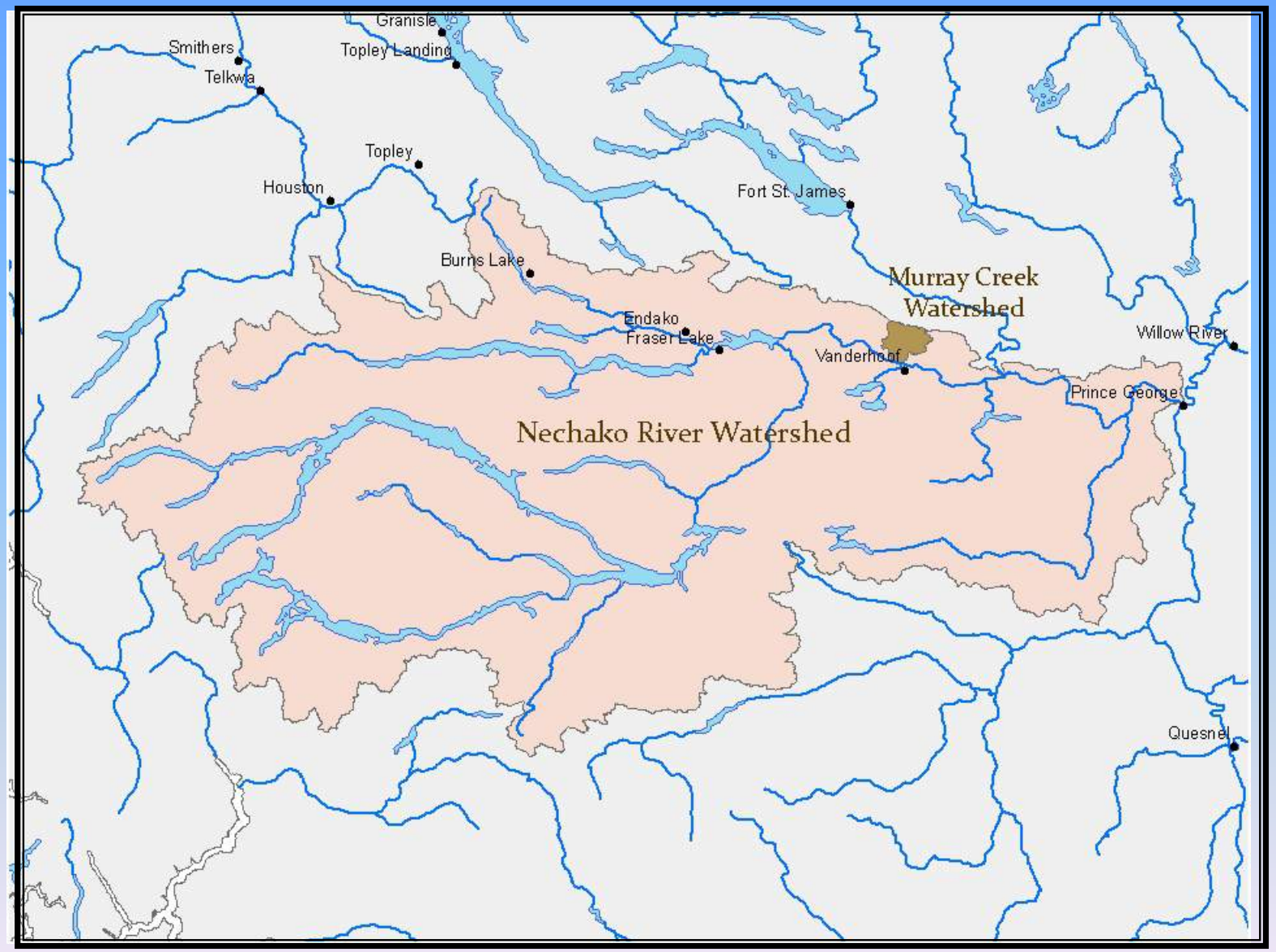
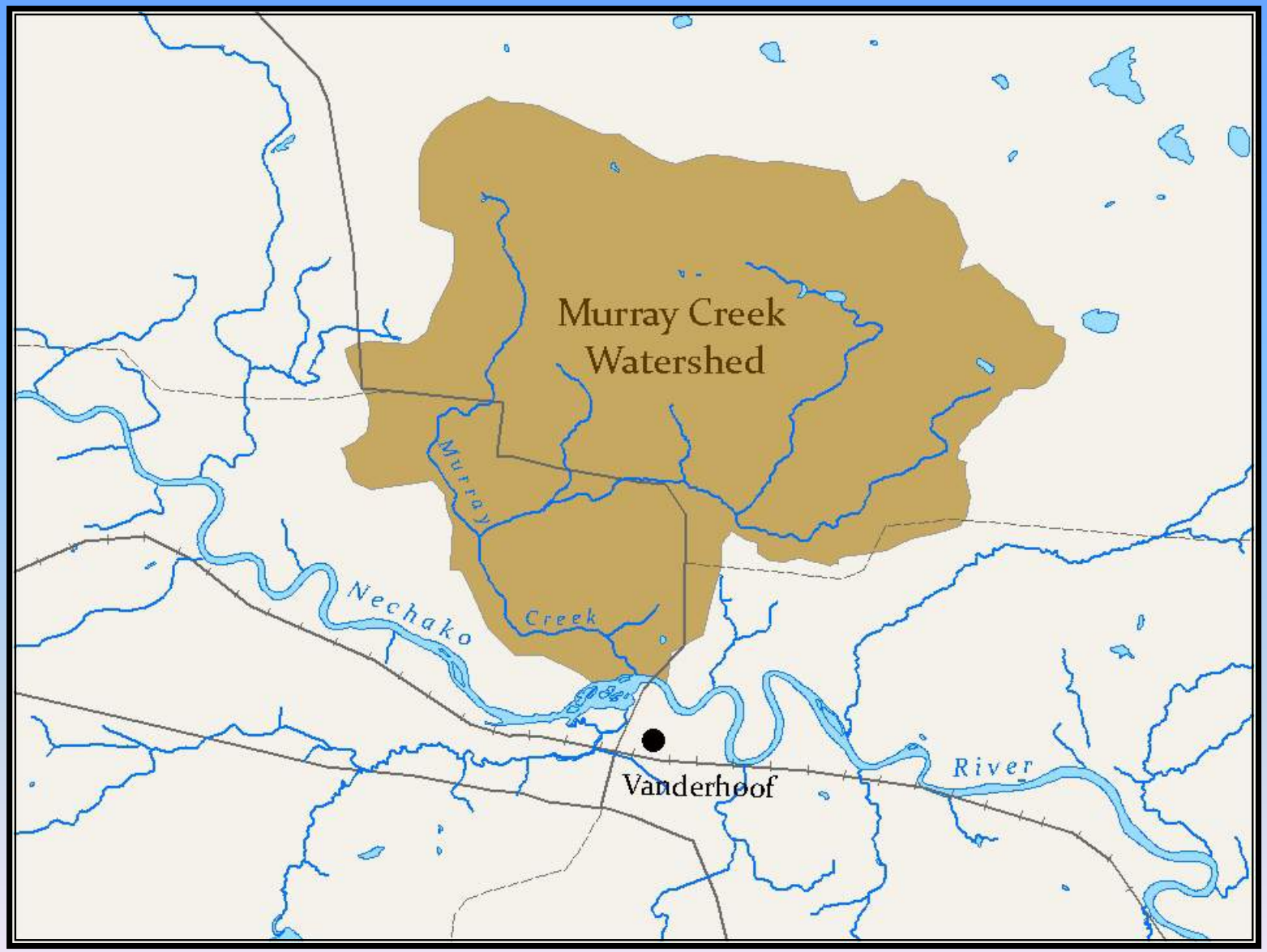
Nechako Environment Water Stewardship Society

“NEWSS”


Granisle
Smithers
Topley Landing
Telkwa
Topley
Houston
Fort St. James
Burns Lake
Murray Creek
Watershed
Endako
Fraser Lake
Vanderhoof
Willow River
Prince George
Nechako River Watershed
Quesnel


Murray Creek
Watershed
Murray
Creek
Nechako
River
Vanderhoof


Murray Creek Rehabilitation Project
Murray Creek Demonstration Project
Murray Creek Watershed
YOU ARE HERE
BEFORE
SITE #1: PREPARING THE SITE
SITE #2: STREAM CROSSING MATTING INSTALLATION
SITE #3: BOULDER PLACEMENT
SITE #4: STREAM BANK HARDENING
SITE #5: ROOT WADS
SITE #6: ROCKS AND LOGS
SITE #7: STABILIZATION DURING HIGH FLOW
SITE #8: CREEK MEANDERING
SITE #9: TREE PLANTING
SITE #10: CULVERT REPLACEMENT
THE STAKEHOLDERS

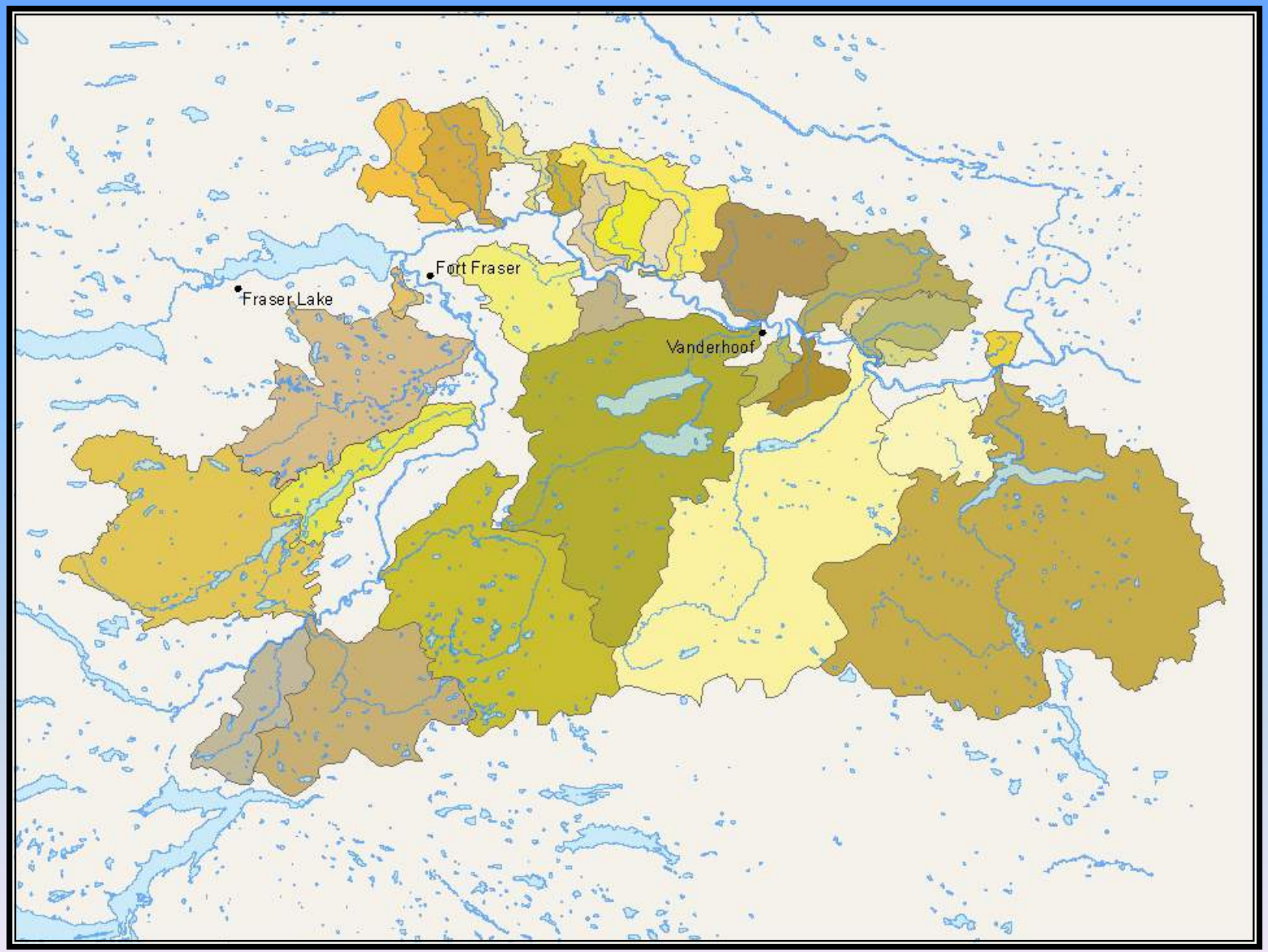
NEWSS- our proposal

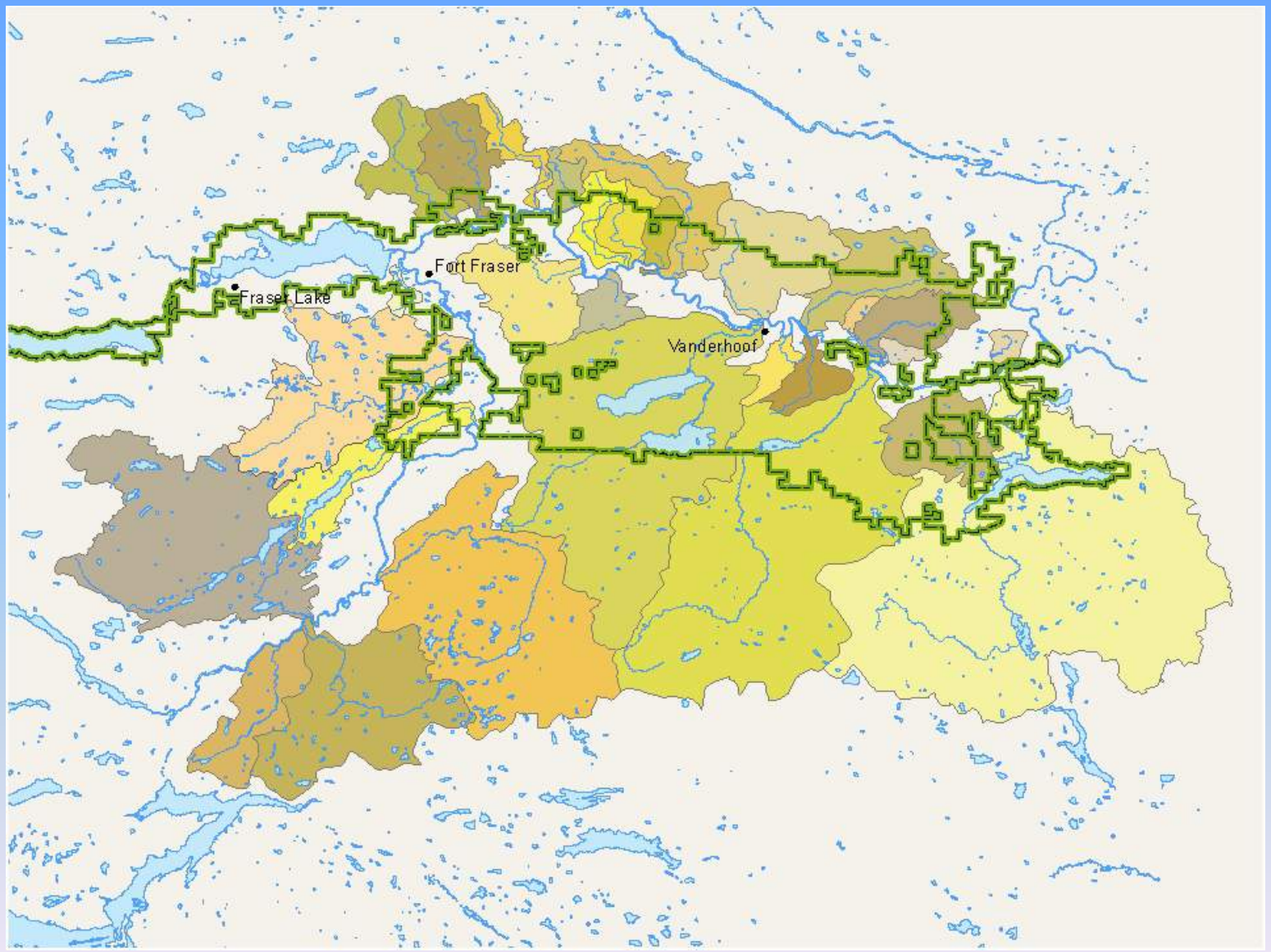
NEWSS meets the objectives of the NEEF including:

- Options that address enhancement related to flow changes in the Nechako River.
- Options that seek to rehabilitate fish habitat and fish populations in the Nechako River.
- Options that promote education and stewardship of water in the Nechako watershed.

NEWSS-Objectives

1. Facilitating the rehabilitation of streams that flow through the Nechako Agricultural Belt into the Nechako River.
2. Facilitating watershed planning that provides a framework to protect, maintain and restore a healthy natural watershed.
3. Collaborate to improve the mapping of aquifers that lie beneath the Nechako Plateau and foster an improved understanding of the role healthy streams and riparian areas play in the dynamic interaction of surface and groundwater.
4. Assisting government to meet its stated vision for a cleaner and healthier environment.
5. Facilitating and participating in environmental stewardship and education opportunities for schools, universities and the community at large, including stream rehabilitation, water quality, Nechako white sturgeon and salmonids
6. Developing a program to administrate a “Gold Label” certification standard for agricultural products produced in the Nechako Valley by identifying opportunity to recognize agriculture producers that have Farm Stewardship Plans in place and demonstrate land stewardship practices that operate in harmony with healthy streams.


Fort Fraser
Fraser Lake
Vanderhoof


Fort Fraser
Fraser Lake
Vanderhoof

Land Settlement Boundary

- Made up of my industries and individuals
- Woodlots, Forest Licenses, Farmers, Ranchers, gravel pits, First Nations, Towns, Municipalities, Regional Districts, Parks, protected areas, pastures etc….

- Stakeholders

NEWSS Proposed Operating Area

Watershed Name	Area (ha)	Length of Stream Within ALR (m)	Length of Stream Outside ALR (m)	Area of Watershed With ALR (ha)	Area of Watershed Outside of ALR (ha)
Chilco Creek	5,744	13,359	1,275	4,341	1,403
Clarke Creek	965	5,775	1,450	538	428
Clear Creek	8,679	8,387	16,727	2,129	6,550
Cluculz Creek	90,500	33,698	50,025	12,170	78,330
Croft Creek	2,771	3,829	0	2,771	0
Cutoff Creek	9,034	0	23,129	0	9,034
Engen Creek	9,938	11,858	0	9,938	0
Greer Creek	41,037		63,074	0	41,037
Halsey Creek	1,901	3,654	5,825	361	1,541
Hullat Creek	8,842	5,218	0	8,842	0
Kluk Creek	3,009	0	18,558	0	3,009
Knight Creek	10,065	20,056	8,254	5,324	4,741
LeDuc Creek	722	1,436	0	722	0
Leona Creek	1,055	2,122	0	969	86
Martens Creek	2,122	5,797	0	2,122	0
Moss Creek	2,024	2,526		1,510	515
Murray Creek	12,056	12,750	2,942	6,188	5,868
Neuco Creek	3,483	12,500	0	3,483	0
Nine Mile Creek	6,784	6,095	12,662	822	5,962
Phillips Creek	86	1,615	0	86	0
Puttah Creek	1,110	0	3,606	22	1,088
Redmond Creek	3,246	10,358	0	2,554	692
Sinkut River	60,727	21,644	53,692	15,863	44,864
Smith Creek	24,841	13,252	23,552	4,014	20,826
Stoney Creek	56,220	36,311	16,049	29,966	26,254
Swanson Creek	23,216	0	30,605	0	23,216
Tahultzu Creek	8,993	8,915	20,383	1,702	7,290
Targe Creek	36,977	0	48,809	0	36,977
Tatsutnai Creek	6,665	4,170	16,351	616	6,049
Trankle Creek	3,087	14,201	2,576	2,208	878
Totals	**445,900**	**259,527**	**419,542**	**119,260.8**	**326,639.5**
	ha	**m**	**m**	**ha**	**ha**

NEWSS - issues

- Water stewardship practices
- Watershed health
- Aquifer health considered
- Restoration of streams and river
- Education – for everyone
- Community Health
- Collaboration with communities, residents and Industries
- Adaptation

NEWSS

- NEWSS has the foundations, history and partnerships
- School Districts and Universities are critically important
- We envision a collaborative approach with First Nations, Government agencies and the stakeholders in the defined area.

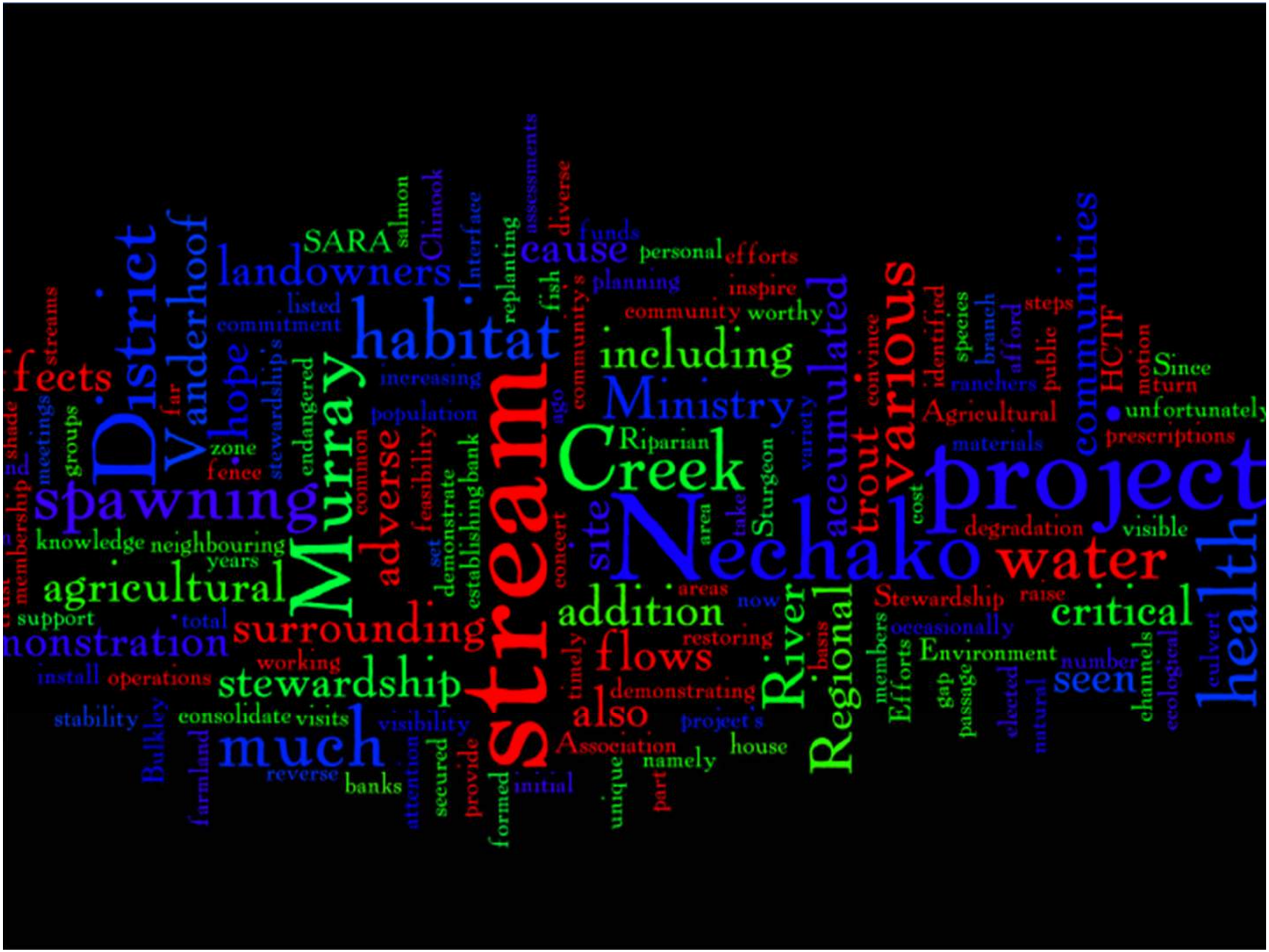
NEWSS meets the objectives of NEEF

- Options that address enhancement related to flow changes in the Nechako River.
- Options that seek to rehabilitate fish habitat and fish populations in the Nechako River.
- Options that promote education and stewardship of water in the Nechako watershed.

Partners and Collaborators

We are pleased to have some of the leading experts in their field here and would invite their comment & any questions:

- Dr Margot Parkes – UNBC
- Dr Ronald Chapman – Chief Medical Health Officer – Northern Health
- Chelton van Geloven –MFLNRO watersheds
- Dave Tamblyn – Northern Health – Ground water


stream
Nechako
project
Murray
Creek
District
habitat
health
various
spawning
Ministry
water
including
landowners
Vanderhoof
accumulated
Regional
River
surrounding
much
stewardship
agricultural
addition
critical
communities
flows
trout
adverse
cause
hope
also
site
seen
Riparian
Sturgeon
Stewardship
Agricultural
Environment
Association
degradation
prescriptions
unfortunately
visible
Since
turn
motion
HCTF
ranchers
materials
SARA
salmon
Chinook
Interface
replanting
assessments
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membership