

# 2010 General Council Meeting

2009 Accomplishments

Merle Jefferson

LNR Executive Director

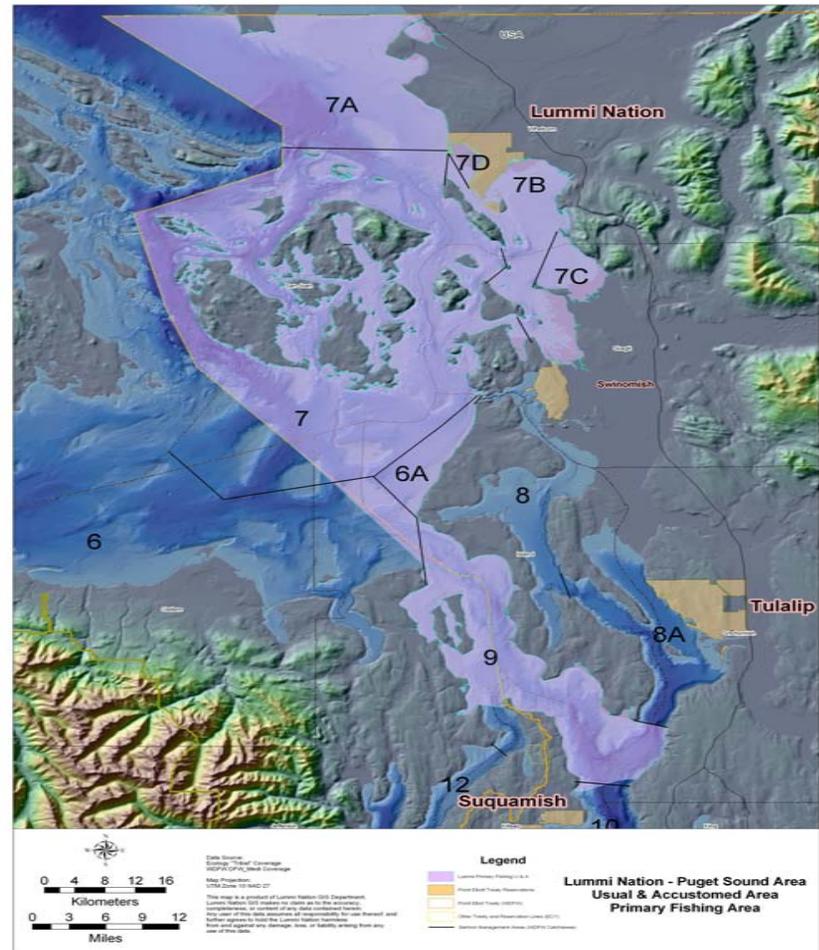
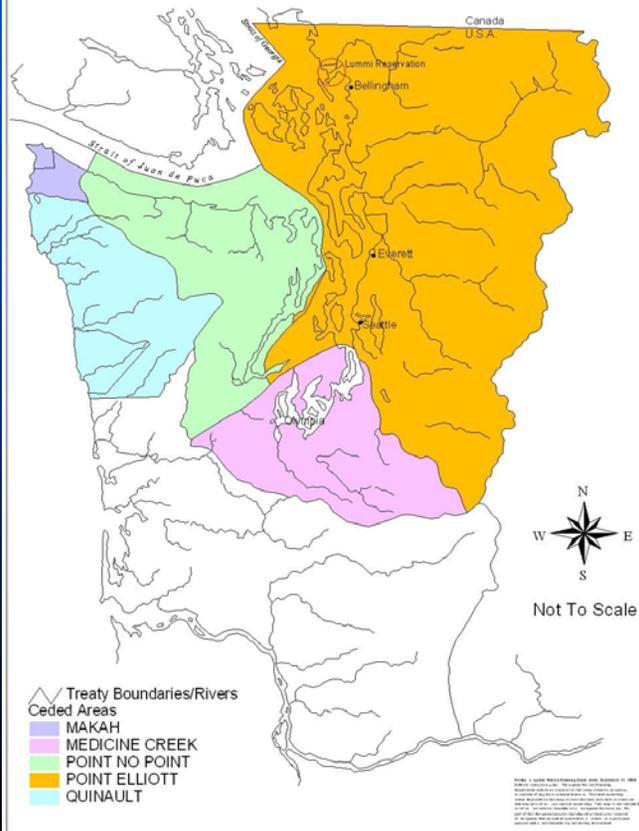
# LNR MISSION

- We are the caretakers of our traditional territory to protect, manage, and enhance the natural resources into perpetuity for the benefit of the Lummi people in accordance with the policy and procedures of the Lummi Nation.



# Lummi Territory and U&A

## Ceded Areas Point Elliot Treaty-1855



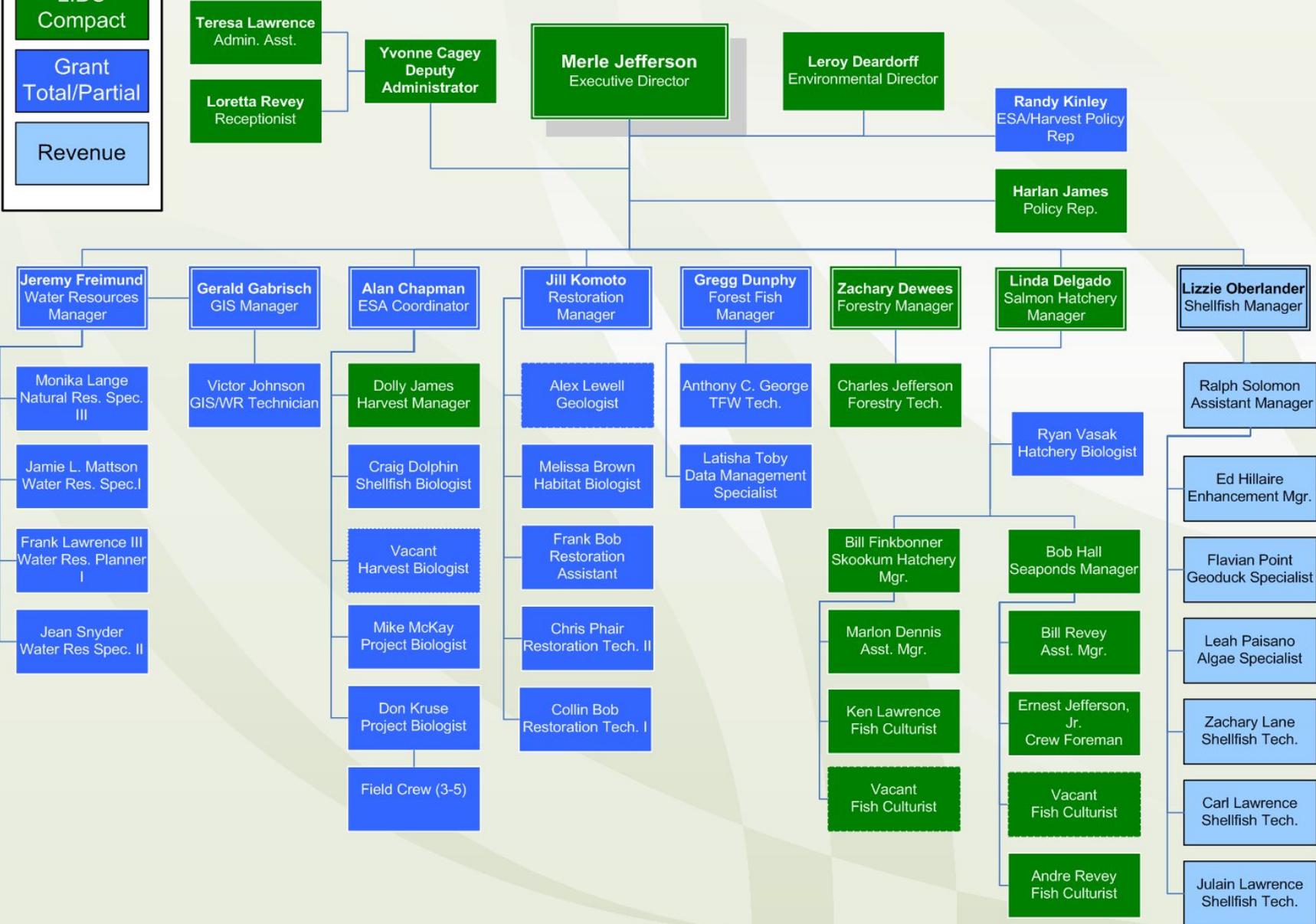
# Employee Status 51 Full Time

- Non                      Tribal
- 17 (33%)                      34 (66%)
- Professional Status
- Masters- 8
- BS/BA-11
- Over 25 Years-10

# Lummi Natural Resources Funding Sources Jan 2010

**Legend**

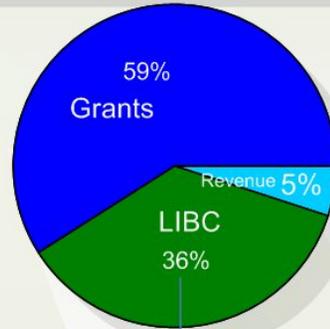
- LIBC Compact
- Grant Total/Partial
- Revenue



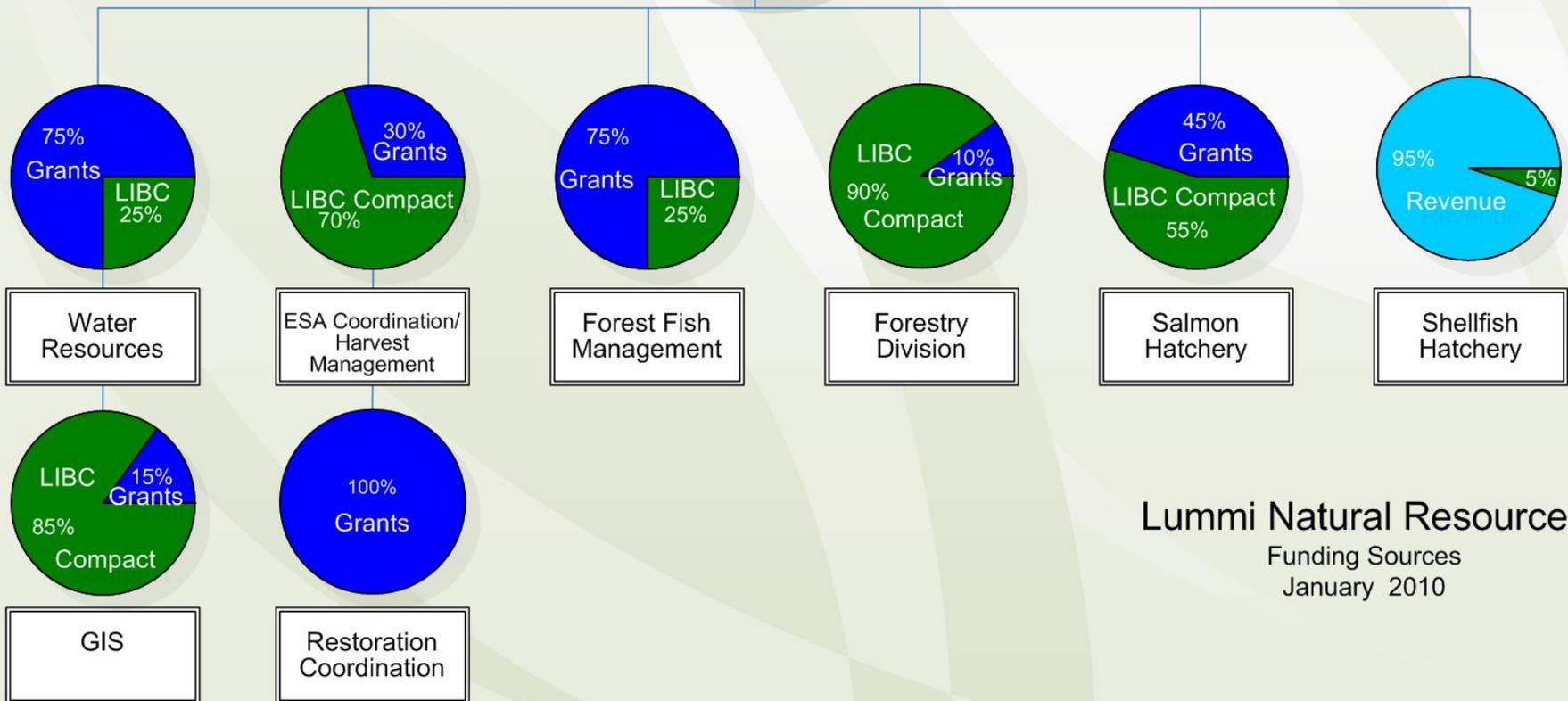
# Grants vs. LIBC Funding

## Budget Summary 2009

LNR Total LIBC compact	\$ 1,404,948
LNR Total LIBC non-compact	\$ 2,889,594
LNR Total Grants:	\$ 7,000,000
LNR Total Revenue:	\$ 600,000
<b>LNR Total</b>	<b>\$ 11,894,542</b>



Lummi Natural Resources Department Total



Lummi Natural Resources

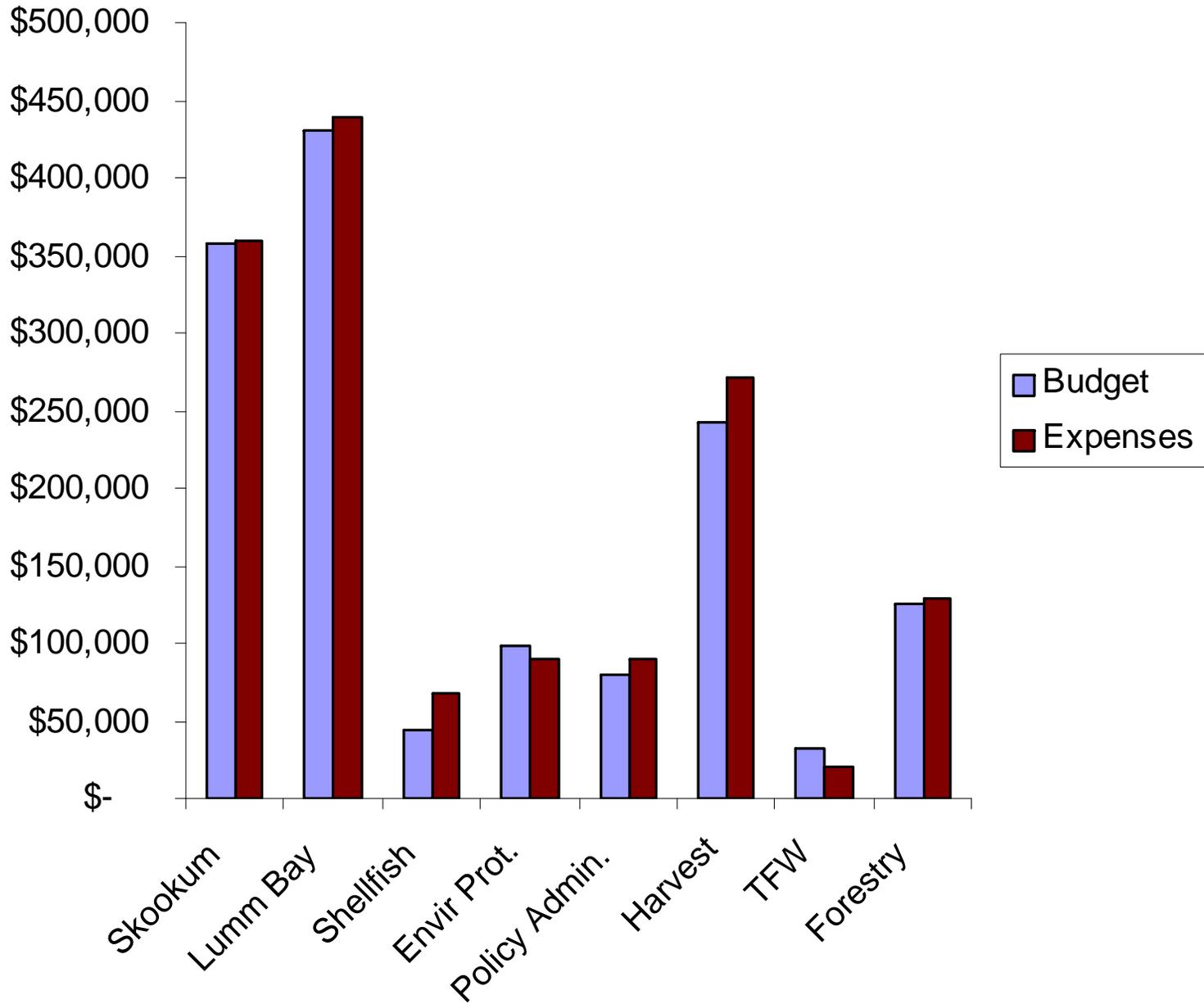
Funding Sources  
January 2010

# 2009 LNR Compact Budgets

## Expenditures

Departments	2009 Budgets	Budget Expense	Percent
Skookum	\$ 357,266	\$ 359,170	101%
Lumm Bay	\$ 430,952	\$ 438,560	102%
Shellfish	\$ 43,693	\$ 68,594	157%
Envir Prot.	\$ 98,390	\$ 89,375	91%
Policy Admin.	\$ 79,697	\$ 89,553	112%
Harvest	\$ 242,536	\$ 271,060	112%
TFW	\$ 32,392	\$ 20,000	62%
Forestry	\$ 125,985	\$ 128,199	102%
Total	\$ 1,410,911	\$ 1,464,511	104%

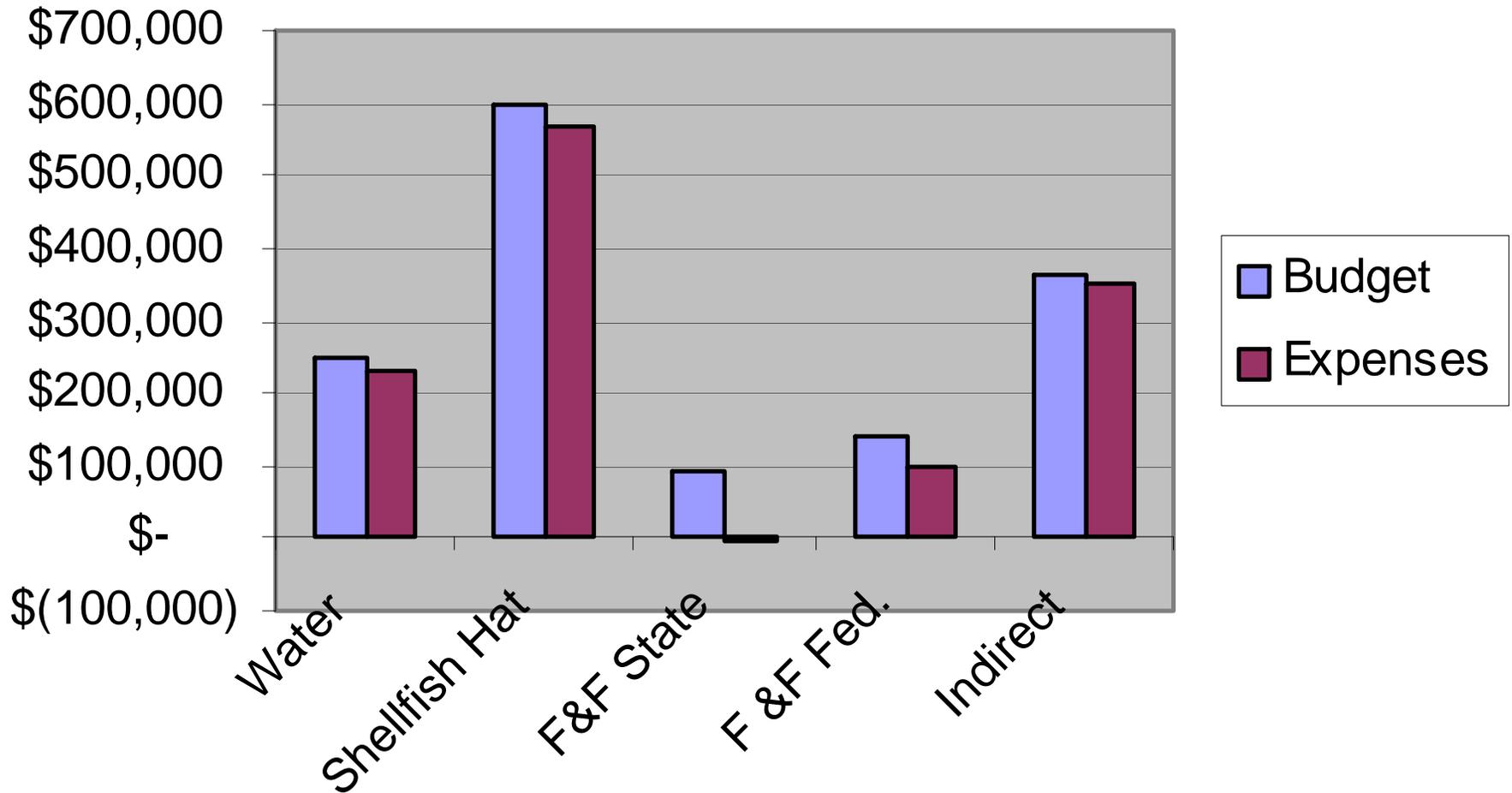
# 2009 LNR Compact Expenses



# 2009 Non-compact Budgets Expenditures

<b>Departments</b>	<b>2009 Budgets</b>	<b>Budget Expense</b>	<b>Percent</b>
Water	\$ 248,206	\$ 229,643	93%
Shellfish Hat	\$ 600,000	\$ 566,779	94%
F&F State	\$ 89,821	\$ (3,886)	-4%
F &F Fed.	\$ 140,108	\$ 98,358	70%
Indirect	\$ 361,608	\$ 352,608	98%
<b>Totals</b>	<b>\$ 1,439,743</b>	<b>\$ 1,013,860</b>	<b>70%</b>

## LNR 2009 Non-Compact Expenses



# LNR Ten Times Responsibilities

1. Water Rights On and Off-Reservation	17. FEMA/Slater Road/Sandy Point
2. Sandy Pt. Bulkheads and Channel	18. Skookum Intake
3. Endangered Species Act & Treaty Rights	19. Culvert Case
4. Salmon Recovery	20. Wetland Mitigation Banking
5. Grant Administration	21. Fish Disaster
6. Bellingham Bay/GP	22. Clean Water Act & Title 17
7. Portage Bay Shellfish	23. Hunting Rights
8. Cherry Point (New Projects)	24. Harvest Management
9. Forestry Issues	<ul style="list-style-type: none"> <li>● Salmon</li> </ul>
10. Nooksack River Pump	<ul style="list-style-type: none"> <li>● Crab</li> </ul>
11. US/Canada	<ul style="list-style-type: none"> <li>● Shrimp</li> </ul>
12. Lake Terrell Water Sys.	<ul style="list-style-type: none"> <li>● Halibut</li> </ul>
13. BP Oil Refinery -Booming	<ul style="list-style-type: none"> <li>● Clams, Oysters, Geoduck</li> </ul>
14. Conoco Phillips - Booming	<ul style="list-style-type: none"> <li>● Sea Urchin</li> </ul>
15. Shellfish Hatchery Budget	<ul style="list-style-type: none"> <li>● Sea Cucumber</li> </ul>
16. Lummi Auto Wrecking	<ul style="list-style-type: none"> <li>● Intertribal and WDFW Disputes</li> </ul>

# Water Resources

- Surface /Ground Water Quality Monitoring
- Oil Spill Response program/ Two drills a year
- Nooksack Water Rights/ In Stream Flow has substantial progress/ 3-5 years out
- Tideland Case - 9<sup>th</sup> Circuit up held district court ruling
- Hosted Native American Rights/Western State Water Council
- Secured \$614,000 in new grants
- Lummi Wetland program 80% complete



Flood Management



Wetland Mitigation Bank



Tsunami Warning



Water Quality



Spill Response



Log Jam



Tidelands

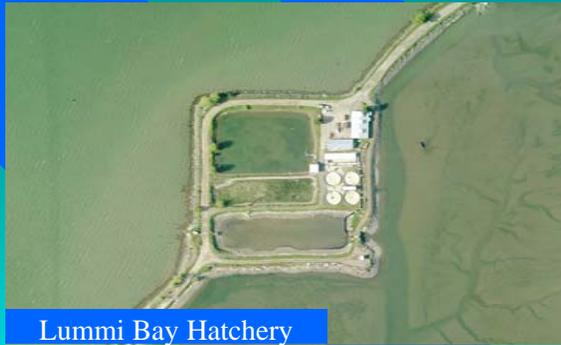


Water Rights

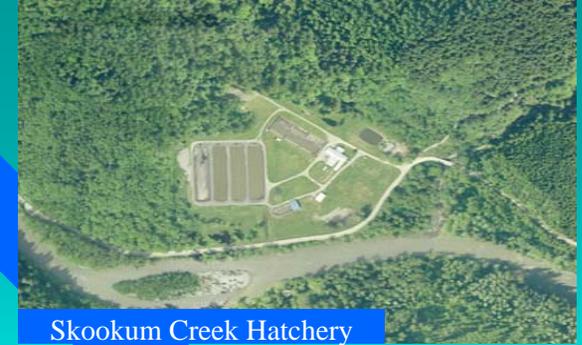
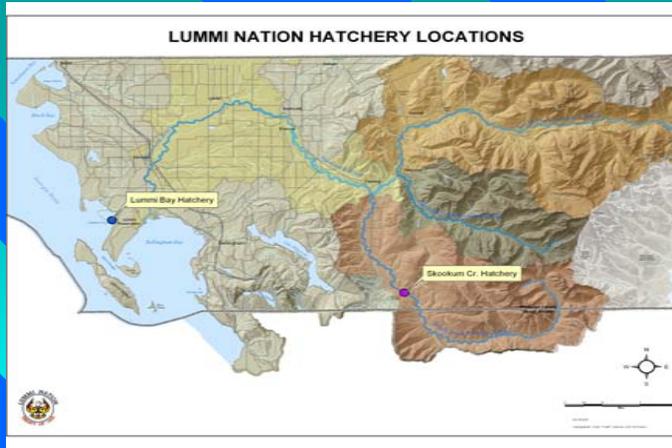
# Salmon Enhancement

- One Million Coho Released at Lummi Bay
- One Million Coho Released at Skookum Hatchery
- 500K Fall Chinook Released in Lummi Bay
- 500K Fall Chinook Released in Bertrand Creek
- 3 new pumps and pump house at the Nooksack River Pump Station
- \$65,000 Grant Awarded from BIA Cyclical Maintenance program
- \$800,000 Grant Awarded from Hatchery Reform for Skookum Intake
- Over Two Million Coho Eyed Eggs for program
- 870,000 Fall Chinook Fry transferred from Samish Hatchery

# Lummi Nation Salmon Enhancement Program



Lummi Bay Hatchery



Skookum Creek Hatchery



Spawning coho



Rearing ponds in operation



Egg incubation



The Return!



Daily pond maintenance



Baby salmon



Mass marking



Coho fry at Skookum Creek Hatchery



Seining up juveniles



# Shellfish Enhancement

- Total Sales \$580,000 Expenditures \$575,000
- 8 Full Time Employees 25 Seasonal Clam Dredgers
- 1000 Oyster Bags, plus 3 Million clam seed planted on tribal tidal flats
- 1.4 Million Geoduck Seed Sold
- 2 Million Kumamoto Seed sales for 2010
- 2 million Softshell Seed sale for 2010
- 60,000 lbs. Sea Pond Clam Harvest is low because of flood, freezing and vegetation in the pond. (80,000lbs goal)
- \$50,000 Grant Awarded from CTED

# Lummi Bay Seapond



Manila Clams



Pacific Oysters



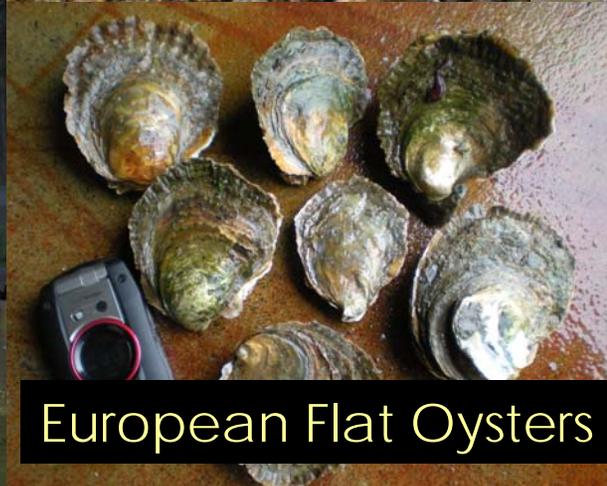
Geoduck seed



Softshell Clam Spat



Algae Culture



European Flat Oysters

# Harvest Management

- Negotiated 18 Agreements
- Registered 537 Fishers and issued 423 Validations
- Filed 70 Regulations, 129 Hotlines
- Entered and reconciled 10,960 Fish Tickets
- Landings up 2 million pounds
- Value up a million dollars
- Sampled salmon and halibut fisheries

# ESA Stock Assessment

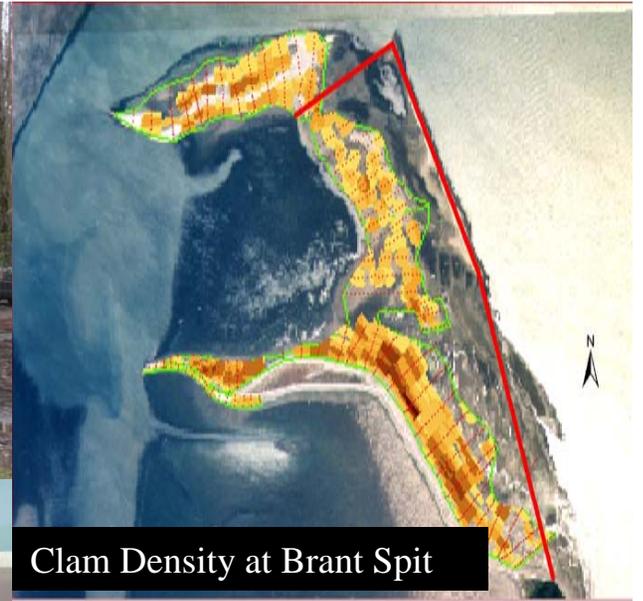
- SF Chinook captive Brood Program – 1383 juveniles
- Grants \$600K
- Participate in Puget Sound Partnership
- Minimized impact of ESA listing of Bull Trout, Chinook, Steelhead, Killer Whales, Murrelets, and Sturgeon
- Smolt Trap salmon production estimates
- Spawning ground surveys and chinook estimates
- Research to identify Chinook juvenile limiting factors



Pinks at Point Roberts



Coho are Running



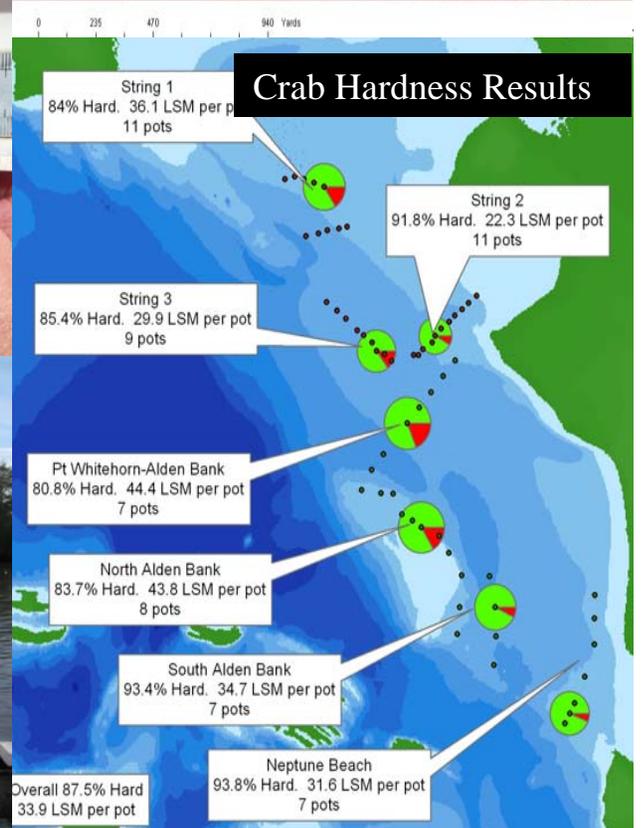
Clam Density at Brant Spit



Engineered Log Jam



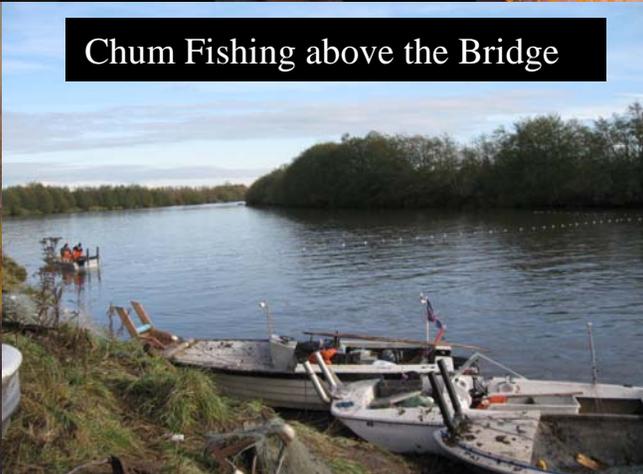
Juvenile Chinook



Crab Hardness Results



Digging for Otoliths



Chum Fishing above the Bridge

# Value Of Lummi Catch

Species	2004	2005	2006	2007	2008	2009
Crab	\$3,116,641	\$2,640,220	\$3,071,467	\$3,981,840	\$4,644,044	\$5,266,223
Pink	\$1	\$49,675	\$0	\$130,443	\$24	\$713,858
Sea Cucum	\$186,556	\$522,164	\$249,657	\$166,037	\$258,111	\$482,149
Coho (Silver)	\$494,214	\$168,306	\$189,493	\$342,228	\$364,477	\$362,047
Chinook	\$129,299	\$170,183	\$330,419	\$434,933	\$424,222	\$259,580
Manila Clam	\$212,289	\$435,269	\$476,828	\$384,571	\$357,745	\$216,684
Geoduck	\$88,419	\$82,268	\$88,058		\$163,117	\$130,708
HALIBUT	\$46,942	\$167,981	\$247,005	\$357,777	\$247,536	\$129,205
Spot Shrimp	\$110,890	\$122,644	\$149,761	\$131,317	\$119,226	\$112,154
Chum	\$243,553	\$194,705	\$217,226	\$300,590	\$331,103	\$62,517
Sockeye	\$348,323	\$488,092	\$1,673,234	\$0	\$39,603	\$0
Misc	\$27,886	\$18,989	\$13,358	\$13,859	\$10,507	\$1,920
<b>Total</b>	<b>\$5,005,014</b>	<b>\$5,060,494</b>	<b>\$6,706,507</b>	<b>\$6,243,595</b>	<b>\$6,959,714</b>	<b>\$7,737,045</b>

# ESA Restoration

- ❑ \$4,186,645 Million Grants
  - \$3,529,222 Smugglers slough
  - \$429,040 Skookum Reach
  - \$150,405 Saxton Reach
- ❑ Installed 7 Logjams
- ❑ 5 Acres Wetland Restoration

# Watershed Restoration

Logjam construction



Thinning



Ballasted Cribbing Logjam



Staging logs via helicopter



Tree planting



Smugglers Slough



# Forestry

- 3 Acres Timber Harvest
- 36 Acres Tree Planting
- 55 Acres Bruch Control for Seedlings
- 12 Timber Cutting Permitts
- 6 Burn Permits
- 7 Firewood Permits
- 38 Beachwood Permits
- Completed New Version of Lummi Forest Management Plan
- Responded to 3 Wildfires



**Timber Sales**



**Site Preparation**



**Commercial Thinning**



**Pre-Commercial Thinning**



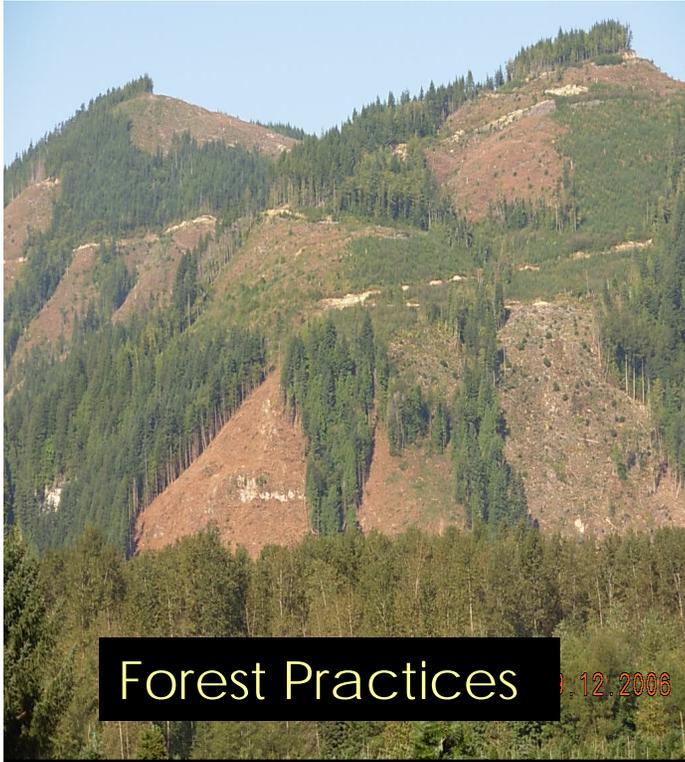
**Tree Planting**



**Vegetation Management**

# TFW

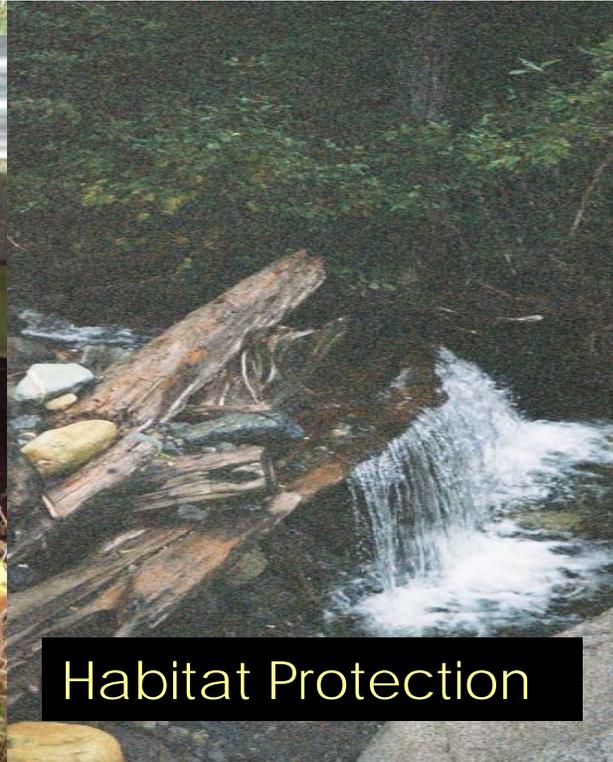
- Reviewed and mapped 500 Forest Practice Applications
- Developed a Water Temperature program for upper Nooksack River
- Participated in Culvert assessment team
- Technical Lead for Inter tribal Hunting
- Monitor and Review Department of Transportation projects



Forest Practices 9.12.2006



Monitoring



Habitat Protection



Road work



ID Teams

# GUIDING PRINCIPLES

- 1855 POINT ELLIOT TREATY
- LUMMI CONSTITUTION
- TITLE 10
- LIBC RESOLUTION
- PACIFIC SALMON TREATY
- WINTER'S DOCTRINE
- CLEAN WATER ACT
- SAFE DRINKING WATER ACT
- SHELLFISH SANITATION
- LUMMI PERSONNEL POLICY
- Title 28
- U.S. -V- WASH.
- SHELLFISH DECISION
- ESA
- INDIAN FOREST ACT
- FEDERAL LAW
- STATE LAW
- OTHER LIBC CODES

# FISH IS CULTURE OUR WAY OF LIFE



# Lummi is a Fishing Tribe



**THE END**

**THANK YOU  
SEE YOU NEXT YEAR!!**