



2021 ECVI Review Initial Chinook Catch Summaries





Recreational Fishery – Chinook Measures 2021

Queen Charlotte and Johnstone Straits (Area 12)

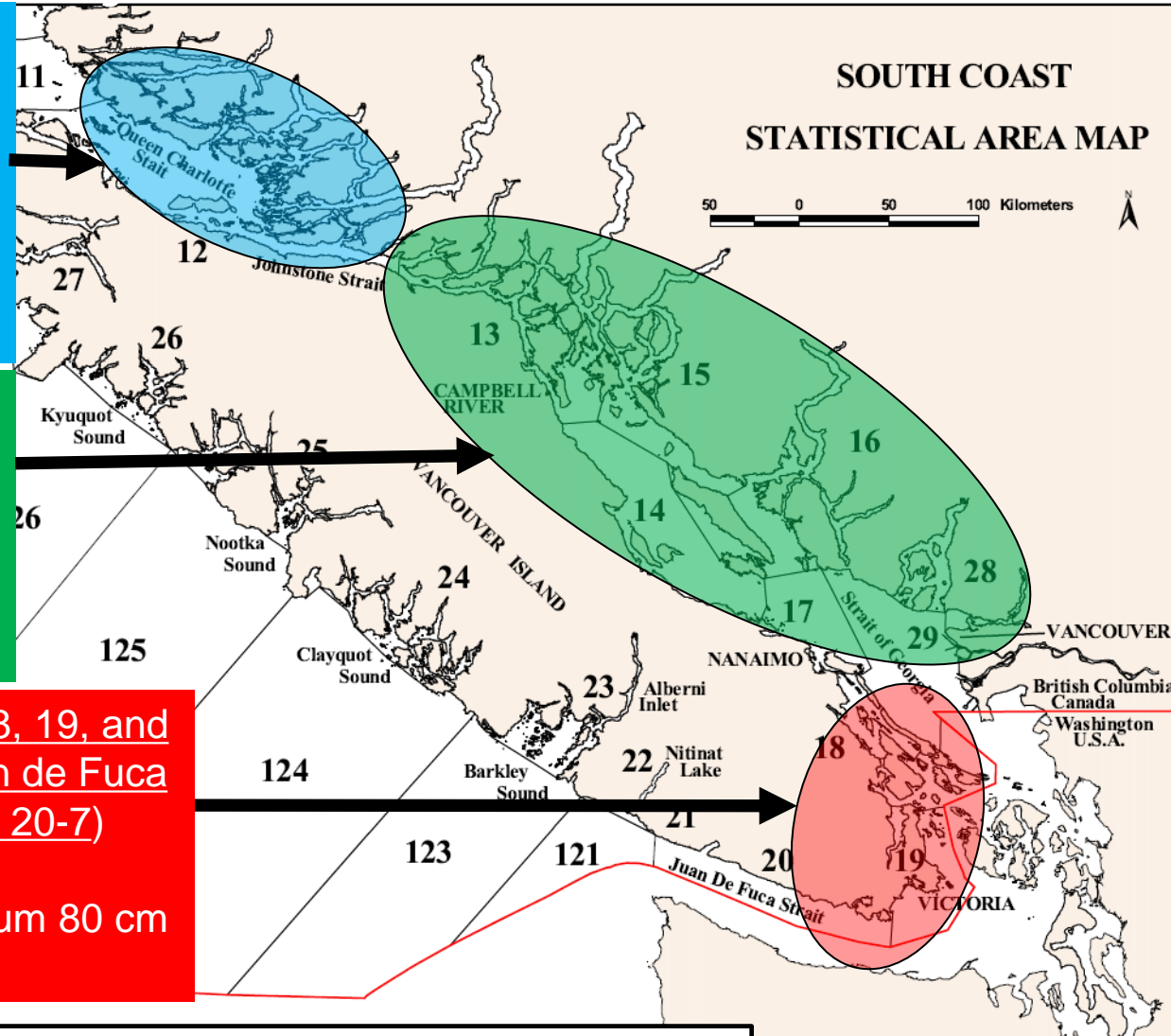
- Non-retention April 1 to July 14
- July 15 to Aug. 16, 1/day maximum 80 cm
- Aug. 17 to Aug. 31, 1/day
- Sept. 1 to Dec. 31, 2/day

Strait of Georgia – North (Areas 13-17, Subareas 29-1 to 29-2)

- Non-retention April 1 to July 14
- July 15 to Aug. 31, 1/ day maximum 80 cm
- Sept. 1 to Dec. 31, 2/day

Strait of Georgia – South (Areas 18, 19, and Subareas 29-3 to 29-5, 29-8); Juan de Fuca Strait – East (Subareas 20-3 to 20-7)

- Non-retention April 1 to July 31
- Aug. 1 to Aug. 31, 1/day maximum 80 cm
- Sept. 1 to Dec. 31, 2/day



Additional restrictions around San Juan Islands, Juan de Fuca Strait, and the mouth of the Fraser River for SRKW conservation.



Recreational Fishery – 2021 Chinook Pilot Measures

Portions of Areas 12, 13, 15 and 16

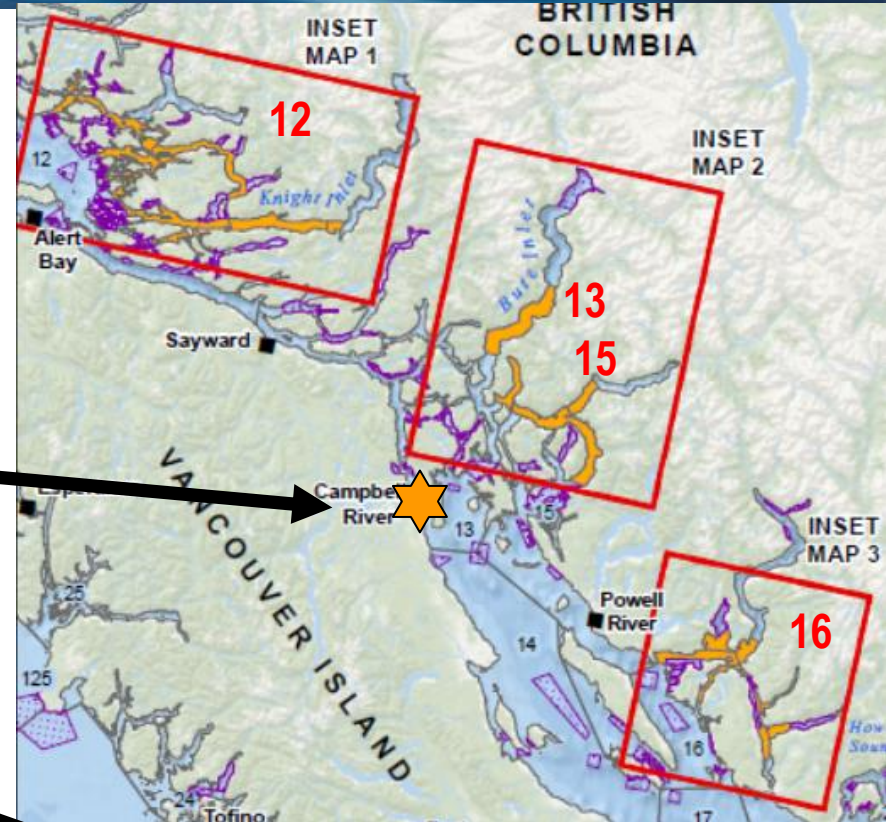
- May 14 to July 14, 1/day maximum 80 cm on unmarked Chinook

Campbell River Special Management Zone (Portions of Subareas 13-3 and 13-5)

- July 15 to Aug. 31, 1/day, no maximum size limit

Portion of Subarea 20-5 (Beecher Bay)

- May 14 to July 31, 1/day, hatchery-marked only





Recreational Fishery –2021 Chinook Pilot Measures

Area 12 expanded monitoring

- Additional overflights were conducted from May 20th to July 14 within Area 12 and the expansion area.
- Almost no recreational vessels were observed fishing for salmon
- DFO Staff provided Logbooks to anglers fishing in the area. At the time of this presentation four log pages had been returned.
- Data from expanded area is still being reviewed but effort and catch very low.





Recreational Fishery – 2021 Bute/Toba area extension

Preliminary Boat trips/Chinook Catch

13-21 May 1-July 14

Effort = 376 (5.1/d)

June 1-30

Kept = 353 (8.2/d)

Released = 1532 (20.7/d)

15-6 June 1-July 14

Effort = 139 (3.2/d)

Kept = 245 (5.7/d)

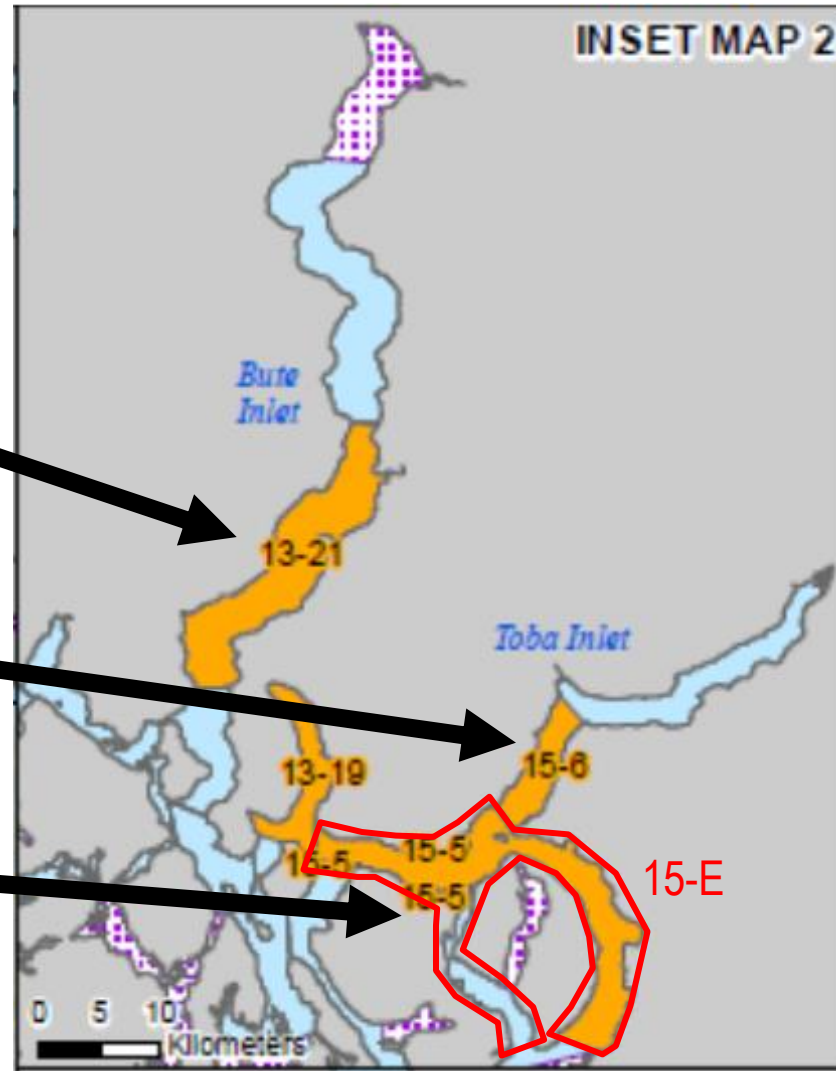
Released = 435 (10.1/d)

15-E June 1-July 14

Effort = 1587 (36.9/d)

Kept = 1685 (39.2/d)

Released = 5456 (126.9/d)



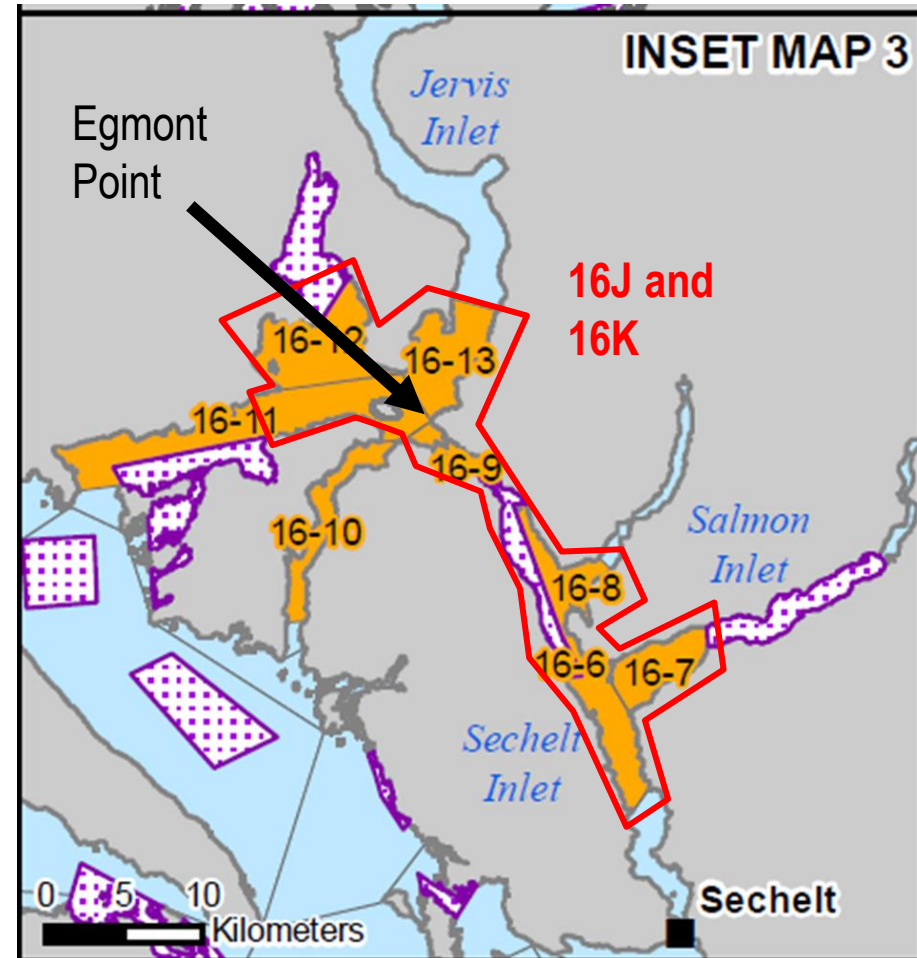
Recreational Fishery – 2021 Chinook Pilot Measures

Sechelt Area 16 extension

- Overflights began May 1; initial response to May 14 opening <10 boats/d in 16 J/K
- C&P conducted 1 patrol in May and 6 in June. Total of 25 boats fishing; 14 chinook
- ASP program conducted 10 overflights in June; peak count 17 boats with rest <8.
- Most of the effort at Egmont Point

Preliminary creel estimate for June 1-July 14 (16J/K)

- 1440 boat trips (avg. 33.5/d)
- 792 Chinook kept (avg. 18.4/d)
- 932 Chinook released (avg. 21.7/d)
- Mark rate = **25.6%** (34/133)





Recreational Fishery – 2021 Chinook Pilot Measures

Campbell River SMZ and Beecher Bay

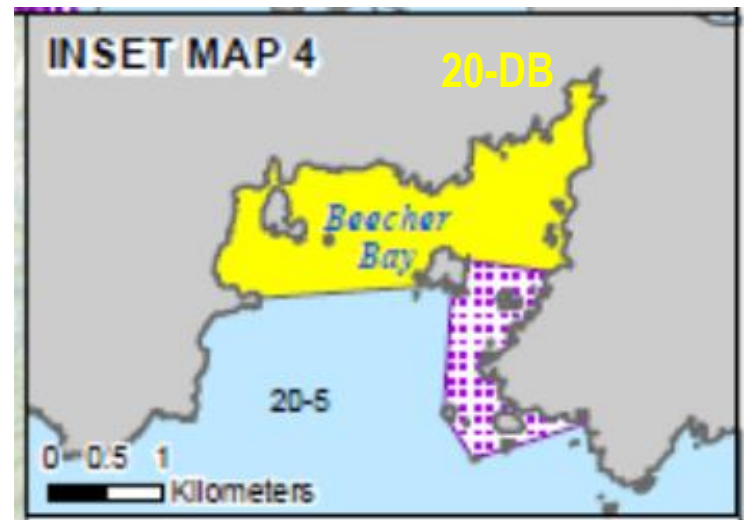
- Additional coverage was not initiated for 13-5 (CR SMZ) and the portion of 20-5 (Becher Bay) since it is covered in regular effort flights and the creel survey.
- New creel sub-areas have been created in 20-5 to allow for finer detailed below

20-DB Preliminary Creel Estimates May 1 – July 31

778 boat trips (8.5/d)

168 Chinook kept (1.8/d)

559 Chinook released (6.1/d)





2021 DNA Sample Submissions

Row Labels	April	May	June	July	August	Grand Total
13	4	35	326	572	539	1476
13-21		9	195	38		242
13-22				13	33	46
13D			2	8		10
13G			47	205	47	299
13I				37	6	43
13K				1	67	230
13L			21	16	15	52
13M	4	5	65	179	106	359
13O				10	114	124
13P					2	2
13Q					1	1
14	15	24	111	184	165	499
15	48	172	95	95	2	317
15-6		2	35	15		52
15A				17		17
15D			1	11	2	14
15E		37	104	40		181
15F		8		2		10
15G			33	10		43
16	28	21	44	44	20	113
16B			1	1		2
16C				11	1	12
16J		8	3	12		23
16K		4	9			13
16M		4			1	5
16N		5			8	13
16P		3	3			6
16R		4	5	20	10	39

- Yellow highlight = pilot fishery area
- Samples at the lab, results in expected the next few months
- More coming as final data submitted by AA's



2021 ECVI Recreational Fisheries: Preliminary Catch

2021

Fishing Area	Sockeye		Coho		Pink		Chum		Chinook ISBM	
	Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel
Johnstone Strait (11-12)	-	10	3,778	2,980	3,464	2,541	-	12	8,391	11,983
Juan de Fuca (19,20)	-	574	11,298	29,566	24,895	13,460	47	24	9,331	28,351
Strait of Georgia (13-19,28,29)	30	660	3,451	12,448	21,105	9,577	2,081	440	41,389	161,192
Total	30	1,244	18,527	44,994	49,464	25,578	2,128	476	59,111	201,526

Green = increase from previous year

Red = less than previous year

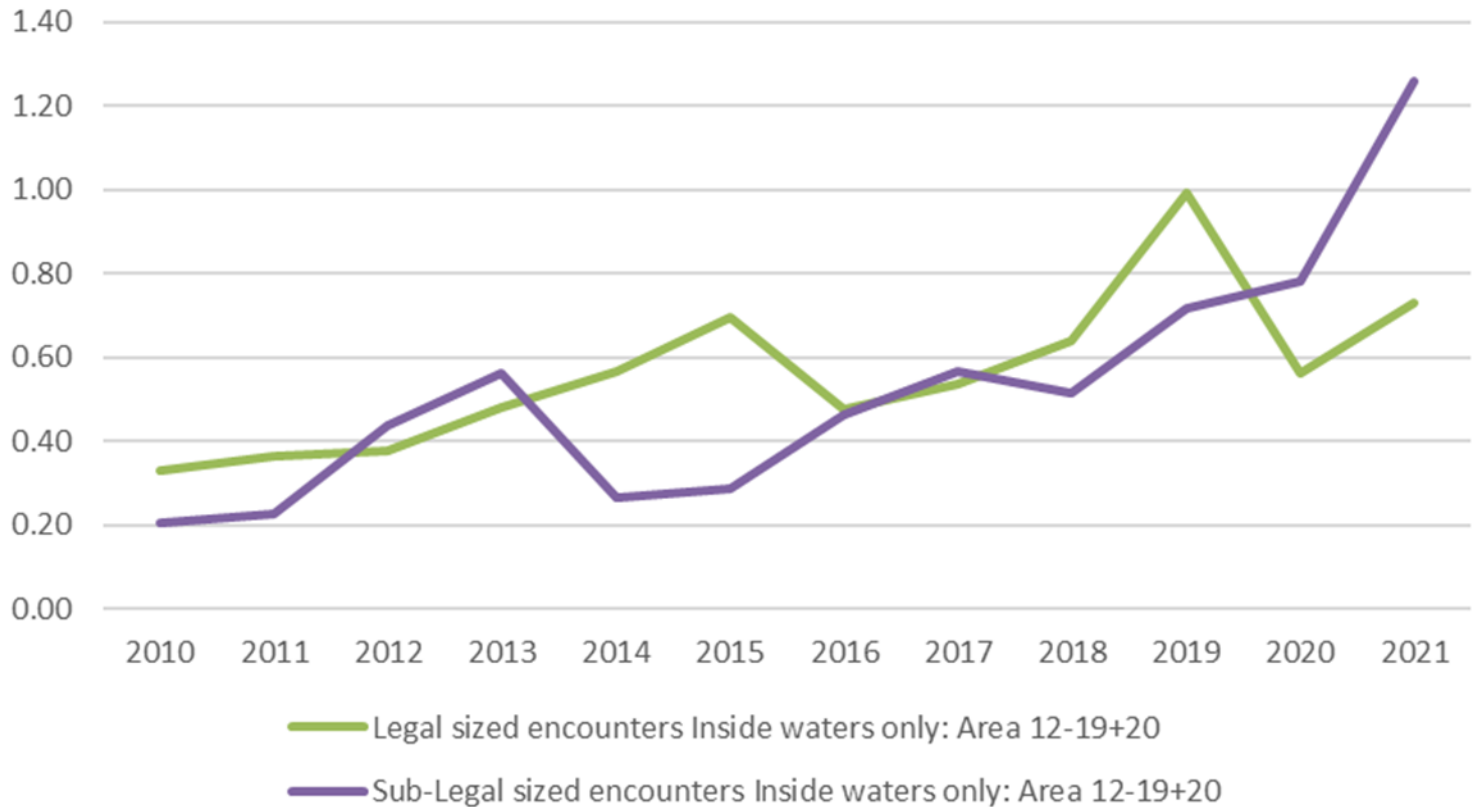
2020

Fishing Area	Sockeye		Coho		Pink		Chum		Chinook ISBM	
	Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel	Kept	Rel
Johnstone Strait (11-12)	0	5	2,868	4,455	2,878	3,561	36	15	4,290	8,699
Juan de Fuca (19,20)	18	50	13,781	35,409	121	96	59	0	6,964	20,246
Strait of Georgia (13-19,28,29)	0	173	6,444	18,442	2,482	1,440	523	44	32,943	106,051
Total	18	228	23,093	58,306	5,481	5,097	618	59	44,197	134,996



2021 ECVI Recreational Fisheries: CPUE

Chinook Encounters per boat trip, inside waters only



Many GST stocks have increased escapements. Anecdotal reports suggest that abundance in the inside waters has increased dramatically





Chinook Escapement – ECVI

Stream Name	Species	Pi	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Puntledge River	Chinook (Summer)	#	517	489	645	820	1,017	579	596	1,229	761	516
Puntledge River	Chinook (Fall)	#	11,213	9,851	17,045	10,675	12,405	8,183	7,925	5,978	3,469	3,171
(Big) Qualicum River	Chinook	#	11,827	12,274	9,681	6,336	6,882	5,005	6,631	8,388	4,866	5,253
Nanaimo River	Chinook (Fall)	#	8,800	7,016	5,142	4,074	4,211	4,964	5,023	2,169	4,148	1,714
Nanaimo River	Chinook (Summer)	#	992	722	267	461	960		593	997	839	820
Cowichan River	Chinook	#	22,300	24,726	21,591	22,482	25,060	10,854	6,800	5,873	7,204	6,330