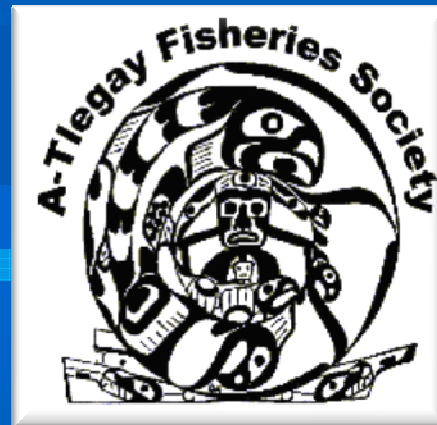


FSC Catch Database

Catch Monitoring Program



Fraser Salmon & Watersheds Program





A'tlegay Fisheries Society

A'Tlegay = “Inside Waters”

- **Komox** – Comox
- **We Wai Kai** – Quadra Island
- **Wei Wai Kum** – Campbell River
- **Tlowitsis** – Turner Island
- **Kwiakah** – Philips Arm

A'Tlegay Catch Monitoring Database

What is it?

Licence **Catch Data** **Issue Permits**

Licence **BCI-UFR09-CL04-NST** Year **2009** Start Date **01-Jul-2009** End Date **31-May-2010** **EDIT MODE**

Find Interviews: Sort By: Interview Set: 2 of 152 **New Interview Set** **Print Interview Set** **Delete Interview Set**

Mgmt Unit (Lake or River) **Fraser** Catch Monitor **Guardian, Gus** Secondary Monitor **Watchman, Walter** Start of Shift **19:00** End of Shift **2:00** Sheet ID **97**

REF	Fishing Site	Member Band or Fisher	INTERVIEW Date	Time	START of Fishing Date	Time	END of Fishing Date	Time	Hrs Fished	GEAR Type	No.	SOCKEYE Kept	Rel	CHINOOK Kept	Rel	COHO Kept	Rel	Other Species	Hal?	Com plete?	Fishing Party	Permit	Note
1	Onion Bar	Chum, Charles	23-Aug	1:16	23-Aug	18:50	24-Aug	1:15	6.42	DN	1	35	2	0	0	0	0	Other	O	?	?	P	N
2	Pillars	Char, Chip	23-Aug	1:17	23-Aug	18:52	24-Aug	1:16	6.40	DN	1	20	1	2	0	0	3	Other	O	?	?	P	N
3	Nellis Point	Fisher, Freda	23-Aug	1:41	23-Aug	23:15	24-Aug	1:40	2.42	DN	1	28	3	4	1	0	1	Other	H	?	?	P	N
*	Nellis Point		23-Aug	22:20	23-Aug					DN	1	0	0	0	0	0	0	Other		?	?	P	N

Centralized Database Management System

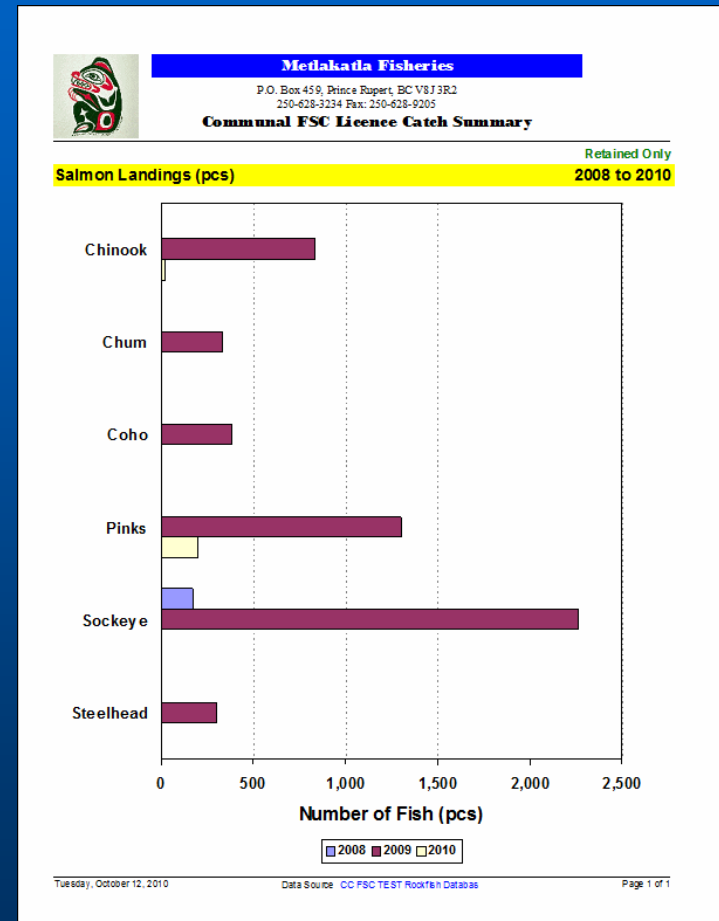
- **Secure storage** of fishers, staff, contacts, vessels
- **Tracks catch** by fisher, date, gear, location, species
 - Optionally tracks fish maturity, markings, releases

A'Tlegay Catch Monitoring Database

What does it do?

- Provides in- and post-season catch reports

Graphs of catch, effort, CPUE




A'Tlegay Catch Monitoring Database

What else can it do?

- Issues:

**Fishing Permits &
Transport Permits**

**and/or Designation
Cards & Letters...**

**FRASER FIRST NATION**
Address, Fraser River, BC, ZIP 607
Tel: 250-999-9999

FISH TRANSPORT AUTHORIZATION

NAME: **CHIP CHAR**YEAR: **2010**
BAND: **Northern Shuswap Tribal Council**STATUS:
ADDR:PERMIT: **FF100012**

This Fraser First Nation FSC transportation permit authorizes the permit holder to transport Food, Social and Ceremonial caught fish only to the specified location during the specified time period for domestic use only. This permit is not transferable and the amounts identified for species must match the amount being transferred. Transport sale is not permitted.

Species	Amount
Sockeye	1000 lbs
Coho	
Pinks	500 pcs
Chum	
Chinook	38 cans
Other	

FROM: **Here**

TO: **There**

DATES: **10-Jul-10**EXPIRY DATE: **13-Jul-10**

NOTES: **Fresh frozen. CN canned.**

I hereby declare that I have read and understand the terms and conditions set forth and agree to full compliance to exercising this permit.

12-Oct-2010

DATE ISSUED

SIGNATURE OF FISHER

SIGNATURE OF FRASER FIRST NATION RESOURCE MANAGER

A'Tlegay Catch Monitoring Database

Anything else?

Licence Catch Data Issue Permits
 Licence BCI-UFR09-CL04-NST Year 2009 Start Date 01-Jul-2009 End Date 31-May-2010 EDIT MODE

Find Interviews : Sort By: Interview Set: 2 of 152 New Interview Set Print Interview Set Delete Interview Set

Mgmt Unit (Lake or River) Fraser Catch Monitor Guardian, Gus Secondary Monitor Watchman, Walter Start of Shift 19:00 End of Shift 2:00 Sheet ID 97

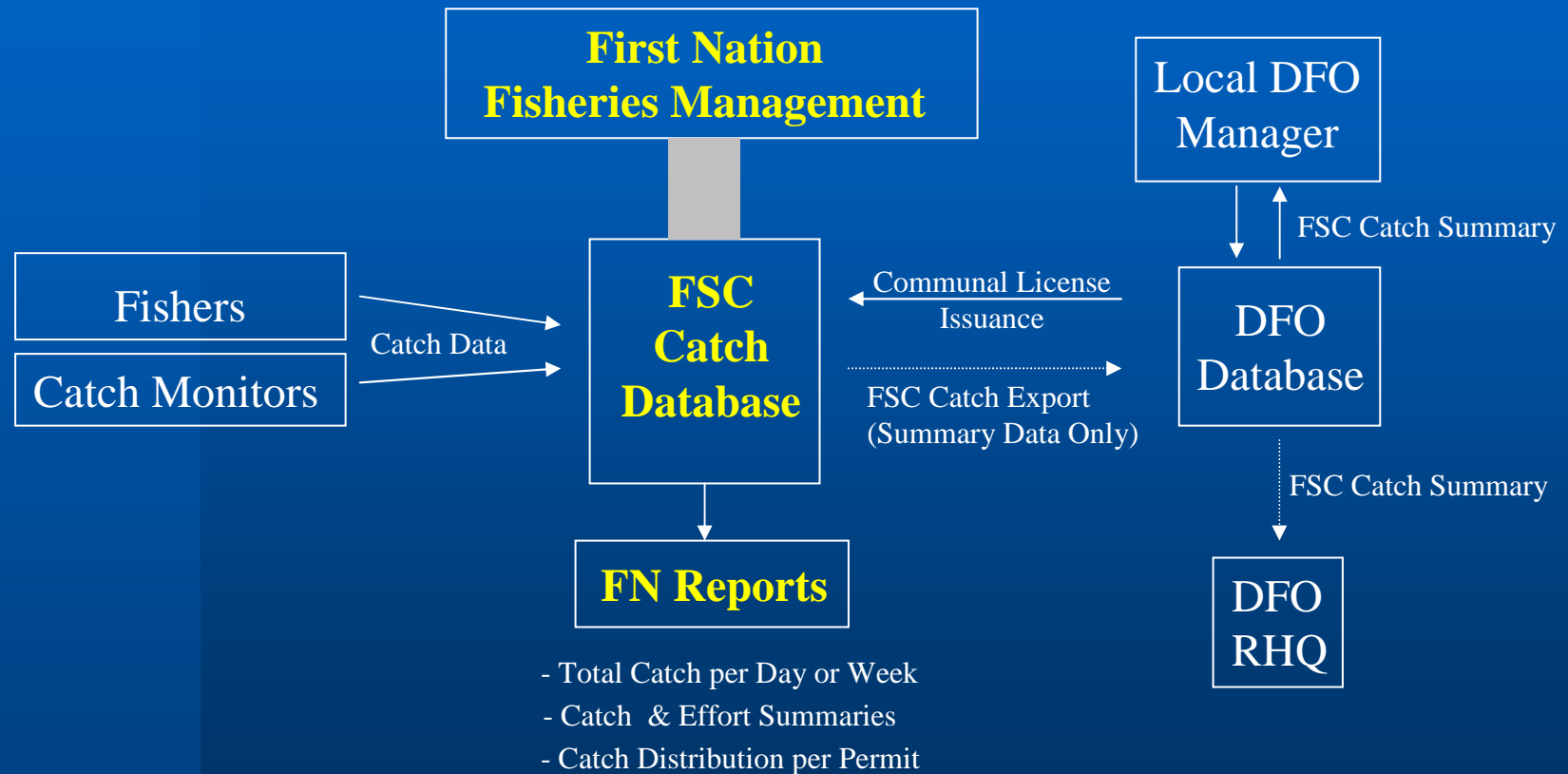
REF	Fishing Site	Member Band or Fisher	INTERVIEW Date	INTERVIEW Time	START of Fishing Date	START of Fishing Time	END of Fishing Date	END of Fishing Time	Hrs Fished	GEAR Type	No.	SOCKEYE Kept	SOCKEYE Rel	CHINOOK Kept	CHINOOK Rel	COHO Kept	COHO Rel	Other Species	Hail?	Com plete?	Fishing Party	Permit	Note
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*	Nellis Point		23-Aug	22:20	23-Aug					DN	1	0	0	0	0	0	0	Other		?	?	P	N

→ Standardized data exchange with DFO via email exports

A'Tlegay Catch Monitoring Database

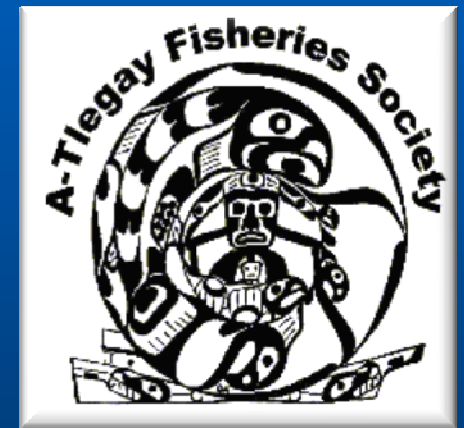
- Software tool for FN catch data management
- Census-type catch monitoring programs
- Catch & effort tracked by communal licence, permit, or designation card
- Data analysis and reports for FN
- Data exchange with DFO

A'Tlegay Catch Monitoring Database



A'Tlegay Catch Monitoring Database

- **FSWP Partner** (2008-2010) for:
 - Improved catch monitoring
 - Capacity development
 - **Integrated co-management**
 - Sustainable in-season Fraser fisheries management

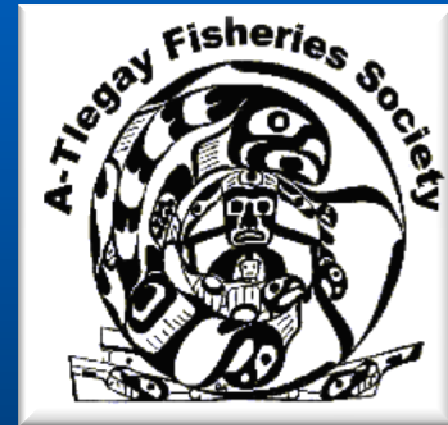


Fraser Salmon & Watersheds Program



FSWP Project Goals

- Strategies/technologies to reduce impacts on weak fish stocks
- Coordination, collaboration and fisheries information exchange
- New assessment approaches for in-season fisheries management



Fraser Salmon & Watersheds Program



A'Tlegay Catch Monitoring Database

Benefits to First Nations

– Manage Communal FSC Needs

- Track communal fish requests, and fish distribution
 - Document shortfalls regarding allocations
 - Improve data reliability for treaty table negotiations

– Use with Non-FSC Harvest Data

- Economic opportunity fisheries
- Experimental fisheries
- Research-based (test) fisheries

A'Tlegay Catch Monitoring Database

- **Long-term Benefits to First Nations**

- Builds technical capacity and skill-sets
- Elevates fisheries management role of First Nations
- Promotes workable solutions on allocations of shared fisheries resources between First Nations
- Assists in conservation and rebuilding of fishery resources
- Affirms aboriginal legal rights and title and interests in resources

Current Users – South Coast (2007)

- **A'Tlegay** (Campbell River)
- **Nam'gis** (Alert Bay)
- **Tseshaht** (Port Alberni)
- **Hupacasath** (Port Alberni)
- **Pacheedaht** (Port Renfrew)
- **Ahousaht** (Flores Island)
- **Hesquiaht** (Hotsprings)
- **Sechelt** (Sunshine Coast)
- **Sliammon** (Powell River)

Current Users – Central Coast (2009)

- OKHN Tribal Council
 - **Wuikinuxw** (Rivers Inlet)
 - **Kitasoo / Xaixais** (Kitasoo)
 - **Heiltsuk** (Bella Bella)
 - **Nuxalk** (Bella Coola)

Current Users – North Coast (2010)

- **Skeena FN Fisheries Society**
 - **Metlakatla** (Fort Simpson)
 - **Laxkw'Alaams** (Prince Rupert)
 - **Git-ga'at** (Hartley Bay)
 - **Kitsumkalum** (Kitimat)

Current Users – Fraser - 2008-2010

- **Fraser First Nations (FSWP Project)**
 - **Northern Shuswap Tribal Council**
 - **Tsilhqot'in National Government**
 - **Carrier Sekani Tribal Council**
 - **Tl'azt'en First Nation**
 - **Esketemc First Nation**
 - **Lheidli T'enneh First Nation**
 - **Tsawwassen First Nation**
 - **Musqueam First Nation**

Project Resources

- **FSWP / A'Tlegay Fisheries Society provides:**
 - FSC Catch DBMS program
 - Installation, training, technical support
- **Participating FN Fisheries Office provides:**
 - Computer hardware & MS-Office software
 - Personnel - DBA and Data Technician(s)
 - Long-term db maintenance and customization costs
- **AAROM (?) body provides:**
 - Regional Data Management Advisor (recommended)

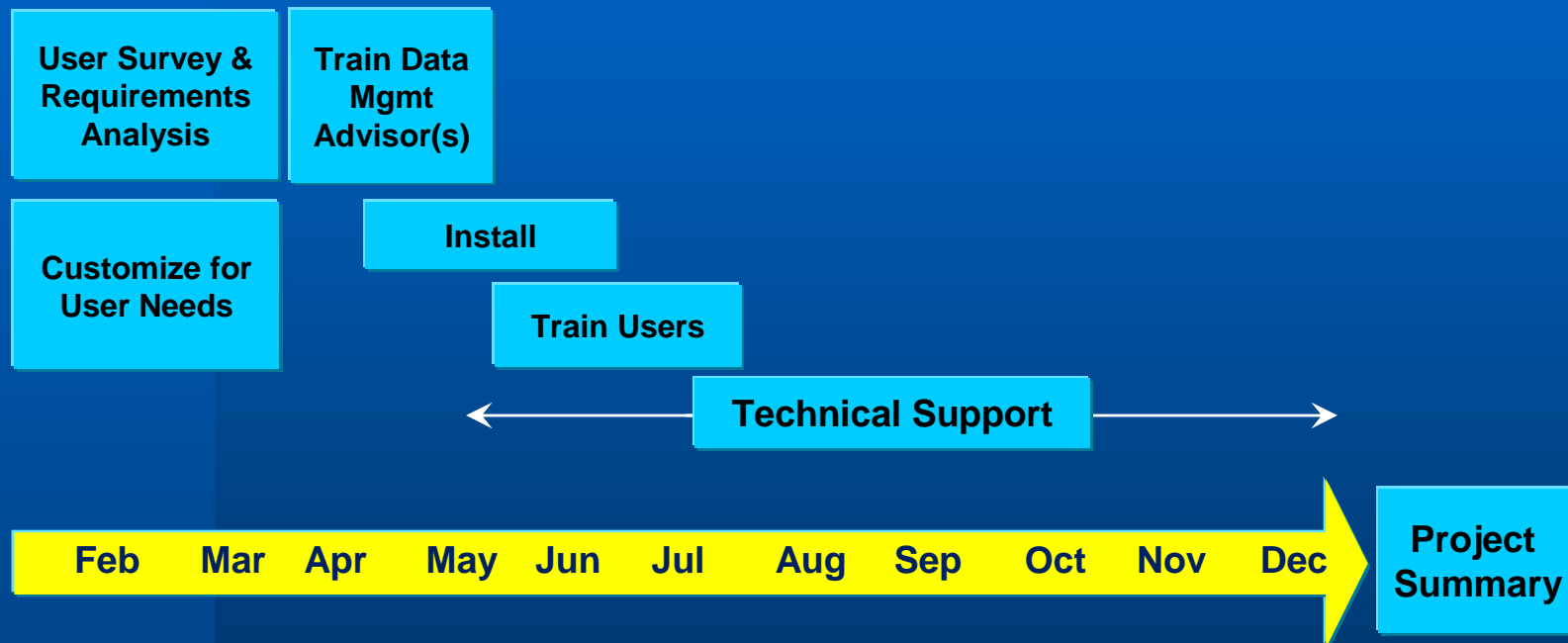
Database System Requirements

- **Computer:** Pentium 4 processor or better
- **Hard disk:** minimum of 40 Mb of free disk space
- **Monitor:** screen resolution 1024 x 768 or higher
- **Internet:** Hi-speed for technical support
- **Software:** MS-Office Professional
 - 2002/2003 (XP) or 2007, including:
 - MS-Access (optional)
 - MS-Outlook (optional)

Project Methodology

1. **Perform User Survey – assess capacity**
2. **Selection Process - prioritization**
3. **User Requirements Analysis – assess needs**
4. **Customized DBMS Upgrades**
5. **Database Installation & Training**
6. **Technical Support**
 - **Online Meeting technology** (remote)
 - **Data Management Advisor** (local / remote)

Deployment Schedule – 2011



A'Tlegay Contact Information

- **A'Tlegay Fisheries Society**

Kim Duncan – Fisheries Manager

- 1441-B 16th Avenue
- Campbell River, BC V9W 2E4
- 250-287-8868
- atlegay@oberon.ark.com

Howard Stiff – Systems Analyst / Database Development

- 250-247-8258
- watercolour@shaw.ca