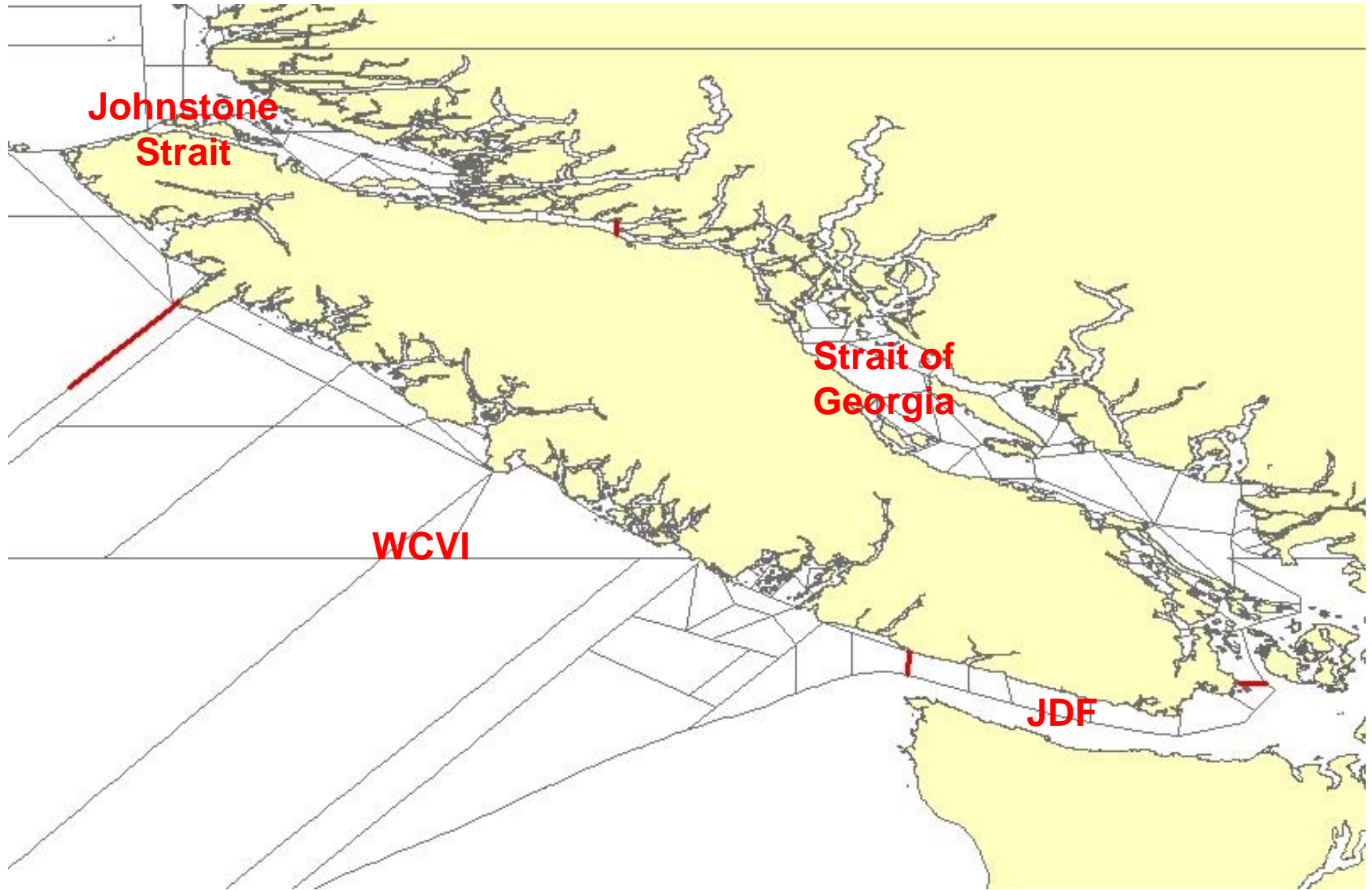


South Coast Area Commercial Catch Monitoring Programs



South Coast Area Commercial Catch Monitoring Programs

- Objectives and monitoring level:
 - Vary depending on the level of risk associated with the fishery in regards to potential impacts on stocks of concern and management requirements for level and frequency of catch reporting and monitoring. (High risk or low risk)



Components of Catch Monitoring Programs

- **Mandatory Logbook**

- Hail-in and Hail-out – requirement to hail-in prior to fishing and hail-out after fishing for all fisheries
- Logbook phone-in/e-log – requirement for all fisheries, typically a requirement to phone-in catch and release information on a daily basis. Refer to slide on logbook sample for level of reporting details.
- Catch reports include catch of target and bycatch species as well as on-grounds release estimates
- Additional daily Set Logs required in some fisheries (Area 14 Chum)

- **Validation**

- Charter Patrol Program (CPV) – on-grounds monitoring of catch and effort in some fisheries.
- 100% dockside validation of catch (DMP) – requirement in Area B Seine and Area H Troll Fraser Sockeye demonstration ITQ fishery.

Components of Catch Monitoring Programs

Additional programs:

- On-grounds fishery manager and observer coverage.
 - Area B Fraser Sockeye fishery in Area 20 and 29, includes set by set reporting.
 - At-Sea Observer (ASO) requirements for Area B Fraser Sockeye fisheries in Area 20 and 29, CSAF demonstration fisheries.
- Effort estimation:
 - sources of information includes overflights, on-grounds estimates by charter patrol (CPV) and Coast Guard vessels and hail-in reports

Biological Sampling of Catch

- Varies by fishery
- In-season DNA sampling of catch in Fraser Sockeye fisheries (Test vessels, offloads)
- DNA sampling of catch from Johnstone strait Chum Seine fishery and terminal Chum fisheries at offloads
- Chinook CWT recoveries – 20% sampling of catch in Area G troll Chinook fishery
- New CSAF fisheries usually have requirement for DNA sampling depending on risk (i.e. Area 14, Bute Inlet)

South Coast Area Commercial Catch Monitoring Programs

Fishery	Risk Level	DMP	CPV	Hail-in Hail-out	Logbook/ phone-in/ E-log	Catch reporting	Overflight effort	Bio- Sample
Fr SK Area B SN	high	100%	x	x	x	8am daily, or 2 hr prior to offload	x	x
Fr SK Area H TR	high	100%	x	x	x	8am daily, or 2hr prior to offload	x	x
Fr SK Area D GN	high		x	x	x	not later than 12 hours following the completion of a fishery opening	x	x
Fr SK Area E GN	high		x	x	x	8am daily		x
Barkley SK Area B SN	medium	100%	x	x	x	48 hr after stopping fishing or within 2 hours of landing.	Effort from on-grounds and hail-in reports	x
Barkley SK Area D GN	medium		x	x	x	not later than 12 hours following the completion of a fishery opening	Effort from on-grounds and hail-in reports	x

South Coast Area Commercial Catch Monitoring Programs

Fishery	Risk Level	DMP	CPV	Hail-in Hail-out	Logbook/ phone-in/ E-log	Catch reporting	Overflight effort	Bio-Sample
JST Chum Area B SN	low		x	x	x	48 hr after stopping fishing or within 2 hours of landing.	x	x
JST Chum Area H TR	low		x	x	x	8am daily, or 2hr prior to offload	x	
Terminal Chum SOG Area B SN	low			x	x	48 hr after stopping fishing or within 2 hours of landing.	Effort hail-in reports	x
Terminal Chum SOG Area D GN	low		x	x	x	not later than 12 hours following the completion of a fishery opening	Effort hail-in reports	x
Terminal Chum SOG Area E GN	low			x	x	8am daily	Effort hail-in reports	x
Terminal Chum SOG Area H TR	low			x	x	8am daily, or 2hr prior to offload	Effort hail-in reports	

South Coast Area Commercial Catch Monitoring Programs

Fishery	Risk Level	DMP	CPV	Hail-in Hail-out	Logbook/ phone-in/ E-log	Catch reporting	Overflight effort	Bio- Sam
Chinook- Area G TR WCVI-AABM	high, stock ID and bycatch concerns in summer months	CWT sampling of catch		x	x	8am daily, or 2 hr prior to offload	Occasionally, effort by hail-in and off-load reports	x

Gill Net Logbook

SALMON GILLNET Logbook I.D. # G42001 Report Catch to: 1-(888) 387-0007 Record all catch in pieces Page # 11111

Vessel Name:		Shirley May										VRN (CFV#):		12346												
Net Details		Type ¹ :	A		# Strands ² :	6		Length:	200 (fathoms)		Weedline Depth ³ :	30cm		Hang Ratio:	3:1		Mesh Size ³ :	4 7/8"		# Meshes:	90					
Daily Catch Records																										
Date		Mgmt. Area	Sub-area(s)	Hours Fished	# of sets	⁴ Kept or Released	Sockeye	Coho	Pink	Chum	Chinook	Steel-head	Atlantic	Dogfish	⁵ Sturgeon	⁶ Other Fish	⁷ Non-fish									
Day	Mon.																									
4	Aug	12	12-4	5.5	5	Kept	4		23	127							<input checked="" type="checkbox"/>									
Trip ID #: FOS-12480						Rel.		9									No									
Comments: 2 birds killed in 10AM set, kept for research program. Rhinoceros Auklets.																DCR Conf. #:		FOS-12346								
Vessel Master Name:						Dan Doe						Signature:		Dan Doe						F.I.N.:		99999				
5	Aug	12	12-5	7	3	Kept	73		245	4			1				<input checked="" type="checkbox"/>									
Trip ID #: FOS-12480						Rel.		2					2				2M, 1 salmon shark	No								
Comments: Offloaded at CANFISCO in Port Hardy on August 5 at 14:00.																DCR Conf. #:		FOS-12367								
Vessel Master Name:						Dan Doe						Signature:		Dan Doe						F.I.N.:		99999				
6	Aug	12	12-4	6	3	Kept	88		116	7			2				<input checked="" type="checkbox"/>									
Trip ID #: FOS-12480						Rel.						1					11 M, 2 R	No								
Comments: Steelhead released in good condition. 2 sea lions released alive around 11AM.																DCR Conf. #:		FOS-12382								
Vessel Master Name:						Dan Doe						Signature:		Dan Doe						F.I.N.:		99999				
29	Aug	17	17-11	6	6	Kept	163		328								<input checked="" type="checkbox"/>									
Trip ID #: FOS-12773						Rel.					3	1					No									
Comments: Fished two management areas today																DCR Conf. #:		FOS-12521								
Vessel Master Name:						John Smith						Signature:		John Smith						F.I.N.:		77777				
29	Aug	29	29-2	4	6	Kept	205		493								<input checked="" type="checkbox"/>									
Trip ID #: FOS-12773						Rel.		2			1	1					No									
Comments: Both coho put in rev. tank, one died, one released in good condition																DCR Conf. #:		FOS-12523								
Vessel Master Name:						John Smith						Signature:		John Smith						F.I.N.:		77777				

1. **Net Types:** enter 'A' for Alaska Twist, 'M' for Multi Strand or 'C' for Combination. 2. Enter number of strands if net is 'Alaska Twist' type mesh. 3. Give measurement units (in or " = inches, cm = centimeters, mm = millimeters). 4. **Kept** are species retained on board; **Released** are species returned to the ocean. 5. Please specify White or Green Sturgeon in **Comments** Section. 6. **Other Fish:** M= Mackerel, L= Lingcod, H= Halibut. Give full name for other species. 7. Circle Yes or No as appropriate if any **birds, marine mammals, or turtles** were encountered. Give time of capture and species details in comments. 8. **DCR Conf. #** is the confirmation number received upon completion of the Daily Catch Report. 9. **F.I.N.** Is the Fisher Identification Number.

Troll Logbook

SALMON TROLL Logbook I.D. # **T45001** **SAMPLE** Report Catch to: 1-(888) 387-0007 Record all catch in pieces **Page #**

Date		Mgmt. Area	Zone or Subarea <input type="checkbox"/>	Hours Fished	Catch: Frozen or Iced? <input type="checkbox"/>	¹ Kept or Released	Sockeye	Coho	Pink	Chum	² Legal Sized Chinook	² Sublegal Sized Chinook	³ Grilse	Atlantic	⁴ Rockfish	⁵ Other Species
Day	Mon.															
Vessel Name: Shirley May VRN (CFV#): 12346																
8	Aug	101	4	7.5	(F)	Kept		20	54							
Trip ID #: FOS-12345						Rel.					4	2			⁴ Yellowtail, ³ Canary	1 L, 2 H
Comments: Lots of seals around														⁶ DCR Conf. #: FOS-12346		
Vessel Master Name: Dan Doe						Signature: Dan Doe						⁷ F.I.N.: 99999				
9	Aug	101	4	6	(F)	Kept		23	37							
Trip ID #: FOS-12345						Rel.										
Comments: Released 2 Salmon Sharks														⁶ DCR Conf. #: FOS-12347		
Vessel Master Name: Dan Doe						Signature: Dan Doe						⁷ F.I.N.: 99999				
10	Aug	101	4	8	(F)	Kept		23	47							
Trip ID #: FOS-12345						Rel.					2				² Chilipepper, ⁶ unknown rockfish	3 H
Comments:														⁶ DCR Conf. #: FOS-12348		
Vessel Master Name: Dan Doe						Signature: Dan Doe						⁷ F.I.N.: 99999				
12	Aug	101	3	12	(F)	Kept		17	17		19				³ Black RF	4 L
Trip ID #: FOS-12398						Rel.					4	2				10 D, 2 H
Comments: Saw a sea turtle. Suspect it was Leatherback														⁶ DCR Conf. #: FOS-12402		
Vessel Master Name: John Smith						Signature: John Smith						⁷ F.I.N.: 77777				
13	Aug	142	2	14	(F)	Kept		79	12		36				⁸ Yellowtail RF	2 L
Trip ID #: FOS-12398						Rel.	1									2 D
Comments: Killer Whales														⁶ DCR Conf. #: FOS-12403		
Vessel Master Name: John Smith						Signature: John Smith						⁷ F.I.N.: 77777				

1. Catch: **Kept** are species retained on board; **Released** are species returned to the ocean. 2. As defined in the applicable Fishery Notice. 3. **Grilse** are juvenile salmon under 30 cm. 4. Rockfish are to be identified by species; if unsure of species, record as Unknown Rockfish. 5. **Other Species:** L=Lingcod, H=Halibut, D=Dogfish, M=Mackerel, S=Steelhead. Please specify **White** or **Green Sturgeon** in Comments Section. If any **birds, marine mammals, or turtles** were encountered, give time of capture and full name of species in comments. 6. **DCR Conf. #** is the confirmation number received upon completion of the Daily Catch Report. 7. Vessel master's **Fisher Identification Number**.

Seine Logbook

SALMON SEINE		Logbook I.D. # S44001		Report Catch to: 1-(888) 387-0007				Record all catch in pieces				Page # 11111				
Vessel Name: Shirley May		VRN (CFV#): 12346														
Daily Catch Records																
Date		Mgmt. Area	Sub-area(s)	Hours Fished	# of sets	¹ Kept or Released	Sockeye	Coho	Pink	Chum	Adult Chinook	² Jack Chinook	Steelhead	Atlantic	³ Other Fish	⁴ Non-fish
Day	Mon.															
14	Aug	3	3-3, 3-2	8	5	Kept	42		431					6		<input checked="" type="radio"/> Yes
Trip ID #: FOS-12281						Rel.		3		12	2					No
Comments: <i>2 Rhinoceros Auklets released alive at 10 AM, 1 coho clipped, 2 coho dead, 1 rel'd alive</i>											DCR Conf. #: ⁵ FOS-12346					
Vessel Master Name: Dan Doe						Signature: <i>Dan Doe</i>						F.I.N.: 99999				
15	Aug	4	5	5.5	2	Kept	38		850							<input checked="" type="radio"/> Yes
Trip ID #: FOS-12281						Rel.				2	1		1		4 D, 1 L, 1 salmon shark	No
Comments: <i>1 harbour seal released, steelhead revived in tank, then released in good condition</i>											DCR Conf. #: ⁶ FOS-12358					
Vessel Master Name: Dan Doe						Signature: <i>Dan Doe</i>						F.I.N.: 99999				
19	Aug	4	5	9	4	Kept	53		560							Yes
Trip ID #: FOS-12403						Rel.		2		17	4	12				<input checked="" type="radio"/> No
Comments: <i>Both coho rel'd in good condition. 12 jack chinook squishers all dead.</i>											DCR Conf. #: ⁶ FOS-12428					
Vessel Master Name: John Smith						Signature: <i>John Smith</i>						F.I.N.: 77777				
Offload Catch Records							Sockeye	Coho	Pink	Chum	Chinook	(Other)	Complete if catch pooled with that of another vessel:			
Dates Fished				# Days Fished	Date Offloaded		<input type="checkbox"/> Pieces	<input type="checkbox"/> Pcs	<input type="checkbox"/> Pieces	<input type="checkbox"/> Pieces	<input type="checkbox"/> Pieces	<input type="checkbox"/> Pieces	Received from: <input type="checkbox"/> Offloaded to: <input type="checkbox"/> Vessel Name: _____			
First date	Last date				Day	Month	<input checked="" type="checkbox"/> Lbs	<input type="checkbox"/> Lbs	<input checked="" type="checkbox"/> Lbs	<input type="checkbox"/> Lbs	<input type="checkbox"/> Lbs	<input checked="" type="checkbox"/> Lbs				
Day	Month	Day	Month	Fished	Day	Month	<input type="checkbox"/> Kgs	<input type="checkbox"/> Kgs	<input type="checkbox"/> Kgs	<input type="checkbox"/> Kgs	<input type="checkbox"/> Kgs	<input type="checkbox"/> Kgs	Name: _____ VRN (CFV#): _____			
14	Aug	15	Aug	2	15	Aug	471		3958			42				
Business and port offloaded to: Canfisco, Pr. Rupert							Fish slip #: 79768		OCR Conf. #: ⁶ FOS-12380		<input type="checkbox"/>	<input type="checkbox"/>	Name: Wind Viper VRN (CFV#): 12347			
19	Aug	19	Aug	1	20	Aug	310		1692			<input type="checkbox"/>				
Business and port offloaded to: _____							Fish slip #: 79801		OCR Conf. #: ⁶ FOS-12482		<input type="checkbox"/>	<input checked="" type="checkbox"/>				

1. Catch: Kept are species retained on board; Released are species returned to the ocean. 2. **Jack Chinook** are all chinook smaller than 67 cm fork length (approx 26 inches). 3. **Other Fish:** M= Mackerel, L= Lingcod, H= Halibut, D= Dogfish. Please specify **White or Green Sturgeon** in Comments Section. Give full name for other species. 4. Circle Yes or No as appropriate if any **birds, marine mammals, or turtles** were encountered. Give time of capture and full name of species in comments. 5. **DCR Conf. #** is the confirmation number received upon completion of the Daily Catch Report. 6. **OCR Conf. #** is the Offload Catch confirmation number. 7. Enter the vessel master's Fisher Identification Number.

Improved Commercial Fisheries Monitoring and Catch Reporting

Current Challenges

- Lack of independently verifiable information, risk assessment, performance indicators, and ways to evaluate effectiveness of monitoring programs
- Weak support from many harvesters for enhanced monitoring, including cost
- Lack of widely supported mechanisms to fund catch monitoring
- Limited availability of trained observers in many remote locations and for short notice fishery openings.

Future Opportunities

- Requirement for independently verified monitoring and data collection methods (e.g., at-sea observers, dockside monitoring, electronic monitoring, etc.)
- Improving systems to evaluate performance of management system(s) against its objectives (e.g., landings/at sea releases vs. set by-catch mortality limits).
- Identify and assess most cost-effective monitoring methods for industry.
- Evaluation/study to compare alternative approaches for projecting total bycatch/incidental mortality at fleet level (e.g., methods to quantify at sea releases, assessment of fish survival, monitoring coverage levels)

Commercial Monitoring Work To Date

- In the 2024/25 IFMP, described interim minimum monitoring requirements for commercial fisheries coastwide for consultation:
 - **5%** of fishing trips shall be subject to **independent at-sea monitoring** to observe the time, location, and species composition of released catch. Where bycatch limits exists for a fishery, coverage shall be **20%**.
 - **20%** of fishing trips shall be subject to **independent dockside validation** to observe the species composition and total volume of landed catch.
- Following the IFMP, reviewed feedback, explored pilot electric monitoring projects, and engaged with commercial harvesters, service providers, and other stakeholders.
- For 2026, continue to work with commercial harvesters and service providers to refine minimum standards and implementation plans for a phased approach.

The End

