FSC Catch Database
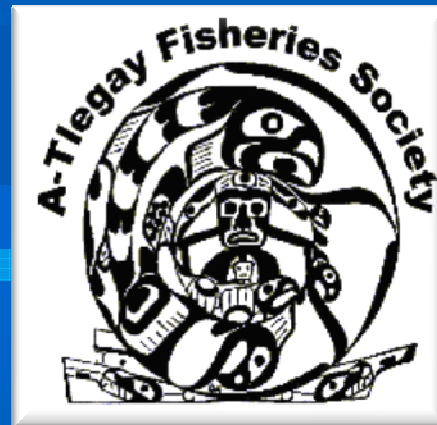
Catch Monitoring Program

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?

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

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A'Tlegay Catch Monitoring Database

What does it do?

- **Provides in- and post-season catch reports**

  Graphs of catch, effort, CPUE
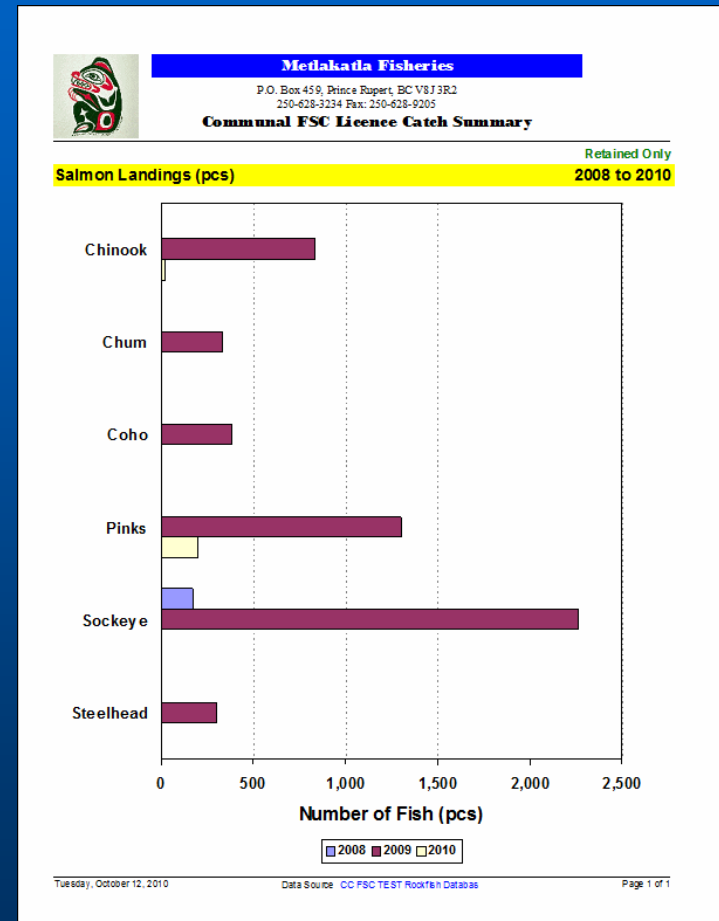
A'Tlegay Catch Monitoring Database

What else can it do?

● **Issues:**

Fishing Permits & Transport Permits

and/or Designation Cards & Letters…

A'Tlegay Catch Monitoring Database

Anything else?

→ **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

First Nation Fisheries Management

Local DFO Manager

FSC Catch Database

Fishers

Catch Monitors

Catch Data

Communal License Issuance

FSC Catch Export (Summary Data Only)

FSC Catch Summary

DFO Database

FN Reports

- Total Catch per Day or Week
- Catch & Effort Summaries
- Catch Distribution per Permit

FSC Catch Summary

DFO RHQ

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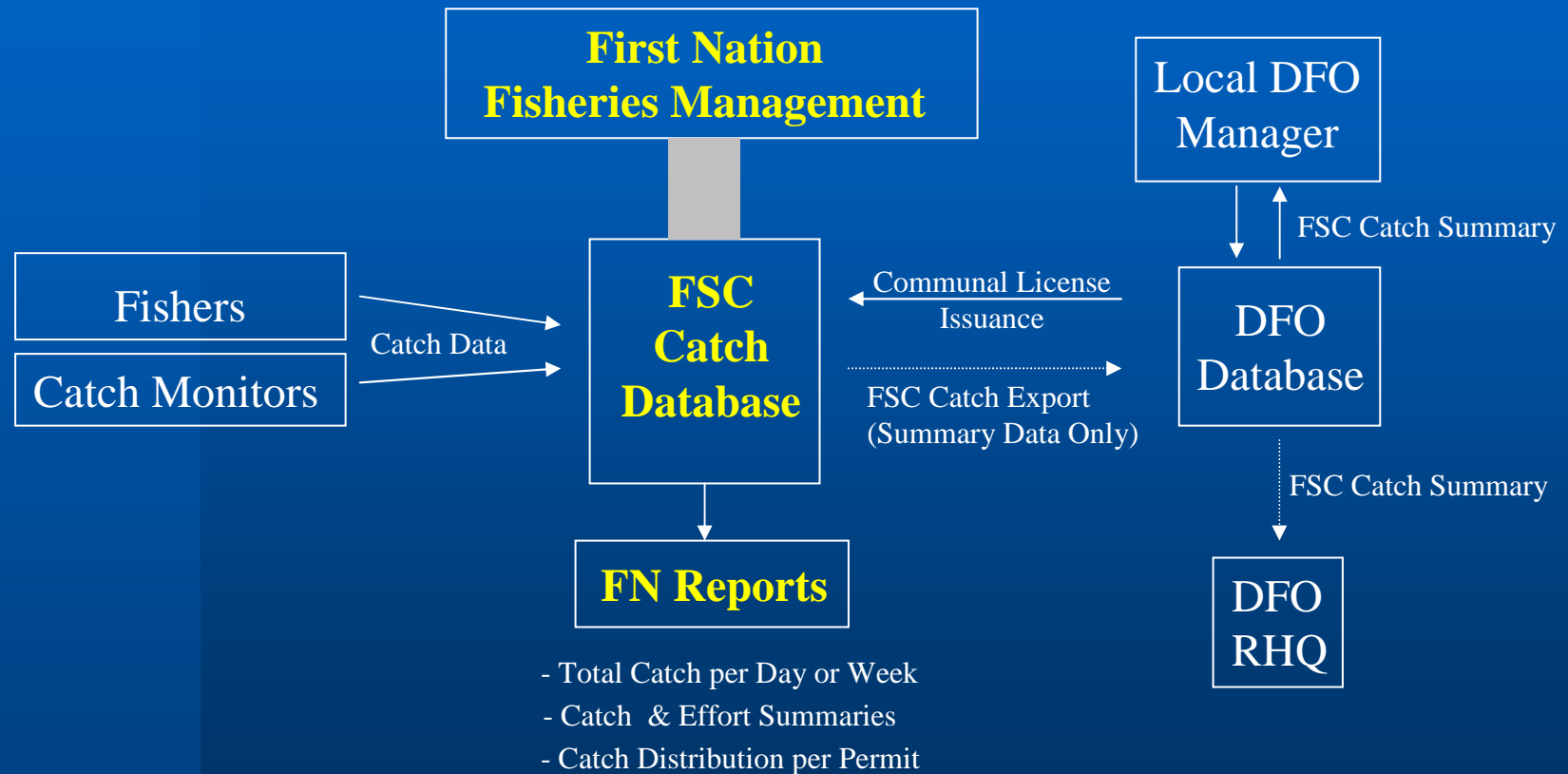
A'Tlegay Catch Monitoring Database

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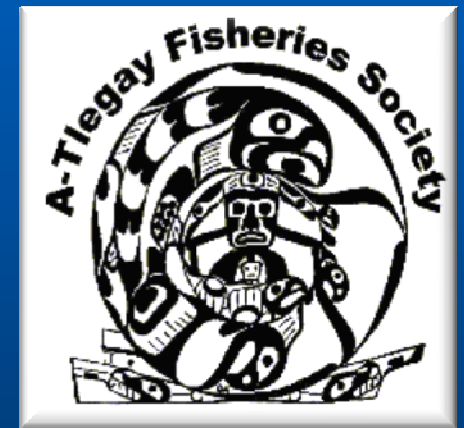
Fraser Salmon & Watersheds Program

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
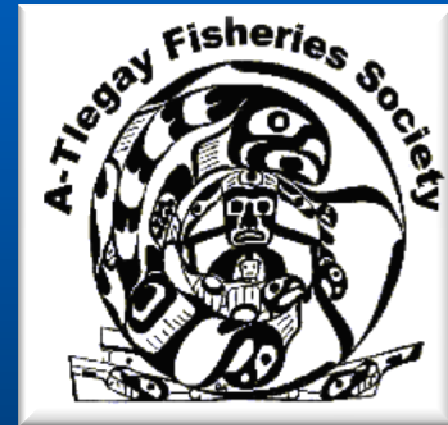
Fraser Salmon & Watersheds Program

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**

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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)
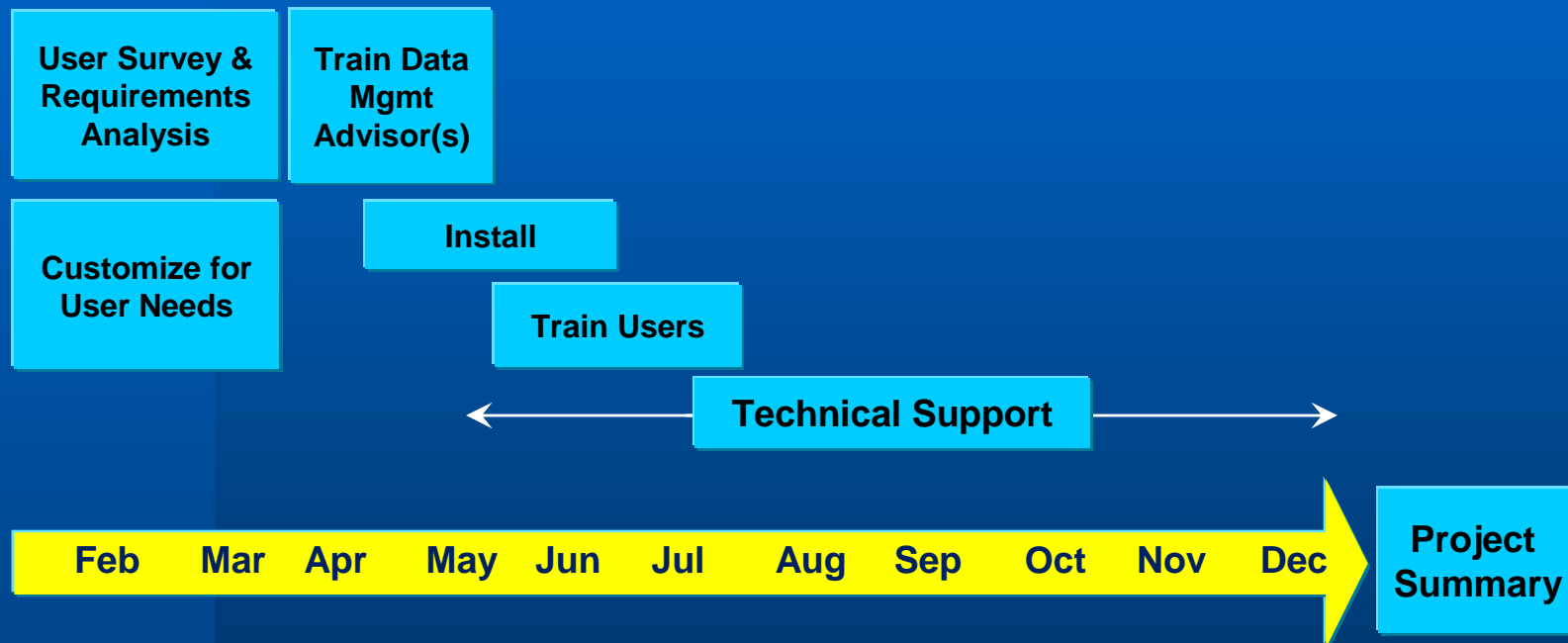
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Database System Requirements

- **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

User Survey & Requirements Analysis

Train Data Mgmt Advisor(s)

Customize for User Needs

Install

Train Users

← Technical Support →

Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec →

Project Summary

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A'Tlegay Contact Information

- **A'Tlegay Fisheries Society**

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