



Minutes

Village of Tahsis

Meeting	Committee of the Whole
Date	Friday March 15th, 2019
Time	7:00 p.m.
Place	Municipal Hall - Council Chambers

Present
Mayor Martin Davis
Councillor Bill Elder
Councillor Sarah Fowler
Councillor Josh Lambert
Councillor Lynda Llewellyn

Staff
Janet StDenis, Finance & Corporate Services Manager

Guest
Roger Dunlop, R.P. Regional Biologist, Uu-a-thluk Fisheries Program Nuuchah-nulth Tribal Council
Muchalaht Tye Ha'wilth Norman George

Public
14 members of the public

Call to Order

Mayor Davis called the meeting to order at 7:05 p.m.

Mayor Davis acknowledged and respected that Council is meeting upon Mowachaht/ Muchalaht territory

Approval of the Agenda

Llewellyn : COW 040/19

THAT the Agenda for the March 15th, 2019 Committee of the Whole meeting be adopted as presented.

CARRIED

New Business 1 Presentation by Roger Dunlop, R.P. Regional Biologist, Uu-a-thluk Fisheries Program Nuuchah-nulth Tribal Council

Roger Dunlop presented a proposal for Nootka Sound Salmon Forest Conservation Areas (Salmon Parks) Network (slides attached). This was followed by a question and answer period.

Fowler : COW 041/19
THAT this presentation be received.

CARRIED

Adjournment

Llewellyn: COW 042/19
THAT the meeting adjourn at 8:00 p.m.

CARRIED

Certified correct this
2 Day of April, 2019



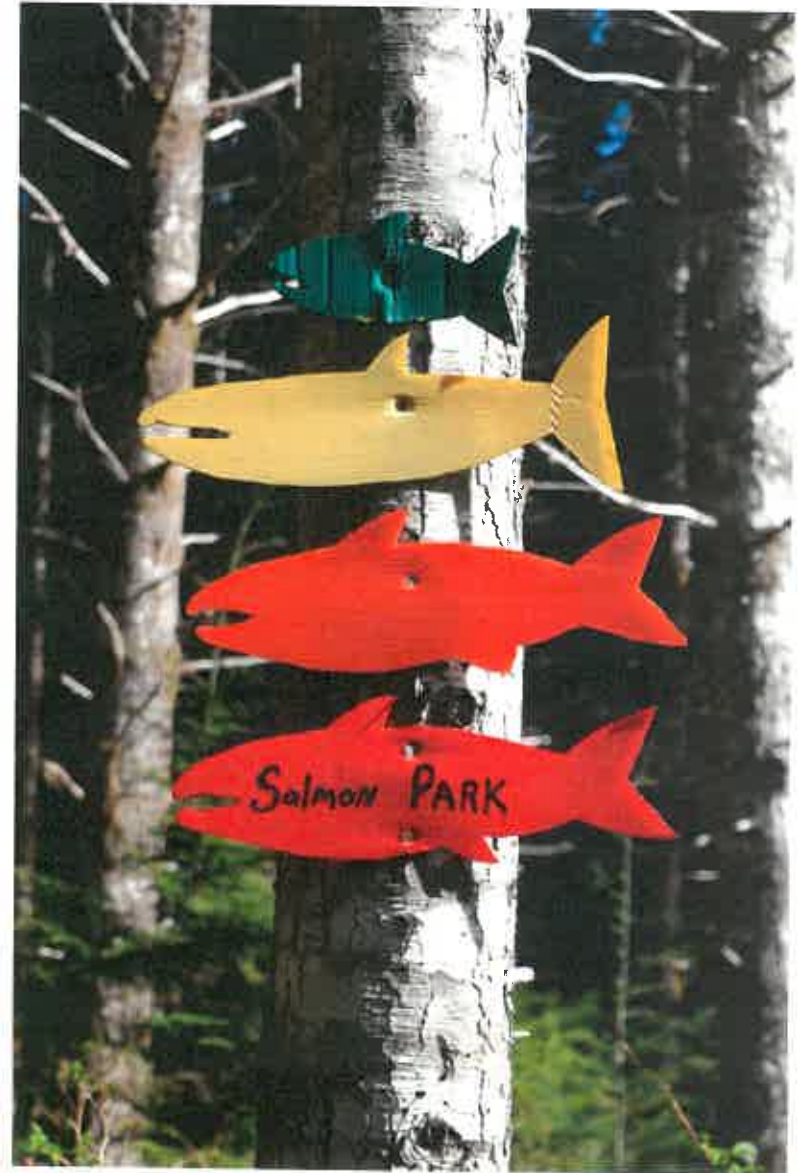
Corporate Officer

Proposal for
Nootka Sound
Salmon Forest
Conservation Areas
(Salmon Parks) Network
March 15 2019
Village of Tahsis

Roger Dunlop¹ & Norman George²

¹ Nuu-chah-nulth Tribal Council

² Mowachaht/Muchalaht First
Nation



Surface area of leaves \neq



Salmon Parks short talk

This is about Passive Restoration

Effective integrated planning requires making fish-habitat health a priority objective in salmon watersheds

Salmon Forest Conservation Area approach.

No Take Zone widths, not set in stone or prescriptive, but site specifically developed.

Relies on lower AAC. **Most importantly** provides **time and space for** core salmon **rivers** and their supporting mature forests (>250 yrs) **to heal.**

Also requires from us

- #1 Operational interdiction of erosion sediments, rapid deactivation, and revegetation (rate and act on existing road potential for sedimentation)
- #2 Connect fragmented habitat
- #3 Development of stands of drought-tolerant species to colonize bars in warming climate (e.g. Black poplar example, Elk River bars)

Black cottonwood Elk River



The Good: Large woody debris controlled streams

Park River



Owissitsa Creek



The Bad- (Conuma sands post-*FRPA*)



The Ugly



Could be prettier



Malksope River >\$1.5M fish habitat, \$2M sediment control. Rock Riffle and LWD

Trib 1.37 - Newbury riffle reinforcing LWD arc



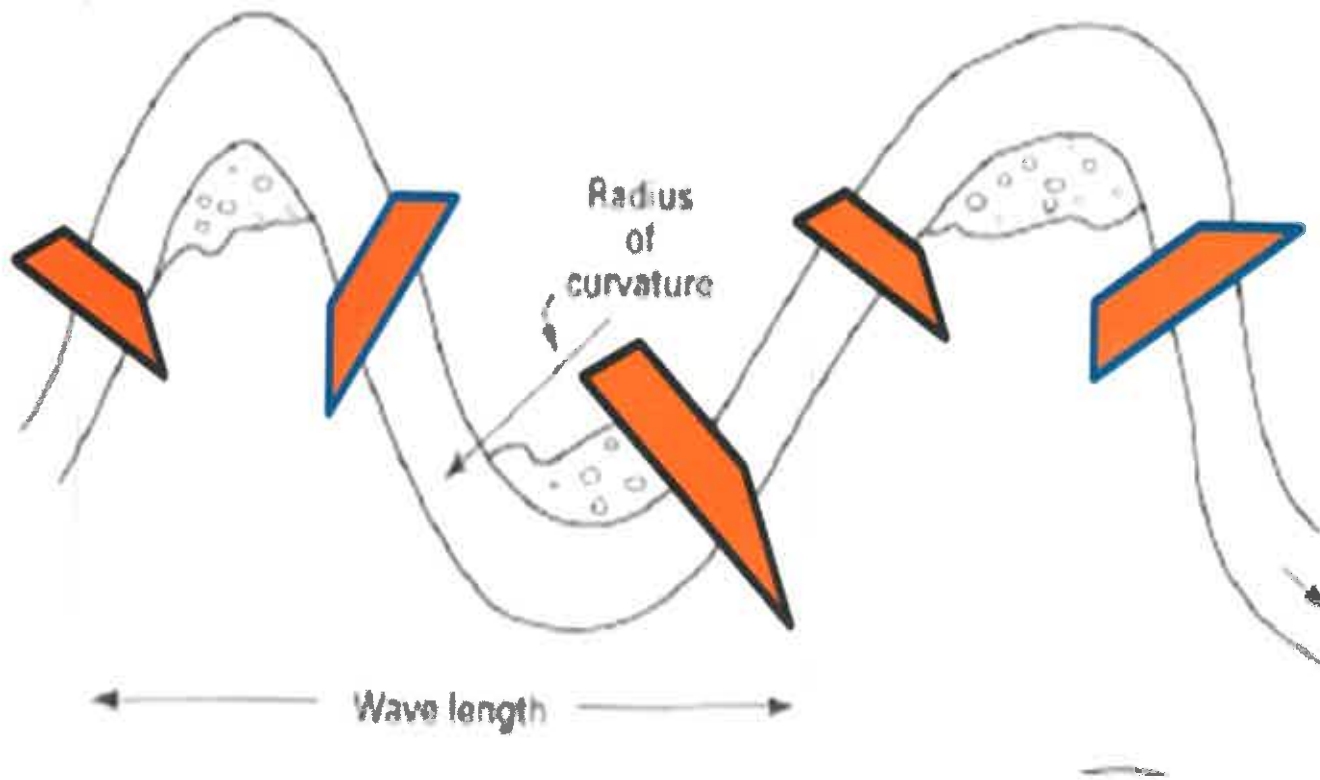
Plunge/underscour pool forced by LWD arc



Problem = current and future
LWD budget deficit



Old growth low gradient coastal forested stream 3 meander pools + 5 LWD forced pools = 8 pools, right?



After loss of LWD inputs only 3 pools remain,
straightening from loss of bends
(transports gravel liberated from bank storage)

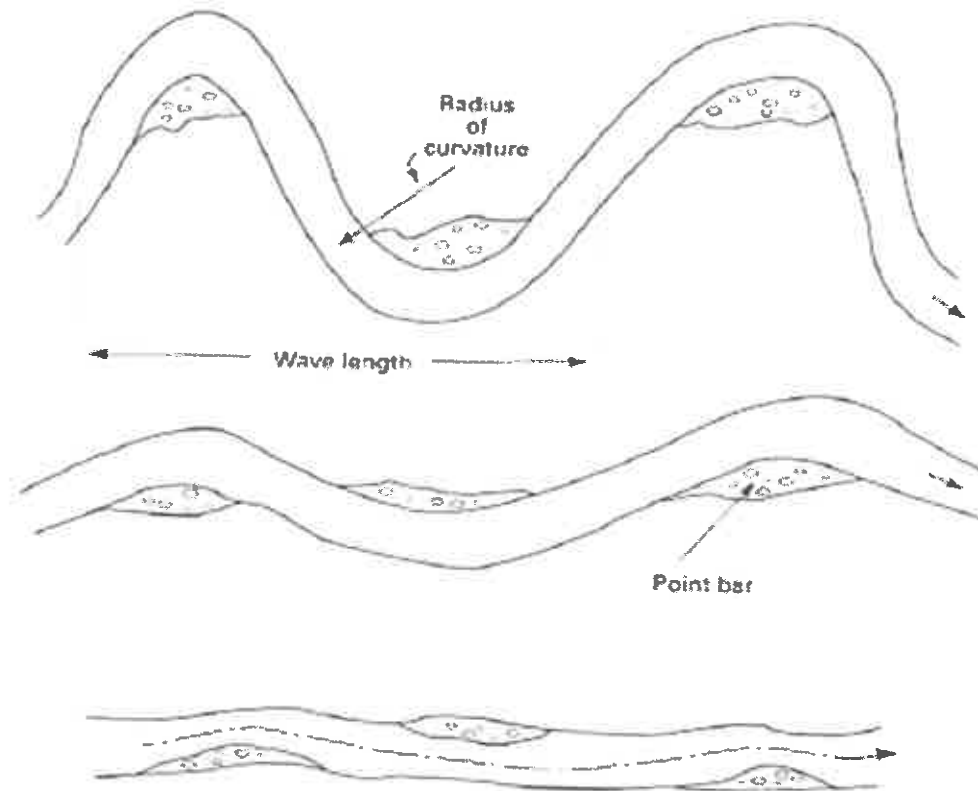
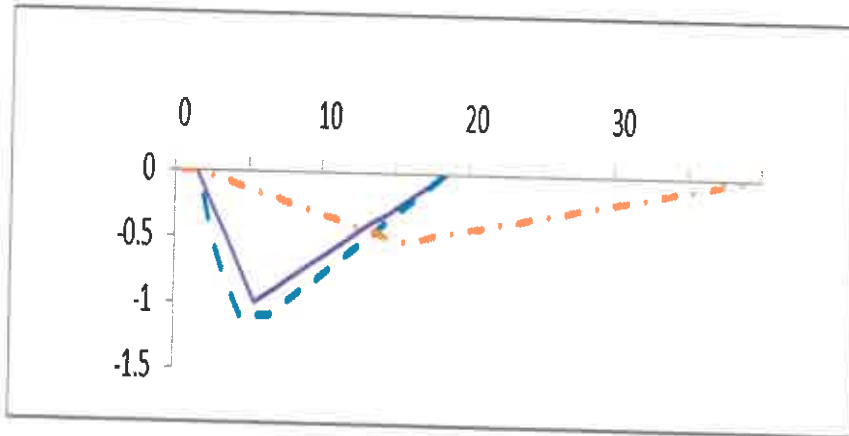


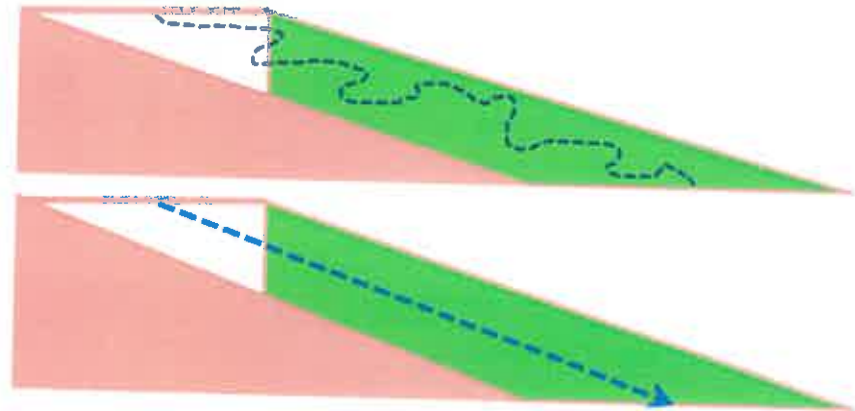
Figure 4.1 Sketches of channels with various degrees of sinuosity. Even in a channel that is nearly straight, alternate bars lead the thalweg in a sinuous path.

Channel morphology: wider and steeper = tractive forces

Wider shallow channels from loss of bank cohesion (Douglas Fir roots networks)



Loss of meanders and wood steepens streams, increases bed tractive forces and particle size D_{90} increases (e.g. from gravel to cobble/boulders)



Gold River widening now

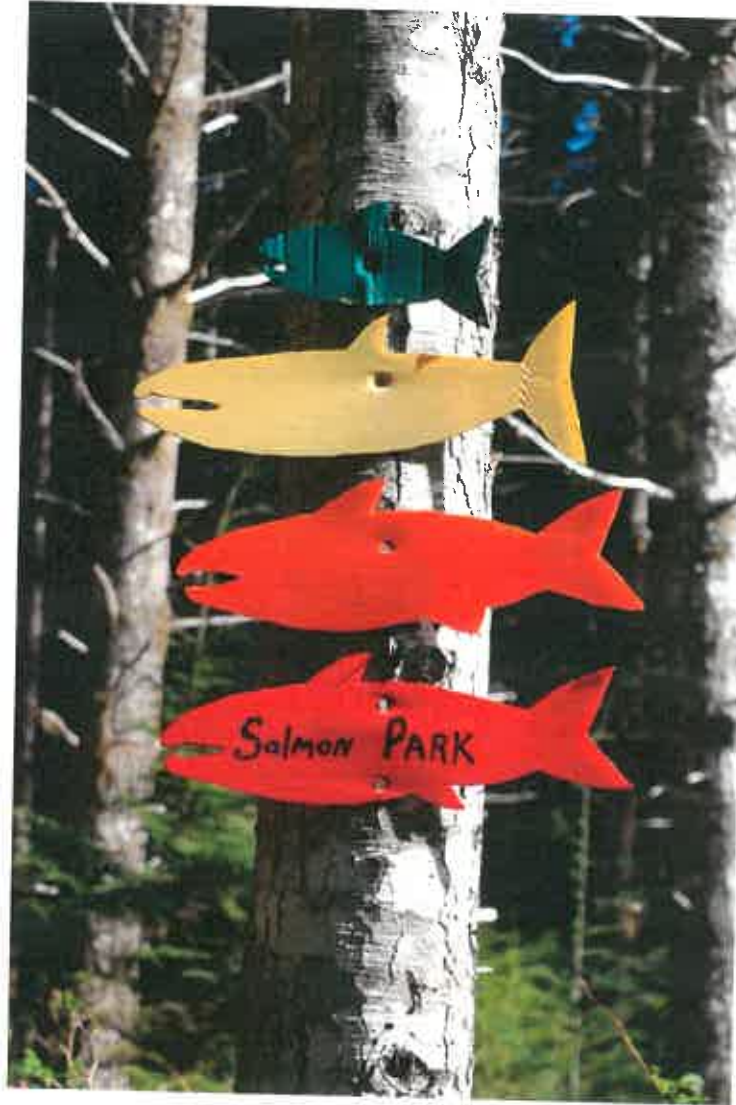
May 3 2017



March 3 2019



Salmon Park doodle

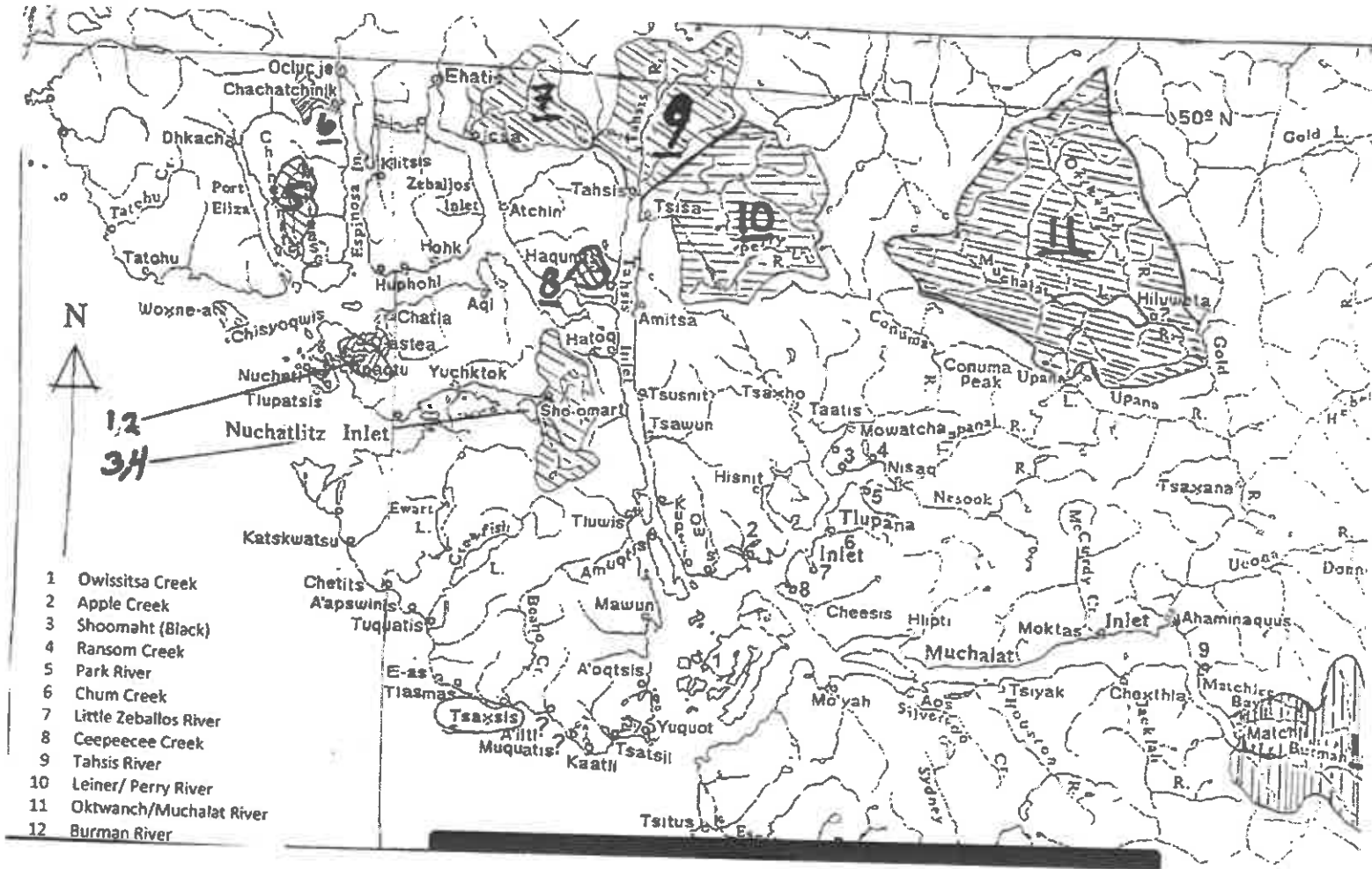


SFCA's

Salmon Forest Conservation Area	TSA (review yr)	Gross Area (ha)	Operable (ha)	AAC m ³	Proposed SFCA Network (ha)(% of Gross)
		443,599			
Owissitsa thru Little Zeballos	Strathcona (2015)	345,000	174,000	1,138,000 (152,000)	
	Kyuquot + Sayward SBs	298,770		986,000 (86.6%)	
	Kyuquot SBlock 54%ofOperable	161,355	93,960		12,372 (7.6%)
Tahsis-Muchalat	TFL 19 (2019)	171,722	75,314	730,000	34,400 (20%)
Kla-anch/Oktwanch Sub-basin	TFL 37 (2017)	132,217	86,195	847,000	6,000 (4.5%)
Connectivity					
Upper Conuma					3,000 (2.25%)
Upper Gold					6,000 (4.5%)
Burman River	Pacific TSA	698,041		803,300	
	Non-GBR	641,436			8,834 (1.4%)
Total					70,606*

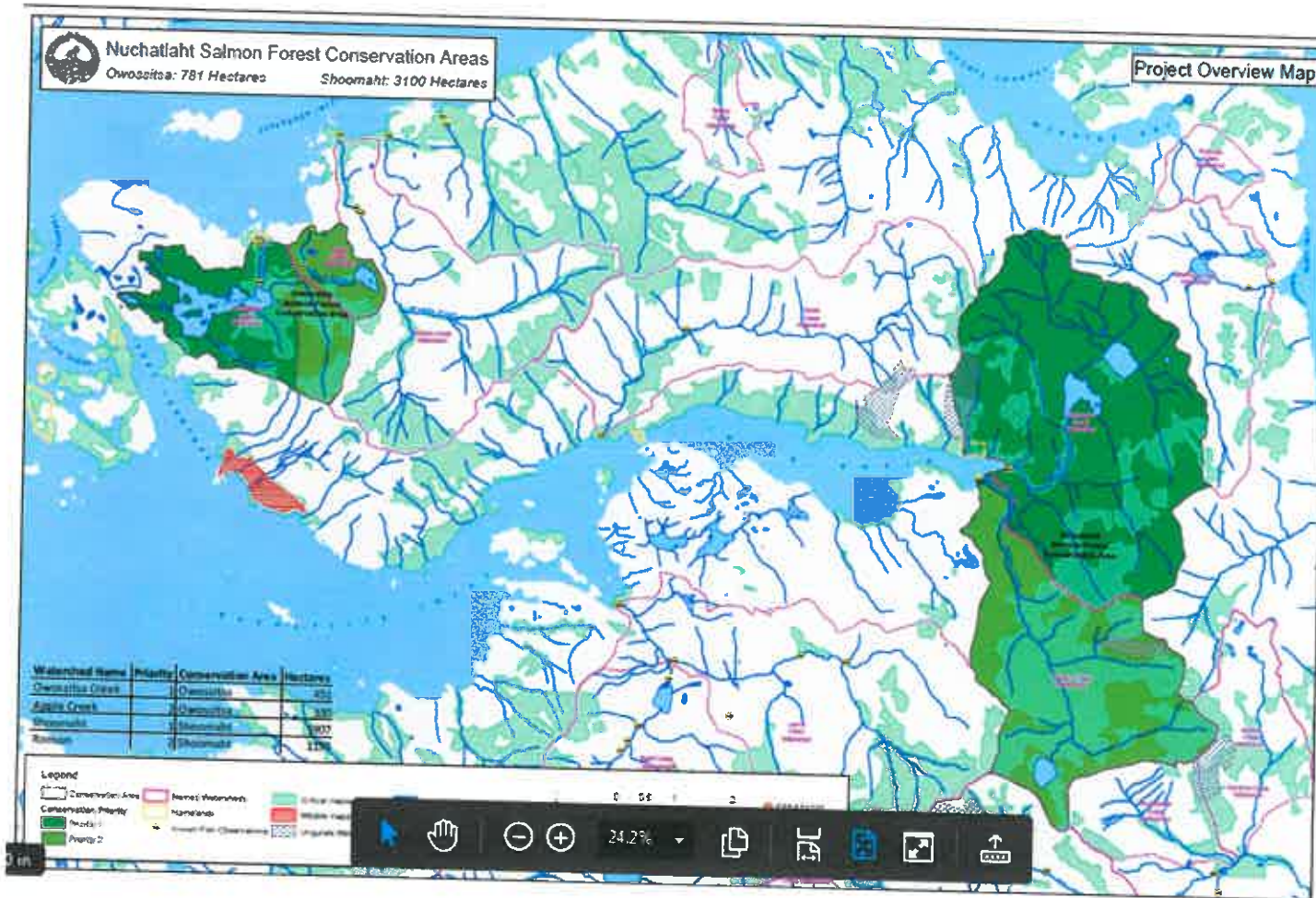
*Gold River basin is 1.3% of Vancouver Island and 100,000 ha or 1000 km², Ask is for 0.09% of VI

Nootka Sound Salmon Forest Conservation Area Network



Salmon Forest Conservation Areas

Owwissitsa and Shoomaht



Process/Next steps

- Met with John Allan, DM, and ADM Tom Ethier, FLNRO Resource Stewardship Division, March 14th.
- Consultation Committee/Process participation
- Requesting letters of support and engagement

Application to Nature Fund March 28 deadline

Letter of support? Joint submission?

Issues

Timber Supply

- AAC reductions required in TFL 19, TFL 37, Kyuquot Supply Block, Strathcona TSA, and Pacific TSA

Sustainability

- AAC reductions are required.
- Fish habitat cannot re-develop in constant state of increasing disturbance