

1984
SALMON HISTORY
AND
RECORD OF MANAGEMENT STRATEGIES



AREA 9
RIVERS INLET

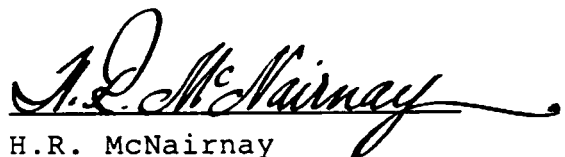
G. McEachen – Fishery Officer I/C

B. Lunn – Fishery Officer

October 31, 1984

This is a pilot project undertaken in the Central Coast (Areas 6-7-8-9 & 10) during the 1984 salmon season. It was designed as an in-season management tool and as a record of the fishery and the management strategies. It replaces for 1984, as was in 1983, the Area Salmon History, the Field Catch Book, the Weekly Salmon Net Fishing Summary, and the salmon sections of the Annual Narrative Report for these areas. The objectives of the form and content of the report are to provide:

1. a written record of the fishery, the management strategies, and the reasons and considerations affecting those decisions;
2. a basis for evaluation toward improved management;
3. a mechanism for the transferability of knowledge and information for current and future staff.



H.R. McNairnay
For F.E.A.Wood
Director
Regional Planning & Economics

TABLE OF CONTENTS

District 7 Staff	1
Area Seasonal Staff.....	2
1984 Calendar	3
All Dates Calendar	4
Description of Management Areas	5
Sub-district Map	6
Salmon Expectations and Proposed Fishing Patterns	7
Key Indicator Stream Background	8
Sport Fish Summary	9
1984 Rivers Inlet Sport Fishery Report	10
Indian Food Fishery	26
Commercial Salmon Fishery	
- Summary of Net Fishery	27
- Summary of Sounding Program	30
- Weekly Records of Management Strategies	31
Spawning and Escapement	
- Spawning Ground Summary	143
- Preliminary Salmon Spawning Report	145

- DISTRICT 7 -

W.H. McKenzie - District Supervisor - Kitimat

C.R. Wilson - Asst. District Supervisor - Kitimat

Area 6 - Butedale - John A. McDonald - Fishery Officer i/c
B. Spilstead - Fishery Officer
I. Brown
F.P.V. "Babine Post"
F.P.V. "North Rock"

Area 7 - Bella Bella - Gordon Curry - Fishery Officer i/c
- Fishery Officer
F.P.V. "Surge Rock"

Area 8 - Bella Coola - John Greenlee - Fishery Officer i/c
D. Wagner - Fishery Officer
G. Savard - Fishery Officer
F.P.V. "Temple Rock"
F.P.V. "Gale Rock"

Area 9 & 10 - Rivers and
Smith Inlets - Gordon McEachen - Fishery Officer i/c
B. Lunn - Fishery Officer
F.P.V. "Falcon Rock"

E. Kremer - Director, North Coast Operations - Pr. Rupert

P. Sprout - Senior North Coast Biologist - Pr. Rupert

D. Peacock - Central Coast Biologist - Prince Rupert

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Fisheries Staff in Area 9

During the 1984 Salmon season the Fisheries patrol vessel "Falcon Rock" was working area 9 and area 10 Re: Salmon management and salmon enumeration. Captain Skogg is a very valuable member of the team moving from area to area and task to task as required. The only charter vessel working in area 9 this year was the "Persepa" which is owned and operated by Bruce Evans. The "Persepa" was hired for the period of June 29th thru to September 26, 1984. This vessel assisted in the commercial fishery and stream enumeration. For the amount of commercial fishing this year, this was more than adequate, however 1985-1987 are to be years of large predicted catches and fleet sizes. Our present manpower situation will not provide adequate coverage of the area in these years. I believe we need more assistance in terms of 1 to 2 more charter vessels for the months of July and August plus the assistance of at least 1 DFC vessel in order to gather information and control the Fleet.

In 1984 we had three Guardian positions for Rivers Inlet. One is the late Wannock River position to enumerate Chinook, Coho, and Chums in the Wannock River. Two Sports Fish guardians for the summer were in place again this year. This provides good coverage of the Sport fishery and assistance in Stream enumeration and the commercial fishery. The present guardian days seem just adequate for the task at hand and any less would create serious operational problems.

HRM - JUN 84

BRIAN LUNN

(PRINT NAME)

2 
(SIGNATURE)

PAGE OF
(FOR THIS WEEKLY PERIOD)

Calendar 1984

<p style="text-align: center;">JANUARY</p> <p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30 31</p>	<p style="text-align: center;">FEBRUARY</p> <p>S M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29</p>	<p style="text-align: center;">MARCH</p> <p>S M T W T F S</p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30 31</p>
<p style="text-align: center;">APRIL</p> <p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30</p>	<p style="text-align: center;">MAY</p> <p>S M T W T F S</p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30 31</p>	<p style="text-align: center;">JUNE</p> <p>S M T W T F S</p> <p>1 2</p> <p>3 4 5 6 7 8 9</p> <p>10 11 12 13 14 15 16</p> <p>17 18 19 20 21 22 23</p> <p>24 25 26 27 28 29 30</p>
<p style="text-align: center;">JULY</p> <p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30 31</p>	<p style="text-align: center;">AUGUST</p> <p>S M T W T F S</p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30 31</p>	<p style="text-align: center;">SEPTEMBER</p> <p>S M T W T F S</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p>
<p style="text-align: center;">OCTOBER</p> <p>S M T W T F S</p> <p>1 2 3 4 5 6</p> <p>7 8 9 10 11 12 13</p> <p>14 15 16 17 18 19 20</p> <p>21 22 23 24 25 26 27</p> <p>28 29 30 31</p>	<p style="text-align: center;">NOVEMBER</p> <p>S M T W T F S</p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30</p>	<p style="text-align: center;">DECEMBER</p> <p>S M T W T F S</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p>

PACIFIC FISHERY MANAGEMENT AREAS

9(a) Area 9

Comprising those waters bounded inside a line commencing at Clark Point on the southeast tip of Calvert Island, thence to Dugout Rocks Light, thence to Cranstown Point on the mainland, thence following the mainland shoreline around Rivers Inlet and adjacent waters to a marker on the north shore of Convoy Passage at the eastern entrance to Souvenir Pass, thence to the most northeastern point of Blair Island, thence following the shore westerly to a marker near the northwest corner, thence true west to a marker on Addenbroke Island, thence following the shore

northerly and westerly to the navigation light, thence true west to a marker on Calvert Island, thence southerly to the point of commencement.

(b) Area 9 is composed of Subareas as follows:

Area 9-1

Those waters of Fitz Hugh Sound, bounded on the west by a line from the most southern point of Addenbroke Point to South Point on Calvert Island, thence southerly along the shoreline to Clark Point Light, thence to the light at Dugout Rock, thence to Cranstown Point on the mainland; and bounded on the east by a line from the most southern point of Addenbroke Point to the westernmost point of Penrose Island, thence following the westerly shore to the most southerly point, thence to a marker on the east side of Joachim Island, thence following the easterly shoreline to a marker on the southern end, thence to Dimsey Point, thence 176° true to a marker on the mainland.

Subarea 9-2

(a) Those waters of Rivers Inlet bounded by a line from Dimsey Point to a marker on the southern end of Joachim Island, thence along the eastern shore to a marker on the eastern end of Joachim Island, thence the most southern point of Penrose Island, thence along the eastern shoreline of Penrose Island to a marker on the most northeasterly end of Penrose Island, thence to the most westerly point of Walbran Island, thence following the south and easterly shore of Walbran Island to a marker on the east shore of the entrance to Hemasila Inlet, thence easterly to a marker on the mainland, thence following the shore westerly to a marker at the entrance to Draney Inlet, thence to a marker on the opposite shore, thence westerly along the shore to a marker on the east shore of Open Bight, thence to the point of commencement.

Subarea 9-3

Those waters of Rivers Inlet bounded on the north by a line from a marker on the mainland near Ida Island, to a marker near the most northern end of Walbran Island; and bounded on the south by a line from a marker on the east shore at the entrance to Hemasila Inlet, thence true east to a marker on the mainland.

Subarea 9-4

Those waters of Rivers Inlet bounded on the north by a line from a marker on the mainland, near Stone Point, to a marker on the east shore at the entrance to Whannock Cove; and bounded on the south by a line from a marker near Dawsons Landing, to McLeod Point on Walbran Island, thence easterly along the shore to a marker near the northern end of Walbran Island, thence true east to a marker on the mainland near Ida Island.

Subarea 9-5

(a) Those waters of Rivers Inlet bounded by a line from a marker near Stone Point to a marker on the east shore at the entrance to Whannock Cove, thence northeasterly along the shore to a marker on Ralph Point, thence to a marker at Owikeno Point, thence east to a marker on the opposite shore, thence southerly along the shore to McAllister Point, thence southerly to a marker near Scandinavia Bay, thence westerly along the shore to the point of commencement.

Subarea 9-6

Those waters of Rivers Inlet and adjacent waters inside and easterly of a line from McAllister Point to a marker near Scandinavia Bay on the opposite shore.

Subarea 9-7

Those waters of Moses Inlet and adjacent waters bounded on the south by a line from Owikeno Point true east to the opposite shore; and bounded on the north by a line from Hoy Point northerly to a marker on the opposite shore.

Subarea 9-8

Those waters of Moses Inlet and adjacent waters northerly of a line from Hoy Point northerly to a marker on the opposite shore.

Subarea 9-9

Those waters of Hardy Inlet and adjacent waters westerly of a line from Ralph Point to Owikeno Point.

Subarea 9-10

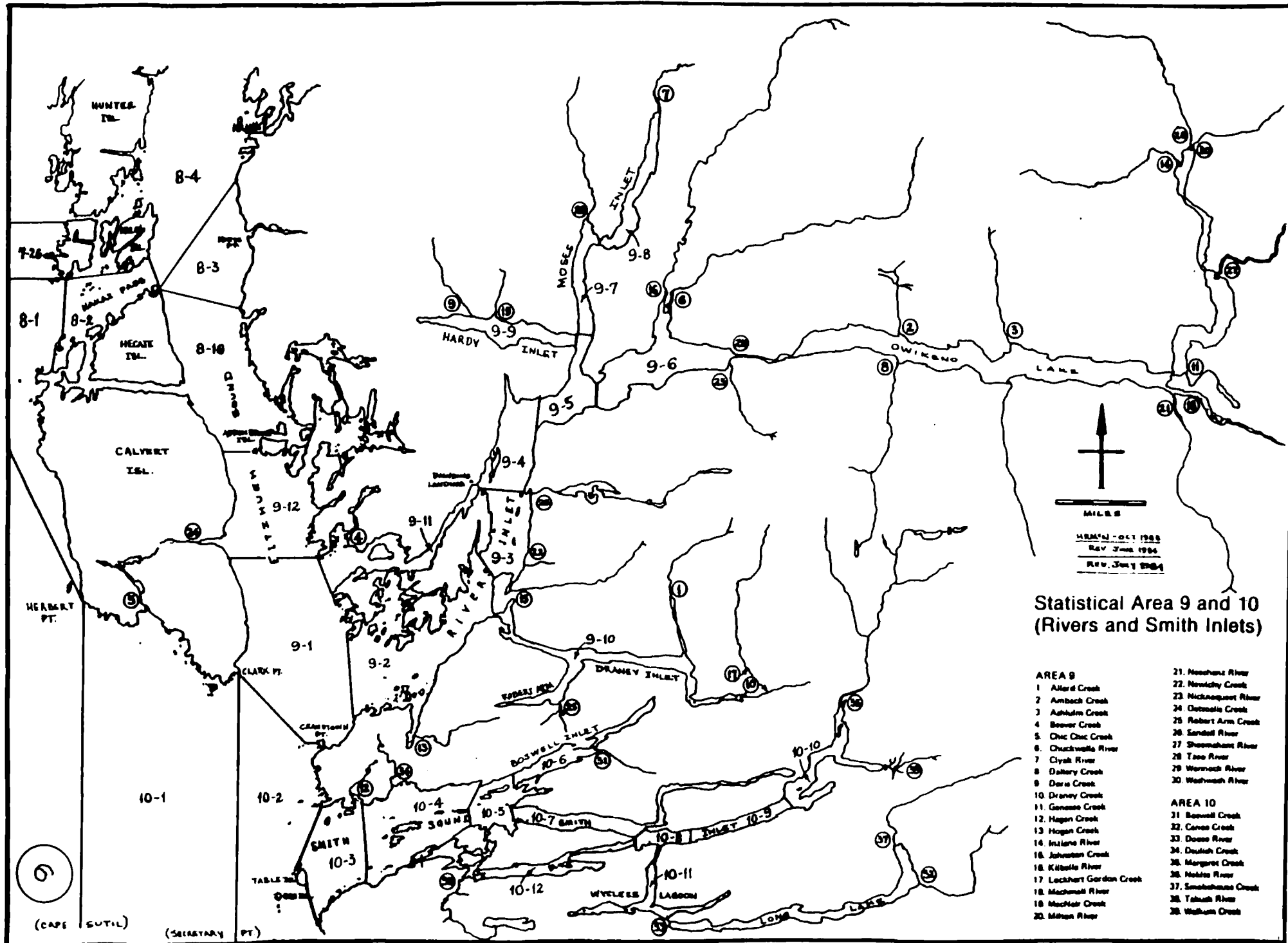
Those waters of Draney Inlet and adjacent waters easterly of a line between markers on both shores at the entrance to Draney Narrows.

Subarea 9-11

(a) Those waters of Darby Channel bounded by a line from a marker on the most westerly point of Penrose Island, thence to a marker on the most southerly point of Addenbroke Point, thence following the shoreline easterly to a marker near Dawsons Landing, thence to McLeod Point on Walbran Island, thence along the northern shoreline of Walbran Island to the westernmost point of Walbran Island, thence to a marker on the northeasterly end of Penrose Island, thence following the northern shore to the point of commencement.

Subarea 9-12

Those waters of Fitz Hugh Sound bounded on the south by a line from South Point on Calvert Island east to the most southern point of Addenbroke Point; and bounded on the north by a line from a marker on the north shore of the mainland at the east end of Souvenir Pass to the northeast point of Blair Island, thence following the shore westerly to a marker near the northwest corner, thence true west to a marker on Addenbroke Island, thence following the shore northerly and westerly to the navigation light, thence true west to a marker on Calvert Island.



HEM/N - OCT 1988
 Rev. June 1986
 Rev. July 1984

**Statistical Area 9 and 10
 (Rivers and Smith Inlets)**

- | | |
|---------------------------|-----------------------|
| AREA 9 | 21. Neeshaw River |
| 1. Allard Creek | 22. Newby Creek |
| 2. Ambeck Creek | 23. Nicknauquet River |
| 3. Ashburn Creek | 24. Odetate Creek |
| 4. Beaver Creek | 25. Robert Arm Creek |
| 5. Chic Chic Creek | 26. Sandak River |
| 6. Chuckwilla River | 27. Sheeshant River |
| 7. Clay River | 28. Taa River |
| 8. Dairy Creek | 29. Warrach River |
| 9. Deer Creek | 30. Washach River |
| 10. Draney Creek | |
| 11. Genesse Creek | AREA 10 |
| 12. Hagan Creek | 31. Boswell Creek |
| 13. Hogan Creek | 32. Carvoa Creek |
| 14. Insigne River | 33. Doosa River |
| 15. Johnston Creek | 34. Deulak Creek |
| 16. Kiballe River | 35. Margaret Creek |
| 17. Leckhart Gordon Creek | 36. Hobbs River |
| 18. Macdonald River | 37. Sookshamao Creek |
| 19. MacHair Creek | 38. Talush River |
| 20. Milton River | 39. Waltham Creek |

Salmon Expectations and Proposed Fishing Patterns

1984

Commercial Fishing Guide

Pacific Region

**AREA 9
RIVERS INLET**

SPECIES	CYCLE YEAR CATCH	CYCLE YEAR ESCAPEMENT		1984 ESCAPEMENT		EXPECTATIONS
				EXPECTED	OPTIMUM	
Sockeye	(1979)	29,000		290,000	816,000	Less than optimum return expected. No directed fishery anticipated.
	(1980)	800		313,000		
	10 year average	398,000	10 year average	503,000		
Pink	(1982)	2,200		100,000	144,000	All systems are weak except for Johnston Creek which had an escapement of 70,000. A gillnet fishery is anticipated for harvest of Johnston Creek pink.
	5 cycle average	280,000	5 cycle average	164,000	225,000	
Chum	(1980)	10,600		24,000	34,000	All systems weak except Draney Inlet and Beaver Creek. 1980 floods may have caused severe egg mortalities. A limited gillnet fishery may be possible.
	10 year average	26,000	10 year average	31,000	75,000	

PROPOSED FISHING PATTERN

NOTE:	Area 9 no longer encompasses the waters southward of Cranston Point to Dugout Rock Light to Clark Point on Calvert Island. They are included in Area 10. This shift did not result in a change in areas open to trolling.
EFFECTIVE DATE	ACTION
To be announced	Trolling restricted to net fishing times and areas only.
July 8 - UFN	As in the past two seasons, weekly meetings with industry will be held to evaluate the strength of returning stocks. Any openings will be based on the results of these meetings.
July 29	Open to gillnets for one day in sub-area 9-1 to harvest Johnston Creek pink.
August 5 and August 12	Open to gillnets for one day to harvest Johnston Creek pink and Draney Inlet chum. Further net fishing may be considered following these fisheries.

Area 9 and 10 Key Indicator Streams

(Pink and Chum)

Key Indicator Streams are identified as those streams which have been used for at least three decades (1950's, 1960's and 1970's) as indicators for in-season management, and as post season indicators of management success. As well, they account for a notable percentage of the total area escapement - in Area 9, four streams account for 98% of the Pink escapement, and three account for 46% of the Chum escapement. In Area 10, three streams account for nearly 100% of the Chum escapement. In most cases these more important streams enjoyed better coverage over the years, this being reflected by the number of visits and quality of information. Some have had Guardians stationed on them for 50 years, or good coverage by patrolmen, especially during the period from 1949 to the late 1970's.

The Key Indicator Streams in-season worksheets following represent a summary of information extracted and cross-checked from the following Sub-district files:

1. B.C. 16 (Annual Report of Salmon Stream and Spawning Grounds)
2. Area History (1951 to 1983)
3. Catalogue of Salmon Spawning Streams
4. Stream Inspection log (local record) (1971, 1975-1983)
5. Annual Narrative Spawning Report
6. Annual Narrative Report
7. Weekly Salmon Catch Summary (1961-4)
8. Weekly Report of Fishery Officers (available only back to 1979)

Note: There were no Weekly Reports of Guardians and Patrolmen available.

This cross-referencing was for two reasons:

1. To establish an actual escapement number in favour of the letter designations (ie. mid-range M-50,000 to 100,000).
2. To more accurately establish the arrival and peak spawning timing for in-season management and future planning.

To go further back in time than 1951 was considered imprudent because of the major re-organization that took place in the Department in the late 1940's which, among other things, involved changes in the reporting system (sales slip system and Area History - 1951), and because of a lack in continuity in the availability of old records.

Escapement targets for Areas 9 and 10 were either carried forward from the past as acceptable, or adjusted by Fishery Officer Gordon McEachen, and Central Coast Biologist Dave Peacock.

It is most probable that these escapement targets will undergo adjustment in the next few years. Indeed, it is possible that they may have to remain somewhat fluid depending on new knowledge gained on productivity, SEP requirements, and other factors.

Note 1: The use of Key Indicator Streams should not be considered as a "stream index" where lesser streams are ignored or written off.

Note 2: Original data sheets and graphs can be found in Sub-district files.


H.R. McNairnay

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Sport Fishery Summary

Area 9

The Sports Fishery in Rivers Inlet was similar to last years intensity with 4,065 boat days and 8,573 fisherman participating in the fishery between June 1 and Sept. 2, 1984. The best success for large Chinook was inside the permit area this year. The largest Chinook caught this year were 75lbs. and 73 1/2 lbs. During the above period, 1,535 Chinook were caught in Rivers Inlet, of which 709 of these fish were above 9 Kilograms (20lbs). This compares to 1983 when 680 Chinooks were over 9 Kilograms that were caught. Sports fishing for Coho was again excellent this year through-out mid July to mid Sept. The best success for Coho was at the mouth of Rivers Inlet. During the month of September 918 coho were caught in Rivers Inlet for a total of 516 boat days.

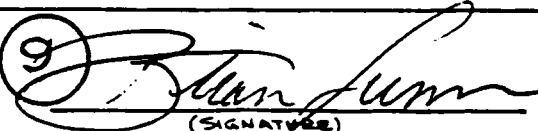
Sport Catches for Rivers Inlet from 1981 thru to 1984

<u>YEAR</u>	<u>SCCKEYE</u>	<u>COHO</u>	<u>PINK</u>	<u>CHUM</u>	<u>CHINOOK</u>	<u>TOTALS</u>
1984	7	6,586	1,243	43	1,625	9,504
1983	111	5,100	2,481	96	1,350	9,138
1982	110	3,850	544	51	1,300	5,855
1981	110	3,950	2,524	22	1,142	7,753

HRM - JUN 84

BRIAN LUNN

(PRINT NAME)


(SIGNATURE)

PAGE 01 OF 01
(FOR THIS WEEKLY PERIOD)

REPORT ON THE 1984

1984

RIVERS INLET

SPORT FISHERY

PREPARED FOR:

FISHERY OFFICERS

GORDON McEACHEN

BRIAN LUNN

BY:

FISHERY GUARDIANS

NEIL RAINS

DAVID FLEGEL

SEPTEMBER 15, 1984

DANSONS LAKE G, B.C.

REPORT ON THE 1984 RIVERS INLET SPORT FISHERY

INTRODUCTION

In 1984 the sports fishing in Rivers Inlet continued to produce trophy size chinook salmon as well as excellent coho salmon. Sports fishing in Rivers Inlet is pursued by three general classes of fisherman, these are: Charter fishing lodges, non-resident private boats and resident private boats.

The reputation which Rivers Inlet has established over the years for producing large chinook salmon, continues to be the main attraction for anglers. For many anglers, both those fishing through charter sports fish lodges and private boats, an annual fishing trip to Rivers Inlet has become a tradition. The authors encountered one individual who had fished Rivers Inlet for 23 seasons consecutively.

Fishermen concentrate their efforts towards two different runs of chinook salmon. In June a run of mixed red and white chinook destined for the Kilbella/Chuckwalla Rivers produces excellent trophy size chinooks. This run peaks in the later part of June, and in 1984 according to resort owners (few private fishermen fish this run) produced some uncharacteristically large fish, the largest being 67.5 lbs. A second run of chinooks which are destined for the spring pool in the Wannock River, peaks in the first two weeks in August. This is a run of red springs which is subject to intense fishing pressure for a short period of time. It is this run which produces some of the largest sports caught chinook salmon on the B.C. Coast. Many fish are over 60 lbs., with the largest this year being 75 lbs.. Fishermen during this period include all three groups mentioned previously, with the charter lodges exerting the greatest catch effort.

Coho fishing began in mid July this year in the inlet, and was relatively consistent throughout July and August. Most coho were incidental catches in July and early August, while fishing exclusively for coho begins in mid to late August. Several of the charter lodges were booked for the month of September exclusively for coho fishing.

Two main areas of Rivers Inlet continue to receive the most fishing pressure (see figure 1). At the head of the inlet, the most fishing for chinooks is near the #14 marker east of Kilbella Bay, on the north shore. Other popular areas at the head of the inlet for chinook and coho fishing include, McPhee Bay, Kilbella Point, Rutherford Point and McAlister Point. At the entrance to Rivers Inlet the gear count is highest along the shore south of Sharbau Island, locally referred to as "The Wall". Draney Inlet Narrows, Madhams Point and Rouse Reef are also popular for coho and chinook fishing.

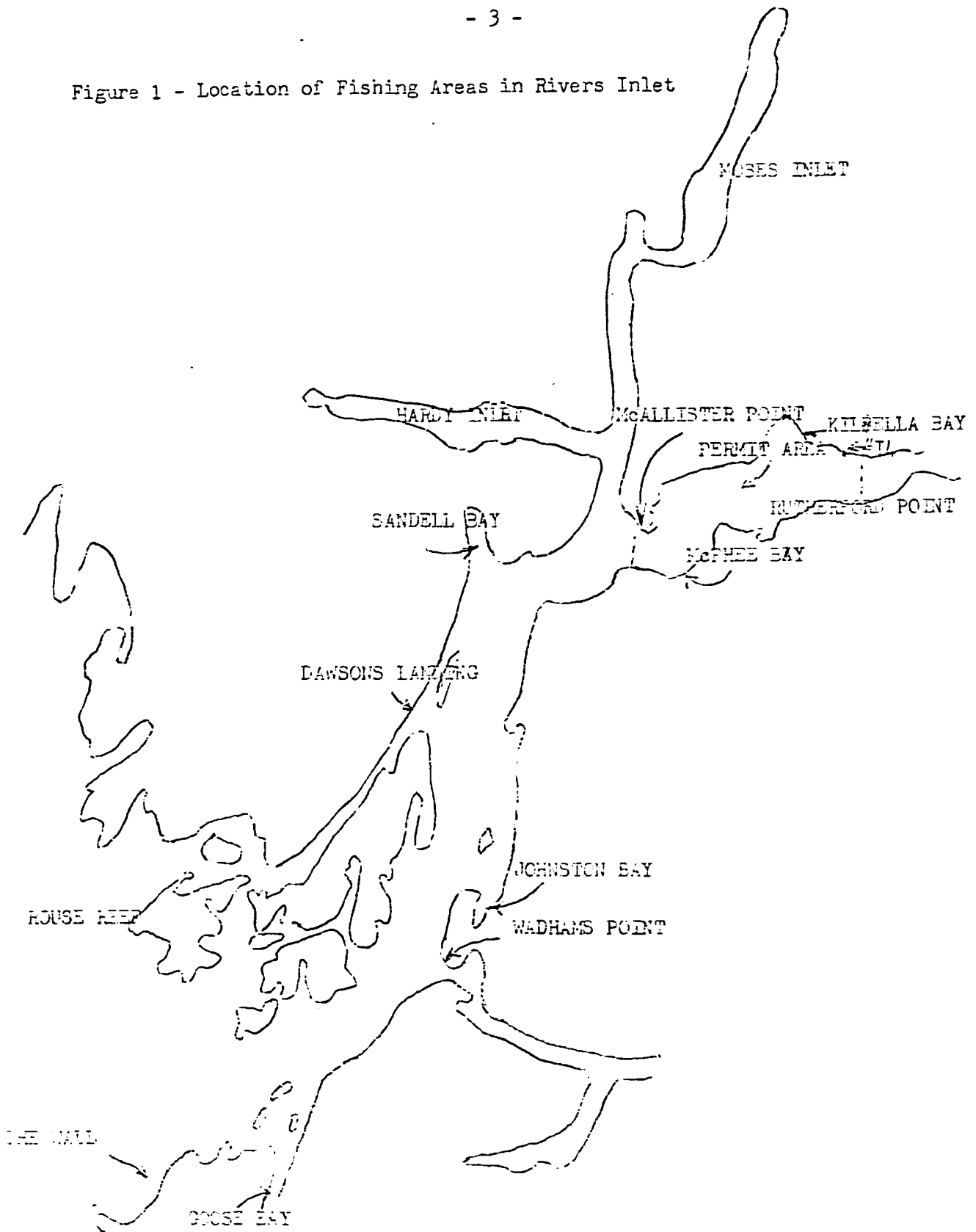
Fishing tackle for both chinooks and coho is almost exclusively plug cut herring, with some anglers using herring strip and various artificial lures.

FISHING EFFORT & DATA COLLECTION

The 1984 season saw nine sport fish camps operating in the inlet. Three of these camps were operating at the head of Rivers Inlet, in the area previously designated as a special permit area. This permit area is no longer in effect, but for the purpose of gathering statistical information, it is a useful geographic area which has been retained. One of the lodges at the head fished the permit area only, while the other two fished the permit area, as well as Rouse Reef and the "Wall".

At the entrance to Rivers Inlet, four camps were situated in and around Goose Bay, where most fishing effort is put in at the "Wall", while the fifth

Figure 1 - Location of Fishing Areas in Rivers Inlet



camp at the entrance is located near Darby Channel and fished Rouse Reef. The sixth camp only operated for a short period of time out of the old Good Hope Cannery.

Private vessels were observed fishing in all the major fishing areas in the inlet.

Sport fish lodges continue to follow an informal system of reporting their catch and effort data weekly on a tally sheet supplied by Dawsons Landing Fisheries. The private fleet is not required to report their catch through any registration or tally sheet system.

Data collection on the private fleet was done this year by making an effort to contact every private vessel during their stay and collect information on their catch, as well as provide them with information on boundaries and limits. No tally sheets were given to the private fleet as in previous years. It was found that with two guardians working the inlet, almost every private boat was contacted at least once during their stay in the inlet. This system did not require a great amount of time on the part of the fishermen, who were more than willing to show their catch, as well as give information on the length of stay, number of fishermen, etc.

SUMMARY OF DATA

For the period June 1 to September 2, 1984 a breakdown of all salmon caught by sports fishermen and the catch effort is given in Table I.

In 1984 there were 1535 chinook taken in Rivers Inlet. This catch represents a success rate of .37 fish per boat day (# fish/total boats).

The chinook catch was up 26% over 1983 (1535 in 1984 vs. 1218 in 1983). Total chinook taken were up considerably inside the permit are this year also.

TABLE I - 1984 RIVERS INLET SPORT FISHERY (SUMMARY)

WEEK OF	#FISHERMEN	BOATS	BOAT HRS	CHINOOK OVER 20 LBS	CHINOOK UNDER 20 LBS	COHO	PINKS	CHUM	SOC KEYE	LARGEST FISH	WHITES SALMON OR
JUNE 1-10	12	12	131	13	8	2				46	
18 - 24	257	135	1127	14	33	5				46	
25-JULY 1	453	216	2223	19	33	29		6		49	
2-8	607	284	2876	10	80	275	104	6		67	
9-15	284	141	1228	19	59	193	50	3		57	
16-22	474	224	2559	21	60	624	164	3		46	
23-29	774	382	3679	34	65	630	147	5	2	50	
30-AUG 5	1337	633	8756	128	69	565	132	2	1	75	(5)
6-12	1431	645	8594	172	117	1124	159	7	3	66	
13-19	1278	599	6800	129	95	938	151	6	1	60	
20-26	802	391	4618	83	93	622	38			53	
27-SEPT 1	366	174	1774	2	25	367	48	3		37	
TOTAL	8573	4065	46622	709	826	5668	1243	43	7		

The chinook catch inside and outside the permit area is compared with 1983 below:

	Success Rate (chinook/boat days)			
	IPA	OPA	IPA	OPA
1983	456	762	.22	.42
1984	757	778	.41	.34

In spite of the higher success rate on chinooks inside the permit area this year, there were only 492 private boat-days in the inlet in 1984 compared to 722 private boat-days in 1983. The authors feel that the fewer private boats in Rivers Inlet in 1984 was the result of several factors, which will be discussed later.

Table II compares the effort and catch data of the private fleet vs. the charter fleet for both chinook and coho.

Fishing for chinooks outside the permit area was noticeably poor this year (total catch OPA was up over 1983, but effort was greater) with a success rate of .34 compared to .42 in 1983. Table III gives a comparison of the weekly chinook catch inside the permit area vs. outside the permit area.

Prior to the chinook fishing peaking inside the permit area, few large fish were being taken outside the permit area, which suggest that the main run of Wainock River chinooks either entered the inlet in deep waters or by-passed the traditional outside "hot-spot"

A comparison of the 1984 catch inside the permit area with previous years during the old "permit season" of July 20 - August 27 indicates that with fewer boat-days, more fish were taken (see below).

TABLE II (PAGE 1)

EFFORT AND CATCH DATA 1983 VS. 1984

PRIVATE FLEET

WEEK OF	BOAT DAYS		TOTAL CHINOOK		TOTAL COHO	
	1983	1984	1983	1984	1983	1984
JUNE 1 - 10	0	0	0	0	0	0
JUNE 11 - 17	5	7	3	7	0	2
JUNE 18 - 24	11	7	10	2	0	0
JUNE 25 - JULY 1	9	12	0	1	20	3
JULY 2 - 8	11	0	0	0	30	0
JULY 9 - 15	0	0	0	0	0	0
JULY 16 - 22	60	9	25	2	109	18
JULY 23 - 29	122	23	24	6	95	47
JULY 30 - AUG 5	225	188	70	65	275	41
AUG 6 - 12	118	128	42	79	67	95
AUG 13 - 19	144	103	7	34	49	57
AUG 20 - 26	17	15	0	3	0	41
AUG 27 - SEPT 2	0	0	0	0	0	0
TOTAL	722	492	181	199	645	304

TABLE II (PAGE 2)

EFFORT AND CATCH DATA 1983 VS. 1984

CHARTER FLEET

WEEK OF	BOAT DAYS		TOTAL CHINOOK		TOTAL CCHO	
	1983	1984	1983	1984	1983	1984
JUNE 1 - 10	27	12	13	21	20	2
JUNE 11- 17	47	128	22	53	35	3
JUNE 18- 24	117	209	47	50	156	29
JUNE 25- JULY 1	213	272	58	119	161	272
JULY 2 - 8	171	239	86	11	326	295
JULY 9 - 15	184	141	61	78	385	192
JUL 16 - 22	202	215	70	79	322	606
JULY 23 - 29	296	359	98	93	265	583
JULY 30 AUG - 5	523	435	196	132	641	524
AUG 6 - 12	552	517	180	210	449	1029
AUG 13 - 19	408	496	109	190	469	881
AUG 20 - 26	248	376	77	173	384	581
AUG 27-SEPT 2	138	174	18	27	160	367
TOTAL	3126	3673	1035	1336	3713	5364

WEEKLY CHINOOK CATCH* ----- IPA VS OPA

WEEK OF	OVER 20 LBS		UNDER 20 LBS	
	IPA	OPA	IPA	OPA
JUNE* I-10	----	13	---	8
11-17	13	1	10	36
18-24	11	7	12	22
25--JULY 1	16	24	31	49
2--8	17	18	18	58
9-15	--	19	--	59
16-22	6	15	12	48
23-29	26	8	12	53
30- AUG 5	99	29	15	54
6-12	120	52	66	51
13-19	97	32	54	41
20-26	64	19	56	37
27-2 SEPT	-	2	2	23
TOTAL	469	239	288	539

IPA-INSIDE PERMIT AREA
OPA-OUTSIDE PERMIT AREA

IPA-----757 CHINOOK/ 1820 BOAT DAYS
= .41 CHINOOK PER BOAT DAY

OPA---- 788 CHINOOK 7245
BOAT DAYS
=.34 CHINOOK PER BOAT DAY

	1979	1980	1981	1982	1983	1984
Boat-Days	1524	(1663*)	1562	1764	1462	1058
Total Chinooks	1436	697	382	398	365	561

*estimated

An indication of the overall strength of the run in 1984 will not be available until the carcass count and seining program is completed in the Wannock River in December 1984.

OBSERVATIONS ON 1984 FISHERY

During the period June 1 - July 30, very few private boats fished Rivers Inlet. The arrival of the large numbers of private boats begins at the end of July and coincides with the main run of Wannock River chinooks. During this time the private vessel count was between 35-60 boats daily.

Fishing for the June run of chinooks was good this year, with somewhere in the order of 5-10 fish over 60 lbs. being taken. After the peak of the Chuckwalla/Kilbella River chinooks, fishing was very poor in the head of the inlet, until mid July. Most lodges concentrate their efforts on fishing at Rouse Reef or the wall during this period.

The Wannock River run of chinooks were very abundant during the period from the end of July to mid August. The week of July 30 - August 6 saw 142 chinook taken in Rivers Inlet, with 32 of these over 50 lbs. The two largest fish were 73.5 and 75 lbs. All but 4 of the large fish were taken at the head of the inlet. The condition of the fish during this time period all very silver, with no darkening visible.

Coho fishing increased dramatically during the week of August 7 - August 14. Average weights were 8-10 lbs., with some individuals up to 18 lbs.

It was near the end of this week when the numbers of large chinooks taken began to drop off, and the size of the private fleet tapered off.

Large chinooks were taken until the end of August this year, but only a few fish each day, with the fish becoming progressively darker towards the end.

As mentioned previously the private fleet was smaller this year than in previous years. It was felt that this was due to several factors, the first being the extremely poor weather in Rivers Inlet. There was only 2-3 weeks of sun during the June 1 - Sept 2 period. Secondly, sport fishing was very good in southern waters this year. Chinook catches in the Campbell River area were good, which may have meant that fishermen did not venture as far.

A graphic comparison of the 1984 chinook catch success rate is given in figure 2.

The coho catch (see Table IV) in Rivers Inlet appears to be the result of a large incidental catch by some fishermen fishing for chinooks, while other fishermen fish exclusively for coho and enjoy it much more than chinook fishing.

SPORTS FISH ENFORCEMENT

Sports fishermen's compliance with sports fish regulations in Rivers Inlet is generally not a problem, due to the fact that the sports fishermen in Rivers Inlet are either paying for the chance to catch fish here or they are private fishermen who have travelled through unpredictable waters in order to fish. With this type of avid fishermen present, there are few who will deliberately break fishing regulations.

Figure 2 - Chinook Catch vs. Effort

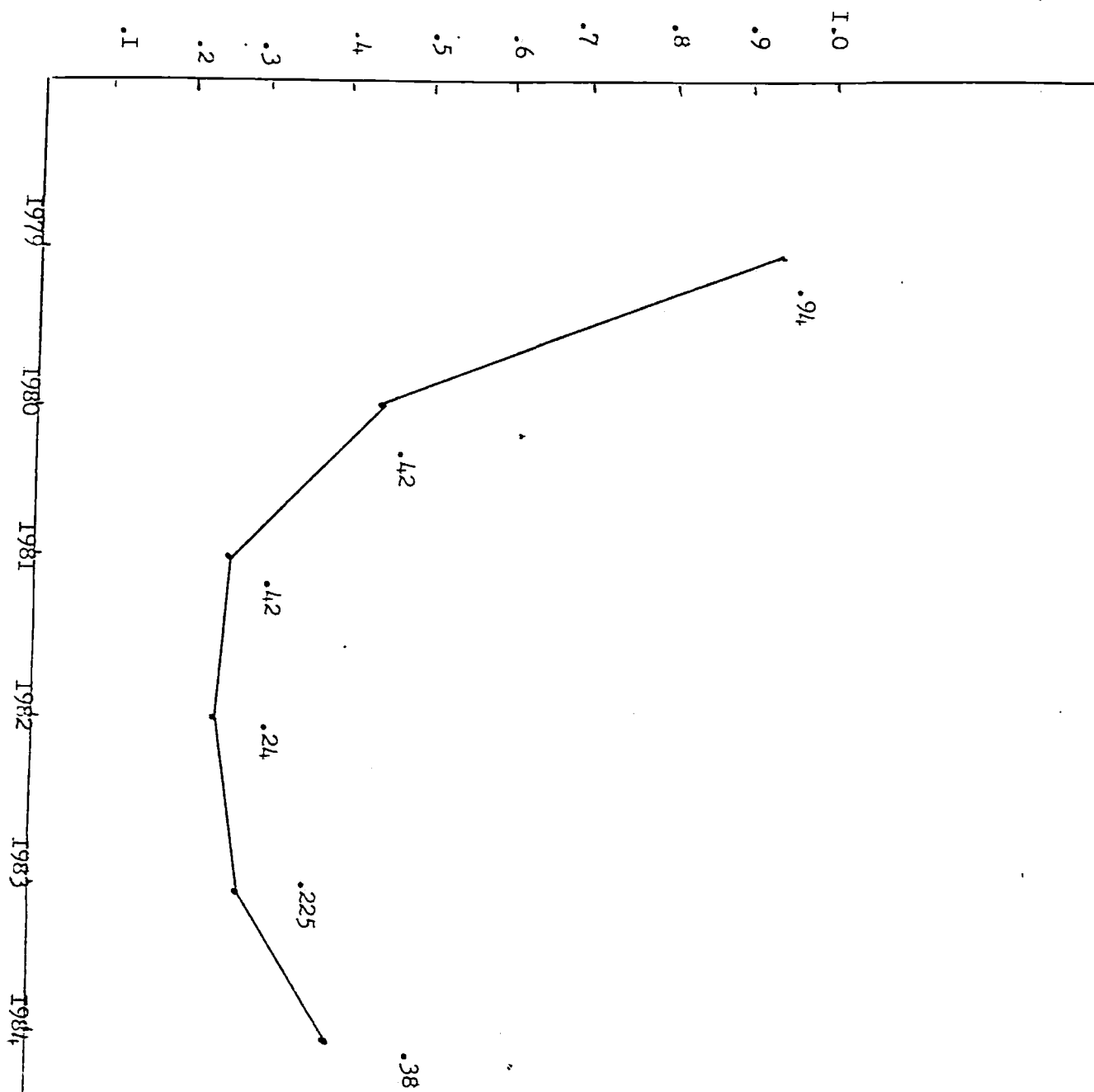


TABLE IV - RIVERS INLET WEEKLY COHO CATCH (SPORT FISHERY)

WEEK OF	BOAT DAYS	IPA	OPA	AVERAGE WEIGHT
JUNE 1-10	12	-	2	5
11- 17	135	-	5	5
18- 24	216	11	18	5
25-July 1	284	11	264	5
2-8	239	30	265	6
9-15	141	-	193	6
16-22	224	44	579	7
23- 29	382	22	608	7
30- AUG5	1337	30	535	8
6-12	645	97	1027	9
13-19	299	316	622	9
20-26	391-	131	491	10
27-SEPT2	174	79	288	11
TOTAL	4779	771	4897	

Sports fish lodges ensure that their guests have licences and are aware of closed areas and fishing limits. The private fleet is reminded of Rivers Inlet chinook catch limits and boundaries, whenever contact is made with them by the guardians.

It was found that the present situation of one guardian stationed near Dawsons Landing working the entrance to Rivers Inlet and a second guardian stationed at the Sports Fish Float in Browns Bay, in the head of Rivers Inlet was adequate coverage of the inlet for enforcement and statistical purposes. Through regular daily patrols on behalf of the two guardians, throughout the inlet, any violations of sports fish regulations were minimal.

The two areas closed to fishing in Rivers Inlet (Kilbella Bay and the head of Rivers Inlet), were well respected by fishermen this year. Many fishermen had questions about the reasons for the closures of these areas, but when explained, most were agreeable to the closures.

SUMMARY

The efforts of the sports fish lodges in maintaining and co-operating with the weekly tally sheet system were greatly appreciated this summer. The lodges continued to be helpful in providing the DFO with information pertinent to the Rivers Inlet Sport Fishery. It is recommended that this system of keeping track of the sports lodges continue.

Contact with the private fleet via the guardians also worked extremely well this year, the benefits having previously being mentioned.

The Rivers Inlet reduced chinook limit of two chinook/day is still well accepted. Few people catch their possession limit of four large chinook, with many being pleased at one fish.

Coho fishing is continuing to expand in the Rivers Inlet area, with several of the lodges filling in the "slow" chinook fishing times by transporting guests to areas with coho fishing.

The guardians' patrol vessels are adequate, as both are equipped with spare motors and VHF radios. These vessels along with the two guardians in Rivers Inlet provided for a successful monitoring of the fishery.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

INDIAN FOOD FISHERY

In area 9 the Indian Food Fishery was participated by the Cweekeno Band and the Bella Bella band. The Bella Bella band received three Indian Food Fish Licences, two were for commercial gillnetters and one was for a commercial Seine vessel. There were very few fish taken by the seine vessels this year because other commercial fisheries were taking place during the Sockeye run into Rivers Inlet. The Bella Bella bands catch was 394 pieces of Sockeye, plus a limited number of incidentally caught Pink Salmon. The Cweekeno Band council accepted a band licence this year, however they wouldn't sign the licence in protest of their claim of Fisheries violating their rights by making them sign the licence. However they did agree to keep track of their catch each week. This program didn't run smoothly due to the band not always having information available and our staff not picking up the information on a regular basis. With a little effort from both sides I believe this could be worked out in future years. Three individual licences were issued to Cweekeno Band Members. In fact a licence to operate a commercial gillnetter was issued twice in order to catch a high percentage of the sockeye needed for the village. The remainder of the catch was taken from the Wannock River and head of Rivers Inlet (ie estuary of the Wannock River.)

<u>Yr.</u>	<u>Sockeye</u>	<u>Coho</u>	<u>Pink</u>	<u>Chum</u>	<u>Chinook</u>
1984	1,800	150	40	200	35-40
1983	7,500	200	100	500	50

HRM - JUN 84

BRIAN LUNN
(PRINT NAME)

26 Brian Lunn
(SIGNATURE) PAGE _____ OF _____
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS; OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Salmon Net Fishery Area 9

The expectations for 1984 were for 816,000 sockeye which fell short of the 1,000,000 optimum escapement, thus no fishery was anticipated.

On July 9/10/84 the Walker Rock began the Echo Sounding program at the Head of Rivers Inlet. The total soundings began at 21,000 and built up to a peak of 484,205 on July 19/20. There was a reasonable showing of jumpers plus a good echo sounding indication so a test commercial gillnet fishery was called for July 22/23 for 24hrs in an area seaward of Good Hope - North Walbran Island line out to the Calvert Island boundary lines. Approximately 250 gillnets participated in this fishery for a catch of 31,000 sockeye. These catches were poorer than expected for peak week thus the area was closed after 24hrs.

This was the official end of the Sockeye fishing for 1984, however sockeye were picked up in subsequent fisheries incidentally. The total catch for 1984 was 51,818 pieces of Sockeye.

Coho

There was an incidental catch of 6,178 pieces. There were no fisheries targeting on Coho this year.

HRM-JUN 84

BRIAN LUNN

(PRINT NAME)

27

(SIGNATURE)

PAGE 05
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS; OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Salmon Net Fisheries Continued

Area 9

Pinks

The total estimated pink catch was 79,495 pieces. As per the pre-season expectations, sub areas 9-2, 9-3, 9-4, & 9-11 (Stone point to Calvert Is.) were open to gillnets only on July 29/84 for 24hrs. There were 146 gillnets operating, and most gillnets concentrated on catching Sockeye and not Pinks. However Pinks were our target and some vessels had over 200 pinks for the first 24hrs. so a 24hr. extention was given. Only 99 gillnets remained to fish this 24hr. period because Sockeye catches were low and they had no intention of fishing for Pinks.

The next week, August 5/84 sub-areas 9-2, 9-3, 9-4 & 9-11 were re-opened to gillnets with a mesh restriction of not more than 140mm to protect Chum Salmon stocks. Excellent pink catches were reported between Stone pt. and Whadams pt. thus a 24hr extention was given. By the end of the first 48hrs. of fishing the only good catches remained near the Johnston Creek area. Indications of fish near Johnston Bay remained strong. In order to harvest these stocks a second 24hr. extention was given to sub area 9-3 only, and all other areas were closed to protect weak Pink, Chum, and Sockeye stocks. Area 9 was closed after three days fishing, a total of 38-40 gillnets fished this week.

The next week Area 9 opened to gillnets only in Sub areas 9-2 and 9-3 with no mesh restrictions in place. Pink catches were excellent near Johnston Creek thus the first extention was given. Pink catches and indications near Johnston Creek remained strong thus a second opening was given, however to protect Droney Chums, a maximum mesh restriction was put in place of 140mm. A third extention was given and good catches of pinks were revealed. However the area was closed after four days fishing to assess stock strenghts. There were 21-26 gillnets fishing this week for a total catch of 14,458 pink salmon.

HRM - JUN 84

BRIAN LUNN

(PRINT NAME)

28

(SIGNATURE)

PAGE OF
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Salmon Net Fisheries Continued

Finks ... continued

The next week, August 18/84, area 9 was open for gillnets only in the following sub areas, 9-2, 9-3, 9-4, 9-5, & 9-11 for 24hrs. The catches were fair to good near Johnston Creek however escapements to most streams were down. The area was closed after 24 hours. Twenty-four gillnets operated this week.

Area 9 Closed For The Balance of the Season on September 6, 1984.

Chums

There were 9,889 Chums caught this year. Most fish were caught incidentally during the Pink Salmon fisheries.

Chinook

There was an incidental catch of 878 pieces. There ere no Fisheries targeting on Chinook this year.

HRM - JUN 84

BRIAN LUNN

(PRINT NAME)

29

(SIGNATURE)

PAGE 05
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

1984 RIVERS INLET SOCKEYE SOUNDING PROGRAM RESULTS

<u>DATE</u>	<u>MISS ROBYN GRID</u>	<u>RD 102 GRID</u>	<u>TOTAL</u>
July 9/10	0	21,000	21,000
10/11	15,000(estimate)	63,000	78,000
11/12	25,770	196,490	222,260
12/13	13,214	126,182	139,396
13/14	47,824	119,774	167,598
14/15	174,638	58,777	233,465
15/16	259,860	39,553	299,413
16/17	341,461	52,492	393,953
17/18	299,198	105,830	405,028
18/19	286,400	97,806	384,206
19/20	384,670	99,535	484,205
20/21	356,323	28,761	385,084
21/22	339,467	22,089	361,556
22/23	315,730	30,926	346,656
23/24	308,928	34,052	342,980
* 24/25	465,011	0	465,011
* 25/26	373,492	0	373,492
26/27	Discontinued this day		

*Note: Fish are all bunched up in one grid (#4). The fish are deep and very hard to count. This is not an accurate count.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

WEEKLY OPERATIONAL FRAMEWORKAREA 9 - RIVERS INLETWEEKLY PERIOD - JUNE 24 - 30

The following Operational Framework was recorded in Prince Rupert in June 1984 by Central Coast staff including Fishery Officers, Assistant Supervisor C.R. Wilson, and Biologists Peacock, Sprout, and Goruk. The intent of this exercise was to identify indicators and considerations used in salmon management on a week by week basis so they could be used as a framework of objectives in conjunction with the weekly Record Management Strategies. (Subject to change or revision).

HRM July/84

Sockeye - expectations would play a major role at this time. Indicators of jumpers in the inlet, especially in DARBY CHANNEL. Off shore showing - HAKAI and CALVERT ISLAND. Other areas' success (like BARKLEY SOUND) might be worth considering if extreme.

HRM - JUN 84

David M. Teuch
(PRINT NAME)

31

David M. Teuch
(SIGNATURE)

PAGE OF
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

JULY 1 - 7

Sockeye: Expectations relied upon, especially if not fishing. Presence of fish, esp. DARBY CH. Off shore indications (HAKAI, CALVERT) Gillnet daily av. if fishing, comparison with past years. Patrol boat soundings if emergency indication required. SMITH INLET may indicate survival in RIVERS.

HRM - JUN 84

Gordon McLEACHEN
(PRINT NAME)

32 [Signature]
(SIGNATURE)

PAGE OF
(FOR THIS WEEKLY PERIOD)

RECORD OF
MANAGEMENT STRATEGIES

Sockeye 7-1-7 1987 9
(SPECIES) (FOR WEEKLY PERIOD SUN.-SAT.) (AREA)

	CURRENT WEEK	COMPARATIVE		YEAR(S)
		Jul. 6-13	1980	July 1-7 1979
SEINES (OPERATING)		(Based Year)		(Based Year)
NO. OF DAYS FISHING				
PREVIOUS TOTAL TO DATE				
PROJECTED CATCH TO 6PM	AV ()			
PROJ. TOTAL TO DATE				
GILLNETS (OPERATING)	0	0		76
NO. OF DAYS FISHING	0	0		1
PREVIOUS TOTAL TO DATE	0	0		3652
PROJECTED CATCH TO 6PM	AV ()			11587 Actual
PROJ. TOTAL TO DATE				15237 Actual
PROJECTED TTD (SN AND GN)				15237

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Area 9 closed this week as per expectations of a run size less than 1,000,000 sockeye

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN _____ AM PM _____
AREA CLOSE _____ AM PM _____
R. CIRCLE DATE

Area 9 closed

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEAR TYPE.

AREA OPEN _____ AM PM _____
TIME DATE LENGTH OF OPENING

Area 9 will remain closed for the upcoming week as per expectation of a run size less than the target escapement of 1,000,000 sockeye

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Weather:

Very poor weather all week with low stratus cloud and periods of heavy rain. In fact all of June has been poor weather as far as wind is concerned.

The River Inlet Echo Sounding Program

The River Inlet Echo Sounding program is slated to start tomorrow or July 1 or July 2/84

General

Up to the end of this week very few tumpet (sockeye) have been seen by local people. In fact the writer has only seen two sockeye up to date. This may be a result of the poor weather or a wear out of sockeye. It is believed as now some fishermen are sockeye don't catch well in poor weather.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

JULY 8 - 14

Sockeye: Sounding program begins this week - fish holding in MISS ROBIN and RD 102 grids. IFF catch indications. Jumpers. Good troll catch of Soc. off RIVERS INLET. Area 8 Soc. catch in HAKAI and lower FITZHUGH if fishing there. Key week for run prediction.

HRM - JUN 84

Gordon McFACHEN
(PRINT NAME)

35

Gordon McFachen
(SIGNATURE)

PAGE OF
(FOR THIS WEEKLY PERIOD)

RECORD OF
MANAGEMENT STRATEGIES

Sockeye July 8-14 1984 9
(SPECIES) (FOR WEEKLY PERIOD SUN.-SAT) (AREA)

	CURRENT WEEK	COMPARATIVE		YEAR(S)
		July 6-12	1980	July 8-14 '84
SEINES (OPERATING)		0		0
NO. OF DAYS FISHING				
PREVIOUS TOTAL TO DATE				
PROJECTED CATCH TO 6PM	AV ()			
PROJ. TOTAL TO DATE				
GILLNETS (OPERATING)	0	0		0 closed this week
NO. OF DAYS FISHING				0
PREVIOUS TOTAL TO DATE	0			1101
PROJECTED CATCH TO 6PM	AV ()			0
PROJ. TOTAL TO DATE		closed in brood year		1101
PROJECTED TTD (SN AND GN)				1101

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Area 9 was closed this week as per expectations of a lower than optimum escapement

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN _____ AM PM _____
AREA CLOSED _____ AM PM _____
 HR. CIRCLE DATE

closed. This week

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEAR TYPE.

AREA OPEN _____ AM PM _____
 TIME DATE LENGTH OF OPENING

The decision for next weeks fishing will be deferred until Thursday July in order to evaluate the weeks results for the Rivers Inlet Echo Sounding Program.

On July 12/84 (Thursday) the Echo sounding for the night of July 11/84 was 222,260 sockeye. The boarder fair outfit was recommend we stay closed this week to get a higher count in the sanct area.

(see comm. under DFC meeting)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Weather

See the Area 10 weather as per the 1984 Record of Management Strategies for this week

Water Levels

Water Levels in all rivers and creeks are high at the beginning of the week this due heavy rainfall all last week. The water levels started to drop at the end of the week.

Trolling

Trolling in Area 9 is only permitted in net fishing places and times. Thus no trolling this week in Area 9.

July 8/84 SundayGeneral

All patrol vessels and Fisheries Officers in Smith Inlet today for the Area 10 commercial fishery. Thus no new information for Area 9 sockeye stocks

July 9/84 MondayRivers Inlet Echo Sounding Program

The River Inlet sounding program started tonight with the Walker Rock. The results for the night of July 9/84 was

<u>Miss Robyn</u>	<u>RD 152</u>	<u>Total</u>
0	21,000	21,000

Please note the sounding grids have slightly changed to better evaluate the area between Ribbell Bay Inlet and Smith Bay.

(See map next page)

HRM-JUN 84

Gordon McEACHEN
(PRINT NAME)

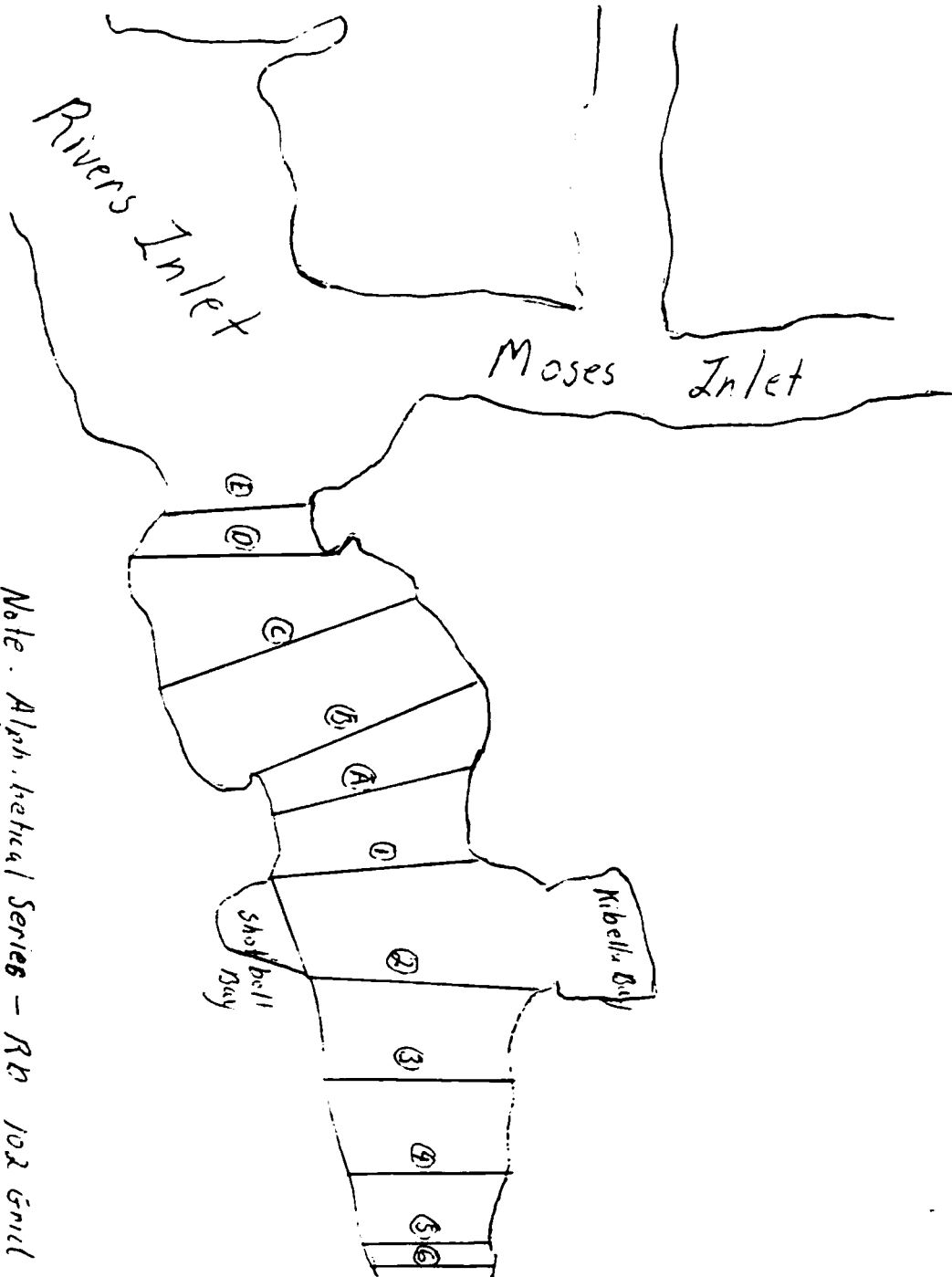
37

Paul M. Taylor
(SIGNATURE)

PAGE 2 OF 7
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Rivers Inlet Echo Soundings Grid Pattern



Note. Aliph. helical Series - RN 102 Grid
Numerical Series - Miss R:byn Grid

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 9 cont.

General

All patrol vessels and Fishery Officers involved in the clean-up of the Area 12 (Smith Inlet) fishery

July 10/74 Tuesday

Rivers Inlet Echo Sounding Program

The Echo Sounding results for the night of July 10/11/74 was as follows

<u>Miss Robyn</u>	<u>R.D. 102</u>	<u>Total</u>
(Estimate) 15,000	62,000	78,000

General

There now appears to be a better showing of sockeye jumpers in the Inlet. The "Porsepu" reports a good showing of jumpers between Goose Bay and Madam's Point. Some of these jumpers look small, they may be pinks. Neil Raine (Canadian) reports seeing 50 jumper between Dawson and Madam's Bay. He also comments that several jumpers are small, possibly pinks.

July 11/74 Wednesday

Rivers Inlet Echo Sounding Program

The Echo sounding results for the night of July 11/12/74 was as follows

<u>Miss Robyn</u>	<u>R.D. 102</u>	<u>Total</u>
25,770	196,490	222,260

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 11/84 cont.

Weekly Meeting With Industry

A weekly meeting with industry was held to-day in Dawson's Landing see Area 10 Record of Management Strategies

July 12/84 Thursday

General

The "Pursepa" report a fair to good showing around Draney Narrows to-day at high tide. However not as good as yesterday

Meeting in Bella Bella with DFO Staff

Meeting in Bella Bella today with District Fishery Officers to discuss next week's fishing plans. Area 9 had an Echo Sounder count of 222260 sockeye for 1st night. This is a fair count for this time of the month but we still fall quite short of our 350,000 target. It was felt that we should continue monitoring the counts closely for any major changes but not open this Sunday. It was also noted we had a fair showing of jumpers in some locations but it was not consistent.

Jack Stefik of the "Sweet Sixteen" suggested that he expected to see more jumpers for this time of year.

July 13/84 Friday

Rivers Inlet Echo Sounder Program

Results night of July 12/84

<u>Mrs. Robyn</u>	<u>10 102</u>	<u>Total</u>
13 214	126,182	139,396

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 13/84 cont.

Indian Food Fish

- 1) The Cweekens Band reports that they have not seen any Sockeye in the River yet this year
- 2) The Bella Bella Band was going to send down a seiner today but decided not to because Area 3-4&5 were going to open on Sunday

July 14/84 Saturday

Rivers Inlet Echo Sounding Program

Results for night of July 13/14/84

<u>Miss Robyn</u>	<u>RD 102</u>	<u>Total</u>
47,824	119,774	167,598.

Rivers Inlet Echo Sounding Program for this Week

	<u>Miss Robyn</u>	<u>RD 102</u>	<u>Total</u>
July 9/11	0	21,000	21,000
July 10/11	15,000 (Est.)	63,000	78,000
12/12	25,770	146,490	222,260
12/13	13,214	126,182	139,396
13/14	47,824	114,774	167,598.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Sports Fishing

The following fish have been caught by sports fishermen between June 1, 1984 to July 10, 1984

- 141 - Chinooks over 20 lbs
- 168 - Chinooks under 20 lbs
- 583 - coho
- 13 - chums
- 385 - pinks
- 2 - sockeye

It took a total of 897 boat days to catch these fish. Please note 5 of these chinooks were over 60 lbs, the largest being 67½ lbs.

The sports fishing lodges are at present (July 10) not running at full capacity due to poor catches which occur at this time of year. Private sports boats have been very scarce this season. This may possibly be due to good catches in the Gulf of Georgia and very poor weather in this area.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

JULY 15 - 21

Sounding program very important this week and by weekend a good idea of total stock. IFF in WONNOCK indicates movement of fish to the lake (i.e. helps interpret sounding program). IFF (Bella Bella) in the Inlet indicator of the inlet - prefer DARBY for IFF. Jumpers and expectations if closed. Catch information and comparisons if open, and Area 8 fishery in Hakai and lower FITZHUGH if there is a fishery there. Troll catch off CLARK PT. Almost peak week.

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

43

Gordon McEachen
(SIGNATURE)

PAGE OF
(FOR THIS WEEKLY PERIOD)

RECORD OF
MANAGEMENT STRATEGIES

Sockeye
(SPECIES)

7:14/15-21 1984
(FOR WEEKLY PERIOD SUN.-SAT.)

9
(AREA)

	CURRENT WEEK	COMPARATIVE YEAR(S)
		,19__ ,19__
SEINES (OPERATING)		
NO. OF DAYS FISHING		
PREVIOUS TOTAL TO DATE		
PROJECTED CATCH TO 6PM	AV ()	
PROJ. TOTAL TO DATE		
GILLNETS (OPERATING)	0	
NO. OF DAYS FISHING	0	
PREVIOUS TOTAL TO DATE	0	
PROJECTED CATCH TO 6PM	AV ()	
PROJ. TOTAL TO DATE		
PROJECTED TTD (SN AND GN)		

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Area 9 Remains Closed

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES, BOUNDARY CHANGES

AREA OPEN ____ AM PM ____
AREA CLOSED ____ AM PM ____
HR. CIRCLE DATE

Area 9 Remains Closed

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEARTYPE.

AREA OPEN 6:00 AM (PM) July 22/84 (Sun) 24 hours
TIME DATE LENGTH OF OPENING

Open for GN only for 24 hours in sub areas 9-1, 9-2, 9-3, and 9-11

This was decided on the July 19 Central Coast meeting (See July 17 DFO meeting for reasons)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 15/84 Sunday

Weather

See the Area 10 weather wiper the 1984 Record of Management Strategies for this week

Rivers Inlet Echo Sounding

The Echo sounding results for the night of July 14/15/84

<u>Miss Robyn</u>	<u>RD 102</u>	<u>Total</u>
174,688	58,777	233,465

Indian Food Fish

The "Zawais" took food fish by commercial gillnet for the Oweekeno Band. The person was using a 4 1/2" net and made 3 sets.

Set #1

Start: 1535 hours

Finish: 1700 hours

Set length: 1.5 hours

Location: 1 mile south of Draney Inlet on Goose Bay shore line.

Catch: 62 - 0 - 7 - 4 - 0 - 0 - 1

Set #2

Start: 1845

Finish: 2030

Set length: 1.5 hours

Location: 1/2 way between Charcoal Bay & Stone Point.

Catch: 66 - 0 - 3 - 0 - 0

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Set #3 Start: 2100
 Finish: 2330
 Set Length: 2 hours (Dark Set)

Location: Darby Channel, Dawsons Landing

Catch: 182 - 0 - 5 - 2 - 0

Total Catch: 310 - 0 - 15 - 6 - 0 - 0 - 1

General: (1) Goose Bay fish were a good mixture of large and small fish

(2) Charcoal Bay, there was a lot of small fish

(3) A lot of large fish in front of Dawsons Landing

(4) The average weight was between 5-6 lbs.

July 16/84 Monday

Rivers Inlet Echo Sounding

The night of July 15-16/84

<u>Miss Robyn</u>	<u>RD 102</u>	<u>Total</u>
259,860	39,553	299,413

During the last two nights the fish have shifted from the outside grids to the inside grid.

General

A fair showing of jumpers (sockeye & pink) are seen in Darby Channel and Draney Inlet.

July 17/1984 Tuesday

Rivers Inlet Echo Sounding

	<u>Miss Robyn</u>	<u>RD 102</u>	<u>Total</u>
July 16/17	341,461	52,492	393,953

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 18/84 Wednesday

Rivers Inlet Echo Sounding

	<u>Miss Robyn</u>	<u>RD 102</u>	<u>Total</u>
July 17/18	299,198	105,830	405,028

The sockeye continue to hold in the Miss Robyn Grid. It is interesting to note that the Walker Rock is seeing very few fish between Long Pt and Darby Ch. when they return home every night.

Meeting with Industry in Dawson Landing

See Area 10 for list of representatives

With the echo sounding program indicating 405,028 sockeye in the grid area, it appeared that we should take a dip next Sunday to evaluate the strength of the stocks in Rivers Inlet. We discussed the sub areas that could be opened. It was felt that opening 9-1 we would see if any new stocks were moving into the area and if we left 9-4 - 9-5 closed we would protect the stocks holding in these areas. The following areas were thus recommended for a gillnet only fishery

9-1, 9-2, 9-3, 9-11.

General

Steve Bachen reports seeing a large school of sockeye early this morning in Darby Channel.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 19/84 Thursday

Rivers Inlet Echo Sounding

	<u>Miss Robyn</u>	<u>RN 102</u>	<u>Total</u>
July 18/19	286,400	97,806	384,206

Meeting in Bella Bella with DFO staff.

Weekly meeting in Bella Bella with the Central Coast Fishery Officers to discuss next weeks fishing times.

With good Z.F.F. catch (Zawais), good showing of jumpers in Durby Channel, and 384,206 (today) the recommendation for next week was to take a test dip in Area 9. The following sub areas were recommended 9-1, 9-2, 9-3, 9-4 as discussed with industry. This fishery would be used to evaluate the total stock of sockeye in Area 9.

General

The "Pursepu" is pink jumpers in the "Hole in the Wall" today. This is about two weeks earlier than usual for this area. He also reports seeing mixed sockeye and pinks jumping around Draney Inlet up to Madams Pt.

July 20/84 Friday

Rivers Inlet Echo Sounding

	<u>Miss Robyn</u>	<u>RN 102</u>	<u>Total</u>
July 19/20	384,670	99,535	484,205

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 20

General

The "Pursepa" had a look at lower Wannoch River for sockeye moving up the river. He reported seeing 55 sockeye jumpers between the Piles and the Village dock. The survey was done near high tide in the evening. The people in the village reported that to day is the first day they saw sockeye in the mouth of the river. It did not appear like the sockeye were moving up the river.

July 21/84 Saturday

Rivers Inlet Echo Sounding

	<u>Miss Robyn</u>	<u>RD 102</u>	<u>Total</u>
July 20/21	356, 323	28,761	385,084

Most of the sockeye moved up into the Miss Robyn Grid last night.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Sports Fishing

During the week of July 10/84 to July 18/84 there was the following catch

18 - chinooks over 20 lbs
71 - chinooks under 20 lbs
197 - coho
2 - chums
50 - pinks
0 - sockeye

Boat Days - 165

The above catch was mostly from Rivers Inlet Sports Fishing Camps. There was very little pressure from private boats.

The following is the Total Catch to date from June 1/84 to July 18/84

159 - chinook over 20 lbs
234 - chinook under 20 lbs
735 - coho
4 - chums
436 - pinks
2 - sockeye

Total Boat Days - 1055

General

Sport Catches this week have been extremely poor at the head of the Inlet. With the bulk of the catch being taken in the areas near the Wall and Rouse Reef, indicating that the majority of fish are probably not local stocks.

The Chuckwalla River and Kibbella Rivers was closed to sport fishing for chinooks Effective Midnight July 17 to Midnight Nov. 30/84. This was due to low stocks and increased pressure on the rivers by the logging camp and lodges.

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

50

Gordon McEachen
(SIGNATURE)

PAGE 7 OF 7
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

JULY 22 - 28

Sounding program ends this week. Best estimate on what escapement will be until Fall inspection. Catch information if fishing. IFF in WANNOCK RIVER.

Pinks: a few showing up in sport fishery around ROUSE REEF. Nothing much in JOHNSON. Should be some jumping in the Bay,

Chum - incidental catch - too early to tell.

HRM-JUN 84

Gordon McEACHER
(PRINT NAME)

51

[Signature]
(SIGNATURE)

DATE	GEAR OP.	DEL.	SOC.	COHO	PINK	CHUM	CHIN.	JACK	ST. HD.
Gillnet									
July 22	250GN	0							
July 23	250	424	31,002	741	11,340	775	235	55	10
T.F.W.	GN		31,002	741	11,340	775	235	55	10
T.T.O.	GN		31,002	741	11,340	775	235	55	10
Please note: The above figures are based on the following delivery slips and hails reported at the end of the fishery.									
July 23		398	30,276	727	11,222	772	232	52	10
Average Weight :				Pinks 3.7 lbs					
				Sockeye: Wadum: to Good Hope				5.6 lbs	
				Goose Bay to Culvert Is				6.6 lbs	

RECORD OF
MANAGEMENT STRATEGIES

Sockeye
(SPECIES)

July 22 - 28 1984
(FOR WEEKLY PERIOD SUN.-SAT.)

9
(AREA)

	CURRENT WEEK	COMPARATIVE July 26 - Aug 1, 19 <u>81</u>	YEAR(S) July 22 - 27, 19 <u>73</u>
SEINES (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)	250	204	685
NO. OF DAYS FISHING	1	2 (1 of 2)	5 (1 of 5)
PREVIOUS TOTAL TO DATE	0	0	708684
PROJECTED CATCH TO 6PM	24,000 AV (96)	28821 ^{50 H} (10,301)	390520 (216 H)
PROJ. TOTAL TO DATE	24000	28821	1099204
PROJECTED TTD (SN AND GN)		Ex 753,075	Ex 1,000,000

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Open for Gillnets Only in Sub areas 9-1, 9-2, 9-3, 9-11
Creek mouth boundaries in effect: Johnston Creek
Beaver Creek
No mesh restriction. Also open to Trolling in the same areas

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN 6:00 AM PM Sun. July 22/84

AREA CLOSED 6:00 AM PM Mon. July 23/84

Closed as scheduled after 24 hours. Due to poorer than expected catches on Sockeye for peak week

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEAR TYPE.

AREA OPEN 0600 AM PM July 24/84 24 hours

Open for Gillnets and Troll in subareas 9-2, 9-3, 9-4 & 9-11 to evaluate pinks in the area. Sockeye is not the target species next week even though there will be a fair catch of sockeye. We will mostly be interested in the pink catches.

RECORD OF
MANAGEMENT STRATEGIES

Pink July 22-28 1984 9
(SPECIES) (FOR WEEKLY PERIOD SUN.-SAT) (AREA)

	CURRENT WEEK	COMPARATIVE YEAR(S)	YEAR(S)
		July 23-29 1978	July 25-31 1976
SEINES (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6 PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)	250	63	481
NO. OF DAYS FISHING	1	2 (1072)	3 (1073)
PREVIOUS TOTAL TO DATE	0	6938	2917
PROJECTED CATCH TO 6 PM	12,500 AV (50)	9989 (44 AV) (3132)	9735 (62 AV) (30180)
PROJ. TOTAL TO DATE	12,500	16,927	170,806
PROJECTED TTD (SN AND GN)		Esc. 109,650	Esc. 259,600

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

See Sockeye for this week.

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES, BOUNDARY CHANGES

AREA OPEN _____ AM PM _____

AREA CLOSED _____ AM PM _____
HR. CIRCLE DATE

See Sockeye for this week

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEAR TYPE.

AREA OPEN _____ AM PM _____
TIME DATE LENGTH OF OPENING

See Sockeye for this week

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 22/84 Sunday

Weather: Clear hot and Sunny all day with a heavy fog at the entrance to the Inlet.

The Fishery

The fishery opened with the following gear count:

Gear Count

	<u>GN</u>	<u>Troll</u>
9-1	45	2
9-2	64	1
9-3	101	8
9-4	40	0
	<u>250</u>	<u>11</u>

At 2200 hrs the following haul were completed and passed in.

9-1 - "Falcon Rock"

Dugout Rock area:

checked 11 GN for a Total 176-6-4-13-0-0-1
Average 16 sockeye

Near Sharbau Is.

checked 4 GN for a Total 27-4-2-5-1
Average 7 sockeye

9-2 "Pursepa"

checked 9 GN Average 32.5 sockeye
1 Troll " 6 sockeye

Small nets getting more sockeye and pinks.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER-CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

9-3 "Dabine Post"

Checked 19 GN Average 28 Sockeye
4 Pinks

9-11 "Talus"

Checked 23 GN Average 37 - 0.17 - 6 - 0.34 - 0

Total: Sockeye average 24

General: The fishery started off slow with the bright spot being Darby Ch.

IFF: Percy Walkus (Dweekeno Village) reports only catching 1 steelhead in the Wannock Rivers yesterday. He caught 4 sockeye by the Sierra log dump. They have not seen any sockeye in the river yet.

July 23/84 Monday

Weather: Clear hot and sunny all day with heavy fog at the entrance to the inlet.

The Fishery

In the morning the entrance to the inlet was fogged in, outside of Goose Bay and Finn Bay. The gear count was hampered due to fog so we just used last night's counts.

The following nails were collected for the morning averages

7-1

Checked 17 GN average 64 - 3 - 15 - 4 - 1 - 0

A few good sets this am around Buyout Rock (ie 75, 100, 45 & 50 per set)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

9-2 Checked 17 GN Average 74.3 - 1 - 30 - 1 - 0 - 0
High: 146 Sockeye Low: 42 Sockeye

9-3 Checked 28 GN Average 64 - 0 - 25 - 1 - 0 - 0
High: 125 Sockeye Low: 12

Checked 4 Troll Average 6 sockeye.

9-11 Checked 9 GN Average 88 - 0 - 54 - 0.5 - 0

Overall average Sockeye - 79
Pink - 31

By 0900 hrs in the morning four deliveries were obtained for an average catch of 79 Sockeye and weights of
Sockeye - 5.2 lbs
Pink - 3.5 lbs.

0400 hrs Projected Catch

9-1	45 X 90 =	4050	Sockeye
9-2	64 X 100 =	6400	"
9-3	101 X 90 =	9090	"
9-11	40 X 110 =	<u>4400</u>	"
	Total:	23940	
	Total: \approx	<u>24000</u>	<u>96</u> Average

Pink
Projected 50 average for pinks
250 X 50 = 12500 50 Average

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

DFO. Weekly Meeting in Bella Bella

Again this monday the senior Central Coast Fishery Officers met in Bella Bella to discuss this weeks fishing.

Area 9

My impressions of fishing this week was that so far it is poor for peak week. If we had 1,000,000 plus sockeye in the inlet we would have much better fishing. Probably closer to a 200 average on the Sockeye. The fishery on the outside line (Doyout Rocks) seem poor this am. with a morning average of 64 sockeye.

There is good pink catches this week. We appear to be doing well for pinks so far. In fact there is pinks showing in the Hole-in-the-Wall. This is two week earlier than usual.

At 1100hrs F/O Lunn reported fishing as slow in the inlet.

My recommendation for this week was to close as scheduled after 24 hours. This was accepted by E. Kremer.

(10:00 PM) 1800 hrs

The closure patrol at 1800 hrs indicated that fishing picked up during the later part of the afternoon in most of the inlet. The outside line had some afternoon sets of 40-90 pieces of sockeye. This increased the averages on Sockeye higher than we expected. However not really enough to change the overall picture.

Troll

We had four deliveries for the following

- 1) 0 - 150 - 0 - 0 - 0 (Clark Pt Area)
- 2) 20 - 0 - 370 - 0 - 1 (Between Good Hope & Johnston Creek)
- 3) 13 - 3 - 322 - 0 - 0 (" " " & " ")
- 4) 14 - 0 - 378 - 0 - 0 (" " " & " ")

This indicates lots of pinks near Johnston Creek

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 24 Tuesday

Weather: Clear, hot, and sunny to day with a morning fog in the entrance to the inlet.

Echo Sounding Program

July 23/24	Miss Robyn	RD 102	Total
	308,928	34,052	342,980

Most of the fish are between Shot bolt Bay and the Wannock River. Very little showing on the outside grid.

General

Boated from Dawsons Landing to the Genessee River in Oweker Lake today. We did not observe any sockeye in the Wannock River or the lake. The weather was very good for observing jumpers.

There was however a large school of sockeye holding of the mouth of the Wannock River. These fish appear to be getting ready to go up the Wannock on the high tides at the end of this week.

Indian Food Fish

Indian Food Fish results from two commercial G-Ns in Charcoal Bay. Each Gillnetter made three sets between 1000hrs and 1600 hrs for the following results

- 1) 22-0-2-1-0
- 2) 27-0-8-0-0
- 3) 39-0-5-1-0
- 4) 43-0-25-1-0
- 5) 25-0-4-2-0
- 6) 81-0-4-3-0

The last set was the farthest up the inlet and was at the max ebb tide possibly catching some sockeye backing out of the inlet.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGES CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK".

July 25/84 Wednesday

Weather: See Area 10

Echo Sounding Program

July 23/24	<u>Miss Robyn</u> 465,011	<u>RD 10.2</u> 0	<u>Total</u> 465,011
------------	------------------------------	---------------------	-------------------------

The fish (sockeye) are all bunched up in one grid (#4). The fish are deep and very hard to count. This is not a very accurate count. The sockeye appear like they are getting ready to go up the river, probably on these high tides at the end of the week.

Weekly Meeting with Industry in Dawson's Landing

Again this week we had a meeting with industry to discuss the status of stocks in area 9 & 10. There were 5 people from industry present. (See Area 10 for names)

The information for last Sunday's fishery was presented to the industry people. The main discussions evolved around the department's optimum escapement of 1,000,000 sockeye for the Oweekeno Lake. One individual in particular who represent the U.F.A.W.U. strongly felt this was too many fish and that 500,000 is enough. The meeting seemed to go around in circles as this one individual continued to press his point. He did not have any interest in the reasons for decision nor was he willing to back his own thoughts up with any sound reasoning other than they needed to fish to make money. After leaving this meeting a felt that very little value came out of it. This was the worst session with industry to date.

However a few points were brought up by other people in the group. They were as follows:

cont.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

- 1) Should use the description for the Adenbroke Pt Line as the Swan Rock - South Pt Line because too many people get confused between (Swan Rock) Adenbroke Pt and Adenbroke Light when they hear an announcement.
- 2) Sub area 9-1 is not a good area to catch pinks for Rivers Inlet other than the Rouse Reef - Dimsey Pt area.
- 3) The area near Sundel Bay is a good area to catch pinks. This may indicate strength of pinks going to Messes Inlet or the Chuckwalla - Kibella River area.

Indian Food Fish Catch

The commercial seine vessel "Bromudd" came from Bella Bella today. They wanted to fish in the Channel area. They ended up making 5 sets near Stevens fish for the following catch
157-0-277-3-0

General

A few pinks are reported for Johnston Creek area. This is early for this system.

Scale Samples

These samples were taken from the July 22-23 gillnet fishery in Area 9

Age	4 ₂	-	37 fish (Sockeye)
"	5 ₂	-	28 Sockeye
"	6 ₃	-	1 sockeye

My prediction of total sockeye stock is between 500-700,000. Most likely the high side of this range

HRM-JUN 84

Gordon McEACHEN
(PRINT NAME)

(61)

Gordon McEachen
(SIGNATURE)

PAGE 10 OF 16
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 26/1984 Thursday

Weather: See Area 10

Rivers Inlet Echo Sounding Program

<u>July 25/26</u>	<u>Miss Robyn</u>	<u>RD 102</u>	<u>Total</u>
	373,492	0	373,492

The sockeye are again tonight grouped very tight around the #4 grid. The fish are deep and very hard to count. This is not a very accurate count. The sockeye appear like they are getting ready to go up the Wannock on these high tides at the end of the week.

Indian Food Fish Catch

As of 1600 hrs to-day the people in the Village report that they have not seen the sockeye in the Wannock River yet. It is interesting to note that one boy caught a Pink off the float (by Rod) just as we arrived.

To day we held a meeting with the chief and two councilors for the Owekeno Village. For the last two years the band has refused to accept a Band Indian Food Fish Licence. To day the band agreed to accept a licence but they would not sign it. This was then done. The Chief (Frank Johnston) also agreed to submit daily catch of all Indian Food Fish

The people who attended the meeting

- W.H. McKenzie District Supervisor
- Gordon McEACHEN F/o
- Frank Johnston Chief
- Rick Shaw Councilor
- Dave Shaw Councilor
- Percy Walkus Band Member

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

(62) Walter M. Tach
(SIGNATURE)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 26/84 cont

General

Early this morning I over heard a B.C. Tel call from a U.F.A.W.U. member who was going to put pressure on the department to open Rivers Inlet for sockeye. This was the same person who caused all the problems in the Weekly Industry Meeting in Dawson Landing. This was passed on to W.H. McKenzie (District Supervisor).

Later in the afternoon Mr E. Kremer and Paul Sprout called Dawson Landing to find out more details about the weekly meeting in Dawson Landing. The U.F.A.W.U. expressed the opinion that Area 9 should be open mid week for sockeye fishing, they also suggested that the weekly meetings in Dawson Landing were poorly run. I explained to Mr E Kremer that one individual was a problem and not the meeting. This one man made a total mess of the whole meeting by continually disagreeing. Mr Kremer was given the information for closing Area 9 for sockeye fishing.

July 27/84 Friday

Weather: See Area 10

Rivers Inlet Echo Sounding

The Rivers Inlet Echo Sounding program was discontinued today. It was no longer of any value, with most of the Sockeye schooled up in the entrance to the Wannick River ready to go up the river.

IFF Catch

One Commercial Gillnetter made 2 short sets with 50 fath. of net in front of R.Z.N. for the following catch

97-0-3-0-0

The fish were taken to the Oweetheno Village.

HRM - JUN 84

Gordon M^EACHEN
(PRINT NAME)

63

Gordon M^EACHEN
(SIGNATURE)

PAGE 12 OF 16
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 28/84 Saturday

Weather See Area 10

General

The sockeye jumpers in Rivers Inlet, Darby Channel seemed to have dropped off in the last few days with more and more pink jumpers showing especially around Johnston Bay and Draney Inlet.

As of July 27/84 the sockeye were still holding off the Wannock River waiting to go up.

HRM - JUN 84

Gordon McEHEEN
(PRINT NAME)

GA

Gordon McEheeen
(SIGNATURE)

PAGE 13 OF 16
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Area 9

Sports Fish catch between July 18/84 to July 26/84

15 - chinook over 20 lbs - largest 51 lbs
58 - " under 20 lbs.
513 - coho
92 - pinks
3 - chums

Boat days for this week - 445

Total to date catch between June 1 to July 26/84

174 - chinook over 20 lbs - largest 67.5 lbs
297 - " under 20 lbs
1248 - coho
528 - pinks
7 - chums
2 - sockeye

Boat days T.T.D. 1,500

The vast majority of fish caught this week were caught at the mouth of Rivers Inlet, mostly consisting of coho. The large chinook returning to the Wannock River have not yet arrived. Good catches of Pink salmon have been taken near Johnston Creek.

Good Hope Cannery today began preparations this week for an anticipated opening in August. They have booked 100 guests this year.

Private boats are still very scarce, even though the weather has been very nice.

The inlet was open for gillnet fishing for 24 hours, this appears to have effected the sports fish catch on Tuesday and Wednesday by producing poor catches.

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

65

Gordon McEachen
(SIGNATURE)

PAGE 14 of 16
(FOR THIS WEEKLY PERIOD)

KEY INDICATOR STREAMS

AREA - 9

TOTAL AREA TARGET ESC. 180,700

1950s, 60s, 70s - LONG TERM AV. ESC. 36,076/27,978/27,662

DATE July 22-28/84

CHUM

1950s,
60s, 70s

STREAM	AV. ESC.	ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
* DRANEY - LOCKHART-GORDON	1915 6080 5180	LATE AUG.		10,000 10,000	No fish in Creek or Bay	July 26/84
McNAIR	2143 2840 920	3 rd WK. AUG.	2 nd WK. SEPT.	4500		
WANNOCK	19,781 11,313 11,280	SEPT.	LT. OCT ~ EARLY NOV.	40,000		
CLYAK-NEIL-YOUNG	9950 8140 8540	LATE JULY- EARLY AUG.	LATE AUK- EARLY SEPT.	40,000	No chums observed in most Inlet or in River, However 500-1000 pinks were observed in River	July 27/84
* NOTE: 1951 TO 1977 INCLUSIVE ESC. GROUPED WITH LOCKHART-GORDON. DRANEY SEPARATED FROM 1978.						
ADDITIONAL	14 STREAMS ~ 76,200.			104,500	KEY STR.	% OF TOT. 180,700

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...

ESC. 1980-23,675 1981-12,650 1982-102,180 1983-34,966

Draney Creek - water levels normal to 4"-5" higher than normal

Clyak River - water levels above normal, very glacial making visibility very poor only looked in the Clyak River

Beaver Creek - Inspected July 28/84 no salmon observed in creek, walked up to lake

Gordon McEACHEN

FISHERY OFFICER

66

P. 15 of 16

KEY INDICATOR STREAMS

AREA - 9

PINK

1950's
60's
↓
70's

TOTAL AREA TARGET ESC. 347,450

1950's, 60's, 70's LONG TERM AV. ESC. 34,750/83,145/245,445

EVEN

ODD 39,255/11,545/45,614

DATE July 22-28/84

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700 14,515 35,200	9980 925 30,700	AUG. 1-10		90,000	Fair showing of jumpers all week (est 5-10,000) in Bay Up the Creek no pinks observed in Creek.	All week July 25/84
CLYAK-NEIL-YOUNG	5058 32,700 69,600	200 144 1175	JULY 30	LATE AUG.	50,000	Observed 500-1000 pinks in the main stem. No jumpers observed in the bay	July 27/84
KILBELLA	2563 7650 62,100	14,250 3644 3450	1 st WK. AUG.	LATE AUG.	100,000		
CHUCKWALLA	3500 13,180 57,000	14,000 9381 8000		EARLY SEPT.	100,000		
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS ~ ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
ADDITIONAL 16 STREAMS -	7450				340,000	KEY STR. 98 % OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA ...

ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

Johnson Creek - There appears to be a good showing of pinks for this time of year.

Gordon McEACHEN
FISHERY OFFICER

67

P. 16 of 16

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK JULY 29 - AUGUST 4

Sockeye: end of the last week moved up. Fishery to clean up or closure to save stragglers. Can begin to consider fishing Pinks although fishery will continue to target on Sockeye. At the end of this week there should be more Pink jumpers at HOLE-IN-THE-WALL (nothing in JOHNSON CREEK yet). Nothing should be showing KILBELLA/CHUCKWALLA.

Chums - CLYAK-NEIL-YOUNG every 4 years (1986 next) - strong cycle. Should start to show this time in the fishery, especially between GOOD HOPE and MOSES INLET. Might see a few Chums at the mouth of the CLYAK latter part of this week, and MOSES INLET.

HRM - JUN 84

Walter McEACHEN
(PRINT NAME)

68

[Signature]
(SIGNATURE)

DAILY SALMON CATCH

AREA 9

FOR WEEK July 29 - Aug 4 1984

DATE	GEAR		SOC.	COHO	PINK	CHUM	CHIN.	JACK	ST. HD.
	OP.	DEL.							
<u>Gillnets</u>									
<u>July 29/84</u>	<u>4668</u>	<u>0</u>							
	<u>OSN</u>	<u>0</u>							
<u>July 30/84</u>	<u>146 to 99</u>	<u>157</u>	<u>6491</u>	<u>544</u>	<u>10399</u>	<u>1071</u>	<u>273</u>	<u>105</u>	<u>15</u>
	<u>OSN</u>	<u>0</u>							
<u>July 31/84</u>	<u>996N</u>	<u>225</u>	<u>8251</u>	<u>884</u>	<u>12,635</u>	<u>2441</u>	<u>68</u>	<u>13</u>	<u>12</u>
	<u>OSN</u>	<u>0</u>							
<u>T.F.W.</u>			<u>14,742</u>	<u>1428</u>	<u>23,034</u>	<u>3512</u>	<u>341</u>	<u>118</u>	<u>27</u>
<u>T.T.O.</u>			<u>45,744</u>	<u>2,169</u>	<u>34,374</u>	<u>4287</u>	<u>576</u>	<u>173</u>	<u>37</u>
<i>Please note: The above figures are based on the following delivery slips and hauls reported at the end of the fishery</i>									
<u>July 30</u>	<u>142</u>	<u>5876</u>	<u>491</u>	<u>9409</u>	<u>966</u>	<u>243</u>	<u>90</u>	<u>14</u>	
<u>July 31</u>	<u>205</u>	<u>7531</u>	<u>806</u>	<u>11,515</u>	<u>2241</u>	<u>62</u>	<u>11</u>	<u>11</u>	
<u>Average Weight</u>				<u>Pink</u>	<u>3.8 lbs</u>				
				<u>Sokeeye</u>	<u>5.3 lbs</u>				
				<u>Chum</u>	<u>12.7 lbs</u>				

HRM- JUN 84.

RECORD OF
MANAGEMENT STRATEGIES

Pink July 29 - Aug 4 1984 9
(SPECIES) (FOR WEEKLY PERIOD SUN.-SAT) (AREA)

	CURRENT WEEK	COMPARATIVE Aug 2-9 1981	YEAR(S) Aug 1-7 1976
SEINES (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)	146 to 99	149	178
NO. OF DAYS FISHING	1	5 (10 of 5)	3 (10 of 3)
PREVIOUS TOTAL TO DATE	11,340		
PROJECTED CATCH TO 6PM	18,000 AV (150)	110,000 (155 AV) (23169)	114,866 (202 AV) (35976)
PROJ. TOTAL TO DATE	29,340	127,719	285,672
PROJECTED TTD (SN and GN)	29,340		

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Open to Gillnets and Troll in subareas: 9-2, 9-3, 9-4 & 9-11. Regular creek mouth boundaries in effect for Johnston Creek, Beaver Creek & Sandell Bay. No net restrictions in place.

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN 0600 AM (PM) Sun July 29 /84
AREA CLOSED 0600 AM (PM) Tues July 31 /84
HR. CIRCLE DATE

The above areas were open for 24 hours for gillnet and troll, however the pink catches were looking good for this week so the above sub-areas were extended for 24 hours.

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEAR TYPE.

AREA OPEN 0600 AM (PM) Aug 5/84 Sun. 24 hours
TIME DATE LENGTH OF OPENING

Open to Gillnets and troll in sub areas: 9-2, 9-3, 9-4, & 9-11. Regular creek mouth boundaries in effect for Johnston Creek, Beaver Creek, Sandell Bay. A mesh restriction of not greater than 140 mm will be in place for Gillnets. This is to protect Clynch River chums and to target on pinks.

RECORD OF
MANAGEMENT STRATEGIES

Socteye
(SPECIES)

July 29 - Aug 4 1984
(FOR WEEKLY PERIOD SUN.-SAT)

9
(AREA)

	CURRENT WEEK	COMPARATIVE Aug 2-9 1981	YEAR(S) July 29-Aug 4, 1973
SEINES (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)	146 to	149	253
NO. OF DAYS FISHING	1	5 (1 of 5)	4 (1 of 4)
PREVIOUS TOTAL TO DATE	31002	28821	1,099,209
PROJECTED CATCH TO 6PM	9,500 AV (65)	55000 (179 AV) (26759)	50501 (12496) (49 AV)
PROJ. TOTAL TO DATE	39,5002	83821	1149710
PROJECTED TTD (SN AND GN)	395002	83821	

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN _____ AM PM _____

AREA CLOS _____ AM PM _____
 HR. CIRCLE DATE

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRIC, GEARTYPE.

AREA OPEN _____ AM PM _____
 TIME DATE LENGTH OF OPENING

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGES CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK."

July 29/84 Sunday

Weather: Clear hot and sunny all day; with a westerly wind in the afternoon.

General: The "Walker Rock" left Rivers Inlet to-day for Nanaimo.

The people from Oweekeno Village report that the sockeye started up the Wannock River last night on the high tide. This was confirmed by Steve Bachen today. Steve reports seeing sockeye jumping throughout the Wannock River. No sockeye jumpers were observed between Hatchery Creek and the Genesee River.

The Fishery

The fishery opened with the following gear

Count:

	<u>GN</u>	<u>Troll</u>
9-11	22	0
9-2	30	4
9-3	32	2
<u>9-4</u>	<u>62</u>	<u>1</u>
Total	146	7

The following evening hauls were recieved:

9-11 "Tatush"

Checked 14 GN

Total: 93-1-191-2-0-2
Average: 7-0-14-0-0

9-2 "Falcon Rock"

Checked 11 GN

Total 134-13-141-23-1
Average 12-1-12-2-0

High hauls Sock.-52 Pink-100
Low " " -2 " -1

Best Pink fishing was near Draney Narrows with a small mesh net (ie 4 1/2')

cont.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

The Fishery cont.

9-3 'Percy Shadforth'

Checked 7 GN Average: 30 - 0 - 9 - 4 - 0
 Sockeye: High 55 Low 11

9-4 "Pursepa"

Checked 6 GN Total: 122 - 0 - 103 - 1 - 0
 Average: 20 - 0 - 17 - 0 - 0

Average for Area 9: 17 - 1 - 13 - 2 - 0

The fishery started slow in the Inlet. There was a lot of gear movement in the inlet from inside to outside and some boats were moving from the outside to the inside searching for fish.

July 30 / 84 Monday

In the morning (0500hrs) there was a noticeable loss of gear in Area 9. Several vessels tried the dark sets and then left for Area 11 & 12 when the fishing was slow. Areas 11, 12 and 13 was slated to be open until 0600hr. Tuesday for Gillnets. This extract fishing time seem to attract these vessels. Also many fishermen get attracted to fishing Johnstone Strait and the Frozen River after being gone from home for most of the summer. This shift in gear seems to happen every year.

The following morning averages were collected up to 0800hr.

9-2

Operating: 26 GN
 1 Troll

Checked 14 GN Average 38 - 4.5 - 44 - 4.3 - 0
 Sockeye: High 95 Low 10
 Pink: " 230 " 10

HRM - JUN 84

Gordon M^cEACHEN
 (PRINT NAME)

(73) Gordon M^cEachen
 (SIGNATURE)

PAGE 6 OF 15
 (FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

9-2

Operating: 38 GN
3 Troll
Checked: 21 GN Av. 34 - 1 - 86 - 1 - 0
Sokeeye: High 80 Low 24
Pink: " 110 " 25

The Best Fishing was between Johnston Creek and Good Hope with small mesh nets.

9-4

Operating: 32 GN
Checked: 11 GN Av. 56 - 2 - 95 - 4 - 0
Sokeeye: high 80 Low 22
Pink: " 217 " 50

9-11

Operating: 20 GN
Checked: 7 GN Av 29 - 0 - 128 - 0

Total Gear Count: 116 GN
4 Troll

Overall Inlet Average: 40 - 2 - 88 - 2 - 0

Meeting in Bella Bella re: Central Coast Fishing (1000 hrs)

Area 9

In area 9 this week the sockeye catches were down as expected. Most fishermen were targetting on Sockeye with $5\frac{1}{8}$ " and $5\frac{1}{4}$ " mesh nets. The fishermen using smaller mesh nets ($4\frac{1}{2}$ "") were doing quite well with catches near 200. (Pinks)

HRM-JUN 84

Gordon McEACHEN
(PRINT NAME)

(74) Gordon M. Eachen
(SIGNATURE)

PAGE 7 OF 15
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Area 9 conte

by 0800hrs in the morning. Due to good catches of pinks by the fishermen using small mesh nets in Durby Channel, Wadams Areas and Sandell Bay area it was recommended that we extend fishing for another 24 hours. We also expected more gear to leave for the Johnstone Straits. The few sockeye that were being picked up was not expected to change the total escapement by very much.

It is interesting to note that most fishermen were targeting on sockeye because the price of pinks was very poor.

2000hrs

The Gear Counts continued to fall all morning with gear moving down to the Johnstone Straits.

Total Gear	9-2	41	GN
	9-3	22	GN
	9-4	18	GN
	9-11	18	GN
		<u>99</u>	GN

In the afternoon on the flood tide the Gillnets fishing in the entrance to Durby Ch. and near Dimsey Pt. started picking up good catches of chums. Some vessels had 50-75 chums on the tide. The chums were all in good shape with a 12.7lb average size. One vessel in Durby Ch. had 509 pinks and 80 Sockeye by 2000hrs today using a small mesh net. Other vessels near Wadams were also doing well on pinks. However many vessels targeting on sockeye were not doing all that well.

HRM-JUN 84

Gordon McEACHEN
(PRINT NAME)

75

Ardo M. Eadie
(SIGNATURE)

PAGE 8 OF 15
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

July 31 1984 Tuesday

At 0800 hrs we received the following hauls. The gear count remained at 99 GNs. The hauls are fish caught since yesterday afternoon.

9-2 42 GN
Checked 16 GN Av. 20 - 3 - 13 - 6 - 0

9-3 22 GN
checked 16 GN Av. 12 - 2 - 46 - 1 - 0

a fairly good showing of pinks still remain near Johnston Creek. High pink catch 250-300

9-4 22 GN
checked 7 GN Av. 59 - 5 - 122 - 7 - 0

9-11 No Information

At 0930 hrs it was recommended to close Area 9 as scheduled. because we still have two weeks to catch pinks in area 9 and all other catches were poor.

Again this afternoon on the flood tide good catches of chums & some large (10lb) sockeye were caught near Dimsey Pt and the entrance to Darby Ch.

The fishery closed down as scheduled at 1800 P.D.S.T. One Gillnet vessel had caught 800 pinks for the opening in Darby Ch. He was using a "4 1/2" net.

General

This was a very difficult fishery to keep track of because many vessels were leaving the area, changing net sizes, changing fishing location, transporting fish to port Herby and brought fish from the Bella Coola opening. Some vessels targeted on Sockeye, Some Pink, Some Chum

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

76

Gordon McEachen
(SIGNATURE)

PAGE 9 OF 15
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Sports Fish

The following is the sports catch between July 26- July 31/84

34 - chinook over 20lbs

78 - " under "

720 - coho

150 - pinks

8 - chum

2 - sockeye

Boat days for this period - 840

T.T.D. since June 1/84

208 - Chinook over 20lbs

375 - " under "

1468 - coho

678 - pinks

15 - chum

4 - sockeye.

T.T.D. Boat days 1285

Of the large springs taken this week 10 were over 40 lbs. These large springs started showing up in the permit area on July 25 signifying the beginning of the Wannock River run. The largest chinook this week was 65 lbs.

Private boats started arriving in greater numbers on July 31. The commercial fishing opening which was from July 24-31 for 48 hours seemed to have very little effect on the coho fishing at the mouth of the Inlet.

HRM-JUN 84

Gordon McEACHEN
(PRINT NAME)

77

Gordon M. Eachen
(SIGNATURE)

PAGE 10 OF 15
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 1 / 1984 Wednesday

Weather: Warm, Sunny and clear all day

Weekly meeting with Industry in Dawson's Landing

Industry Representatives:

Don Taylor
Harry Allen
Dunc Cameron
Henry Brown

D.F.O.

Gordon McEACHEN
Brian Lunn
Bruce Evan
Steve Backen.

Area 10

(For Full details see Area 10)

It was explained to industry that the Noce River fence count was less than optimum. For this year and the pink brood year was poor. However the Nekite River had an escapement of 50,000 chums & the Walkum River had 3000 chums, which is good.

To harvest chums in Smith Inlet, I suggested sub areas 10-4, 10-5, 10-6, 10-7, 10-8 with a min mesh of 149mm. This would protect sockeye & pinks. The inside boundary (10-8) was for quality reasons as chums will mill between Cape Ann and Burnt Is. Harbour when they first come into the inlet. I suggested only going out as far as Mitbrook Cove (10-4) because of the lack of patrol staff and to stop incidental catch of other species. The advisories suggested fishing 10-3 to see what comes into the area also to let the regular outside fishermen fish there this week. I agreed to this because we should have a look at the fish coming into the Inlet and also because we should not press our lack of patrol staff on to their fishing pattern and lively hood. We agreed on this with the trade off that we would only fish 10-4, 10-5, 10-7 next week. This would get away from the milling fish past Cape Ann and allow us to patrol the area better next week. This was industries recommendation.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Area 9

It was explained to industry that our escapement and catches looked good for this date and that the major Rivers were being looked at again today and the next few days.

It was also pointed out that the Ciyuk River chum escapement for 1980 was only 3000, this is poor. However the Draney Inlet chums had a good escapement in the brood year. There was a lot of discussion about how to proceed fishing next week. The final consensus was that we should try and harvest pinks in the same areas as last week but should try and build up the Mosses in chum escapement, a max. mesh size was suggested of 140 mm. It was felt by all that Draney Inlet chums do not show up into the fishery until the week of Aug 12/84. The following sub areas were recommended 9-2, 9-3, 9-4 & 9-11.

It was interesting to note that one individual suggested some of the chums and large (10 lb) sockeye we caught last week may of not been Rivers Inlet fish and they may of been pushed in by the big flood tides we had on Monday & Tuesday.

General

Guardian Dave Flegel reports seeing 2 chum jumpers and 4 pink jumpers in the entrance to Hardy Inlet on July 30/84

Aug 2/84

Weather: It was clear and sunny today, all day.

Water Levels: Remain low in non glacial streams, however the warm weather is causing moderate water levels in glacial streams

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

79

Gordon McEachen
(SIGNATURE)

PAGE 12 OF 15
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 3/84 Friday

Weather: Sunny in the morning changing to light rain in the afternoon

General: "Pursepa" reports a few pink jumpers between Kibella Bay and Browns Bay.

Aug 4/84 Saturday

Weather: Cloudy all day with periods of heavy and light rain all day long

General: "Pursepa" reports seeing 15 pink jumpers near Ralph Pt today. No jumpers observed near Wannock Cove & Sandell Bay. There is still a good showing of pinks in Johnston Bay and general area. Estimate 10-15000 pink in Johnston Bay behind the boundary sign. The little rain today may have put more pinks up into the creek. Should check this creek next week after fishery.

Note: On Aug 3/84 an other Central Coast meeting was held in Bella Bella to discuss next weeks fishing plans for the central coast. The recommendations were the same as discussed in the industry advisory meeting on Aug 1/84.

KEY INDICATOR STREAMS
AREA - 9

TOTAL AREA TARGET ESC. 347,450

1950's, 60's, 70's LONG TERM AV. ESC. 34,750/83,445/245,445

DATE July 29 - Aug 4

PINK

1950's
60's
70's

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700	9980	AUG. 1-10		90,000	1450 pinks in Creek 5-10000+ holding in Bay 10-15000 in Bay	Aug 1/84 Aug 4/84
	14,515	925					
	35,200	30,700					
CLYAK-NEIL- YOUNG	5058	200	JULY 30	LATE AUG.	50,000	Clyak - 10, -15000 Young - 17,500 Neil - 500	Aug 1-2/84
	32,700	144					
	69,600	1175					
KILBELLA	2563	14,250	1 st WK. AUG.	LATE AUG.	100,000	(see comments Below)	Aug 2/84
	7650	5644					
	62,100	3450					
CHUCKWALLA	3500	14,000		EARLY SEPT.	100,000	3-4000 pinks in River	Aug 3/84
	13,180	9381					
	57,000	8000					
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS ~ ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
ADDITIONAL	16 STREAMS - 7450				340,000	KEY STR. 98 % OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
 ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

Johnson Creek: Water level low & clear. Canoeed up about 1 mile, the pinks just moved in on the last two big tides. The fish are very fresh. No spawning in progress

Clyak - Neil - Young: Water level low & clear in Neil & Young, all fish still holding, Clyak water level moderately high and glacial, very difficult to count pinks only estimated 10-15,000

Kilbella River: Flew over with Beaver a few jumpers observed in lower end

Chuckwalla: Jet boated up 6-7 miles difficult to see fish, but not many showing.

Gordon McEACHEN
FISHERY OFFICER

81

KEY INDICATOR STREAMS

AREA - 9

TOTAL AREA TARGET ESC. 180,700

1950s, 60s, 70s - LONG TERM AV. ESC. 26,076/27,978/27,662

DATE July 29 - Aug 4

CHUM

1950s
60s
70s

STREAM	AV. ESC.	ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISHIN BAY - FISH UPSTREAM...
* DRANEY - LOCKHART-GORDON	1915 6080 5180	LATE AUG.		10,000 10,000		
McNAIR	2143 2840 920	3 rd WK. AUG.	2 nd WK. SEPT.	4500	No chums in Creek or holding in mouth	Aug 2/84
WANNOCK	19,781 11,313 11,280	SEPT.	LT. OCT ~ EARLY NOV.	40,000		
CLYAK-NEIL- YOUNG	9950 8140 8540	LATE JULY- EARLY AUG.	LATE AUG- EARLY SEPT.	40,000	12 chums observed in Young Cr. - N/A in Clyak River. No jumper holding in mouth	Aug 1/84
* NOTE: 1951 TO 1977 INCLUSIVE ESC. GROUPED WITH LOCKHART-GORDON. DRANEY SEPARATED FROM 1978.						
Chuckwalla					No chums observed in River or Mouth	Aug 3/84
ADDITIONAL 14 STREAMS ~	76,200.			104,500	KEY STR.	% OF TOT. 180,700

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1993.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
ESC. 1980 - 23,675 1981 - 12,650 1982 - 102,180 1983 - 34,966

McNair: Water level low & clear.

Clyak-Neil - Young: Water level low & clear in Neil and Young Creeks, however water in Clyak above normal and very glacial making visibility very poor.

Chuckwalla: Water level moderately high, visibility poor due to glacial colour of water.

Gordon McEACHEN
FISHERY OFFICER

82

P 15 of 15

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

AUGUST 5 - 11

Sockeye: last week for the season - Transition week. Pinks - sport and commercial catch information. Presence at CHUCKWALLA/KILBELLA and JOHNSON CR. - holding or in the river. Chums - CLYAK - peak week on cycle year. Should be fair numbers moving into river and a good show outside.

DRANEY streams (3), McNAIR, CHUCKWALLA fish starting in the net fishery. A few off mouth of McNAIR.

Industry did not believe Draney Inlet chums were in the fishery this week, however by catches near Draney Narrows I would say, Draney Inlet chums are in the fishery.

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

83

Gordon McEachen
(SIGNATURE)

PAGE 1 OF 13
(FOR THIS WEEKLY PERIOD)

RECORD OF
MANAGEMENT STRATEGIES

Pink Aug 5-11 1984 9
(SPECIES) (FOR WEEKLY PERIOD SUN.-SAT.) (AREA)

	CURRENT WEEK	COMPARATIVE YEAR(S)	
		Aug 9-15 1981	Aug 7-13 1976
SEINES (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)	44	29	125
NO. OF DAYS FISHING	1	3 (10f3)	3 (10f3)
PREVIOUS TOTAL TO DATE	34,374	127719	336938
PROJECTED CATCH TO 6PM	13,000 AV (288)	17795 (AV 277) (8052)	(AV 143) (17875)
PROJ. TOTAL TO DATE	47374	145514	336,938
PROJECTED TTD (SN AND GN)	47,374	145514	336938

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Open to Gillnets and Troll in sub areas: 9-2, 9-3, 9-4 & 9-11
Regular creek mouth boundaries in effect for Johnston Creek, Beaver Creek & Sandell Bay. A maximum mesh restriction of 140 mm in place for gillnets.

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN 6:00 AM (PM) Aug 5/84 Sunday
AREA CLOSE AM PM DATE

Open for 24 hours on Aug 5 as described above. Then extended for 24 hours in the above areas because pink fishing was quite good. On Aug 7 at 1800 hrs 9-2 & 9-11 were closed to protect pinks, chums & sockeye headed for other streams however 9-2 was & 9-3 were extend 24 hours to 1800 hrs Aug 8/84 to harvest Johnston Creek pinks.

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRIC, GEARTYPE.

AREA OPEN 0600 AM (PM) Aug 12/84 Sunday 24 hours
TIME DATE LENGTH OF OPENING

Open to Gillnet and Troll in Sub areas 9-2, 9-3 with no mesh restriction in place. The Johnston Creek boundary will be in effect. This is done to protect pinks returning to the Kluhella/Chuckwalla River, and Clynk River. Also to protect chums returning to the Clynk River. This allows harvest of Johnston Creek pinks and Graney Lilet chums.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 5/84 Sunday

Weather: Moderate Rain all day with low clouds, a very little wind all day

1800 hrs The fishery opened as usual at 1800 hrs with the following gear count.

9-2	<u>GN</u> 14	<u>Tr</u> 1
9-3	9	2
9-4	21	
9-11	0	
Total	<u>44</u>	<u>3</u>

The following hauls were received 2100 hrs Aug 5/84

9-2 5 GN checked Av. 3-2-6.5-2-0

9-3 5 GN checked Av. 9-1-51-4-0

High pinn catch: 130

9-4 10 GN checked Av. 7-1-31-2-0

pinn	<u>High</u> 150	<u>Low</u> 3
Seahorse	16	1

9-11 0 checked no vessels operating.

The best fishing was with a small mesh net near the Johnston Creek - Good Hope shoreline.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGES CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK."

Aug 6/84 Monday

Catch and haul counts as of 0800 hrs Aug 6/84

9-2 13 GN OP 1 Troller

Checked 13 GN Av. 23 - 6 - 142 - 7 - 1

Pinks:	<u>High</u> 627	<u>Low</u> 25
Sockeye:	50	5

Outside vessels doing poorer, than GN's by Wadams

9-3 15 GN OP 3 Troller

Checked 10 GN Av. 26 - 11 - 227 - 11 - 1

Pinks:	<u>High</u> 650	<u>Low</u> 60
Sockeye:	45	8

Best catches of pinks with small mesh nets near Johnston Creek, between Good Hope & Wadams.

9-4 17 GN OP

Checked 13 GN Av. 25 - 8 - 160 - 10 - 0

Pinks:	<u>High</u> 500	<u>Low</u> 75
Sockeye:	40	15

Best catches of 400-500 pinks were near the Stone Pt - Wannock Cove boundary

- Pinks silver/bright.

- Chum 10 lbs, some showing per marks

9-11 All vessels operating

Total 45 GN OP. 4 Trollers Operating
(Overall average) 25 - 8 - 176 - 9 - 0

HRM-JUN 83

Gordon McEACHEN
(PRINT NAME)

87

[Signature]
(SIGNATURE)

PAGE 5 OF 13

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 6/84 cont.

The vessels fishing for pinks with small mesh nets had good catches this Am near Johnston Creek up to Stone Pt. The projected catch for pinks was 13000 with a 221 average. The sockeye projected catch was 1800 with a 4 coverage. The pink catch was comparable to 1971 & 1976 were we had good escapements and catch. Also Johnston Bay & the Clynan River are looking good so far for escapement. Thus a 24 hour extension was called for the same areas.

Average weights:

Chums : 11.3 lbs

Pinks : 3.25 lbs.

Troll

Troll delivery for last night's fishing

C-C-97-0-0

2100 hrs Hails received for the afternoon fishing (since delivery)

9-2 13 GN CP.

Checked 2 GN Av ~~39~~ - 2.5 - 73 - 18 - 0

These may be Draney Inlet chums caught near Draney Narrows

9-3 12 GN CP. 1 Troll

Checked 5 GN Av. 17-5-120-10-0

" 1 Troll 200 pinks for day

9-4 17 GN CP.

Checked 7 GN Av. 15-3-27-5-0

9-11 6 GN CP.

Checked 2 GN Av 4-0-11-14-0

Fishing dropped off except for near Johnston Creek area.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 7 /84 Tuesday

GN hauls as of 0800hrs Aug 7/84

9-2 17 GN CP

Checked 3 GN Av. 13 - 6 - 47 - 5 - 0 - 1

9-3 10 GN CP
1 Troller CP.

Checked 5 GN Total 30 - 38 - 1330 - 56 - 0
Av. 6 - 8 - 266 - 11 - 0

Pink: High Low
500 50

Best catch near Johnston Creek boundary.

9-4 13 GN CP

Checked 7 GN Av. 26 - 2 - 42 - 12 - 0

Pink: High Low
100 25

9-11 4 GN CP

Checked 4 GN Av. 7 - 2 - 90 - 10 - 0

Last night's gear count. 48 GN operating

This am's gear count was 44 GN operating, however a few vessels may be tied up in some bay or dock because of high winds 20-25 SE. Last night.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 7/84 cont.

Weather: Last night and today the weather has been very poor with S.E. winds between 20-30 knots with heavy rain off and on all day.

General

This morning's hail indicated that fishing has dropped off in most areas except near Johnston Creek. The Johnston Bay has an estimated 20-30,000 pinks holding behind the boundary. To try and harvest Johnston Creek pinks but save pinks, sockeye & chums headed for the Clayk, Kilbella/Chuckwalla and Wannoch Rivers.

The following recommendation was made
Sub areas 4-4 & 4-11 closed to catch July 7 as scheduled
" " 4-2 & 4-3 open for 24 hours (tentation) to protect harvest Johnston Creek pinks.

The weather continued to be poor all day very little checking was done the rest of the day due to poor weather conditions. However the "Sage Rock" was able to check 5 GN for an IV: 23-8-37-6-0 in the evening in 4-2.

Aug 8/84 Wednesday

The Weather: Weather very poor again today with winds from 20-30 knots with moderate to heavy rain.

Water levels: Water levels high in all creeks today due to heavy rainfall over the last three days.

Morning haul figures as of 0800 hrs

Cont.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Subarea 9-2

18 GN Operating

Checked 8 GN Av 10 - 7 - 47 - 9 - 0

	High	Low
pink	150	4
sockeye	25	0
chum	15	7

Subarea 9-3

20 GN Operating

Checked 8 GN Av 12 - 13 - 213 - 20 - 1

pink high - 900

Total gear: 38 GN

It was recommended that we close area 9 tonight as scheduled to assess our creeks. Normal peak week for pinks is not to next week, so we still have time to harvest more pinks, if this is a normal year.

Aug 9 / 1984 Thursday

Weather: Sunny warm and clear all day

Weekly Meeting with Industry

There was no weekly meeting this week with industry because no industry people showed up. This was probably due to everybody resting after a 3 day fishing and because it was quite clear that we would open next week to assess chums in Smith Inlet and catch pinks and chums in Area 9.

Water Levels: Water levels still up but should be residing with the good weather.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 10 /84 Friday

Weather: warm clear and sunny all day

Water levels: Still continue to fall due to the good weather after the heavy rains at the beginning of the week.

Aug 11 /84 Saturday

Weather: warm clear and sunny all day

Water levels: The water levels have moderated after the last three days of good weather.

General

Bruce Evans "Pursepu" reports: seeing less pink jumpers the last few days than compared to the beginning of the week. He wonders if we have not passed peak week. This may very well be the case because the pinks showed up earlier than usual. We will only know after next weeks fishing and all the escapements are in at the end of the year.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Sports Fish Catch.

The following is the catch between July 30/84 to Aug 6/84

142 - chinook over 20lbs

65 - " under 20lbs

544 - coho

111 - pinks

3 - chum

1 - sockeye

2 - steelhead.

Total boat days for this period 1022

The sports fish catch total between June 1/84 to Aug 6/84 is as follows:

350 - chinook over 20lbs

441 - " under " "

2517 - coho

789 - pinks

18 - chum

5 - sockeye

2 - steelhead.

Of the 142 chinook taken over 20lbs, there were 32 fish which were over 50lbs, the 2 largest being 75 & 73½ lbs. All but 4 of the large fish were taken near the head of the inlet. The vast majority of the coho were taken at the mouth of the Inlet. (Smily Pt - Rouse Reef area).

A fleet of private sports fisherman have moved into the inlet. They are concentrating largely on the large chinook at the head of the inlet. The daily count is 35-60 boats.

The Gulfstream II moved into the area this week also. The Good Hope Lodge re opened this week after being in receivership for 2 years.

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

93

Gordon McEachen
(SIGNATURE)

PAGE 11 OF 13
(FOR THIS WEEKLY PERIOD)

KEY INDICATOR STREAMS

TOTAL AREA TARGET ESC. 347,450

AREA - 9

1950's, 60's, 70's LONG TERM AV. ESC. 34,750/83,145/245,445

PINK

1950's
60's
70's

DATE Aug 5-11/84

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700 14,515 35,200	9980 925 30,700	AUG. 1-10		90,000	8-10,000+ in River. Fair showing in bay	Aug 8/84
CLYAK-NEIL-YOUNG	5058 32,700 69,600	200 144 1175	JULY 30	LATE AUG.	50,000		
KILBELLA	2563 7650 62,100	14,250 3644 3450	1 st WK. AUG.	LATE AUG.	100,000	N/C.	Aug 10/84 by Helicopter.
CHUCKWALLA	3500 13,180 57,000	14,000 9381 8000		EARLY SEPT.	100,000	7000 in River	Aug 11/84
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS ~ ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
ADDITIONAL 16 STREAMS - 7450					340,000	KEY STR. 98% OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...

ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

Johnson Cr. - Aug 8/84 walked up half way however water conditions very high, all fish in creek were fresh and moving up stream.

Chuckwalla - Aug 11/84 Jet boated up to 8.5 mile, visibility was excellent most fish holding in pools and fresh.

Gordon McEACHEN
FISHERY OFFICER

94

P. 12 of 13

KEY INDICATOR STREAMS
AREA - 9

TOTAL AREA TARGET ESC. 180,700

1950's, 60's, 70's - LONG TERM AV. ESC. 36,096/27,978/27,662

DATE Aug 5-11/84

CHUM

1950's
↓
60's, 70's

STREAM	AV. ESC.	ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
* DRANEY - LOCKHART-GORDON	1915 6080 5180	LATE AUG.		10,000 10,000	70 chums 30 chums	Aug 11/84 Aug 11/84
McNAIR	2143 2840 920	3 rd WK. AUG.	2 nd WK. SEPT.	4500		
WANNOCK	19,781 11,313 11,280	SEPT.	LT. OCT ~ EARLY NOV.	40,000		
CLYAK - NEIL-YOUNG	9950 8140 8540	LATE JULY - EARLY AUG.	LATE AUG. - EARLY SEPT.	40,000	Very few present	Aug 11/84
* NOTE: 1951 TO 1977 INCLUSIVE ESC. GROUPED WITH LOCKHART-GORDON. DRANEY SEPARATED FROM 1978.						
ADDITION:	14 STREAMS ~ 76,200.			104,500	KEY STR.	% OF TOT. 180,700

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...

ESC. 1980 - 23,675 1981 - 12,650 1982 - 102,180 1983 - 34,966

Draney Inlet - Aug 11/84 10 chum jumpers seen between Draney Narrows & Allard Bay

Draney Cr/Lockhart Gordon - Aug 11/84 - All chums holding in pools, & fresh looking. No jumpers seen in the estuary. Water level moderate.

Clyak - Aug 11/84 Only checked lower end of river because we never had a jet boat. Only very few chum present. It looks poor this year.

Gordon McEACHEN
FISHERY OFFICER

95

P. 13 of 13

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORKAUGUST 12 - 18

Pinks: catch data comparisons; number of fish holding at JOHNSON CR. and CHUCKWALL/KILBELLA. JOHNSON Should have good schools in the bay and a few in the river now.

CHUCKWALLA/KILBELLA should have a presence of fishup (both are glacial) or if possible, depending on water conditions, a number estimate.

CLYAK Chums - last week of fishery on these stocks. Should be quite a few in the river now. DRANEY, McNAIR, CHUCKWALLA - more of these fish would be in the inlet at this time. Check creeks - presence - escapement.

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

96

[Signature]
(SIGNATURE)

PAGE 1 OF 14
(FOR THIS WEEKLY PERIOD)

DAILY SALMON CATCH

AREA

9

FOR WEEK Aug 12-18 1984

DATE	GEAR OP. DEL.	SOC.	COHO	PINK	CHUM	CHIN.	JACK	ST. HD.
<i>Gillnets</i>								
Aug 12	216N 0	0	0	0	0	0	0	0
"	OSN 0							
Aug 13	206N 23	70	407	2668	321	40	3	11
"	OSN 0							
Aug 14	216N 41	175	553	4311	340	39	15	5
"	OSN 0							
Aug 15	226N 27	172	332	3286	284	24	7	1
"	OSN 0							
Aug 16	216N 36	234	290	4193	454	25	25	2
"	OSN 0							
TFW		641	1582	14458	1399	128	50	19
TID.		51730	5567	76220	9427	857	301	69
<p>Note: The above are all deliveries received, we feel with the small fleet we got almost all the actual deliveries</p>								
Average weights:				Pinks	3.5 lbs			

RECORD OF
MANAGEMENT STRATEGIES

Pink
(SPECIES)

Aug 12-18 1984 9
(FOR WEEKLY PERIOD SUN.-SAT.) (AREA)

	CURRENT WEEK	COMPARATIVE 19__	YEAR(S) <u>Aug 15-17</u> 19 <u>76</u>
SEINES (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)	<u>20</u>		<u>122</u>
NO. OF DAYS FISHING	<u>1</u>		<u>1042</u>
PREVIOUS TOTAL TO DATE	<u>61,762</u>		<u>336,938</u>
PROJECTED CATCH TO 6PM	<u>2500</u> AV (<u>125</u>)		<u>(622, 154 Av)</u>
PROJ. TOTAL TO DATE	<u>64,262</u>		<u>352,420</u>
PROJECTED TTD (SN AND GN)	<u>64,262</u>		

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK:

Open for 24 hours for Gillnet and Troll in sub areas: 9-2-9-3
no mesh restriction in place for gillnets
Regular Creek mouth boundary in effect for Johnston Creek

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN 0600 AM PM Sunday Aug 12/84
AREA CLOSED 0600 AM PM Thursday Aug 16/84
HR. CIRCLE DATE

Fished 4 hours with above boundaries and mesh restriction. At 1800 Aug 14/84 The above areas were extended another additional 24 hours with a max mesh size of 140 mm. This was to protect Brown Tail chums but allow a harvest of Johnston Creek pinks. These above areas were extended a third time to protect chums but harvest Johnston Creek pinks.

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEARTYPE.

AREA OPEN 0600 AM PM Sat. Aug 18/84 24 hours
TIME DATE LENGTH OF OPENING

Open to Gillnet - Troll in sub areas: 9-2, 9-3, 9-4 9-5 + 9-11
Max mesh size for gillnets 140 mm.

Regular creek mouth boundaries in effect for Johnston Bay, Beaver Creek & Sandell Bay

(See Aug 17 for explanation of reasons why)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 12/84 Sunday

Weather: Light overcast with light rain in the morning changing to sunny periods in the late afternoon. Light westerly in afternoon.

Fishery (1940 hrs)

Gear Count: 9-2 - 11 GN
9-3 - 15 GN 1 Troll
 Total - 26 GN 1 Troll

General: With no mesh restriction this week we have some people fishing small mesh nets for pinks and some fishing large mesh nets for Draney Latet chums and coho bound for other streams. There should be some reasonable catches of coho since the sports fisherman were doing well near Wadams Pt.

Aug 13/84 Monday

Weather: High overcast with periods of light rain in the morning. In the afternoon periods of light rain.

Fishery (0735 hours)

The mornings hauls were as follows

9-2 - 10 GN Operating
 Checked 8 GN Av. 29 - 16 - 94 - 15 - 0

	High	Low
pink	363	3
chum	24	6
coho	40	2

The Quality is very good on the chums & pink

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 13 cont.

9-3 10 GN OP 1 Troll Op.

Check 8 GN Av. 4-21-165-14-2-1

High
pink - 500
chum - 25
coho - 30

2 Oel for the average wieght - pink 4 lb.
- coho 9.3 lb

Quality of pinks still remain good.

The good catches of pinks are with small mesh nets near Johnston Bay. The vessels using ~~some~~ large mesh nets are doing poorly on chums.

11:30 hrs Recommended an extention in Area 9 same area with no mesh restriction. The pink catches with small mesh nets were good near Johnston Bay with net much gear. The boats targeting on chums were doing poorly but would have little effect on Grand Inlet stocks because we are at the beginning of the run timing and the Chyak River chums should be mostly by the fishing area. The fish that are being caught (chums) are in very good shape.

This was confirmed by the terminal office at 1310 hours.

1530 hrs

Gear Count:	9-2	4 GN OP.	
	<u>4-3</u>	<u>8 GN OP</u>	<u>1 Troll</u>
Total:		17 GN OP	1 Troll

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Apr 14 / 84 cont.

Out of the above Av. 5 of these vessels were fishing small mesh nets for a 260 Av on pinks.

High: 1200 pinks for 24 hours.

General: In Johnston Bay the following estimates were made in the am. on Pinks!

- 10,000⁺ In Johnston Bay from narrows in to the bay
- 5-10,000 Outside of the bay (Zosie Boundary)
- 10-20,000 In Johnston ~~Bay~~ Creek
(It turned out that it was only 1000 in the river)

48

2000 hrs.:

- 9-2 2 GN checked very slow fishing
- 9-3 2 GN checked near Windans Pt.
40-100 pinks preset. still fair to good fishing on pinks.

Gillnets Operating: 20 GN Total

Fishing continued to be good for the fellows using small mesh nets. The people using the larger nets had poor fishing on chums and coho. To protect the coho & chums (given to Praney Entet) and the pinks going into Chyah, Chukwila & Nibella, 4-11 & 4-4 were closed, a Max mesh size of 143 mm was put on to protect chums & coho. This was effective 1800 hrs today.

HRM-JUN 84

Gordon McEACHEN
(PRINT NAME)

102

Angela M. Eichen
(SIGNATURE)

PAGE 7 OF 14
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 15, 1984 Wednesday

0900 hrs:

Gear Count:	9-2	10 GN	1 Troll
	9-3	12 GN	
	<u>Total</u>	22 GN	

9-2: Checked 6 GN Av. 5-13-78-4 0
High 300 pinks near Wadams Pt.

9-3: Checked 8 GN Av 5-20-226-8-0

	<u>Pink</u>	<u>Coho</u>
High:	950	60

Comments: Fishing with small mesh (4 1/2", 4 5/8") continues to be good around Good Hope to Wadams Pt for Johnston Creek Pinks. A fair to good showing continues to be in Johnston Bay. Thus as we recommended a extension from in the same areas and boundaries (ie 9-2 & 9-3). Some concerns were felt because we were un sure of the ~~new~~ number of pinks in Johnston River.

The pink fishing held up most of the afternoon with sets ranging from 50-100 pinks near Johnston Bay. Coho fishing for sport fishermen was very good near Draney Narrows.

Idea there: All week we have had lots of rain and clouds thus making all rivers and creeks fairly high.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Apr 12 for Thursday

2800 hrs:

9-2 7 GN OP.

Checked 6 GN Av 8-12-84-14-1

High: 200 pinks

(Two vessels near Wadons Pt had this catch)

9-3 14 GN OP

Checked 7 GN Av 6-9-244-13-1

High: 500 pinks

(Two vessels had this catch)

Total: 21 GN operating

General: Not as many pinks showing in Johnston Bay this a.m. believe some may have gone up the creek with the high water flow the last couple of days. These fish may have backed out of the bay. Recommended that we close the area for review of present stocks in the creeks.

The quality of the pinks and chons were very good this week.

Johnston Creek: was walked to-day only 10,000 pinks estimated for the system, this was a disappointment because we thought we had between 10-20,000 pinks in the River. It now appears that the schools of fish holding in bay backed out behind the boundary into the commercial fishery.

Weather: Cloudy and rainy in the am changing to sunny and clear in the p.m.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 16/84 cont.

General: Johnstone Straits and the Sheeua & Nass River areas announced to-day that they would be opening up on Saturday next week. Thus in order to coordinate fishing times (thus cutting down on gear movement) it was decided we would have an announcement on Friday morning for Saturday fishing in the Central Coast. This was released to the fleet today.

Aug 17/84 Friday

Weather: Cloudy with periods of rain all day

Water levels: Reasonably high to moderate after light rain fall all week.

0900 hrs: The recommendation for next week's fishing time was passed onto District Staff for Area 4 & 5. From 0900 to 24 hours Saturday (0900 hrs) to coordinate with the rest of the coast. In sub areas 9-2, 9-3, 9-4, 9-5 & 9-11 with max mesh size 140mm. The reasons for this was to see if there is any pinks moving into Glynah River, we already have an escapement of 40000-50000 pinks.

- 2) To allow some catch of chums to get a indication of strength of Drancy tinted chums
- 3) To take some gear away from Johnstone Creek boundary because we lost the body of pinks that were holding inside the boundary.
- 4) To see if new fish were moving into the area.
- 5) This fishery will confirm our position on future fishing times for this season. I would suggest this would be the last fishery of the year.

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

105

Gordon McEachen
(SIGNATURE)

PAGE 10 OF 10
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 17/84 cont.

Escapement: It is interesting to note that we had a very showing in Johnston Creek mouth & Bay, and a good escapement in the Brood year (1972) for Johnston Creek but it is not looking that good in the creek and Bay right now. However the Ciyah River had an escapement of + 10,000 in 1972 and we will probably end up with an escapement near 70,000 which is a 7-1 return rate. One will always wonder if some of the Johnston Creek pinks may have wandered into the Ciyah Rivers. We will only have to wait and see how the escapement ends up in Johnston Creek.

Aug. 18/1984 Saturday

Weather: Cloudy and rainy all day. (light rain)

Fishery

1800 hrs At 1800 hrs today areas 9-2, 9-3, 9-4, 9-5 & 9-11
Opened to G.V only & troll as scheduled.

1445 hours

Gear Count.

9-2	3 G.V	1 Troll
9-3	7 G.V	
9-4 } 9-5 }	11 G.V	
9-11	2 G.V	
<u>Total</u>	<u>23</u>	<u>1 Troll</u>

HRM - JUN 84

Gordon: MICHAEL
(P) (NAME)

106

Stephen M. ...
(SIGNATURE)

PAGE 11 OF 14
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Sports Fish Catch

Sports fish catch between Aug 7 - Aug 14/84

85 - chinook over 20 lbs
80 - chinook under 20 lbs
1131 - coho
156 - pink
17 - chum
1 - sockeye

891 Boat Day for this period.

Total sports fish catch between June 1 and Aug 14/84

435 - chinook over 20 lbs
521 - chinook under 20 lbs
3648 - coho
479 - pink
35 - chum
6 - sockeye
2 - steelhead.

Of the large chinook caught this week 7 were over 50 lbs, the largest being 56 lbs. These fish were all caught near Kithella Bay or McPherson Bay.

The coho have increased dramatically in numbers this week at the mouth of the Lake, with fish ranging from 5-18 lbs but averaging 8-10 lbs.

Near the end of the week the private fleet started thinning out considerably.

HRM-JUN 84

Gordon McENCHEN
(PRINT NAME)

107

Gordon McEnchen
(SIGNATURE)

PAGE 12 OF 14
(FOR THIS WEEKLY PERIOD)

KEY INDICATOR STREAMS

AREA - 9

TOTAL AREA TARGET ESC. 180,700

1950's, 60's, 70's - LONG TERM AV. ESC. 36,076/27,978/27,662

DATE Aug 12-18/84

CHUM

1950's
60's
70's

STREAM	AV. ESC.	ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
* DRANEY - LOCKHART-GORDON	1915 6080 5180	LATE AUG.		10,000 10,000	Draney 70 chums in creek Lockhart-Gordon	Aug 17/84 Aug 17/84
MCNAIR	2143 2840 920	3 rd WK. AUG.	2 nd WK. SEPT.	4500	50 chums in creek (All chums still holding) N/A in mouth	Aug 17/84
WANNOCK	19,781 11,313 11,280	SEPT.	LT. OCT ~ EARLY NOV.	40,000		
CLYAK-NEIL-YOUNG	9950 8140 8540	LATE JULY - EARLY AUG.	LATE AUG. - EARLY SEPT.	40,000	Estimate 1000 chums	Aug 17/84
* NOTE: 1951 TO 1977 INCLUSIVE ESC. GROUPED WITH LOCKHART-GORDON. DRANEY SEPARATED FROM 1978.						
ADDITIONAL 14 STREAMS ~	76,200.			104,500	KEY STR.	% OF TOT. 180,700

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...

ESC. 1980 - 23,675 1981 - 12,650 1982 - 102,180 1983 - 34,966

Clyak-Neil-Young - Very hard to estimate fish due to glacial water conditions. This estimate may even be high.

McNair - No jumpers (chum) in mouth to high of water to walk the stream today due to heavy rain.

Draney-Lockhart-Gordon - All chums still holding no spawning in progress. 10 chums (jumpers) observed near Allard Bay. Still fish were very dark.

Justin M. [Signature]
FISHERY OFFICER

108

P 13 of 14

KEY INDICATOR STREAMS
AREA - 9

TOTAL AREA TARGET ESC. 347,450

1950's, 60's, 70's LONG TERM AV. ESC. 34,730/83,145/245,445

DATE Aug 12-15/84

PINK

1950's
60's
70's

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700	9980	AUG. 1-10		90,000	Est 10-2000 in River 15-2500 in Bay 8600 observed Est 8,600-10,000	Aug 14/84
	14,515	925					
	35,200	30,700					
CLYAK-NEIL-YOUNG	5058	200	JULY 30	LATE AUG.	50,000	Clyak - 20,000 ⁺ Neil - 6,000 Young - 23,000 Total - 49,000	Aug 15/84 Aug 17/84 Aug 17/84
	32,700	144					
	69,600	1175					
KILBELLA	2563	14,250	1 st WK. AUG.	LATE AUG.	100,000	N/A due to water conditions	Aug 18/84
	7650	3644					
	62,100	3450					
CHUCKWALLA	3500	14,000		EARLY SEPT.	100,000	7000 pinks very difficult to count due to high water conditions	Aug 18/84
	13,150	9381					
	37,000	8000					
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS - ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
ADDITIONAL 16 STREAMS - 7450					340,000	KEY STR. 98% OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

Johnston Creek. - All fish still holding in the pools no spawning in progress yet. Less pink holding at the bay compared to the beginning of the week.
Clyak River. Very good showing in these systems with some pink jumpers still in the estuary.

[Signature]
FISHERY OFFICER

109

P 14 of 14

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

AUGUST 19 - 25

Sport fish catch. Commercial catch if fishing. By the end of the week HOHNSON CR. should show what's there. KILBELLA - good indication by week's end. Chums in CLYAL - peak spawning end of this week. No CLYAK Chums should be left in commercial fishery, and early indications of escapement @ those rivers by this week.

HRM-JUN 84

Gordon McNEEN
(PRINT NAME)

110A

[Signature]
(SIGNATURE)

PAGE 1 OF 9
(FOR THIS WEEKLY PERIOD)

RECORD OF
MANAGEMENT STRATEGIES

Pink
(SPECIES)

Aug 19-25 1984

9
(AREA)

	CURRENT WEEK	COMPARATIVE .19__	YEAR(S) Aug 22 29 .19 <u>76</u>
SEINES (OPERATING)			0
NO. OF DAYS FISHING			0
PREVIOUS TOTAL TO DATE			223,072
PROJECTED CATCH TO 6PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)	23 → 20		88 → 90
NO. OF DAYS FISHING	1		2 (10 of 2)
PREVIOUS TOTAL TO DATE	76,220		352,420
PROJECTED CATCH TO 6PM	3300 AV (148)		8123 (384V) (3384)
PROJ. TOTAL TO DATE	79,520		360,543
PROJECTED TTD (SN AND GN)	79,520		

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Open to Gillnet and Troll in sub areas:
9-2, 9-3, 9-4, 9-5 & 9-11

Max. mesh size for Gillnets 140 mm

Regular Creek mouth boundaries in effect for Johnston Bay, Sandell Bay, Beaver

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN 0600 AM (PM) Aug 18/84 Saturday

AREA CLOSED 0600 AM (PM) Aug 19/84 Sunday

closed as scheduled after 24 hours.

(see Aug 14/84 for reasons)

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEARTYPE.

AREA OPEN _____ AM PM _____ DATE _____ LENGTH OF OPENING _____

Recommend remain closed next week due to low escapements in Johnston Creek (pink's) and Orange Lake (chons).

DAILY SALMON CATCH

AREA 9

FOR WEEK Aug 19-25 1984

DATE	GEAR OP. DEL.	SOC.	COHO	PINK	CHUM	CHIN.	JACK	ST. HD.
Gillnet								
Aug 18/84	24GN 0	0	0	0	0	0	0	0
"	OSN 0							
Aug 19/84	20GN 38	88	611	3275	462	21	27	5
"	OSN 0							
TFW		88	611	3275	462	21	27	5
TTD		51818	6178	79495	9889	878	328	74
Average	Weights :		Pinks	3.7 lbs				
			coho	7.7 lbs				
			Chum	10.7 lbs				

HRM- JUN 84.

111

WEEK 3 OF 9
 PAGE 3 OF 9
 (FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 19/84 Sunday

Weather: Light breeze, light rain and very low ceiling in the morning

The Fishery

The following is the morning hauls and gillnets in area

	<u>Gillnet</u>	<u>Trawl</u>
9-2	2	1
9-3	7	-
9-4	6	-
9-5	4	-
<u>9-11</u>	<u>1</u>	<u>-</u>
Total	20	1

Sub areas:

9-2 checked 1 GN Av 0-3-50-2-0

9-3 checked 5 GN Av 4-10-230-8-1

Pink High - 600
Low - 50

Quality of pinks have dropped in this area 50% (est.)
dark fish.

9-4 checked 5 GN Av 2-21-46-10-1

Pink High - 200
next high was 120 pinks
20% of the chums are dark.

9-5 checked 4 GN Av 1-23-27-12-0

9-11 checked 1 GN for three fish on board.

Inlet Average: 2-16-103-8-0

HRM-JUN 84

Gordon McEACHEN
(PRINT NAME)

112

Gordon McEachen
(SIGNATURE)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 19/84 cont.

0900hrs The only area that has good pink fishing is near Johnston Bay and Wadams Pt. We have about 10,000 pinks in the creek right now. The showing in Johnston Bay is poor (1000 pinks). I think that we should put more fish in the creek, thus I do not think we should continue fishing. The colio fishing continues to be fair to good for the Gillnets and sports fishermen.

The only bright spot for escapement was in the Clynk River (40-50,000 pinks). However the pinks should be by the Commercial fishing area now. Chuckwalle River is about 7000 pinks. This is also poor.

The chums catches remain down this week. This partly due to the 140 mm max mesh restriction, however if lots of chums were in the area a lot more would have been caught in this fishery.

1800hrs Area 9 closed as scheduled, I believe this will be the last fishing of the year in Area 9.

Central Coast Weekly meeting in Della Bella.

A DFO weekly meeting was held in Della Bella today. The above information was presented at this meeting.

Aug 20/84 Monday

Weather: no wind, sunny with a very high overcast.

Water levels: Starting to drop after the rain on the week end.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Nov 21 / 74 Tuesday

Weather: Sunny clear and warm all day

Water levels: Continue to drop again today in most streams

Sports fish: General tour of sports fish lodges at the head of the Lake today. All seemed to be doing well with no complaints about the fishing this year.

Nov 22 / 74 Wednesday

Weather: Heavy grey overcast in the afternoon with strong winds and rain in the afternoon.

Weekly Industry Meeting in Dawson's Landing

Five industry representatives attended the meeting along with F/O McEACHERN. The Area 10 escapement for the Niche 225 chains and no jumps outside was explained and that we anticipate no further fishing.

Area 4. The escapements were presented to date and pointed out that we needed the rest of the stocks for escapement. The Area 4 would be closed next week. I pointed out that there would probably be no further fishing in area 4 this year. They all understood and seemed responsive to these statements.

One fisherman asked if we could open 4-1. I explained that we do not promote interception fisheries and do not open this area.

A couple of fishermen commented that they thought these weekly meetings were good and that we should continue them in future years.

HRM - JUN 84

Corlan McEACHERN

(PRINT NAME)

114

Corlan McEACHERN

(SIGNATURE)

PAGE 6 OF 9
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 23/84 Thursday

Weather: High overcast with periods of sun, no rain

Water levels: Normal in most streams

Aug 24/84 Friday

Weather: High overcast with no rain today

Water levels: Normal in most streams

Aug 25/84 Saturday

Weather: High overcast in the morning changing to low stratus clouds and light continuous rain fall all afternoon & evening.

Water levels: Normal in most streams

General: A crew from the Pacific Biological Station took 100 pike and 10 chums from the Clynk River for samples today. These samples will be used for base information for chlorophyllis stock identification.

Most of the gillnets in the area left after Aug 5, 4, 5 & 6 were closed for next weeks fishing.

KEY INDICATOR STREAMS
AREA - 9

TOTAL AREA TARGET ESC. 347,450

1950's, 60's, 70's LONG TERM AV. ESC. 34,730/83,145/245,445

EVEN 34,730/83,145/245,445
ODD 39,235/11,545/45,614

DATE 11/27/84

PINK

1950's
60's
70's

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700	9980	AUG. 1-10		90,000		
	14,515	975					
	35,200	30,700					
CLYAK-NEIL-YOUNG	5058	200	JULY 30	LATE AUG.	50,000	69,000 picks in river very little out to bay	Aug 23/84
	32,700	144					
	69,600	1175					
KILBELLA	2563	14,250	1 st WK. AUG.	LATE AUG.	100,000		
	7650	3644					
	62,100	3450					
CHUCKWALLA	3500	14,000		EARLY SEPT.	100,000		
	13,130	9381					
	57,000	8000					
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS - ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
ADDITIONAL 16 STREAMS - 7450					340,000	KEY STR. 98 % OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...

ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

Clyak - Pinks still holding in pools very little spawning in progress. Some pinks still have seen here on the fish.

Johnston & Chuckwalla were to be counted Sunday & Monday however due to high water this was not done.

Richard [Signature]
FISHERY OFFICER

116

P. 8 of 9

KEY INDICATOR STREAMS

AREA - 9

TOTAL AREA TARGET ESC. 180,700

1950's, 60's, 70's - LONG TERM AV. ESC. 36,076/27,978/27,662

DATE Aug 19 - 25 1984

CHUM

1950's
↓
60's, 70's

STREAM	AV. ESC.	ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
* DRANEY - LOCKHART-GORDON	1915 6080 5180	LATE AUG.		10,000 10,000	Draney: 500 chums Lockhart-Gordon: 150 chums	Aug 21, 84 Aug 21/84
McNAIR	2143 2840 920	3 rd WK. AUG.	2 nd WK. SEPT.	4500	90 chums	Aug 29/84
WANNOCK	19,781 11,313 11,280	SEPT.	LT. OCT ~ EARLY NOV.	40,000		
CLYAK-NEIL-YOUNG	9950 8140 8540	LATE JULY - EARLY AUG.	LATE AUG. - EARLY SEPT.	40,000	130 chums " " " " " " 150 chums within a month	Aug 23 84 Aug 25 84
* NOTE: 1951 TO 1977 INCLUSIVE ESC. GROUPED WITH LOCKHART-GORDON. DRANEY SEPARATED FROM 1978.						
ADDITIONAL 14 STREAMS ~ 76,200.				104,500	KEY STR.	% OF TOT. 180,700

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
ESC. 1980 - 23,675 1981 - 12,650 1982 - 102,180 1983 - 34,966

[Signature]
FISHERY OFFICER

117

P. 9 of 9

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK AUGUST 26 - SEPTEMBER 1

Last week to fish Pinks - most years poor. Last week's catch would indicate whether or not fishing this week. JOHNSON - should be lots up, and lots holding. KILBELLA/CHUCKWALLA - should be lots up. Sport fishery should drop off except JOHNSON and a CHUCKWALLA/KILBELLA.

Chums - most likely last week to fish - most years poor. Tail end of DRANEY, McNAIR, KILBELLA/CHUCKWALLA. There should be a good indication of Chum escapement. Coho may be a consideration for net fishery if concerned during this period.

HRM-JUN 84

Gordon W. S. J. CHEN
(NAME)

118

[Signature]
(SIGNATURE)

PAGE 1 OF 1
(FOR THIS WEEKLY PERIOD)

RECORD OF
MANAGEMENT STRATEGIES

Pink
(SPECIES)

Aug 26 - Sept 1 1984
(FOR WEEKLY PERIOD SUN.-SAT.)

9
(AREA)

	CURRENT WEEK	COMPARATIVE YEAR(S)
		,19__ ,19__
SEINES (OPERATING)		
NO. OF DAYS FISHING		
PREVIOUS TOTAL TO DATE		
PROJECTED CATCH TO 6PM	AV()	
PROJ. TOTAL TO DATE		
GILLNETS (OPERATING)	0	
NO. OF DAYS FISHING	0	
PREVIOUS TOTAL TO DATE	79,445	
PROJECTED CATCH TO 6PM	0 AV()	
PROJ. TOTAL TO DATE	79,445	
PROJECTED TTD (SN AND GN)		

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Remains closed this week

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES, BOUNDARY CHANGES

AREA OPEN ____ AM PM _____

AREA CLOSED ____ AM PM _____
HR. CIRCLE DATE

Remains closed this week.

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEARTYPE.

AREA OPEN ____ AM PM _____
TIME DATE LENGTH OF OPENING

*Area 9: Closed Until Further Notice
Due to the end of the pink run and the escapements for chums to date look poor to fair but no fishable stock.*

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 26/84 Sunday

Weather: Low clouds and constant rain all day. Heavy rain last night Total: 22.4 mm of rain

Water levels: Starting to rise in most creeks & rivers. A very poor day for stream enumeration.

Aug 27/84 Monday

Weather: Very heavy rain all last night changing to cloudy with periods of sun and rain Total: 6.6 mm of rain

Water levels: High in all creeks after last night heavy rain fall. Not worth creek walking today due to high water conditions.

Aug 28/84 Tuesday

Weather: High overcast with periods of light off and on all day Total: rain 3.6 mm

Water levels: Water levels remain high in all rivers & creeks due to pass rain fall

Aug 29/84 Wednesday

Weather: Overcast with period of light rain Total: rain 2.6 mm.

Water levels: Still fairly high but starting to drop. A few more days then viewing conditions should get better in the creeks

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

120

Gordon McEachen
(SIGNATURE)

PAGE 3 of 4
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Aug 30 / 84 Thursday

Weather: Overcast with fog and period of light and heavy rain. Total rainfall 16.6 mm.

Water Levels: Water levels again started to rise after the heavy rain fall.

Aug 31 / 84 Friday

Weather: Overcast with heavy rain throughout the night and morning changing to partly sunny in the PM. Total rainfall 16.6 mm.

Water Levels: Water levels were again very high in most rivers. There is no value in wading creeks due to high water flows.

Sept 1 / 84, Saturday

Weather: Cloudy in the morning clearing in the afternoon. Total rainfall 0.6 mm.

Water Levels: Water levels should start to drop again today.

General

Water levels have been very high all week due to periods of heavy rainfall. This making it hard to count fish, so there was very little enumeration done this week. All of Aug has been poor weather with most days being cloudy with rain. In fact we had 238.8 mm (9.4") of rain during this month. The highest temperature in Dawson's landing was 17.5 °C with a monthly average of 11.7 °C.

KEY INDICATOR STREAMS

TOTAL AREA TARGET ESC. 347,450

AREA - 9

1950's, 60's, 70's LONG TERM AV. ESC.

EVEN 34,750/83,145/245,445

PINK

1950's
60's
70's

DATE Aug 26 - Sept 1, 1984

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700 14,515 35,200	9980 925 30,700	AUG. 1-10		90,000	50-1000 holding in bay	Aug 27/84
CLYAK-NEIL-YOUNG	5058 32,700 69,600	200 144 1175	JULY 30	LATE AUG.	50,000		
KILBELLA	2563 7650 62,100	14,250 3644 3450	1 st WK. AUG.	LATE AUG.	100,000		
CHUCKWALLA	3500 13,130 57,000	14,000 9381 8000		EARLY SEPT.	100,000		
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS - ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
Sandell Bay Creek						15 pinks in Creek 75-100 pinks in Bay	Aug 28/84
ADDITIONAL 16 STREAMS - 7450					340,000	KEY STR. 98 % OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
 ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

Note: Water levels high through out most of the week, thus too high for stream enumeration.

Gordon McEACHEN
FISHERY OFFICER

122

P. 5 of 6

KEY INDICATOR STREAMS

TOTAL AREA TARGET ESC. 180,700

AREA - 9

1950's, 60's, 70's - LONG TERM AV. ESC. 36,076/27,978/27,662

CHUM

1950's
60's
70's

DATE Aug. 26 - Sept 1/84

STREAM	AV. ESC.	ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
* DRANEY - LOCKHART-GORDON	1915 6080 5180	LATE AUG.		10,000 10,000		
M'NAIR	2143 2840 920	3 rd WK. AUG.	2 nd WK. SEPT.	4500		
WANNOCK	19,781 11,313 11,280	SEPT.	LT. OCT ~ EARLY NOV.	40,000		
CLYAK-NEIL-YOUNG	9950 8140 8540	LATE JULY - EARLY AUG.	LATE AUG. - EARLY SEPT.	40,000		
* NOTE: 1951 TO 1977 INCLUSIVE ESC. GROUPED WITH LOCKHART-GORDON. DRANEY SEPARATED FROM 1978.						
ADDITIONAL 14 STREAMS ~ 76,200.				104,500	KEY STR.	% OF TOT. 180,700

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
ESC. 1980 - 23,675 1981 - 12,650 1982 - 102,180 1983 - 34,966

Note: No chum creeks were walked this week due to heavy rainfall and high water conditions.

Gordon M' EACHEN
FISHERY OFFICER

123

P 6 of 6

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

SEPTEMBER 2 - 8

Unless lots showing in last week's catch and a good escapement indicated, closed for the balance, or if WANNOCK 4 year cycle Chums expected strong (1986 next) then Close Until Further Notice. 30-40,000 esc. on cycle years 1500-8000 other years.

HRM - JUN 84

Gordon McEACHEN
(PRINT NAME)

124

[Signature]
(SIGNATURE)

RECORD OF
MANAGEMENT STRATEGIES

Sept 2-8 19 84 9
(FOR WEEKLY PERIOD SUN.-SAT) (AREA)

	CURRENT WEEK	COMPARATIVE YEAR(S)	
		,19__	,19__
SEINES (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6PM	AV ()		
PROJ. TOTAL TO DATE			
PROJECTED TTD (SN AND GN)			

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

Remains Closed This Week

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES BOUNDARY CHANGES

AREA OPEN ____ AM PM _____

AREA CLOSED ____ AM PM _____
HR. CIRCLE DATE

Remains Closed This Week

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEARTYPE.

AREA OPEN ____ AM PM _____
TIME DATE LENGTH OF OPENING

*Area 9: Closed For The Balance of
The Season*

Area 4: Closed For the Balance of The Season on Sept 06/84.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Weather:

The weather this week was very poor week with periods of very heavy rain, causing all creek to be very high and difficult to count fish in.

Rain Fall by day:

Sept 2	0	mm
" 3	5.8	"
" 4	24.5	"
" 5	4	"
" 6	0.2	"
" 7	14.4	"
" 8	31.4	"

Stream enumeration was again hampered this week by heavy rains and high water conditions. What enumeration that has been done indicates low escapements of chum and poor escapements of pink except the Clynk River System.

KEY INDICATOR STREAMS

TOTAL AREA TARGET ESC. 347,450

AREA - 9

1950's, 60's, 70's LONG TERM AV.

EVEN ESC. 34,730/83,445/245,445
 ODD ESC. 33,735/11,545/45,614

DATE Sept 2-8/84

PINK

1950's
60's
70's

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700 14,315 35,200	9980 975 30,700	AUG. 1-10		90,000	22,000 in River Very few in Bay	Sept 3/84
CLYAK-NEIL-YOUNG	5058 32,700 69,600	200 144 1175	JULY 30	LATE AUG.	50,000		
KILBELLA	2563 7650 62,100	14,250 3644 3450	1 st WK. AUG.	LATE AUG.	100,000	1,770 in River	Sept 6/84
CHUCKWALLA	3500 13,130 57,000	14,000 9381 8000		EARLY SEPT.	100,000	4,040 in River	Sept 6/84
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS ~ ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
ADDITIONAL 16 STREAMS -	7450				340,000	KEY STR. 98% OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...

ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

Enumeration very poor throughout the week due to very high water conditions.

George M. Eichen
FISHERY OFFICER

127

P. 3 of 4

KEY INDICATOR STREAMS
AREA - 9

TOTAL AREA TARGET ESC. 180,700

1950's, 60's, 70's - LONG TERM AV. ESC. 36,076/27,978/27,66

DATE Sept 2-8/84

CHUM

1950's
60's
70's

STREAM	AV. ESC.	ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY FISH UPSTREAM..
* DRANEY - LOCKHART-GORDON	1913 6080 5180	LATE AUG.		10,000 10,000	1500-1700 in Draney 1600-1700 in Lockhart	Sept 4/84 " 4/84
MENAIR	2143 2840 920	3 rd WK. AUG.	2 nd WK. SEPT.	4500	1350 Live 100 Carcasses	Sept 7/84
WANNOCK	19,781 11,313 11,280	SEPT.	LT. OCT ~ EARLY NOV.	40,000		
CLYAK-NEIL- YOUNG	9950 8140 8540	LATE JULY- EARLY AUG.	LATE AUG.- EARLY SEPT.	40,000		
* NOTE: 1951 TO 1977 INCLUSIVE ESC. GROUPED WITH LOCKHART-GORDON. DRANEY SEPARATED FROM 1978.						
ADDITIONAL 14 STREAMS ~	76,200.			104,500	KEY STR.	% OF TOT. 180,700

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
ESC. 1980-23,675 1981-12,650 1982-102,180 1983-34,966

Enumeration very poor throughout the week due to very high water conditions

[Signature]
FISHERY OFFICER

128

P. 4 of 4

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

SEPTEMBER 9 - 15

No fishing CFB (or TFN if WANNOCK expected fishable).

HRM-JUN 84

Gordon McEACHEN
(PRINT NAME)

129

Gordon McEachen
(SIGNATURE)

PAGE 1 OF 5
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Weather:

Weather conditions ~~continue~~ continue to be very poor with periods heavy rain that are hampering stream enumeration. The following is the rain fall for the week.

Sept 9	31.8	mm
" 10	15.5	mm
" 11	5.5	mm
" 12	Trace	mm
" 13	Trace	mm
" 14	5.6	mm
" 15	26.4	mm

KEY INDICATOR STREAMS
AREA - 9

TOTAL AREA TARGET ESC. 180,700

1950's, 60's, 70's - LONG TERM AV. ESC. 36,076/27,978/27,662

DATE Sept 9-15/84

CHUM

1950's
60's
70's

STREAM	AV. ESC.	ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
* DRANEY - LOCKHART-GORDON	1915 6080 5180	LATE AUG.		10,000 10,000		
MCHAIR	2143 2840 920	3 rd WK. AUG.	2 nd WK. SEPT.	4500		
WANNOCK	19,781 11,313 11,280	SEPT.	LT. OCT ~ EARLY NOV.	40,000		
CLYAK-NEIL-YOUNG	9950 8140 8540	LATE JULY - EARLY AUG.	LATE AUG. - EARLY SEPT.	40,000	750 Chums	Sept 14/84
* NOTE: 1951 TO 1977 INCLUSIVE ESC. GROUPED WITH LOCKHART-GORDON. DRANEY SEPARATED FROM 1978.						
ADDITIONAL 14 STREAMS ~	76,200.			104,500	KEY STR.	% OF TOT. 180,700

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
ESC. 1980 - 23,675 1981 - 12,650 1982 - 102,180 1983 - 34,966

Note: Water levels high throughout most of the week, thus too high for stream enumeration.

North G. [Signature]
FISHERY OFFICER

132

P. 4 of 5

KEY INDICATOR STREAMS

TOTAL AREA TARGET ESC. 347,450

AREA - 9

1950's, 60's, 70's LONG TERM AV. ESC. 34,730/83,145/245,485
 EVEN ODD 39,235/11,345/45,614

DATE _____

PINK

1950's
60's
70's

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700	9980	AUG. 1-10		90,000		
	14,515	925					
	35,200	30,700					
CLYAK-NEIL-YOUNG	5058	200	JULY 30	LATE AUG.	50,000	70,000 ⁺	Sept 14/84
	32,700	144					
	69,600	1175					
KILBELLA	2563	14,250	1 st WK. AUG.	LATE AUG.	100,000		
	7650	3644					
	62,100	3450					
CHUCKWALLA	3500	14,000		EARLY SEPT.	100,000		
	13,130	9381					
	57,000	8000					
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS - ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
ADDITIONAL 16 STREAMS - 7450					340,000	KEY STR. 98% OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD OF INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...

ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

Clyak River: Some creeps had pink egg drops and laying on the surface of the H. gravel. There will be a small loss of spawning stock.

FISHERY OFFICER

133

P. 5 of 5

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

SEPTEMBER 16 - 22

Same as the previous one.

HRM-JUN 84

BRIAN LUNN
(PRINT NAME)

(134) Brian Lunn
(SIGNATURE)

PAGE 1 OF 4
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

WEATHER: STRONG RAINS ON SUNDAY & MONDAY PREVAILED, WHILE FOR THE LATTER PART OF THE WEEK IT REMAINED MOSTLY SUNNY WITH STRONG OUTFLOW WINDS. THE FOLLOWING IS THE RAINFALL FOR THE WEEK.

Sept 16	68.8	MM
" 17	7.2	MM
" 18	.2	MM
" 19	NIL	
" 20	NIL	
" 21	28.2	MM
" 22	NIL	

ESCAPEMENTS: Sept 16/84 THE QUAP RIVER WAS INSPECTED & NOTHING WAS OBSERVED. DALLEC RIVER WAS INSPECTED & NOTHING OBSERVED.

- TSHLULUM RIVER → Sept 22/84 3-400 Sockeye, 100 PINKS
- CLYAK RIVER → Sept 17/84 ESTIMATE 600 COHO PRESENT. ALL CHUMS SPANNED OUT.
- DALLEC RIVER → Sept 21/84 6000 Sockeye
- DRANEY CREEK → Sept 19/84 1200 CHUMS
- GENESSE RIVER → Sept 19/84 1000 Sockeye, 120 PINKS
- INZIANG RIVER → Sept 20/84 5-8000 Sockeye
- WINSTON CREEK → Sept 20/84 36,000 PINKS, 25 CHUMS
- LOCKHART-GORDON RIVER → Sept 18/84 500 CHUMS
- NEECHANZ RIVER → Sept 22/84 1,500 SOCKEYE
- OUTSCALIS CREEK → Sept 19/84 150 PINKS
- TZEO RIVER → Sept 20/84 400 SOCKEYE
- WASHWASH RIVER → Sept 20/84 6000 Sockeye, 100 PINKS

KEY INDICATOR STREAMS
AREA - 9

TOTAL AREA TARGET ESC. 347,450

1950's, 60's, 70's LONG TERM AV. ESC. 34,750/83,145/245,445

EVEN 34,750/83,145/245,445
ODD 39,233/11,345/45,614

DATE _____

PINK

1950's
60's
70's

STREAM	AV. ESC.		ARRIVAL	PEAK SPAWN	TARGET ESC.	CURRENT INFO	DATE - FISH IN BAY - FISH UPSTREAM...
	EVEN	ODD					
JOHNSON*	22,700 14,515 35,200	9980 325 30,700	AUG. 1-10		90,000	36,500 ON THE 2000 CARCASSES.	September 29/84
CLYAK-NEIL- YOUNG	5058 32,700 69,600	200 144 1175	JULY 30	LATE AUG.	50,000	73,000	September 19/84
KILBELLA	2563 7650 62,100	14,250 3644 3450	1 st WK. AUG.	LATE AUG.	100,000		
CHUCKWALLA	3500 13,180 57,000	14,000 9381 8000		EARLY SEPT.	100,000		
* NOTE: MIGRATION AND PEAK SPAWNING DEPEND ON WATER LEVELS - ARRIVAL AND NUMBERS IN THE BAY ARE MORE SIGNIFICANT.							
ADDITIONAL 16 STREAMS - 7450					340,000	KEY STR. 98% OF TOT. 347,450	

NOTE: ARRIVAL MEANS "IN OR NEAR STREAM." ARR. & PEAK SP. DATES ARE MEANS WITH STAND. DEV. - 1951 TO 1983.

GENERAL REMARKS: WHERE APPLICABLE - DATES - METHOD # INSPECTION - ARRIVAL - ESC - PEAK SP. - SHOWING IN THE AREA...
ESC. 1980 - 135,800 1981 - 93,050 1982 - 100,000 1983 - 124,260

CLYAK ALL FISH ACTIVELY SPANNING OR SPANNED OUT, THOUSANDS OF CARCASSES OBSERVED, NO NEW FISH FROM PREVIOUS WEEK.

JOHNSTON CR.: 25% OF FISH ACTIVELY SPANNING, THE REST OF THE FISH HOLDING IN DEEP POOLS. HEAVY RAINS LAST WEEK CAUSED FLOOD CONDITIONS BUT LITTLE SCOURING OCCURRED.

FISHERY OFFICER _____

137

P. 4 of 4

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OPERATIONAL FRAMEWORK

SEPTEMBER 23 - 29

"Take a look" fishery for WANNOCK Chums is applicable (quality would be good - quantity probably low). (Mor. 2 more weeks).

HRM-JUN 84

BRIAN LUNN
(PRINT NAME)

138 Brian Lunn
(SIGNATURE)

PAGE 1 of 5
(FOR THIS WEEKLY PERIOD)

RECORD OF
MANAGEMENT STRATEGIES

ALL SPECIES
(SPECIES)

Sept. 23-29 1984
(FOR WEEKLY PERIOD SUN.-SAT.)

9
(AREA)

	CURRENT WEEK	COMPARATIVE .19__	YEAR(S) .19__
SEINES (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6 PM	AV ()		
PROJ. TOTAL TO DATE			
GILLNETS (OPERATING)			
NO. OF DAYS FISHING			
PREVIOUS TOTAL TO DATE			
PROJECTED CATCH TO 6 PM	AV ()		
PROJ. TOTAL TO DATE			
PROJECTED TTD (SN and GN)			

SUB-AREAS OPEN FOR CURRENT WEEK: LIST BOUNDARIES, GEAR RESTRICTIONS, GEAR TYPES, AND CHANGES DURING THE WEEK.

CLOSED FOR THE BALANCE OF THE SEASON

MANAGEMENT ACTION FOR THE CURRENT WEEK AND REASON: EXTENSIONS, CLOSURES, BOUNDARY CHANGES

AREA OPEN ____ AM PM ____
AREA CLOSE ____ AM PM ____
R. CIRCLE DATE

AS ABOVE

PROPOSED FISHING PATTERN FOR COMING WEEK: DAYS, BOUNDARIES, AREAS OPEN, GEAR RESTRICT, GEAR TYPE.

AREA OPEN ____ AM PM ____
TIME DATE LENGTH OF OPENING

REMAINS C.F.B.S.
ALL SYSTEMS RETAIN BELOW OPTIMUM ESCAPE-
MENT EXCEPT FOR PINKS IN THE CLYAR RIVER.

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

WEATHER: SUNNY & CLEAR THROUGHOUT THE WEEK, WITH NO PRECIPITATION IN RIVERS INLET. WATER LEVELS HAVE ALL RETURNED TO NORMAL, & VIEWING CONDITIONS THIS WEEK FOR SALMON ENUMERATION WERE EXCELLENT.

ESCAPEMENTS:

- ALLARD CR → Sept. 27/84 50 CHUMS
- QUAP RIVER → Sept 24/84 2 Sockeye, 8 PINKS
- DALLEL RIVER → Sept 25/84 2000 FRESH Sockeye
- DRANEY CREEK → Sept 25/84 1 sockeye, 100 PINKS, 700 CHUMS
- GENESSEE RIVER → Sept 27/84 1000 sockeye, 15 PINKS
- INZIANA RIVER → Sept 26/84 1000 Sockeye
- LOCKHARD GORDON RIVER → Sept 28/84 30 COHO, 500 PINKS, 4000 CHUMS
- MALNAIR CREEK → Sept 24/84 28 FRESH CHUMS
- TZELO RIVER → Sept 26/84 450 Sockeye
- NASHWASH RIVER → Sept 26/84 10,500 Sockeye

COHO SPORT FISHERY DATA FOR MONTH of Sept.

FROM SEPT. 1/84 to Sept. 30 there were two CAMPS OPERATING INSIDE THE PERMIT AREA IN RIVERS INLET. THESE CAMPS CAUGHT 632 COHO & 2 SMALL SPRINGS. DURING THE SAME PERIOD OUTSIDE THE PERMIT AREA AT THE ENTRANCE TO RIVERS INLET THERE WERE FOUR CAMPS OPERATING FOR VARIOUS LENGTHS OF DURATION. THEY WERE ABLE TO CATCH 286 COHO & 2 SM. SPRINGS. TOTAL COHO CAUGHT FOR MONTH of Sept WAS 918 coho AVG. weight 10 lbs.

HRM - JUN 84

BRIAN LUNN
(PRINT NAME)

140 Brian Lunn
(SIGNATURE)

PAGE 3 of 5
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OWIKENO LAKE FALL INSPECTION:

THE OWIKENO LAKE FALL INSPECTION WAS HELD FROM OCTOBER 10th THRU TO OCTOBER 17th, 1984
PERSONS IN ATTENDANCE WERE:

F/O I/C GORDON McEACHEN

F/O BRIAN LUNN

RON	GORUK	FISHERIES	BIOLOGIST
STEVE	BALHEN	"	"
GLEN	FOX	"	"
ART	MONK	B. C. PACKERS	REP.
DUNC	CAMERON	"	"
DAVE	MALCOLM	GILKNETTERS	ASSOCIATION
ED	WILSON	UFAWU	

THE FIRST PORTION OF THE TOUR WAS HAMPERED BY HIGH WATER CONDITIONS AND STRONG RAIN'S UNTIL OCTOBER 13th/84. SEVERAL INDUSTRY MEMBERS WERE UNABLE TO ATTEND UNTIL OCTOBER 14 REB STRONG WINDS AND NO PLANES WERE ABLE TO MAKE IT INTO THE CAMP.

AFTER COMPLETION OF THE INDUSTRY TOUR IT WAS REALIZED THAT THE ECHO-SOUNDING ESTIMATE OF 480,000 SOCKEYE WAS FAR OFF THE MARK AS TO WHAT WAS ACTUALLY COUNTED & ESTIMATED FOR THE OWIKENO LAKE SYSTEMS (150,000 - 200,000) THERE HAS BEEN GIVEN NO REASON TO DATE

HRM - JUN 84

BRIAN LUNN
(PRINT NAME)

141

Brian Lunn
(SIGNATURE)

PAGE 4 OF 5
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

OWIKENO LAKE FALL INSPECTION CONTINUED

RE: THE LARGE DIFFERENCE IN NUMBERS OF FISH COUNTED AND NUMBERS OF FISH ESTIMATED FROM THE ECHO-SOUNDING PROGRAM. THE ACTUAL FINAL NUMBER FOR OWIKENO LAKE HAS NOT BEEN GIVEN AS THERE ARE STILL STREAMS BEING ENUMERATED IN THE LOWER END OF THE LAKE, I.E. QUAP, WANNOCK & DALLEC.

REGARDLESS OF THESE COUNTS, THE ESCAPEMENT THIS YEAR TO OWIKENO HAS BEEN TERRIBLY POOR FOR SOCKEYE. BOTH THE SHEEMAHANT & MACMILL (MAJOR SOCKEYE PRODUCERS IN THE PAST) FAILED TO GET ANY SIGNIFICANT NOS OF SOCKEYE.

ALL SYSTEMS WHICH NORMALLY RECEIVE COHO, HAD EXCELLENT ESCAPEMENTS OF COHO. AN ESTIMATE OF 8,500 RETURNED TO THE SHEEMAHANT RIVER ALONE.

HRM-JUN 84

BRIAN LUNN
(PRINT NAME)

142

Brian Lunn
(SIGNATURE)

PAGE 5 OF 5
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Spawning Grounds Summary

Sockeye

At the time of writing (CCT.31/84) the final inspections for the Owikeno lake systems were not complete. However indications point to a very poor escapement possibly something in the order of 150,000 to 200,000 possibly slightly more depending on final inspections. It is interesting to note that the Rivers Inlet Echo Sounding program began on July 9th and terminated on July 26 identified 484,205 sockeye in the sanctuary area, far above the actual escapement. At this time there seems to be no answer for this discrepancy.

Coho

At the time of writing (OCT.31/84) the final inspection for the Wannock River was not completed. The over all coho escapement looks very good for area 9 with a final escapement in the order of 17,500 to 22,000. This falls short of the 49,800 optimum escapement but is considerably better than the 10 year average of 6,256 Coho.

Pink

Approximately 137,753 spawners were estimated which falls short of the 347,450 optimum escapement, and is less than the five year cycle average of 163,980. The two major escapements were achieved in Johnston Creek 45,000 and the Clyak River 73,000. It is interesting to note that the brood year for the Clyak River was 10,000 pinks. This points to over a 7-1 return ratio on this stock. Johnston Creek received a poorer escapement than expected, and this may have been caused by two things, one is that some of the Johnston Creek Pinks wandered into the Clyak River or a high percentage of the Johnston creek pinks were caught in the commercial fishery. I would suspect a combination of both occurred this year.

HRM-JUN 84

BRIAN LUNN

(PRINT NAME)

143

(SIGNATURE)

PAGE OF
(FOR THIS WEEKLY PERIOD)

MANAGEMENT CONSIDERATIONS: WHERE APPLICABLE, COMMENT ON WATER LEVELS, ESCAPEMENT, WEATHER CONDITIONS, TIDES, GEAR OPERATING, AVERAGE CATCH, FLEET DISPERSAL, AVERAGE WEIGHTS, OR ANY INFORMATION AFFECTING "ACTION FOR THE CURRENT WEEK" OR OTHER MANAGEMENT CONSIDERATIONS.

Spawning Grounds Summary

Chum

The enumeration for the late run of Wannock River Chums is at present under way and no final estimation is available. The Chum escapement for the early spawners totals 11,740. This is a very poor escapement for area 9 streams. The following escapements were achieved; Ciyak River- 800, Draney Creek- 3,500 , Lockhard Gordon Creek- 5,000 , McNair Creek - 1,650

Chinook

The Chinook dead pitch recovery program has just been started (ie Oct 29) for the Wannock River. The initial indications look poor after the Chinook Egg take attempts by the Snootli Hatchery crew. Futher information will be available in mid December on the Wannock River Chinooks.

Other systems in area 9 had the following escapements; Chuckwalla River- 400, Kilbella River- 175 and the Neechanz - 75.

Note: It is the feeling of the writer that the Wannock River Chinook run is at disasterly low level and has been so, for the past few years. The egg take done by the Snootli Hatchery staff will be a great help, however this may not be enough if this run of Chinooks is to be saved. Major regulation changes Re: Sport fishery, are needed to help preserve this run of Chinooks, ie: reduce the daily bag limit to an amount that will have an actual effect on the total number of Chinooks being caught on sports gear in area 9.

HRM - JUN 84

BRIAN LUNN
(PRINT NAME)

148
Brian Lunn
(SIGNATURE)

PAGE _____ OF _____
(FOR THIS WEEKLY PERIOD)

pinned notes
from Ron Goeuk's
latest estimates

Area 9 - Escapements

	Socketeye	Coho	Pink	Chum	Spring
Allard Cr.		N/O	10	130	
Amback Cr.	25,500	750	20 750	2	N/O
Ashlum River	7000	N/O	900	200	N/O
Beaver Cr.	N/O	400	N/O	250	
Chuckwalla R.		2500	9000	25	400
Clyak River		1900	73,000	800	N/O
Dallery River	22,000	500	N/O	50	N/O
Draney Cr.		50	900	3500	
Genesee Cr.	23,000	75 150	150	4	
Inziana River	17,000	50			
Johnston Cr.		1000	45,000	25	
Kibbella River		500	2000	N/O	175
Lockhart-Gordon	1	500	750	5000	
Macmillan River	5,000	N/O			
MacNair Cr.		75	950	1650	
Milton River		100	2000	100	
Marble Creek	[1500]				
Neechanz River	[10,000]	600	2	2	75
Nicknagveet R.		10	2650		
Catscahis Cr.			180		
Oweekeno Beach Spawning	1,100	5			
Sheemahant Sandell Bay Creek	25,000	8,500	N/O 150		
Tzeo River	2,000	100			
Wannock River	45,000	N/O	500	15,000	750*
Washwash River	27,200 (30,000)	50	190	1	N/O
Total	215,101	17,740 P. 145	139,042 137,752	26,738	1400