Lachmach (Area 3) and current Zolzap (lower Nass) indicator sites. The Eby St Hatchery tagging project intends to define exploitation rates for Zymachord River coho in both Alaskan and Canadian fisheries. Based on historic records, the timing and distribution of the ctw recoveries is expected to be adequate to define harvest impacts.

The present management plan for lower Skeena coho stocks restricts troll and recreational harvest opportunities. Results from this project will assist with future management strategies.

2016 Results

A total of 15,033 Zymachord River coho juveniles from the 2015 broodyear were Coded Wire Tagged at the Eby Street Hatchery in early June, 2016 (see Appendix 1). Tagging was conducted by Terrace Salmonid Enhancement Society staff with some assistance from volunteers at the Eby Street Hatchery. The Coded Wire Tagged coho were subsequently released as 19 gram smolts on April 30th, 2017. Tag recovery results will be presented in future reports.

Project Brood Summary

Return to: Dave Willis
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Project: Eby Street

Community Advisor: Rob Dams

Stock Name	Stock Type	Species	Run	Brood Year	BROODSTOCK TAKEN				EGGS			JUVENILES			RELEASES										COMMENTS <i>(egg & fry transfer locations and reasons for unusually high mortality)</i>			
					Female		Male		Egg Target	# Taken	# Trans (Out)/ In	# Poned	# Trans (Out)/ In	# On Hand	Release Site	Release Date(s)	Rel Stage	Tag Code or Fin Clip Type	# Tagged or Finclipped	Tag Ret: # of fish sampled	Tag Ret: # of fish missing tags or w/ poor clips	Tag Ret: # sample days	# Unmrkd	Release Target		Total # Released	Enum Meth	Wgt (g) & Lgth (mm)
					# Pre-Spawn Mort	# Used	# Pre-Spawn Mort	# Used																				
Zymacord R	M	CO	3	2015		7		8	40,000	28,735		27,840		27,350	Zymacord R	April 30 2017	YE	Ad Clip & CWT (18-45-86)	15,033	100	3	1	0	25,000	15,027	B	19 g	Tagged a total of 15,033 coho, minus 6 post tag morts = 15,027 live tagged fish on hand. Checked 1500 marked fish at release with 88% tag retention
															Zymacord R	April 30 2017	YE						12,295	25,000	12,295	B	19 g	Total combined (tagged and untagged) on-hand at release = 27,322

ADDITIONAL COMMENTS:

