

PRESENTATION TO THE COWICHAN
STEWARDSHIP ROUNDTABLE

NOVEMBER 17 2016

COWICHAN RIVER SUMMER CHINOOK PROJECTS 2015-2016

DIDSON AND VIDEO ENUMERATION

DFO SALMON STOCK ASSESSMENT
NICOLETTE WATSON

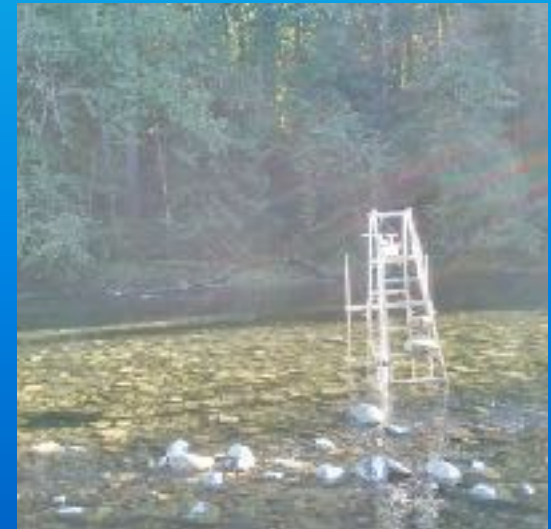
PURPOSE OF PROJECTS

- TO ASSESS AND ENUMERATE THE ABUNDANCE AND DISTRIBUTION OF SUMMER CHINOOK IN THE COWICHAN RIVER WATERSHED
 - 2 FIXED SITES – MID-RIVER AND WEIR
 - DIDSON – sonar video at both sites to record movement past mid-river as well as migration into lake through weir
 - VIDEO – to record fish movement migrating up fishway at weir site

MID-RIVER DIDSON



- DIDSON located on ladder in the river, with computer recording data on bank – at Parker Jefferson's property



MID-RIVER DIDSON CLIPS

WATCH THE CLIP OF THE DIDSON RECORDING
AND TRY TO SEE IF YOU CAN FIND THE FISH
MIGRATING UPSTREAM (LEFT TO RIGHT)



IMG_8244.MOV



IMG_8132.MOV



IMG_8246.MOV

WEIR DIDSON AND VIDEO



Locked in 'secure' boxes, DIDSON records constantly (weir), video records motion events (fishway)



WEIR DIDSON AND VIDEO CLIPS

WATCH THE CLIP OF THE DIDSON RECORDING
AND TRY TO SEE IF YOU CAN FIND THE FISH
MIGRATING UPSTREAM (**RIGHT TO LEFT**)



Camera 1 2016-05-22_22_46_34_679.asf



Cow Weir 2016-06-05_02_45_39_895.asf



Cow Weir 2016-06-08_17_02_21_776.asf



Cow Weir 2016-06-05_03_50_51_429.asf



Cow Weir 2016-05-28_06_13_11_453.asf

ADDITIONAL SIDE PROJECTS

- GoPro camera at mid-river DIDSON – pilot to ID fish species passing DIDSON



ADDITIONAL SIDE PROJECTS

- Brown Trout predation study 2016 (+video)



ADDITIONAL SIDE PROJECTS

- Mobile DIDSON 2015



Other projects

- Cowichan Fence video clip
- Sockeye in Robertson River
- Millstone video
- Sakinaw video
- Nanaimo DIDSON
- Chemainus DIDSON pilot

