



Conservation & Protection- Aquaculture Unit



C&P Aquaculture Unit (BCARP)

- Area Chief (Campbell River)- Claire Doucette
- Senior Compliance Officer (Nanaimo)- Neil Jensen
- Senior Compliance Officer (Campbell River)- A/Kirsty Walde
- Detachment Supervisor (Campbell River)- Joe Knight
- Field Supervisor (Campbell River)- Greg Plummer
- Fishery Officers(Campbell River)- Ari Turunen, Dan Tomlinson, Kirsty Walde, Garth Sinclair (Carla Neuman)
- New Fishery Officer (Campbell River) – Sydney Cappus



Detachment Area- ENTIRE Pacific Region!



- 6 operational Fishery Officers to cover the equivalent of area of the ENTIRE Pacific Region covered by 27 Field Offices and over 114 Fishery Officers



Roles & Responsibilities





Observe, Record, Report Increases

- Record number of ORRs received by upland owners/citizens near AQSFS tenures
- Complaints of pred net entanglements, off tenure activities, fish kills, debris
- Some investigations have resulted from calls
- ID'd need to:
 - Identify and convey roles and responsibilities for agencies
 - Triage system for occurrences (internal and external)



Fish & Wildlife-Entanglement/Entrapment



- AQSFS Condition of Licence

s.7.3 The licence holder shall ensure that predator exclusion devices are constructed and maintained to prevent entrapment and avoid potential injury to fish species or wildlife; and to function as intended.





Floating Predator Nets



- Create vertical "gillnet", increasing entanglement/entrapment issues



Fish Entrapments/Entanglements



- Fisheries Act
Serious harm to fish
35 (1) No person shall carry on any work, undertaking or activity that results in serious harm to fish...





Illegal Crab Traps & Incidental Catch



- AQS Condition of Licence

- s.6 Incidental Catch

- 6.1 With the exception of Varnish Clam, which may be retained, and licenced species as prescribed in 4.1(b), every person who catches a fish incidentally must immediately return it to the water in a manner that causes it the least harm.

- BCSFR (Sport Fishing Regs)

- 41 No person shall fish with a crab trap unless the trap has a means of escape (specific size, rot cord)

- 41.1 No person shall set, operate or leave unattended in the water any ring net or any crab trap unless the tag, float or buoy attached to the ring net or trap bears the operator's name. *REQUIRE VALID BCSF LICENCE*



Language Challenges

- Large percentage of AQS industry workers do not read or write English, creating difficulties:
 - Communicating with DFO aqua staff
 - Reading/understanding AQS Conditions of Licence
 - Inspections by Fishery Officers
 - Investigations
 - Reporting requirements





Risks associated with Language Barriers

- Results in:
 - Potential low compliance with AQSF COL
 - Public Health issue risk (inability to read/action closures, COLs)
 - Difficulties in investigations (statements, Charter issues)
 - Mitigation efforts
 - Incomplete reporting- AASR, Shellfish Management Plans
- Response?
 - Communications Working Group formed to assist in addressing issues



Debris

- Engage in proactive “Big Beach Clean Up”
- Feedback into Debris Strategy
- Engage with AAA for clean up at First Nation AQSF sites (Nootka)





Unlicensed Sites- Expired or Abandoned



- Ensure no cultivating activities without licence
- Current investigations involving violations of PAR s.7
- Accountability for clean up



2017/18 Priorities

65% C&P Effort AQSF (24% AQMFF, 10% AQFW)

- ❖ **Depuration/Relay Fisheries**
 - 100% of active licences (15),
 - Harvest Notifications, Signage, Open area
- ❖ **Facility Site Inspections**
 - Processing Plants,
 - Offload Locations,
 - Licenced Facilities
- ❖ **Harvest Inspections**
 - Tagging, Logbook
 - Onboard Waste,
 - ZDW, CSSP/PSP, Vibrio/Noro, Licencing and Species.



Inspections focused on High Risk/Priority conditions and species.



In Season Report- 2017 Shellfish Priorities

- ❖ CSSP
 - Vibrio, Noro and E.Coli closures
 - ZDW (3 sites)
 - Onboard waste containment
 - Depuration/Relay fisheries
 - Tagging and traceability
- ❖ Lease Laundering
- ❖ Unlicensed sites
- ❖ ITC (SF hatcheries, AQSF)
 - Introductions, Transfer, Broodstock, Harvest



- AQSF accounted for **69%** of all patrol efforts for the C&P Aqua Unit for 2016/17



Monitoring Control and Surveillance

Increased compliance monitoring targeted to traceability and Public Health issues for the AQSF for the 2017/18 fiscal year (April 1st 2017– present).

- AQSF Patrols
 - 80 AQSF sites inspected
 - 51 people interviewed
- Include
 - CSSP closures
 - Noro/E Coli/Vibrio closures





CSSP



- **CSSP (Waste Water Treatment)**
 - 15 CSSP assignments
 - 232.0 FO hours, 15% effort
 - 15% of C&P Aquaculture Units efforts for all sectors
- **CSSP Patrols**
 - 18 dedicated CSSP patrols
 - 99.5 total patrol hours, 17% effort
 - 178.25 FO hours, 64 sites, 5 violations

