

PACIFIC REGION

1998 MANAGEMENT PLAN

GROUNDFISH BY HOOK AND LINE

This Groundfish Hook and Line Management Plan is intended for general purposes only. Where there is a discrepancy between the Plan and the regulations, the regulations are the final authority. A description of Areas and Subareas referenced in this Plan can be found in the Pacific Fishery Management Area Regulations.



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RECORD OF MANAGEMENT PLAN REVISIONS

Plan: Groundfish Hook and Line

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#	Date	Page	Subject	Revision Details	Contact
2	07/06/98	11	Inside "ZN"	Implementation of the inside fishery.	D. Trager

ADDITIONAL NOTES:

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1. DFO CONTACTS FOR FURTHER INFORMATION

HOOK AND LINE ACTIVITY NUMBER (604) 666-5634
OBSERVE, RECORD & REPORT 1-800-465-4336

Fisheries Management Branch

Groundfish Manager Marilyn Joyce (604) 666-9033

Management Contacts

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Hook and Line Coordinator	Diana Trager	(604) 666-3279
Trawl Commercial Liaison Officer	Connie Ng	(604) 666-0010
Hook and Line Management Operations Officer	Louise Yada	(604) 666-5865
	Fax	(604) 666-8525

Conservation and Protection

North Coast, Prince Rupert Fishery Officer	Mark Reagan	(250)627-3406
North Coast, Prince Rupert Fishery Officer	Trevor Ruelle	(250) 627-3485
North Coast, Queen Charlotte City Supervisor	Ross Jones	(250) 559-4413
Central Coast / Bella Coola Supervisor	Henry Ragetli	(250) 799-5345
North Vancouver Island Fishery Officer	Tom Hlavac	(250) 949-9609
South Vancouver Island, Sunshine Coast Fishery Officer	Bruce McDonald	(250) 754-0233
West Coast Vancouver Island Fishery Officer	Mike Spence	(250) 725-3468
Lower Mainland, Sunshine Coast Fishery Officer	Art Demsky	(604) 666-3444
Lower Mainland Fishery Officer	Hans Segelken	(604) 666-6260
Regional Coordinator Groundfish Enforcement	Sue Hahn	(604) 666-6464

Commercial Licensing

Commercial Licence Unit (604) 666-0566
480-555 West Hastings Street
Vancouver, B.C. V6B 5G3

Commercial Licence Unit (250) 627-3413
417 2nd Avenue West
Prince Rupert, B.C. V8J 1G8

Commercial Licence Unit (250) 754-0400
60 Front Street
Nanaimo, B.C. V9R 5H7

Recreational Fisheries

South Coast Recreational Fisheries Coordinator	David Fogtmann	(250) 756-7192
North Coast Recreational Fisheries Coordinator	Elmer Fast	(250) 627-3409
Fraser River Recreational Fisheries Coordinator	Devona Adams	(604) 666-6512

Aboriginal Fisheries Division

South Coast Manager	Frank Crabbe	(250) 756-7267
North Coast Manager	Randy Barnhart	(250) 627-3420
Lower Fraser River Implementation Officer	Bert Ionson	(604) 666-2032

2. HISTORY OF THE FISHERY

In 1991, a limited entry program for hook and line rockfish (Category "ZN") was implemented for the Strait of Georgia, resulting in 74 eligible licence holders. In 1992, the limited entry program was expanded to include the remainder of the coast and resulted in an additional 183 eligible licence holders. There are currently 70 inside licence eligibilities and 191 outside licence eligibilities.

The rockfish fishery is generally comprised of two fisheries: longlining and delivery of "iced" rockfish such as yelloweye and rougheye; and handline fishing and delivery of "live" quillback, copper, china and tiger rockfish.

The offshore hook and line lingcod fishery has been increasing in most areas with 1,329 tonnes landed coastwide in 1993, compared to 921 tonnes in 1989. The lingcod stock in the Strait of Georgia and vicinity is at an extremely low level of abundance. Since 1990, retention of lingcod by commercial fishermen has been prohibited throughout most areas in the Strait of Georgia.

The dogfish fishery is conducted in two main areas on the Pacific Coast: the West Coast of Vancouver Island and the Strait of Georgia. Fishing effort is on the rise due to poor salmon seasons. Coastwide landings in 1996 were 3,523 tonnes, compared to 666 tonnes in 1993.

In 1997, the Minister of Fisheries and Oceans made several policy decisions regarding the management of the Groundfish Hook and Line fishery. These decisions were a result of consultations with industry regarding the need for change in the long-term management of Pacific Coast groundfish fisheries, and recommendations on the allocation of commercial groundfish between the trawl and hook and line gear sectors from the Honourable Kenneth Halvorson.

These decisions included:

- a) Commercial rockfish TACs be allocated 92% to the trawl gear sector and 8% to the hook and line sector.
- b) The hook and line sector be allocated 100% of the commercial rockfish TACs in the Strait of Georgia.

- c) Coastwide intersectoral allocations of lingcod, dogfish, hake, pollock, Pacific cod and sole species as follows:

	<u>Trawl</u>	<u>Hook and Line</u>
Lingcod	74%	26%
Dogfish	32%	68%
Hake, Pollock, Pacific Cod & Sole	100%	0%

3. ENFORCEMENT

Fishery Officers will be conducting spot checks on fishing vessels, processors, offloading locations, restaurants, and other fish buyers. Their duties also include co-ordinating assistance from Federal and Provincial enforcement agencies, U.S. authorities, fishermen and the general public, all of whom may have information regarding unlawful fishing, offloading, purchasing, or selling of groundfish. In addition, at-sea enforcement and overflights will be conducted. The names, telephone numbers, and area of responsibilities for Fishery Officers involved in the groundfish program are provided for your assistance.

Users of the groundfish resource have a responsibility to report violations. Any suspected or actual violations can be quickly and discreetly passed on to the appropriate Enforcement Officers by telephoning the year round 24 hour toll-free Observe, Record, and Report (ORR) number for reporting fisheries and pollution violations. Confidentiality is assured.

OBSERVE, RECORD, REPORT 1-800 -465-4DFO (1-800-465-4336)

4. CONSULTATION

Fisheries and Oceans Canada (DFO) established a Groundfish Hook and Line Advisory Committee (GHLAC) in 1990 due to the increased interest and effort in the groundfish hook and line fishery, particularly for rockfish. This committee is comprised of elected representatives of category "ZN" licence holders, appointed representatives of other groups, including other groundfish species, First Nations, union and processing interests. The province of B.C. also participate in this process.

The committee has been actively involved in assisting the Department in addressing in-season and long-term management concerns and assisting in the development of research projects. The Department meets quarterly with the GHLAC to discuss the in-season progress of the fishery and to make recommendations on the fishing period limits and trip limits for the following quarter.

Licence holders are urged to communicate any comments or concerns they have to their respective GHLAC representatives for review at the GHLAC meetings. See section 9 for a list of the GHLAC members.

5. ABORIGINAL FISHING PLAN

Fisheries and Oceans Canada (DFO) recognizes the importance of fish, including invertebrates, to the aboriginal peoples of British Columbia. Through the Aboriginal Fisheries Strategy, DFO seeks to negotiate, with aboriginal organizations, access for food, social and ceremonial purposes.

Subject to conservation, this access will have priority over access for commercial and recreational user groups.

DFO will consult with aboriginal organizations to determine what these accesses should be. In some cases, instead of negotiating access, an area may be closed to certain fishing except fishing by an aboriginal organization. These closures may be for the season or for specified times. Whenever possible, the appropriate annual fishing plan will identify such closures. It is possible, however, that situations may arise in the implementation of this plan where access to the fishery by aboriginal organizations for food, social and ceremonial purposes is jeopardized. In-season closure adjustments may be required. Communal licences will be issued to the aboriginal organization for the fishing.

If you have any questions or need further information, please contact the appropriate Divisional Aboriginal Fisheries staff listed in Section 1 of this fishing plan.

6. SPORT FISHING PLAN

The recreational harvest of groundfish is regulated via the *British Columbia Sport Fishing Regulations* made under the *Fisheries Act*. **A DFO Tidal Waters Sport Fishing Licence is required for the recreational harvest of all species of fish.** The regulations are summarized annually in the British Columbia Tidal Waters Sport Fishing Guide which lists closed times, bag limits, size limits (where applicable) and closed areas. If necessary, public notices are posted to document closures or changes from the Guide. Closures may be implemented in order to conserve vulnerable stocks, or to protect the public from consumption of contaminated shellfish or to meet aboriginal food, social and ceremonial needs. For some species, areas have been closed to commercial harvest or commercial harvest openings have been delayed to provide an opportunity for the recreational community.

The primary consultative body for the recreational fishing community is the Sport Fishing Advisory Board (SFAB). The SFAB has representatives from all parts of this community including the B.C. Wildlife Federation and the Sport Fishing Institute of B.C. If you have any questions or need further information, please contact a Recreational Fisheries Coordinator listed in Section 1 of this fishing plan or a local Fisheries Office.

Dogfish: The daily sport catch limit is 20 and maximum possession limit is 40.

Flounder and Sole: The daily sport catch limit is 8 and the maximum possession limit is 16.

Greenling: The daily sport catch limit is 3 and the maximum possession limit is 6.

Lingcod: Areas 1-10 the daily sport catch limit is 3 and the maximum possession limit is 6. Areas 11 to 19, 20, 21, 28, 29 the daily sport catch limit is 1 and the maximum possession limit is 2. The size limit for lingcod in Areas 11, 19, 20, 21, 28 and 29 is 63 cm head-on, and 53 cm head-off.

Rockfish: Areas 1 to 11, 21 to 27 aggregate daily sport catch limit is 8, no more than 3 may be Yelloweye, with a maximum possession limit of 16. Areas 12 to 19, 28, 29 aggregate daily limit is 5, no more than 2 may be Yelloweye, with a maximum possession limit of 10. Area 20 west of Sheringham Point, aggregate daily limit is 8 with a maximum possession limit of 16. Subareas 20-5 to 20-7 from Sheringham Point easterly to Race Rocks, aggregate daily limit is 5 with a maximum possession limit of 10.

Sturgeon: In all tidal waters there is no retention of sturgeon.

7. STOCK ASSESSMENT

7.1. Stock Conditions

The PSARC¹ Groundfish Subcommittee overviews on the current condition of groundfish stocks. The following is a summary of stock conditions for hook and line species:

<u>Species</u>	<u>Current Stock Condition</u>
Strait of Georgia lingcod	Very low
Offshore lingcod	Average
Pacific cod	Very low
Petrable sole	Very low
Rock, English and Dover sole	Average to high ²
Spiny Dogfish	Average
Slope, Shelf and Inshore rockfish	Low to Average ²

¹ Pacific Stock Assessment Review Committee

² Depending on the stock

7.2. Research Activities

In 1998, 5% of the Hook and Line Rockfish TAC has been set aside for use as payment fish for research activities. The Pacific Biological Station, in consultation with the research subcommittee of the Groundfish Hook and Line Advisory Committee, will continue in 1998 with research charter vessel work that was initiated in 1997.

8. COMMERCIAL FISHING PLAN

8.1. Management Changes for 1998

8.1.1. 1998/99 Plan

This plan covers all groundfish caught by hook and line including rockfish (Category “ZN”) and Part II, Other Species, which includes lingcod, dogfish, sole and flounder, skate and Pacific cod and tuna. This plan is effective April 1, 1998 to March 31, 1999.

As the 1998/99 fishing plan for the Inside Gulf Rockfish Fishery (Inside Category “ZN”) has not yet been finalized, it will be added as an addendum to this plan at a later date.

8.1.2. Area 7 Rotational Closure

As a result of consultations with GHLC and departmental science staff, the Category “ZN” outside Area 7 rotational closure will no longer be in effect.

8.1.3. Cancellation of Fishing Trip

If a vessel decides not to fish after having made a Hail-out report, the vessel master must notify Archipelago Marine Research (1-800-663-7152) and make a Hail-in Report to indicate that no fishing occurred. The Hail-in report must be made no later than three days after making the Hail-out report.

8.1.4. Hook and Line Closure Prior to Halibut Opening

In order to maintain a fair and orderly opening for the 1999 Pacific Halibut fishery, and as a result of recommendations made by industry and discussions with hook and line advisory groups, there will be a 84 hour closure in three areas. See section 8.3.2 of this plan.

8.1.5. Sturgeon

In all tidal waters there is no retention of sturgeon.

8.2. Licensing

8.2.1. Licence Categories and Species

8.2.1.1. Category “ZN”

A category “ZN” licence is required for directed fishing by hook and line gear for rockfish species, longspine/shortspine thornyheads (idiots) and greenlings.

8.2.1.1.1. Licence Options

All Outside Category “ZN” vessels are required, prior to licence issuance, to choose one of three annual harvesting options. See section for 8.5.2. for more details.

8.2.1.1.2. Licence Amendments

In order to manage species by area and maintain control over bycatch provisions, **all** licence holders will be required to request amendments to their Category “ZN” licence prior to fishing. See section 8.5.3.5. for details.

8.2.1.1.3. Combined Halibut and Rockfish Fishing

For 1998, DFO will not allow the combination of the fishing privileges of the commercial Pacific halibut “L” and rockfish “ZN” licences.

Owners and masters of vessels which hold both a commercial Pacific halibut and a rockfish “ZN” fishing licence are reminded that, in 1998, all rockfish taken under the authority of the commercial “ZN” licence must be offloaded prior to commencement of any fishing activity under a halibut licence. This is an extension of the policy first employed in the 1994 halibut fishery.

8.2.1.2. Part II - Other Species

Fishing by hook and line gear for lingcod, dogfish, skate, sole and flounder, Pacific cod and tuna is permitted under the authority of any of the following vessel based licence categories A, B, C, G, K, L, R, S, T and W. A vessel licence entitles the vessel to participate in the fishery explicit to the licence (eg: A = salmon) as well as fishing by hook and line gear for lingcod, dogfish, skate, sole and flounder, Pacific cod and tuna. The relevant conditions are Part II, Other Species, of your vessel licence conditions.

8.2.2. Gear Type

Hook and Line.

8.2.3. IVQ Status

The Department has been consulting with industry regarding the implementation of Individual Quotas (IQs) in the Rockfish Hook and Line fishery. The Department has not yet made a final decision on implementation of IQs. Further consultation with industry and First Nations will be held in 1998.

8.3. Closures

The following areas will be closed April 1, 1998 to March 31, 1999.

8.3.1. Permanent Closures

8.3.1.1. Strait of Georgia

<u>Area/Subarea</u>	<u>Rationale for Closure</u>
13-4, 13-5 13-7	harbour area only closed easterly of boundary signs in Deepwater Bay. Holding area for salmon and herring.
14-11	harbour area
14-14	harbour area
16-3, 16-4	harbour area
17-7	harbour area
17-14	harbour area
17-20, 17-21	protect shallow water environment
18-8	harbour area
19-1	harbour area
19-6	protect shallow water environment
19-7 to 19-12	designated sport fishing area (open for dogfish only).
20-6, 20-7	harbour area
28 - All	designated sport fishing area
29-7 to 29-17	protect shallow water environment and Fraser River

8.3.1.2. Queen Charlottes

Queen Charlottes closed year-round in Subareas 2-1, 2-63 to 2-68 and those portions of Subarea 2-69 Hunter Point to Fame Point inside the 40 fm contour line. (CHS Chart 3869) The intent of the closure is to reduce harvesting pressure on localized stocks of fish and to provide improved access to food fish for the Aboriginal community.

8.3.1.3. Swiftsure

Portions of Subareas 121-1 and 121-2 inside a line connecting the following latitude and longitude co-ordinates: 48°34'N, 125°06'W thence to 48°34'N, 124°54.20'W thence to 48°29.62'N, 124°43.40'W thence following the international boundary to 48°29.30'N, 124°58'W thence in a straight line to the point of commencement.

8.3.2. Seasonal Closures

The following areas will be closed to all hook and line fishing for any species from 00:00 hours local time March 12, 1999 to 12:00 hours local time March 15th, 1999.

8.3.2.1. Langara Island

Waters inside a line from:	54°09.25'N	132°40'W (near Klashwun Point, Graham Island)
thence northerly to:	54°30'N	132°40'W
thence westerly to:	54°30'N	133°17.39'W on the Canada/U.S. boundary
thence southwesterly along the Canada/U.S. boundary to:	54°18.11'N	134°00'W
thence southerly to:	53°47'N	134°00'W
thence easterly to:	53°47'N	133°07.20'W (near Tian Head, Graham Island)

8.3.2.2. Cape St. James

Waters inside a line from:	52°11'N	131°22.16'W (Moresby Is. at southwest entrance to Flamingo Inlet)
thence westerly to:	52°10'N	131°30'W
thence southerly to:	51°30'N	131°30'W
thence easterly to:	51°30'N	130°00'W
thence northerly to:	52°10'N	130°00'W
thence westerly to:	52°13'N	131°00.30'W (Moresby Island near Garcin Rocks)

8.3.2.3. North Triangle

Waters inside a line from:	51°15'N	130°00'W
thence southerly to:	51°00'N	130°00'W
thence easterly to:	51°00'N	129°30'W
thence northerly to:	51°15'N	129°30'W

8.4. Category “ZN” Inside

8.4.1. Quotas and Open Times

8.4.1.1. Open Times

Subject to any closures outlined in this plan or any inseason adjustments, the Inside “ZN” fishery will be open from July 1, 1998 to January 15, 1999, or until the Total Allowable Catch (TAC) has been taken.

8.4.1.2. Permanent Closures

For permanent closures please see section 8.3.1.

8.4.1.3. Total Allowable Catch (tonnes)

Species	Quota (t)
Yelloweye	23
Quillback, Copper, China, Tiger (Aggregates 1&2)	130

8.4.1.4. Quota Management Area

The Strait of Georgia (SG) area includes:

Area 15, Subareas 12-1 to 12-13, 12-15 to 12-48, Subareas 13-1, 13-10, 13-12 to 13-26, 13-28 to 13-43, Subareas 14-1 to 14-10, 14-12, 14-13, 14-15, Subareas 16-1, 16-2, 16-5 to 16-22; Subareas 17-1 to 17-6, 17-8 to 17-13, 17-15 to 17-19, Subareas 18-1 to 18-7, 18-9 to 18-11; Subareas 19-2 to 19-5; Subareas 20-4 and 20-5; and Subareas 29-1 to 29-6.

8.4.1.5. Rockfish Aggregates

For 1998, all rockfish, with the exception of Yelloweye rockfish, shall be managed under the following rockfish aggregates:

<u>Aggregate</u>	<u>Species</u>
Aggregate 1	Quillback and Copper rockfish.
Aggregate 2	China and Tiger rockfish.
Aggregate 3	Canary and Silvergray rockfish.
Aggregate 4	Rougheye and Shortraker rockfish and Shortspine/Longspine Thornyheads (Idiots).
Aggregate 5	Pacific Ocean Perch, Yellowmouth and Redstripe rockfish.
Aggregate 6	Yellowtail, Black and Widow rockfish.
Aggregate 7	All other rockfish species (Sebastes sp.) excluding Yelloweye rockfish.

8.4.2. Rockfish Fishing Periods

To limit and help spread out effort, monthly “Fishing Periods” limits will be used.

8.4.2.1. Definition

A “Fishing Period” represents the dates that fishing and offloading of fish is permitted. All fish must be offloaded by the last day of the fishing period as stated on a licence or licence amendment. Any fish offloaded after the last day of a fishing period will count towards the next fishing period and be referred to enforcement personnel.

8.4.2.2. Selection of Fishing Periods

“Fishing periods” shall be determined by the Category “ZN” licence holder at the time of licence issuance. The first fishing period shall commence only between the 1st and 30th day of the month.

For example, if a licence holder selects the 14th day of the calendar month, the 14th of every month for the remainder of the fishing year shall be the commencement date of each fishing period for that vessel. In this example, the vessel's first fishing period is from April 14th to May 13th. The following period is from May 14th to June 13th and so on. **Once fishing periods have been set, they shall not change for the remainder of the year.**

8.4.2.3. Fishing Period Limits

- a) 1,500 pounds of Aggregate 1 per fishing period.
- b) 600 pounds of Aggregates 2 to 7 combined per fishing period.
- c) 2,500 pounds of Yelloweye rockfish per fishing period.
- d) an overage of each of the above fishing period limits (Aggregate 1, Aggregates 2 to 7 combined) up to a maximum of 10% per fishing period which shall be deducted from the vessel's succeeding fishing period limit. No overage on yelloweye is permitted.

When the 23 tonnes directed portion of the annual Yelloweye rockfish TAC is taken, the quantity of Yelloweye rockfish shall not exceed 20% of the total of Aggregate 1 per landing.

8.4.2.4. Averaging of Fishing Period Limits

As a means of reducing the discarding of rockfish upon attainment of fishing period limits, averaging will be in effect for **all** Category “ZN” licensed vessels. Overages of fishing period limits shall be deducted from the succeeding fishing period limits available to the vessel. Fisheries and Oceans Canada shall reconcile all overages through in-season amendments to the vessel's licence conditions. Overages of fishing period limits in excess of the permitted amount shall be relinquished.

- a) Vessels shall be permitted, as a condition of licence, to retain up to 10% over the permitted fishing period limit of Aggregate 1, and Aggregates 2 to 7 combined. No overage on yelloweye is permitted.

8.4.3. Catch and Fishing Data

8.4.3.1. Fish Slip Requirements

In an attempt to streamline data requirements, DFO is continuing with the pilot project for the Category “ZN” rockfish fishery which started in 1996. For 1998, any or all fish landed and recorded on a Category “ZN” Validation Record through the Dockside Monitoring Program, are not required to be submitted on a fish slip. The validation record shall be submitted to DFO, in place of the fish slip, by the certified observer upon completion of the offload.

For all other landings of groundfish, including rockfish taken as by-catch in other fisheries, the vessel master shall provide records, in the form commonly known as a fish slip.

8.4.3.2. Hook and Line Rockfish Logbook

It is a condition of licence that the vessel master is responsible for the provision and maintenance of a true record of daily fishing activities in a Hook and Line Rockfish Logbook. This information is necessary in order to assist with the biological assessment and management of the hook and line rockfish fishery.

This is a user pay program and the price of the logbook includes printing, database design, administration and data verification and entry, and will be shared equally by all licence holders whether licences are fished or not. Cost and order form information is available, upon request, from the Groundfish Management Unit.

Logbooks issued prior to 1994 shall no longer be valid. Refer to Category “ZN” Licence conditions for logbook requirements.

8.5. Category “ZN” Outside

8.5.1. Quotas and Open Times

8.5.1.1. Open Times

8.5.1.1.1. Outside Option A

<u>Area</u>	<u>Open Times</u>
QCI	April 1 until Aggregate 1 & 2 TAC is taken.
Prince Rupert	November 15 until Aggregate 1 & 2 TAC is taken.
Central Coast	November 15 until Aggregate 1 & 2 TAC is taken.
WCVI	April 15 until Aggregate 1 & 2 TAC is taken.

8.5.1.1.2. Outside Option B

<u>Area</u>	<u>Open Times</u>
QCI	April 1 until 50% of Yelloweye TAC is taken, reopen

Prince Rupert	for remaining quota November 15. April 1 until 50% of Yelloweye TAC is taken, reopen for remaining quota November 15.
Central Coast	April 1 until 50% of Yelloweye TAC is taken, reopen for remaining quota November 15.
WCVI	April 15 until yelloweye TAC is taken.

8.5.1.1.3. Outside Option C

<u>Area</u>	<u>Open Times</u>
QCI	April 1 until 80% of Aggregate 4 TAC is taken or Option B is closed, reopen for remaining quota November 15.
Prince Rupert	April 1 until 80% of Aggregate 4 TAC is taken or Option B is closed, reopen for remaining quota November 15.
Central Coast	April 1 until 80% of Aggregate 4 TAC is taken or Option B is closed, reopen for remaining quota November 15.
WCVI	April 15 until Yelloweye TAC is taken

8.5.1.2. Permanent Closures

For permanent closures please see section 8.3.1.

8.5.1.3. Seasonal Closures

In addition to the seasonal closures in section 8.3.2, the following seasonal closures will apply to “ZN” groundfish species.

8.5.1.3.1. West Coast Vancouver Island

Closed April 1, 1998 to April 14, 1998 and November 15, 1998 to March 31, 1999 in Areas 11, 21, 23 to 27, 111, 123 to 127 and Subareas 12-14, 20-1 to 20-4, 121-3, 130-1 and portions of Subareas 121-1 and 121-2.

8.5.1.4. Total Allowable Catch (tonnes)

<u>AREA</u>	<u>Species</u>	<u>Quota (t)</u>	<u>COASTWIDE</u>	<u>Quota (t)</u>
QCI	Yelloweye	117	Silvergrey	138
	AGG 1&2	38	Canary	74
			Rougheye	401
PR	Yelloweye	32	Shortraker	83
	AGG 1&2	51	Idiots (shortspine)	33
			Idiots (longspine)	39

CC	Yelloweye	99	Yellowmouth Yellowtail	36 10
	AGG 1&2	100		
SG	Yelloweye	23		
	AGG 1&2	130		
WCVI	Yelloweye	133		
	AGG 1&2	133		

8.5.1.5. Rockfish Quota Management Areas

<u>Location</u>	<u>Area</u>
(QCI) Queen Charlotte Islands:	Areas 1, 101, 102, 142 and Subareas 2-2 to 2-62, 2-70 to 2-100, 130-2 ,130-3 and portions of Subarea 2-69 from Hunter Point to Fame Point outside 40 fathoms.
(PR) Prince Rupert:	Areas 3 to 5 and 103 to 105.
(CC) Central Coast:	Areas 6 to 10, 106 to 110
(SG) Strait of Georgia:	Area 15, Subareas 12-1 to 12-13, 12-15 to 12-48, Subareas 13-1, 13-10, 13-12 to 13-26, 13-28 to 13-43, Subareas 14-1 to 14-10, 14-12, 14-13, 14-15, Subareas 16-1, 16-2, 16-5 to 16-22; Subareas 17-1 to 17-6, 17-8 to 17-13, 17-15 to 17-19, Subareas 18-1 to 18-7, 18-9 to 18-11; Subareas 19-2 to 19-5; Subareas 20-4 and 20-5; and Subareas 29-1 to 29-6.
(WCVI) West Coast Vancouver Island:	Areas 11, 21, 23 to 27, 111, 123 to 127 and Subareas 12-14, 20-1 to 20-3, 121-3, 130-1 and portions of Subareas 121-1 and 121-2 (Outside the Swiftsure Bank closed area).

8.5.1.6. Rockfish Aggregates

For 1998, all rockfish, with the exception of Yelloweye rockfish, shall be managed under the following rockfish aggregates:

<u>Aggregate</u>	<u>Species</u>
Aggregate 1	Quillback and Copper rockfish.
Aggregate 2	China and Tiger rockfish.
Aggregate 3	Canary and Silvergray rockfish.
Aggregate 4	Rougheye and Shortraker rockfish and Shortspine/Longspine Thornyheads (Idiots).
Aggregate 5	Pacific Ocean Perch, Yellowmouth and Redstripe rockfish.
Aggregate 6	Yellowtail, Black and Widow rockfish.
Aggregate 7	All other rockfish species (Sebastes sp.) excluding Yelloweye rockfish.

8.5.2. Licensing Options

All outside licensed Category “ZN” vessels shall be required, prior to licence issuance, to choose one of three **annual** harvesting options. These limits may be adjusted in-season. There is no limit to number of landings made per fishing period. Once a fishing option has been chosen, it shall not change for the remainder of the year.

8.5.2.1. Option A

- a) 2,500 pounds of Aggregate 1 per fishing period.
- b) 500 pounds of Aggregate 6 per fishing period.
- c) a quantity of Yelloweye rockfish not to exceed 35% of the total of Aggregate 1 **per landing.**
- d) a quantity of Aggregates 2 to 5 and 7 combined not to exceed 100% of the total of Aggregate 1 **per landing.**
- e) an overage of Aggregate 1 and 6 up to a maximum of 10% per fishing period which shall be deducted from the vessel's succeeding fishing period limit.

8.5.2.2. Option B

- a) 3,000 pounds of Yelloweye rockfish per fishing period.
- b) a quantity of Aggregate 1 not to exceed 20% of the Yelloweye rockfish **per landing.**
- c) a quantity of Aggregates 2 to 7 combined not to exceed 100% of the Yelloweye rockfish **per landing.**
- d) an overage of Yelloweye rockfish up to a maximum of 20% per fishing period which shall be deducted from the vessel's succeeding fishing period limit.

8.5.2.3. Option C

- a) 7,000 pounds of Aggregate 3 per fishing period.
- b) 20,000 pounds of Aggregate 4 per fishing period.
- c) 6,000 pounds of Aggregate 5 per fishing period.
- d) 15,000 pounds of Aggregates 6 and 7 per fishing period.
- e) a quantity of Aggregates 1, 2 and Yelloweye rockfish combined not to exceed 12% of the total round weight of Aggregates 3 and 5 to 7 combined **per landing.**
- f) an overage for each of the Aggregates 3 to 5 and, Aggregates 6 and 7 combined, up to a maximum of 20% per fishing period which shall be deducted from the vessel's succeeding fishing period limit.

8.5.3. Rockfish Fishing Periods

To limit effort and to help spread out effort throughout the fishing year, monthly “Fishing Periods” limits will be used.

8.5.3.1. Definition

A “Fishing Period” represents the dates that fishing and offloading of fish is permitted. All fish must be offloaded by the last day of the fishing period as stated on a licence or licence amendment. Any fish offloaded after the last day of a fishing period will count towards the next fishing period and be referred to enforcement personnel.

8.5.3.2. Selection of Fishing Periods

“Fishing periods” shall be determined by the Category “ZN” licence holder at the time of licence issuance. The first fishing period shall commence only between the 1st and 28th day of the month.

For example, if a licence holder selects the 14th day of the calendar month, the 14th of every month for the remainder of the fishing year shall be the commencement date of each fishing period for that vessel. In this example, the vessel's first fishing period is from April 14th to May 13th. The following period is from May 14th to June 13th and so on. **Once fishing periods have been set, they shall not change for the remainder of the year.**

8.5.3.3. Averaging of Fishing Period Limits

As a means of reducing the discarding of rockfish upon attainment of fishing period limits, averaging will be in effect for **all** Category “ZN” licensed vessels. Overages of fishing period limits shall be deducted from the succeeding fishing period limits available to the vessel. The Department shall reconcile all overages through in-season amendments to the vessel's licence conditions. Overages of fishing period limits in excess of the permitted amount shall be relinquished.

8.5.3.3.1. Option A

Vessels choosing Option A shall be permitted, as a condition of licence, to retain up to 10% over the permitted fishing period limit of Aggregate 1 and 6.

8.5.3.3.2. Option B

Vessels choosing Option B shall be permitted, as a condition of licence, to retain up to 20% over the permitted fishing period limit of Yelloweye rockfish.

8.5.3.3.3. Option C

Vessels choosing Option C shall be permitted, as a condition of licence, to retain up to 20% over the permitted fishing period limits for each of Aggregates 3 to 5, and of Aggregates 6 and 7 combined.

8.5.3.4. Changes to Fishing Period Limits, Trip Limits and Implementing Closures

As the season progresses and allocated target catches/annual quotas reach attainment or conservation concerns arise, the Department may vary fishing period limits and trip limits or institute area or species closures at any time.

Rockfish closures shall be implemented by two methods:

- a) Licence Conditions: Vessels may be restricted from fishing in an area via licence conditions. It is imperative that vessel masters read each licence amendment received carefully to determine what areas are permitted to be fished.
- b) Variation Orders: A variation order closes an area to all rockfish fishing by hook and line gear. This action supercedes licence conditions.

The industry shall be notified of closures via one or more of the following means: Fisheries Public Notices posted in Department of Fisheries and Oceans offices; amended licence conditions; faxed Notices to Industry; or recorded broadcasts over Canadian Coast Guard weather information channels. In addition, a 24 hour activity information line may be accessed at (604) 666-5634. Fishermen are urged to contact the Department of Fisheries and Oceans, prior to fishing, in order to determine management actions in effect.

8.5.3.5. Licence Amendments

Conditions of the Category “ZN” licence shall identify what quantities of fish a vessel is permitted to harvest and where the vessel is permitted to fish.

In order to accommodate individual vessel's fishing periods and in order to maintain in-season control of fishing period limits, **all** licence holders or vessel masters are required to request an amendment prior to commencing the first rockfish trip of each fishing period.

It is the responsibility of the licence holder or designated representative to request amended Category “ZN” licence conditions from the Department, when necessary.

A form for this purpose, entitled *Request for Category “ZN” Licence Amendment*, is available from a DFO-certified observer or from the Groundfish Management Unit (GMU). This request for amendment shall be requested from the GMU, by fax (604) 666-8525. Licence amendments are available Monday to Friday from 8:00 a.m. to 4:00 p.m.

Licence holders wishing to designate an agent or agents (e.g. skipper or crew member) to request licence condition amendments shall do so by completing and submitting a Designation form to the GMU.

It is the responsibility of the Vessel Master to ensure that all licences including a current licence amendment is on board the vessel while it is engaged in fishing. Licence amendments will not be issued to vessels while they are at-sea.

8.5.4. Catch and Fishing Data

8.5.4.1. Fish Slip Requirements

In an attempt to streamline data requirements, the Department is continuing with the pilot project for the Category “ZN” rockfish fishery which started in 1996. For 1998, any or all fish landed and recorded on a Category “ZN” Validation Record through the Dockside Monitoring Program, are not required to be submitted on a fish slip. The validation record shall be submitted to DFO, in place of the fish slip, by the certified observer upon completion of the offload.

For all other landings of groundfish, including rockfish taken as by-catch in other fisheries, the vessel master shall provide records, in the form commonly known as a fish slip.

8.5.4.2. Hook and Line Rockfish Logbook

It is a condition of licence that the vessel master is responsible for the provision and maintenance of a true record of daily fishing activities in a Hook and Line Rockfish Logbook. This information is necessary in order to assist with the biological assessment and management of the hook and line rockfish fishery.

This is a user pay program and the price of the logbook includes printing, database design, administration and data verification and entry, and will be shared equally by all licence holders whether licences are fished or not. Cost and order form information is available, upon request, from the Groundfish Management Unit.

Logbooks issued prior to 1994 shall no longer be valid. Refer to Category “ZN” Licence conditions for logbook requirements.

8.6. Part II - Other Species

8.6.1. Quota Management Areas

<u>Location</u>	<u>Area</u>
3C	Areas 21, 23, 24, 121, 123, 124 and Subarea 125-6.
3D	Areas 25, 26, 126, and Subareas 27-2 to 27-11, 125-1 to 125-5, 127-1 and 127-2.

4B	Areas 12 to 20, 28 and 29.
5A	Areas 11, 111 and Subareas 27-1, 127-3, 127-4 and 130-1.
5B	Areas 7 to 10, 108 to 110 and Subareas 102-3, 107-2, 107-3, 130-2 and 130-3.
5C	Areas 6, 106 and Subareas 2-1 to 2-19, 102-2 and 105-2 and 107-1.
5D	Areas 3 to 5, 103, 104 and Subareas 1-2 to 1-5 and 101-4 to 101-10, 102-1 and 105-1.
5E	Area 142 and Subareas 1-1 and 2-31 to 2-100 and 101-1 to 101-3.

8.6.2. Lingcod

8.6.2.1. Open Times

With the exception of those seasonal and permanent closures noted in this plan, the lingcod fishery will be open from April 1, 1998 to March 31, 1999, or until the Total Allowable Catch has been taken.

8.6.2.2. Permanent Closures

With the addition of the permanent closures in section 8.3.1, the following areas will be closed April 1, 1998 to March 31, 1999.

8.6.2.2.1. Strait of Georgia

Closed year-round to all commercial fishing in Areas and Subareas 12-1 to 12-6, 12-8, 12-11, 12-12, 12-15 to 12-48, 13 to 19, 20-5 to 20-7, 28 and 29.

Closed April 1, 1998 to June 14, 1998 and November 15, 1998 to March 31, 1999 in Subareas 12-7, 12-9, 12-10 and 12-13.

8.6.2.3. Seasonal Closure

With the addition of the seasonal closures in section 8.3.2, the following areas will be closed.

8.6.2.3.1. West Coast Vancouver Island

Closed April 1, 1998 to April 14, 1998 and November 15, 1998 to March 31, 1999 in Areas 11, 21, 23 to 27, 111, 123 to 127 and Subareas 12-14, 20-1 to 20-4, 121-3, 130-1 and portions of Subareas 121-1 and 121-2.

8.6.2.4. Total Allowable Catch (tonnes)

<u>Area</u>	<u>Quota (t)</u>
3C	150

3D	180
5AB	200
5CDE	420

8.6.2.5. Catch Limits

15,000 pound limit per calendar month per vessel.

8.6.2.6. Size Limits

Head-on: not less than 65 cm in length, measured from the tip of the nose to the tip of the tail.

Head-off: not less than 50 cm in length, measured along the shortest length of the body to the tip of the tail.

8.6.2.7. Catch and Fishing Data

Dockside monitoring is mandatory for this fishery. See section 8.8 for details.

8.6.3. Dogfish

8.6.3.1. Open Times

With the exception of those seasonal and permanent closures noted in this plan, the dogfish fishery will be open from April 1, 1998 to March 31, 1999, or until the Total Allowable Catch has been taken.

8.6.3.2. Permanent Closures

For permanent closures please see section 8.3.1.

8.6.3.3. Total Allowable Catch (tonnes)

<u>Area</u>	<u>Quota (t)</u>
4B	3,400
Coastwide (excl. 4B)	8,100

8.6.3.4. Catch Limit

There is no limit on the quantity of dogfish permitted to be taken.

8.6.3.5. By-catch

A by-catch of rockfish (any species) shall be permitted, when fishing for and retaining spiny dogfish, which shall not exceed 1% by round weight of the total

round weight of spiny dogfish on board the vessel at any time. This by-catch only applies to those Subareas in Areas 12 to 20 and 29 open to dogfish fishing.

8.6.3.6. Catch and Fishing Data

Dockside monitoring is mandatory for this fishery. See section 8.8 for details.

8.6.4. Pacific Cod, Skate, Sole and Flounder

8.6.4.1. Open Times

With the exception of those seasonal and permanent closures noted in this plan, the Pacific cod, skate, sole and flounder fishery will be open from April 1, 1998 to March 31, 1999.

8.6.4.2. Permanent Closures

For permanent closures please see section 8.3.1.

8.6.4.3. Catch Limits

100 pounds round weight of Pacific cod may be landed per landing per vessel. There is no limit on the quantity of skate and sole and flounder that is permitted to be taken.

8.6.4.4. Catch and Fishing Data

Dockside monitoring is mandatory for this fishery. See section 8.8 for details.

8.6.5. Tuna

8.6.5.1. Open Times

With the exception of those seasonal and permanent closures noted in this plan, the tuna fishery will be open from April 1, 1998 to March 31, 1999.

8.6.5.2. Permanent Closures

For permanent closures please see section 8.3.1.

8.6.5.3. Notification of Intent to Fish for Tuna

Any fishermen intending to fish for albacore tuna during the 1998 season is requested to notify DFO at (604) 666-5865 of their intentions prior to the start of the fishery.

8.6.5.4. Fishing in Waters of the Pacific Ocean Outside of Canadian Fishing Waters

Any vessel eligible to fish for Tuna in Canadian waters is entitled to fish on the high seas of the Pacific Ocean and within U.S. waters (under the auspices of the Canada/U.S. Tuna treaty subject to the approval of U.S. Officials).

Under the treaty each country is required to submit a list of its tuna vessels for approval prior to those vessels beginning fishing operations. Vessels not on this list risk prosecution. It is the Canadian fishers' responsibility to ensure they are on the 1998 list of Canadian vessels to be submitted to U.S. authorities for clearance to fish for albacore tuna, and/or to enter the ports indicated below to sell their catch.

Canadian fishermen wishing to fish in U.S. waters must call DFO at (604) 666-5865 and provide the following information at least 48 hrs prior to their planned entry to U.S. Waters:

- a) Vessel name.
- b) Home port.
- c) CFV #.
- d) Registration #.
- e) Vessel radio call sign.
- f) Captain or Operators name.

The tuna treaty sets out six U.S. Ports which are open for Canadian vessels to unload, sell or tranship their tuna catch, purchase fuel, obtain supplies and other services. The six U.S. Treaty ports are Astoria OR; Coos Bay OR; Newport OR; Bellingham WA; Westport WA; or Eureka CA.

While in the U.S. fishing zone, Canadian vessels must display, in contrasting colours at least 12 inches high, both the vessel name and CFV number so that they are clearly visible to both aircraft and surface vessels. Canadian vessels are not required to inform U.S. authorities when entering and exiting the U.S. Zone. However, when operating in U.S. waters, Canadian vessels are subject to all applicable U.S. Laws. Vessels wishing to enter port are required to clear with U.S. Customs and are reminded of the requirement that sanitary facilities must be closed off prior to entry to any U.S. Port.

8.6.5.5. Catch and Fishery Data

All vessels are required to keep an accurate fishing log while fishing for albacore tuna in any waters. Log records must be made available for inspection on demand by officials of either country.

Additional logbooks are available free of charge from the Groundfish Management Unit by calling (604) 666-5865.

8.7. Relinquishments

When a fishing period monthly limit, or per landing limit overage is determined, the following procedure shall apply:

- a) The proceeds from quantities in excess of the permitted overage shall be relinquished.
- b) The quantity of fish relinquished shall be a stated percentage of all the fish of that species or species grouping validated and the value of that relinquished fish shall be the same percentage of the total value of the species or species grouping.
- c) The proceeds from fishing period limit overages shall be relinquished by completion of a Relinquishment of Claim form provided and completed by the DFO certified observer.

8.8. Dockside Monitoring Program

Dockside monitoring is an integral part of fisheries management. Concerns regarding misreporting and lack of timely in-season management information prompted the Department, through consultation with the Groundfish Hook and Line Advisory Committee, to implement a comprehensive dockside monitoring program (DMP) for Category “ZN” licence holders in 1995. This program was successful in addressing the above concerns and the program has expanded to include all groundfish, except when these species landed in conjunction with salmon, with the exception of tuna.

The primary objective of this mandatory DMP is to conserve and protect the rockfish and groundfish resources off the coast of British Columbia, to achieve the goals of the 1998 Groundfish Hook and Line Management Plan, to foster stability in the west coast groundfish industry, and to improve the information used in quota management and stock assessment.

All Category “ZN” licensed vessels shall have all fish caught under the authority of the Category “ZN” licence (rockfish, longspine/shortspine thornyheads and greenlings) validated to ensure proper sorting and enumeration by species.

All vessels fishing under a Part II Other Species Licence Conditions, shall have all spiny dogfish, lingcod, Pacific cod, sole and flounder and skate validated to ensure proper sorting and enumeration (except when these species are caught and landed in conjunction with salmon).

Archipelago Marine Research Ltd (AMR) is the designated contractor for this program and will provide observers certified by DFO.

A DFO-certified observer will be guaranteed when a minimum 24 hours advance notice of landing is given. All requests for observer services which provide less than 24 hours advance notice are handled as quickly as possible. Vessel masters are urged to provide as much

advance notice as practical in order to avoid delays. Refer to 1998 licence conditions for full details on these requirements.

All fish shall be weighed on a scale approved by Industry Canada (Consumer and Corporate Affairs Canada).

8.9. Designated Landing Locations

Vessels landing rockfish, greenlings, spiny dogfish, lingcod, Pacific cod, sole and flounder and skate (with the exception of when these species are caught and landed in conjunction with salmon), shall land and offload only at the following designated locations, subject to licence conditions:

8.9.1. In Canada

Ahousat	Kyuquot	Queen Charlotte City
Alert Bay	Lund	Sayward
Beaver Cove	Masset	Shearwater
Bella Bella	Nanaimo	Sidney
Campbell River	Port Alberni	Sointula
Chemainus	Port Edward	Sooke
Coal Harbour	Port Hardy	Tofino
Comox	Port McNeil	Ucluelet
Courtenay	Port Renfrew	Vancouver (Greater)
Cowichan Bay	Powell River	Victoria (Greater)
French Creek	Prince Rupert	Winter Harbour
Gold River	Quadra Island	Zeballos

8.9.2. In United States

Bellingham
Blaine

8.10. Conversion Factors

To facilitate the conversion of product weight to round weight for the purposes of monitoring annual quotas, fishing period limits and trip limits, the Department shall set conversion factors and ice/slime and glaze allowances. Indicated below are the factors and allowances which shall be used at the commencement of the 1998 fishery. As changes may be made in-season, conditions of licence are the final authority and should be referenced to determine what factors and allowances are in effect at any time.

Licence holders may request to use different conversion factors or ice/glaze allowances which are more applicable to their operation. If this is requested, a quantity of fish, as directed by the Department, shall be supplied at no charge. Testing shall be conducted by the Department and/or contract personnel and licence conditions amended to reflect the results. Further testing may be required in-season to verify the continued appropriateness of the amended factors.

<u>Species</u>	<u>Frozen</u>		<u>Fresh</u>	
All groundfish	round 4% glaze allowance	0.96	round 2% ice / slime allowance	0.98
"Live" fish	not applicable		3% shrinkage allowance	0.97
Rockfish/Idiots	Japanese cut	1.54	Japanese cut	1.57
	Western cut	1.48	Western cut	1.51
	Head-on	1.13	Head-on	1.16
Lingcod	Japanese cut	1.60	Japanese cut	1.64
	Western cut	1.33	Western cut	1.36
	Head-on	1.08	Head-on	1.11
Dogfish	Head-on	1.20	Head-on	1.25
	Head-off	1.75	Head-off	1.82
Pacific Cod	Japanese cut	1.48	Japanese cut	1.51
	Western cut	1.26	Western cut	1.28
	Head-on	1.08	Head-on	1.11
Soles	Head-off	1.60	Head-off	1.64
	Head-on	1.20	Head-on	1.22
Skate	Flap / Wing	2.32	Flap / Wing	2.45

All of the above conversion factors for dressed fish include a 2% (two percent) ice and slime allowance for fresh product and a 4% (four percent) glaze allowance for frozen product.

8.11. General Announcements

8.11.1. Notice to Category “ZN” Licence Holders

Category “ZN” licence holders are advised that rockfish catch history in the years 1993 to 1998 will not be considered for determining any form of future vessel allocations.

This action is taken to reduce speculative fishing in the industry while long term direction is determined.

8.11.2. Notice to Part II, Other Species Licence Holders

8.11.2.1. Directed Longlining For Lingcod

Industry is advised that the Department, in response to consultation with GHLAC is proposing a regulation change that would prohibit directed longlining for lingcod. It is anticipated that this prohibition will be in effect for the 1999 fishing year.

8.11.2.2. Lingcod Catch History

Lingcod catch history from 1995 to 1998 will not be considered for determining any form of future vessel catch allocations. This action is taken to reduce speculative fishing in the industry while long term direction is determined. Long term direction in this fishery will be formulated through extensive industry consultation.

8.11.2.3. Groundfish Hook and Line

The following notice was given March 21, 1991: "DFO advises against any new entrants participating in the groundfish hook and line fishery in 1991 and subsequent years".

9. GROUND FISH HOOK AND LINE ADVISORY COMMITTEE

<u>Name</u>	<u>Address</u>	<u>Phone</u>	<u>Fax</u>
Elected "ZN" Representatives Inside			
Valentyn De Leeuw (Inside "ZN")	South Island Live Harvesters Association 4021 Cambrai Road Duncan, B.C. V9L 1N9	(250) 746-8987	(250) 746-8997
John Ford (Inside "ZN")	P.O. Box 1444 Qualicum Beach, B.C. V9K 1T4	(250) 752-2090	(250) 752-6111
Ian Nadeau (Inside "ZN")	Box 3823 Courtenay, B.C. V9N 7P2	(250) 338-1778	Phone/Fax
Wayne Walker (Inside "ZN")	Gulf "ZN" Fishermen's Assoc. Box 632 Quathiaski Cove, B.C. V0P 1N0	(250) 285-3564	(250) 285-3618
Elected "ZN" Representatives Inside Outside			
Wes Erikson	Pacific Coast Fishing Vessel	(250) 334-9943	(250) 338-2392

<u>Name</u>	<u>Address</u>	<u>Phone</u>	<u>Fax</u>
(Outside "ZN")	Owner's Guild RR #2, C-6, Site 214 Courtenay, B.C. V9N 5M9		
Henry Heggelund (Outside "ZN")	Pacific Blackcod Fishermen's Association P.O. Box 476 Sooke, B.C. V0S 1N0	(250) 642-3316	Phone/Fax
John Koolman (Outside "ZN")	Hook and Line Groundfish Assosiation 2286 Henlym Drive, RR#3 Sooke, B.C. V0S 1N0	(250) 642-4770	(250) 642-4902
Doug Mavin (Outside "ZN")	Pacific Longline Fishermen's Association 935 Ambrose Avenue Prince Rupert, B.C. V8J 2C5	(250) 624-8009	Phone/Fax
Lawrence Paulson (Outside "ZN")	165 Crestview Drive Prince Rupert, B.C. V8J 2V3	(250) 624-9250	(250) 624-3886
Herb van Grootel (Outside "ZN")	41 - 50 th Street Delta, B.C. V4M 2S5	(604) 948-2831 (604) 948-2731	(604) 948-2741

Appointed Members

Reg Clark (Dogfish)	2655 Clarke Road Sooke, B.C. V0S 1N0	(250) 642-4298	Phone/Fax
David Healey (Lingcod)	563 St. Andrews Road Qualicum Beach, B.C. V9K 1L5	(250) 752-7022	Phone/Fax
Ray Bewza (UFAWU)	Box 40, Coal Harbour, B.C. V0N 1K0	(250) 949-8680	(250) 949-7417
Andy Amos (NTC)	Nuu-Chah-Nulth Tribal Council P.O. Box 1383 Port Alberni, B.C. V9Y 7M2	(250) 724-1585	(250) 724-2172
Mike Hamer	Kelsey Fishing Co.	(250) 754-4580	(250) 754-7618

<u>Name</u>	<u>Address</u>	<u>Phone</u>	<u>Fax</u>
(Buyer)	2645 E. Wellington Rd. Nanaimo, B.C. V9R 5K3		
Dick Henderson (Buyer)	Dick Henderson Fish Company Box 1947 Port Hardy, B.C. V0N 2P0	(250) 949-7551	(250) 949 6761

Province Of British Columbia

Phil Young	Ministry of Agriculture, Fish & Food Aquaculture & Comm. Fish. Br. Windsor Court 808 Douglas Street Victoria, B.C. V8W 2Z7	(250) 356-7642	(250) 356-7280
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Archipelago Marine Research

Greg Clapp	#200 - 525 Head St. (2 nd Floor) Victoria, B.C. V9A 5S1	(250) 383-4535	(250) 383-0103
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10. ENQUIRIES

Please direct all written correspondence to:

Hook and Line Co-ordinator
Fisheries and Oceans Canada
Suite 460, 555 West Hastings Street
Vancouver, B.C., V6B 5G3
Fax: (604) 666-8525

11. ATTACHMENTS

Figure 1: Areas of Catch, Southern Half

Figure 2: Areas of Catch, Northern Half

READ CAREFULLY

1. Reporting of all catches to the Dept. of Fisheries and Oceans is the responsibility of the fisherman and a condition of licence renewal.
2. Accurate catch reports must include the map number or numbers showing the area in which your fish were caught.
3. The statistical areas shown on this map are to be used as a guide only. For more exact information refer to the Pacific Fishery Management Area Regulations.

• Dept. of Fisheries and Oceans Office
 — Statistical areas are divided by red lines
 — Surfline

Note: All areas revised February 1985

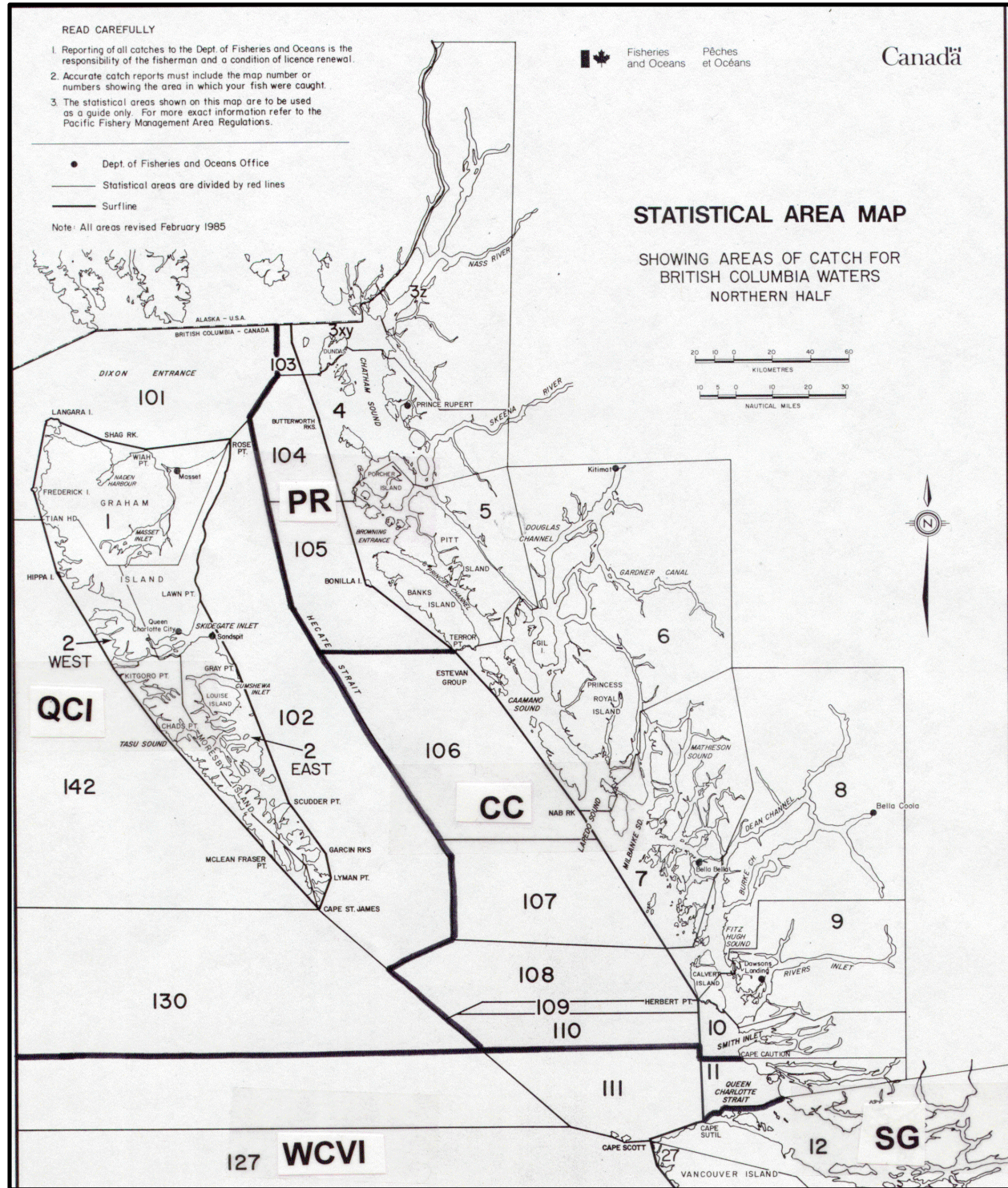
Canada
 Pêches
 et Océans
 Fisheries
 and Oceans

STATISTICAL AREA MAP

SHOWING AREAS OF CATCH FOR BRITISH COLUMBIA WATERS SOUTHERN HALF

WCVI

Figure 2: Areas of Catch, Northern Half



CONDITIONS OF 1998 OUTSIDE ROCKFISH HOOK AND LINE LICENCE Option A

Pursuant to subsection 22 (1) of the *Fishery (General) Regulations*, and for the proper management and control of fisheries, the following conditions are specified for this 1998 commercial fishing licence:

1. Definitions:

“Aggregate 1” means the following rockfish species in any combination: Quillback and Copper;

“Aggregate 2” means the following rockfish species in any combination: China and Tiger;

“Aggregate 3” means the following rockfish species in any combination: Canary and Silvergray;

“Aggregate 4” means Rougheye and Shortraker rockfish and Idiots in any combination;

“Aggregate 5” means the following rockfish species in any combination: Pacific Ocean Perch, Yellowmouth and Redstripe;

“Aggregate 6” means the following rockfish species in any combination: Yellowtail, Black and Widow;

“Aggregate 7” means any combination of any rockfish species other than Yelloweye rockfish and other than those species contained in Aggregates 1, 2, 3, 4, 5 and 6;

“container” means a bag, box, tray, tote, frozen block or anything that contains fish but not including a fish pen;

“designated representative” means Archipelago Marine Research Ltd. of Victoria, B.C. representing Fisheries and Oceans Canada;

It is the responsibility of the individual fisher to be informed of, and comply with, the Fisheries Act and the Regulations made thereunder, in addition to these Conditions. For information on management of the rockfish by Hook & Line fishery, obtain a copy of the 1998/99 Groundfish by Hook & Line Management Plan from a Fisheries and Oceans Commercial Licensing Office.

“fish pen” means an enclosure, attached to the shore of the land or to the seabed, designed to hold live fish. The fish enclosed in the fish pen shall only be from the vessel designated in this licence;

“Idiots” means the species of Thornyheads listed under the heading “Rockfish/Thornyheads in Appendix 1;

“landed” means having offloaded the catch onto land;

“landing” means the offloading of the catch onto land;

“Management area”, “Area” and “Subarea” have the same meanings as in the *Pacific Fishery Management Area Regulations*;

“observer” means a person designated by the Regional Director-General to carry out duties described in section 39(2) of the *Fishery (General) Regulations*; and

“rockfish” means the species listed under the heading “Rockfish/Thornyheads in Appendix 1.

2. Species of fish that are permitted to be taken:

Rockfish (*Sebastes sp.*) and Longspine/Shortspine Thornyheads (*Sebastolobus sp.*) listed in Appendix 1 and Greenlings (*Hexagrammos sp.*).

3. The waters in which fishing is permitted to be carried out:

Areas 1, 3 to 11, 21, 23 to 27, 101 to 111, 123 to 127, 130, 142 and Subareas 2- 2 to 2-62, those portions of Subarea 2-69 Hunter Point to Fame Point seaward of 40 fm contour line as shown on CHS Chart, 2-70 to 2-100, 12-14, 20-1 to 20-3, 121-3, and portions of 121-1 and 121-2 (outside the Swiftsure Bank closed area). Areas and Subareas are described in the *Pacific Fishery Management Area Regulations*.

4. Quantities of fish (in round weight) that are permitted to be taken:

Zero

An amendment to this section must be requested and received prior to fishing. See the 1998 Groundfish by Hook & Line plan for details.

5. Type of fishing gear permitted to be used:

Longline and trolling gear.

6. Transport and transshipment requirements:

All rockfish, idiots and greenlings shall be transported by the vessel name in the attached licence:

- (1) to land; or
- (2) to a fish pen prior to transporting to land.

7. Requirement for the licence holder to report information prior to the commencement of a trip:

(1) Hail-out Report

When intending to fish, the vessel master shall report the following information (hereinafter referred to as a Hail-out Report) to the designated representative prior to commencement of fishing by calling 1-800-663-7152 (toll free; 24 hours per day; seven days a week):

- (a) name of the vessel;
- (b) name of the vessel master;
- (c) vessel registration number (CFV #);
- (d) harvesting option (A, B or C);
- (e) date of commencement of fishing;
- (f) Subareas to be fished; and
- (g) anticipated landing date, location and name of fish buyer.

(2) Cancellation of Fishing Trip

Should the vessel master decide not to fish after having made a Hail-out report, the vessel master shall notify the designated representative (1-800-663-7152) and make a Hail-in Report to indicate that no fishing occurred. The Hail-in report shall be made no later than three days after making the Hail-out report.

8. Requirement for the vessel master to report information from sea:

- (1) Subject to subsection 8(2), the vessel master shall report the following information (hereinafter referred to as a Hail-in Report) to the designated representative as soon as fishing ceases by calling 1-800-663-7152 (toll free; 24 hours per day; seven days per week.)

- (a) name of the vessel;
- (b) name of the vessel master;
- (c) vessel registration number (CFV #);
- (d) date, time and location of landing of the fish;
- (e) location where fish are to be landed;

- (f) estimated round weight in pounds of each species taken; and
 - (g) Subareas fished.
- (2) A Hail-in Report is not required at the time fish are placed into a fish pen for storage purposes. The vessel master shall Hail-in prior to the landing of any of these species which were stored in a fish pen.

9. Records that the vessel master shall keep:

(1) Harvest Logbook

- (a) The vessel master is responsible for the provision and maintenance of a true record of daily fishing activities in the Hook and Line Rockfish Logbook (hereinafter referred to as the “logbook”).
- (b) Subject to subsection 9(1)(d), the logbook shall be completed and submitted in both hard copy (paper) and electronic copy. Logbooks which meet the requirements of Fisheries and Oceans Canada are available for purchase from J.O. Thomas & Associates Ltd. who will provide both the logbook and the keypunch service, thus complying with the requirements for a hard copy and an electronic copy.
- (c) The vessel master shall keep a record of all fishing activity carried out under authority of this licence in this logbook, subject to the following:
 - 1. the record shall be kept in the manner set out in the logbook as described in Appendix 2 and shall be complete;
 - 2. the information shall be recorded in the logbook by midnight on each day fished;
 - 3. the logbook shall be kept on board the vessel at all times and shall be made available for inspection upon request of an observer or a fishery officer;
 - 4. subject to subsection 9(1)(c)(5), completed original logbook pages shall be provided to the observer or a fishery officer attending the landing of the fish, or shall be forwarded, within seven (7) days of landing to:

Fisheries and Oceans Canada
c/o J.O. Thomas & Associates Ltd.
Kootenay Street
Vancouver, B.C. V5K 4R1

5. vessels which are day fishing shall forward completed **original** logbook pages, upon completion of each logbook page or at thirty (30) day intervals (whichever is first) to the address indicated in subsection 9(1)(c)(4);
 6. the vessel master shall ensure that the logbook is available for use, prior to fishing, and that sufficient pages are available to cover any fishing trip.
- (d) As an alternative to the requirements of paragraph (b) above, the vessel master shall provide a completed hard copy (paper) logbook in the same format as the logbook described in Appendix 2. The vessel master shall also provide an electronic copy which shall be an ASCII file and DOS compatible on a 3½ inch or 5¼ inch disk. Disks shall remain the property of Fisheries and Oceans Canada. Both the hard copy and electronic copy of the logbook shall be forwarded to the address indicated in subsection 9(1)(c)(4) above within seven (7) days of each landing.

(2) Validation Record Book

- (a) A “ZN” rockfish validation record book shall be obtained from the designated representative. The validation record book shall be kept on board the vessel at all times and shall be made available for inspection and use upon request of an observer.
- (b) At the completion of each landing, an observer shall enter information, regarding the landing, in the “ZN” rockfish validation record book including the weight and species of fish landed. The vessel master shall sign and date each original validation record page as directed by the observer. The original validation record page shall be removed and retained by the observer or fishery officer.

10. Location permitted for landing of fish:

- (1) Subject to subsection 10(2), all fish shall be landed at a fish buying station licensed under the Province of British Columbia Fisheries Act, except:
 - (a) fish sold directly to the public under authority of a fisher’s vending licence issued under the Province of British Columbia Fisheries Act; or
 - (b) fish landed in the United States.

- (2) Subject to subsection 10(1), all fish shall be landed at one of the following locations:

In Canada:

Ahousast	Kyuquot	Queen Charlotte City
Alert Bay	Lund	Sayward
Beaver Cove	Masset	Shearwater
Bella Bella	Nanaimo	Sidney
Campbell River	Port Alberni	Sointula
Chemainus	Port Edward	Sooke
Coal Harbour	Port Hardy	Tofino
Comox	Port McNeil	Ucluelet
Courtenay	Port Renfrew	Greater Vancouver
Cowichan Bay	Powell River	Greater Victoria
French Creek	Prince Rupert	Winter Harbour
Gold River	Quadra Island	Zeballos

In the United States:

Blaine WA Bellingham WA

- (3) All fish caught under the authority of this licence shall be landed no later than ten days after the area has been closed to fishing. This includes all fish that have been temporarily stored in a fish pen.

11. Method permitted for landing of fish from the vessel and verification of weight and species of fish caught and retained:

- (1) All fish on board the vessel shall be landed at the same time.
- (2) The vessel master shall provide access to the vessel's fish holds, freezers and other fish storage areas, including any fish pens, to the observer verifying the landing at any time during the landing or at the conclusion of the landing.
- (3) The landing of any fish shall not be permitted unless authorized by an observer.
- (4) The weight of all fish shall be verified by an observer.
- (5) When fish are retained live, they may be placed directly into a fish pen by the vessel named in the attached licence. Any fish, live or dead, removed from this fish pen and transported to land shall be transported to land by the vessel named in this licence. Once transported to land from a fish pen, the fish are subject to the requirements of subsections 11(3) and 11(4).

- (6) All fish taken under the authority of this licence shall be landed prior to the vessel fishing under the authority of a halibut licence.

12. Method by which the weight of the fish is to be determined:

- (1) At the time and place of landing and where fish **are not placed in containers** prior to landing and are not frozen at-sea or are not kept alive, the following steps shall be carried out in the presence of an observer:
- (a) All yelloweye rockfish and greenlings shall be sorted and weighed by individual species;
 - (b) species comprising Aggregates 1, 2 and 6 shall be sorted and weighed by each Aggregate or shall be sorted and weighed by individual species;
 - (c) species comprising Aggregates 3, 4, 5 and 7 shall be sorted and weighed as one aggregate, or shall be sorted and weighed by a combination of one or more of the Aggregates and individual species, or shall be sorted and weighed by individual species;
 - (d) when more than one species of rockfish are intermixed as described above, a subsample of no less than 10% (ten per cent) of the weight of the intermixed fish shall be taken, and shall be accurately sorted and weighed by individual species;
 - (e) if fish are to be placed into totes or other containers at the time of landing, each tote or container shall be weighed with ice, liners, etc. and labelled with the tote weight prior to use;
 - (f) totes or other containers that have been weighed and labelled before the landing are subject to weight verification at any time by an observer; and
 - (g) if fish are transported directly from the vessel across an in-line scale (e.g., automated hopper) then the weight recorded shall be the net weight.
- (2) Where fish are placed in containers prior to landing and are not frozen at-sea:
- (a) each container shall contain either one species or two or more species of the same Aggregate as defined;
 - (b) each container shall be clearly marked as to the species or Aggregate contained therein;
 - (c) all containers shall be accurately weighed; and
 - (d) a sample, of no less than 15% (fifteen per cent) of each type of container shall be taken, as directed by an observer. The containers shall be emptied and the contents sorted where necessary and weighed by individual species.
- (3) Where fish are placed in containers prior to landing and are frozen at-sea:
- (a) each container shall contain only one species;
 - (b) each container shall be clearly marked as to the species contained therein;
 - (c) all containers shall be accurately weighed; and

- (d) a sample, of no less than 15% (fifteen per cent) of each type of container shall be taken, as directed by an observer. The containers shall be emptied and the contents sorted where necessary and weighed by individual species.
- (4) Where fish are kept alive prior to landing:
- (a) yelloweye rockfish and greenlings shall be sorted and weighed by individual species;
 - (b) species comprising Aggregates 1, 2 and 6 shall be sorted and weighed by each Aggregate or shall be sorted and weighed by individual species;
 - (c) species comprising Aggregates 3, 4, 5 and 7 shall be sorted and weighed as one aggregate, or shall be sorted and weighed by a combination of one or more of the Aggregates and individual species, or shall be sorted and weighed by individual species; and
 - (d) when more than one species of rockfish are intermixed as described above, a subsample of no less than 10% (ten per cent) of the weight of the intermixed fish shall be taken, and shall be accurately sorted and weighed by individual species.
- (5) All fish shall be weighed on a scale approved, in the case of fish landed in Canada, by Industry Canada, and in the case of fish landed in the United States, by the State of Washington Weights and Measures.
- (6) All fish weights shall be determined on the basis of net weights by deducting the weight of the container and the ice/slime, glaze or shrinkage allowance.
- (7) The following conversion factors shall be used to calculate net round weights:

Round - live	0.97		
Round - fresh	0.98	Round - frozen	0.96
Japanese cut - fresh	1.57	Japanese cut - frozen	1.54
Western cut - fresh	1.51	Western cut - frozen	1.48
dressed head-on -fresh	1.16	dressed head-on - frozen	1.13

All of the above conversion factors for dressed fish **include** a 2% (two per cent) ice/slime allowance for fresh product and a 4% (four per cent) glaze allowance for frozen product.

11. Marking of fish pens for identification of the source of the fish:

Fish pens shall be marked with the vessel name and vessel registration number (CFV #) of the catcher vessel, as follows:

- (a) all letters and numbers shall be a minimum of 10 cm (approximately 4 in) in height and 5 cm (approximately 2 in) in width;

- (b) all letters and numbers shall be black and painted or affixed to a white background; and
- (c) the vessel name and vessel registration number (CFV #) number shall be attached to the top surface of the fish pen.

APPENDIX I

Rockfish/Thornyheads

Aurora rockfish	<i>Sebastes aurora</i>
Black rockfish	<i>Sebastes melanops</i>
Blue rockfish	<i>Sebastes mystinus</i>
Bocaccio	<i>Sebastes paucispinis</i>
Brown rockfish	<i>Sebastes auriculatus</i>
Canary rockfish	<i>Sebastes pinniger</i>
Chilipepper rockfish	<i>Sebastes goodei</i>
China rockfish	<i>Sebastes nebulosus</i>
Copper rockfish	<i>Sebastes caurinus</i>
Darkblotched rockfish	<i>Sebastes crameri</i>
Dusky rockfish	<i>Sebastes ciliatus</i>
Greenstriped rockfish	<i>Sebastes elongatus</i>
Harlequin rockfish	<i>Sebastes variegatus</i>
Northern rockfish	<i>Sebastes polyspinis</i>
Pacific Ocean Perch	<i>Sebastes alutus</i>
Puget Sound rockfish	<i>Sebastes emphaeus</i>
Pygmy rockfish	<i>Sebastes wilsoni</i>
Quillback rockfish	<i>Sebastes maliger</i>
Redbanded rockfish	<i>Sebastes babcocki</i>
Redstripe rockfish	<i>Sebastes proriger</i>
Rosethorn rockfish	<i>Sebastes helvomaculatus</i>
Rougheye rockfish	<i>Sebastes aleutianus</i>
Sharpchin rockfish	<i>Sebastes zacentrus</i>
Shortbelly rockfish	<i>Sebastes jordani</i>
Shortraker rockfish	<i>Sebastes borealis</i>
Silvergray rockfish	<i>Sebastes brevispinis</i>
Splitnose rockfish	<i>Sebastes diploproa</i>
Stripetail rockfish	<i>Sebastes saxicola</i>
Tiger rockfish	<i>Sebastes nigrocinctus</i>
Vermilion rockfish	<i>Sebastes miniatus</i>
Widow rockfish	<i>Sebastes entomelas</i>
Yelloweye rockfish	<i>Sebastes ruberrimus</i>
Yellowmouth rockfish	<i>Sebastes reedi</i>
Yellowtail rockfish	<i>Sebastes flavidus</i>
Longspine thornyhead	<i>Sebastolobus altivelis</i>
Shortspine thornyhead	<i>Sebastolobus alascanus</i>

APPENDIX 2

Nº 04103

HOOK AND LINE ROCKFISH LOG

PAGE#

CFV# VESSEL GEAR TYPE TRIP#

CAPTAIN TARGET SPECIES BAIT

*****RECORD CATCH IN NUMBER OF FISH*****

*****SHADED AREAS ARE OPTIONAL*****

DATE YR/MO/DA	WP# end	LOCATION							WP# end	TOTAL # HOOKS	DEPTH Min Max		MGMT Area SubA		TIME hours
		deg	min	sec	deg	min	sec								
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
DATE	WP#	LOCATION	deg	min	sec	deg	min	sec	WP#	# hooks	Min	Max	Area	SubA	hours
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
DATE	WP#	LOCATION	deg	min	sec	deg	min	sec	WP#	# hooks	Min	Max	Area	SubA	hours
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
DATE	WP#	LOCATION	deg	min	sec	deg	min	sec	WP#	# hooks	Min	Max	Area	SubA	hours
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
DATE	WP#	LOCATION	deg	min	sec	deg	min	sec	WP#	# hooks	Min	Max	Area	SubA	hours
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
DATE	WP#	LOCATION	deg	min	sec	deg	min	sec	WP#	# hooks	Min	Max	Area	SubA	hours
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
DATE	WP#	LOCATION	deg	min	sec	deg	min	sec	WP#	# hooks	Min	Max	Area	SubA	hours
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
TOTAL WT LBS															
PRODUCT TYPE															
DATE UNLOADED (YR/MO/DA):					HAIL REPORT #:				Z	N	-	9	-		
BUYER/PROCESSOR(S):															
COMMENTS: weather conditions, sea state, amount of lost gear, reason for discarding fish, etc.															

MAIL TO: Department of Fisheries and Oceans, Offshore Division, Suite 418, 555 W. Hastings St., Vancouver, B.C. V6B 5G3

CONDITIONS OF 1998 OUTSIDE ROCKFISH HOOK AND LINE LICENCE Option B

Pursuant to subsection 22 (1) of the *Fishery (General) Regulations*, and for the proper management and control of fisheries, the following conditions are specified for this 1998 commercial fishing licence:

1. Definitions:

“Aggregate 1” means the following rockfish species in any combination: Quillback and Copper;

“Aggregate 2” means the following rockfish species in any combination: China and Tiger;

“Aggregate 3” means the following rockfish species in any combination: Canary and Silvergray;

“Aggregate 4” means Rougheye and Shortraker rockfish and Idiots in any combination;

“Aggregate 5” means the following rockfish species in any combination: Pacific Ocean Perch, Yellowmouth and Redstripe;

“Aggregate 6” means the following rockfish species in any combination: Yellowtail, Black and Widow;

“Aggregate 7” means any combination of any rockfish species other than Yelloweye rockfish and other than those species contained in Aggregates 1, 2, 3, 4, 5 and 6;

“container” means a bag, box, tray, tote, frozen block or anything that contains fish but not including a fish pen;

“designated representative” means Archipelago Marine Research Ltd. of Victoria, B.C. representing Fisheries and Oceans Canada;

“fish pen” means an enclosure, attached to the shore of the land or to the seabed, designed to hold live fish. The fish enclosed in the fish pen shall only be from the vessel designated in this licence;

It is the responsibility of the individual fisher to be informed of, and comply with, the Fisheries Act and the Regulations made thereunder, in addition to these Conditions. For information on management of the rockfish by Hook & Line fishery, obtain a copy of the 1998/99 Groundfish by Hook & Line Management Plan from a Fisheries and Oceans Commercial Licensing Office.

“Idiots” means the species of Thornyheads listed under the heading “Rockfish/Thornyheads in Appendix 1;

“landed” means having offloaded the catch onto land;

“landing” means the offloading of the catch onto land;

“Management area”, “Area” and “Subarea” have the same meanings as in the *Pacific Fishery Management Area Regulations*;

“observer” means a person designated by the Regional Director General to carry out duties described in section 39(2) of the *Fishery (General) Regulations*; and

“rockfish” means the species listed under the heading “Rockfish/Thornyheads in Appendix 1.

2. Species of fish that are permitted to be taken:

Rockfish (*Sebastes sp.*) and Longspine/Shortspine Thornyheads (*Sebastolobus sp.*) listed in Appendix 1 and Greenlings (*Hexagrammos sp.*).

3. The waters in which fishing is permitted to be carried out:

Areas 1, 3 to 11, 21, 23 to 27, 101 to 111, 123 to 127, 130, 142 and Subareas 2- 2 to 2-62, those portions of Subarea 2-69 Hunter Point to Fame Point seaward of 40 fm contour line as shown on CHS Chart, 2-70 to 2-100, 12-14, 20-1 to 20-3, 121-3, and portions of 121-1 and 121-2 (outside the Swiftsure Bank closed area). Areas and Subareas are described in the *Pacific Fishery Management Area Regulations*.

4. Quantities of fish (in round weight) that are permitted to be taken:

Zero

An amendment to this section must be requested and received prior to fishing. See the 1998 Groundfish by Hook & Line plan for details.

5. Type of fishing gear permitted to be used:

Longline and trolling gear.

6. Transport and transshipment requirements:

All rockfish, idiots and greenlings shall be transported by the vessel name in the attached licence:

- (1) to land; or
- (2) to a fish pen prior to transporting to land.

7. Requirement for the licence holder to report information prior to the commencement of a trip:

(1) Hail-out Report

When intending to fish, the vessel master shall report the following information (hereinafter referred to as a Hail-out Report) to the designated representative prior to commencement of fishing by calling 1-800-663-7152 (toll free; 24 hours per day; seven days a week):

- (a) name of the vessel;
- (b) name of the vessel master;
- (c) vessel registration number (CFV #);
- (d) harvesting option (A, B or C);
- (e) date of commencement of fishing;
- (f) Subareas to be fished; and
- (g) anticipated landing date, location and name of fish buyer.

(2) Cancellation of Fishing Trip

Should the vessel master decide not to fish after having made a Hail-out report, the vessel master shall notify the designated representative (1-800-663-7152) and make a Hail-in Report to indicate that no fishing occurred. The Hail-in report shall be made no later than three days after making the Hail-out report.

8. Requirement for the vessel master to report information from sea:

- (1)** Subject to subsection 8(2), the vessel master shall report the following information (hereinafter referred to as a Hail-in Report) to the designated representative as soon as fishing ceases by calling 1-800-663-7152 (toll free; 24 hours per day; seven days per week.)

- (a) name of the vessel;
- (b) name of the vessel master;
- (c) vessel registration number (CFV #);
- (d) date, time and location of landing of the fish;
- (e) location where fish are to be landed;
- (f) estimated round weight in pounds of each species taken; and
- (g) Subareas fished.

- (2) A Hail-in Report is not required at the time fish are placed into a fish pen for storage purposes. The vessel master shall Hail-in prior to the landing of any of these species which were stored in a fish pen.

9. Records that the vessel master shall keep:

(1) Harvest Logbook

- (a) The vessel master is responsible for the provision and maintenance of a true record of daily fishing activities in the Hook and Line Rockfish Logbook (hereinafter referred to as the “logbook”).
- (b) Subject to subsection 9(1)(d), the logbook shall be completed and submitted in both hard copy (paper) and electronic copy. Logbooks which meet the requirements of Fisheries and Oceans Canada are available for purchase from J.O. Thomas & Associates Ltd. who will provide both the logbook and the keypunch service, thus complying with the requirements for a hard copy and an electronic copy.
- (c) The vessel master shall keep a record of all fishing activity carried out under authority of this licence in this logbook, subject to the following:
1. the record shall be kept in the manner set out in the logbook as described in Appendix 2 and shall be complete;
 2. the information shall be recorded in the logbook by midnight on each day fished;
 3. the logbook shall be kept on board the vessel at all times and shall be made available for inspection upon request of an observer or a fishery officer;
 4. subject to subsection 9(1)(c)(5), completed original logbook pages shall be provided to the observer or a fishery officer attending the landing of the fish, or shall be forwarded, within seven (7) days of landing to:

Fisheries and Oceans Canada
c/o J.O. Thomas & Associates Ltd.
Kootenay Street
Vancouver, B.C. V5K 4R1

5. vessels which are day fishing shall forward completed **original** logbook pages, upon completion of each logbook page or at thirty (30) day

intervals (whichever is first) to the address indicated in subsection 9(1)(c)(4);

6. the vessel master shall ensure that the logbook is available for use, prior to fishing, and that sufficient pages are available to cover any fishing trip.

(d) As an alternative to the requirements of paragraph (b) above, the vessel master shall provide a completed hard copy (paper) logbook in the same format as the logbook described in Appendix 2. The vessel master shall also provide an electronic copy which shall be an ASCII file and DOS compatible on a 3½ inch or 5¼ inch disk. Disks shall remain the property of Fisheries and Oceans Canada. Both the hard copy and electronic copy of the logbook shall be forwarded to the address indicated in subsection 9(1)(c)(4) above within seven (7) days of each landing.

(2) Validation Record Book

(a) A “ZN” rockfish validation record book shall be obtained from the designated representative. The validation record book shall be kept on board the vessel at all times and shall be made available for inspection and use upon request of an observer.

(b) At the completion of each landing, an observer shall enter information, regarding the landing, in the “ZN” rockfish validation record book including the weight and species of fish landed. The vessel master shall sign and date each original validation record page as directed by the observer. The original validation record page shall be removed and retained by the observer or fishery officer.

10. Location permitted for landing of fish:

(1) Subject to subsection 10(2), all fish shall be landed at a fish buying station licensed under the Province of British Columbia Fisheries Act, except:

- (a) fish sold directly to the public under authority of a fisher’s vending licence issued under the *Province of British Columbia Fisheries Act*; or
- (b) fish landed in the United States.

- (2) Subject to subsection 10(1), all fish shall be landed at one of the following locations:

In Canada:

Ahousast	Kyuquot	Queen Charlotte City
Alert Bay	Lund	Sayward
Beaver Cove	Masset	Shearwater
Bella Bella	Nanaimo	Sidney
Campbell River	Port Alberni	Sointula
Chemainus	Port Edward	Sooke
Coal Harbour	Port Hardy	Tofino
Comox	Port McNeil	Ucluelet
Courtenay	Port Renfrew	Greater Vancouver
Cowichan Bay	Powell River	Greater Victoria
French Creek	Prince Rupert	Winter Harbour
Gold River	Quadra Island	Zeballos

In the United States:

Blaine WA Bellingham WA

- (3) All fish caught under the authority of this licence shall be landed no later than ten days after the area has been closed to fishing. This includes all fish that have been temporarily stored in a fish pen.

11. Method permitted for landing of fish from the vessel and verification of weight and species of fish caught and retained:

- (1) All fish on board the vessel shall be landed at the same time.
- (2) The vessel master shall provide access to the vessel's fish holds, freezers and other fish storage areas, including any fish pens, to the observer verifying the landing at any time during the landing or at the conclusion of the landing.
- (3) The landing of any fish shall not be permitted unless authorized by an observer.
- (4) The weight of all fish shall be verified by an observer.
- (5) When fish are retained live, they may be placed directly into a fish pen by the vessel named in the attached licence. Any fish, live or dead, removed from this fish pen and transported to land shall be transported to land by the vessel named in this licence. Once transported to land from a fish pen, the fish are subject to the requirements of subsections 11(3) and 11(4).

- (6) All fish taken under the authority of this licence shall be landed prior to the vessel fishing under the authority of a halibut licence.

12. Method by which the weight of the fish is to be determined:

- (1) At the time and place of landing and where fish **are not placed in containers** prior to landing and are not frozen at-sea or are not kept alive, the following steps shall be carried out in the presence of an observer:
- (a) All yelloweye rockfish and greenlings shall be sorted and weighed by individual species;
 - (b) species comprising Aggregates 1 and 2 shall be sorted and weighed by each Aggregate or shall be sorted and weighed by individual species;
 - (c) species comprising Aggregates 3, 4, 5, 6 and 7 shall be sorted and weighed as one aggregate, or shall be sorted and weighed by a combination of one or more of the Aggregates and individual species, or shall be sorted and weighed by individual species;
 - (d) when more than one species of rockfish are intermixed as described above, a subsample of no less than 10% (ten per cent) of the weight of the intermixed fish shall be taken, and shall be accurately sorted and weighed by individual species;
 - (e) if fish are to be placed into totes or other containers at the time of landing, each tote or container shall be weighed with ice, liners, etc. and labelled with the tote weight prior to use;
 - (f) totes or other containers that have been weighed and labelled before the landing are subject to weight verification at any time by an observer; and
 - (g) if fish are transported directly from the vessel across an in-line scale (e.g., automated hopper) then the weight recorded shall be the net weight.
- (2) Where fish are placed in containers prior to landing and are not frozen at-sea:
- (a) each container shall contain either one species or two or more species of the same Aggregate as defined;
 - (b) each container shall be clearly marked as to the species or Aggregate contained therein;
 - (c) all containers shall be accurately weighed; and
 - (d) a sample, of no less than 15% (fifteen per cent) of each type of container shall be taken, as directed by an observer. The containers shall be emptied and the contents sorted where necessary and weighed by individual species.
- (3) Where fish are placed in containers prior to landing and are frozen at-sea:
- (a) each container shall contain only one species;
 - (b) each container shall be clearly marked as to the species contained therein;
 - (c) all containers shall be accurately weighed; and

- (d) a sample, of no less than 15% (fifteen per cent) of each type of container shall be taken, as directed by an observer. The containers shall be emptied and the contents sorted where necessary and weighed by individual species.
- (4) Where fish are kept alive prior to landing:
- (a) yelloweye rockfish and greenlings shall be sorted and weighed by individual species;
 - (b) species comprising Aggregates 1 and 2 shall be sorted and weighed by each Aggregate or shall be sorted and weighed by individual species;
 - (c) species comprising Aggregates 3, 4, 5, 6 and 7 shall be sorted and weighed as one aggregate, or shall be sorted and weighed by a combination of one or more of the Aggregates and individual species, or shall be sorted and weighed by individual species; and
 - (d) when more than one species of rockfish are intermixed as described above, a subsample of no less than 10% (ten per cent) of the weight of the intermixed fish shall be taken, and shall be accurately sorted and weighed by individual species.
- (5) All fish shall be weighed on a scale approved, in the case of fish landed in Canada, by Industry Canada, and in the case of fish landed in the United States, by the State of Washington Weights and Measures.
- (6) All fish weights shall be determined on the basis of net weights by deducting the weight of the container and the ice/slime, glaze or shrinkage allowance.
- (7) The following conversion factors shall be used to calculate net round weights:

Round - live	0.97		
Round - fresh	0.98	Round - frozen	0.96
Japanese cut - fresh	1.57	Japanese cut - frozen	1.54
Western cut - fresh	1.51	Western cut - frozen	1.48
dressed head-on - fresh	1.16	dressed head-on - frozen	1.13

All of the above conversion factors for dressed fish **include** a 2% (two per cent) ice/slime allowance for fresh product and a 4% (four per cent) glaze allowance for frozen product.

11. Marking of fish pens for identification of the source of the fish:

Fish pens shall be marked with the vessel name and vessel registration number (CFV #) of the catcher vessel, as follows:

- (a) all letters and numbers shall be a minimum of 10 cm (approximately 4 in) in height and 5 cm (approximately 2 in) in width;
- (b) all letters and numbers shall be black and painted or affixed to a white background; and
- (c) the vessel name and vessel registration number (CFV #) number shall be attached to the top surface of the fish pen.

APPENDIX 1

Rockfish/Thornyheads

Aurora rockfish	<i>Sebastes aurora</i>
Black rockfish	<i>Sebastes melanops</i>
Blue rockfish	<i>Sebastes mystinus</i>
Bocaccio	<i>Sebastes paucispinis</i>
Brown rockfish	<i>Sebastes auriculatus</i>
Canary rockfish	<i>Sebastes pinniger</i>
Chilipepper rockfish	<i>Sebastes goodei</i>
China rockfish	<i>Sebastes nebulosus</i>
Copper rockfish	<i>Sebastes caurinus</i>
Darkblotched rockfish	<i>Sebastes crameri</i>
Dusky rockfish	<i>Sebastes ciliatus</i>
Greenstriped rockfish	<i>Sebastes elongatus</i>
Harlequin rockfish	<i>Sebastes variegatus</i>
Northern rockfish	<i>Sebastes polyspinis</i>
Pacific Ocean Perch	<i>Sebastes alutus</i>
Puget Sound rockfish	<i>Sebastes emphaeus</i>
Pygmy rockfish	<i>Sebastes wilsoni</i>
Quillback rockfish	<i>Sebastes maliger</i>
Redbanded rockfish	<i>Sebastes babcocki</i>
Redstripe rockfish	<i>Sebastes proriger</i>
Rosethorn rockfish	<i>Sebastes helvomaculatus</i>
Rougheye rockfish	<i>Sebastes aleutianus</i>
Sharpchin rockfish	<i>Sebastes zacentrus</i>
Shortbelly rockfish	<i>Sebastes jordani</i>
Shortraker rockfish	<i>Sebastes borealis</i>
Silvergray rockfish	<i>Sebastes brevispinis</i>
Splitnose rockfish	<i>Sebastes diploproa</i>
Stripetail rockfish	<i>Sebastes saxicola</i>
Tiger rockfish	<i>Sebastes nigrocinctus</i>
Vermilion rockfish	<i>Sebastes miniatus</i>
Widow rockfish	<i>Sebastes entomelas</i>
Yelloweye rockfish	<i>Sebastes ruberrimus</i>
Yellowmouth rockfish	<i>Sebastes reedi</i>
Yellowtail rockfish	<i>Sebastes flavidus</i>
Longspine thornyhead	<i>Sebastolobus altivelis</i>
Shortspine thornyhead	<i>Sebastolobus alascanus</i>

APPENDIX 2

N^o 04103

HOOK AND LINE ROCKFISH LOG

CFV# _____ VESSEL _____ GEAR TYPE _____ PAGE# _____
CAPTAIN _____ TARGET SPECIES _____ TRIP# _____
BAIT _____

*****RECORD CATCH IN NUMBER OF FISH*****

*****SHADED AREAS ARE OPTIONAL*****

DATE YR/MO/DA	WP# end	LOCATION							WP# end	TOTAL # HOOKS	DEPTH Min Max		MGMT Area SubA		TIME hours
		deg	min	sec	deg	min	sec								
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
DATE	WP#	LOCATION							WP#	TOTAL	DEPTH		MGMT		TIME
		deg	min	sec	deg	min	sec								
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
DATE	WP#	LOCATION							WP#	TOTAL	DEPTH		MGMT		TIME
		deg	min	sec	deg	min	sec								
		latitude													
		longitude													
CATCH	YE	QB	CP												
PIECES															
TOTAL															
TOTAL WT LBS															
PRODUCT TYPE															
DATE UNLOADED (YR/MO/DA):					HAIL REPORT #:				Z	N	-	9	-		
BUYER/PROCESSOR(S):															
COMMENTS: weather conditions, sea state, amount of lost gear, reason for discarding fish, etc.															

MAIL TO: Department of Fisheries and Oceans, Offshore Division, Suite 418, 555 W. Hastings St., Vancouver, B.C. V6B 5G3

CONDITIONS OF 1998 OUTSIDE ROCKFISH HOOK AND LINE LICENCE Option C

Pursuant to subsection 22 (1) of the *Fishery (General) Regulations*, and for the proper management and control of fisheries, the following conditions are specified for this 1998 commercial fishing licence:

1. Definitions:

“Aggregate 1” means the following rockfish species in any combination: Quillback and Copper;

“Aggregate 2” means the following rockfish species in any combination: China and Tiger;

“Aggregate 3” means the following rockfish species in any combination: Canary and Silvergray;

“Aggregate 4” means Rougheye and Shortraker rockfish and Idiots in any combination;

“Aggregate 5” means the following rockfish species in any combination: Pacific Ocean Perch, Yellowmouth and Redstripe;

“Aggregate 6” means the following rockfish species in any combination: Yellowtail, Black and Widow;

“Aggregate 7” means any combination of any rockfish species other than Yelloweye rockfish and other than those species contained in Aggregates 1, 2, 3, 4, 5 and 6;

“container” means a bag, box, tray, tote, frozen block or anything that contains fish but not including a fish pen;

“designated representative” means Archipelago Marine Research Ltd. of Victoria, B.C. representing Fisheries and Oceans Canada;

“fish pen” means an enclosure, attached to the shore of the land or to the seabed, designed to hold live fish. The fish enclosed in the fish pen shall only be from the vessel designated in this licence;

It is the responsibility of the individual fisher to be informed of, and comply with, the Fisheries Act and the Regulations made thereunder, in addition to these Conditions. For information on management of the rockfish by Hook & Line fishery, obtain a copy of the 1998/99 Groundfish by Hook & Line Management Plan from a Fisheries and Oceans Commercial Licensing Office.

“Idiots” means the species of Thornyheads listed under the heading “Rockfish/Thornyheads in Appendix 1;

“landed” means having offloaded the catch onto land;

“landing” means the offloading of the catch onto land;

“Management area”, “Area” and “Subarea” have the same meanings as in the *Pacific Fishery Management Area Regulations*;

“observer” means a person designated by the Regional Director General to carry out duties described in section 39(2) of the *Fishery (General) Regulations*; and

“rockfish” means the species listed under the heading “Rockfish/Thornyheads in Appendix 1.

2. Species of fish that are permitted to be taken:

Rockfish (*Sebastes sp.*) and Longspine/Shortspine Thornyheads (*Sebastolobus sp.*) listed in Appendix 1 and Greenlings (*Hexagrammos sp.*).

3. The waters in which fishing is permitted to be carried out:

Areas 1, 3 to 11, 21, 23 to 27, 101 to 111, 123 to 127, 130, 142 and Subareas 2- 2 to 2-62, those portions of Subarea 2-69 Hunter Point to Fame Point seaward of 40 fm contour line as shown on CHS Chart, 2-70 to 2-100, 12-14, 20-1 to 20-3, 121-3, and portions of 121-1 and 121-2 (outside the Swiftsure Bank closed area). Areas and Subareas are described in the *Pacific Fishery Management Area Regulations*.

4. Quantities of fish (in round weight) that are permitted to be taken:

Zero

An amendment to this section must be requested and received prior to fishing. See the 1998 Groundfish by Hook & Line plan for details.

5. Type of fishing gear permitted to be used:

Longline and trolling gear.

6. Transport and transshipment requirements:

All rockfish, idiots and greenlings shall be transported by the vessel name in the attached licence:

- (1) to land; or
- (2) to a fish pen prior to transporting to land.

7. Requirement for the licence holder to report information prior to the commencement of a trip:

(1) Hail-out Report

When intending to fish, the vessel master shall report the following information (hereinafter referred to as a Hail-out Report) to the designated representative prior to commencement of fishing by calling 1-800-663-7152 (toll free; 24 hours per day; seven days a week):

- (a) name of the vessel;
- (b) name of the vessel master;
- (c) vessel registration number (CFV #);
- (d) harvesting option (A, B or C);
- (e) date of commencement of fishing;
- (f) Subareas to be fished; and
- (g) anticipated landing date, location and name of fish buyer.

(2) Cancellation of Fishing Trip

Should the vessel master decide not to fish after having made a Hail-out report, the vessel master shall notify the designated representative (1-800-663-7152) and make a Hail-in Report to indicate that no fishing occurred. The Hail-in report shall be made no later than three days after making the Hail-out report.

8. Requirement for the vessel master to report information from sea:

- (1)** Subject to subsection 8(2), the vessel master shall report the following information (hereinafter referred to as a Hail-in Report) to the designated representative as soon as fishing ceases by calling 1-800-663-7152 (toll free; 24 hours per day; seven days per week.)

- (a) name of the vessel;
- (b) name of the vessel master;
- (c) vessel registration number (CFV #);
- (d) date, time and location of landing of the fish;
- (e) location where fish are to be landed;
- (f) estimated round weight in pounds of each species taken; and
- (g) Subareas fished.

- (2) A Hail-in Report is not required at the time fish are placed into a fish pen for storage purposes. The vessel master shall Hail-in prior to the landing of any of these species which were stored in a fish pen.

9. Records that the vessel master shall keep:

(1) Harvest Logbook

- (a) The vessel master is responsible for the provision and maintenance of a true record of daily fishing activities in the Hook and Line Rockfish Logbook (hereinafter referred to as the “logbook”).
- (b) Subject to subsection 9(1)(d), the logbook shall be completed and submitted in both hard copy (paper) and electronic copy. Logbooks which meet the requirements of Fisheries and Oceans Canada are available for purchase from J.O. Thomas & Associates Ltd. who will provide both the logbook and the keypunch service, thus complying with the requirements for a hard copy and an electronic copy.
- (c) The vessel master shall keep a record of all fishing activity carried out under authority of this licence in this logbook, subject to the following:
1. the record shall be kept in the manner set out in the logbook as described in Appendix 2 and shall be complete;
 2. the information shall be recorded in the logbook by midnight on each day fished;
 3. the logbook shall be kept on board the vessel at all times and shall be made available for inspection upon request of an observer or a fishery officer;
 4. subject to subsection 9(1)(c)(5), completed original logbook pages shall be provided to the observer or a fishery officer attending the landing of the fish, or shall be forwarded, within seven (7) days of landing to:

Fisheries and Oceans Canada
c/o J.O. Thomas & Associates Ltd.
Kootenay Street
Vancouver, B.C. V5K 4R1

5. vessels which are day fishing shall forward completed original logbook pages, upon completion of each logbook page or at thirty (30) day

intervals (whichever is first) to the address indicated in subsection 9(1)(c)(4);

6. the vessel master shall ensure that the logbook is available for use, prior to fishing, and that sufficient pages are available to cover any fishing trip.

(d) As an alternative to the requirements of paragraph (b) above, the vessel master shall provide a completed hard copy (paper) logbook in the same format as the logbook described in Appendix 2. The vessel master shall also provide an electronic copy which shall be an ASCII file and DOS compatible on a 3½ inch or 5¼ inch disk. Disks shall remain the property of Fisheries and Oceans Canada. Both the hard copy and electronic copy of the logbook shall be forwarded to the address indicated in subsection 9(1)(c)(4) above within seven (7) days of each landing.

(2) Validation Record Book

(a) A ZN rockfish validation record book shall be obtained from the designated representative. The validation record book shall be kept on board the vessel at all times and shall be made available for inspection and use upon request of an observer or.

(b) At the completion of each landing, an observer shall enter information, regarding the landing, in the ZN rockfish validation record book including the weight and species of fish landed. The vessel master shall sign and date each original validation record page as directed by the observer or fishery officer. The original validation record page shall be removed and retained by the observer or fishery officer.

10. Location permitted for landing of fish:

(1) Subject to subsection 10(2), all fish shall be landed at a fish buying station licensed under the Province of British Columbia Fisheries Act, except :

- (a) fish sold directly to the public under authority of a fisher's vending licence issued under the Province of British Columbia Fisheries Act; or
- (b) fish landed in the United States.

- (2) Subject to subsection 10(1), all fish shall be landed at one of the following locations:

In Canada:

Ahousast	Kyuquot	Queen Charlotte City
Alert Bay	Lund	Sayward
Beaver Cove	Masset	Shearwater
Bella Bella	Nanaimo	Sidney
Campbell River	Port Alberni	Sointula
Chemainus	Port Edward	Sooke
Coal Harbour	Port Hardy	Tofino
Comox	Port McNeil	Ucluelet
Courtenay	Port Renfrew	Greater Vancouver
Cowichan Bay	Powell River	Greater Victoria
French Creek	Prince Rupert	Winter Harbour
Gold River	Quadra Island	Zeballos

In the United States:

Blaine WA Bellingham WA

- (3) All fish caught under the authority of this licence shall be landed no later than ten days after the area has been closed to fishing. This includes all fish that have been temporarily stored in a fish pen.

11. Method permitted for landing of fish from the vessel and verification of weight and species of fish caught and retained:

- (1) All fish on board the vessel shall be landed at the same time.
- (2) The vessel master shall provide access to the vessel's fish holds, freezers and other fish storage areas, including any fish pens, to the observer verifying the landing at any time during the landing or at the conclusion of the landing.
- (3) The landing of any fish shall not be permitted unless authorized by an observer.
- (4) The weight of all fish shall be verified by an observer.
- (5) When fish are retained live, they may be placed directly into a fish pen by the vessel named in the attached licence. Any fish, live or dead, removed from this fish pen and transported to land shall be transported to land by the vessel named in this licence. Once transported to land from a fish pen, the fish are subject to the requirements of subsections 11(3) and 11(4).

- (6) All fish taken under the authority of this licence shall be landed prior to the vessel fishing under the authority of a halibut licence.

12. Method by which the weight of the fish is to be determined:

- (1) At the time and place of landing and where fish **are not placed in containers** prior to landing and are not frozen at-sea or are not kept alive, the following steps shall be carried out in the presence of an observer:
- (a) All yelloweye rockfish and greenlings shall be sorted and weighed by individual species;
 - (b) species comprising Aggregates 1, 2, 3, 4, and 5 shall be sorted and weighed by each Aggregate or shall be sorted and weighed by individual species;
 - (c) species comprising Aggregates 6 and 7 shall be sorted and weighed as one aggregate, or shall be sorted and weighed by a combination of one or more of the Aggregates and individual species, or shall be sorted and weighed by individual species;
 - (d) when more than one species of rockfish are intermixed as described above, a subsample of no less than 10% (ten per cent) of the weight of the intermixed fish shall be taken, and shall be accurately sorted and weighed by individual species;
 - (e) if fish are to be placed into totes or other containers at the time of landing, each tote or container shall be weighed with ice, liners, etc. and labelled with the tote weight prior to use;
 - (f) totes or other containers that have been weighed and labelled before the landing are subject to weight verification at any time by an observer; and
 - (g) if fish are transported directly from the vessel across an in-line scale (e.g., automated hopper) then the weight recorded shall be the net weight.
- (2) Where fish are placed in containers prior to landing and are not frozen at-sea:
- (a) each container shall contain either one species or two or more species of the same Aggregate as defined;
 - (b) each container shall be clearly marked as to the species or Aggregate contained therein;
 - (c) all containers shall be accurately weighed; and
 - (d) a sample, of no less than 15% (fifteen per cent) of each type of container shall be taken, as directed by an observer. The containers shall be emptied and the contents sorted where necessary and weighed by individual species.
- (3) Where fish are placed in containers prior to landing and are frozen at-sea:
- (a) each container shall contain only one species;
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 - (c) all containers shall be accurately weighed; and

- (d) a sample, of no less than 15% (fifteen per cent) of each type of container shall be taken, as directed by an observer. The containers shall be emptied and the contents sorted where necessary and weighed by individual species.
- (4) Where fish are kept alive prior to landing:
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 - (c) species comprising Aggregates 6 and 7 shall be sorted and weighed as one aggregate, or shall be sorted and weighed by a combination of one or more of the Aggregates and individual species, or shall be sorted and weighed by individual species; and
 - (d) when more than one species of rockfish are intermixed as described above, a subsample of no less than 10% (ten per cent) of the weight of the intermixed fish shall be taken, and shall be accurately sorted and weighed by individual species.
- (5) All fish shall be weighed on a scale approved, in the case of fish landed in Canada, by Industry Canada, and in the case of fish landed in the United States, by the State of Washington Weights and Measures.
- (6) All fish weights shall be determined on the basis of net weights by deducting the weight of the container and the ice/slime, glaze or shrinkage allowance.
- (7) The following conversion factors shall be used to calculate net round weights:
- | | | | |
|-------------------------|------|--------------------------|------|
| Round - live | 0.97 | | |
| Round - fresh | 0.98 | Round - frozen | 0.96 |
| Japanese cut - fresh | 1.57 | Japanese cut - frozen | 1.54 |
| Western cut - fresh | 1.51 | Western cut - frozen | 1.48 |
| dressed head-on - fresh | 1.16 | dressed head-on - frozen | 1.13 |

All of the above conversion factors for dressed fish include a 2% (two per cent) ice/slime allowance for fresh product and a 4% (four per cent) glaze allowance for frozen product.

11. Marking of fish pens for identification of the source of the fish:

Fish pens shall be marked with the vessel name and vessel registration number (CFV #) of the catcher vessel, as follows:

- (a) all letters and numbers shall be a minimum of 10 cm (approximately 4 in) in height and 5 cm (approximately 2 in) in width;

- (b) all letters and numbers shall be black and painted or affixed to a white background; and
- (c) the vessel name and vessel registration number (CFV #) number shall be attached to the top surface of the fish pen.

APPENDIX 1

Rockfish/Thornyheads

Aurora rockfish	<i>Sebastes aurora</i>
Black rockfish	<i>Sebastes melanops</i>
Blue rockfish	<i>Sebastes mystinus</i>
Bocaccio	<i>Sebastes paucispinis</i>
Brown rockfish	<i>Sebastes auriculatus</i>
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Yellowmouth rockfish	<i>Sebastes reedi</i>
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Shortspine thornyhead	<i>Sebastolobus alascanus</i>

APPENDIX 2

Nº 04103

HOOK AND LINE ROCKFISH LOG

PAGE#

CFV# VESSEL GEAR TYPE TRIP#

CAPTAIN TARGET SPECIES BAIT

*****RECORD CATCH IN NUMBER OF FISH*****

*****SHADED AREAS ARE OPTIONAL*****

DATE	WP#	LOCATION						WP#	TOTAL	DEPTH		MGMT		TIME
YR/MO/DA	end	deg	min	sec	deg	min	sec	end	# HOOKS	Min	Max	Area	SubA	hours
		latitude												
		longitude												
CATCH	YE	QB	CP											
PIECES														
TOTAL														

DATE	WP#	LOCATION						WP#	# hooks	Min	Max	Area	SubA	hours
YR/MO/DA	end	deg	min	sec	deg	min	sec	end						
		latitude												
		longitude												
CATCH	YE	QB	CP											
PIECES														
TOTAL														

DATE	WP#	LOCATION						WP#	# hooks	Min	Max	Area	SubA	hours
YR/MO/DA	end	deg	min	sec	deg	min	sec	end						
		latitude												
		longitude												
CATCH	YE	QB	CP											
PIECES														
TOTAL														

DATE	WP#	LOCATION						WP#	# hooks	Min	Max	Area	SubA	hours
YR/MO/DA	end	deg	min	sec	deg	min	sec	end						
		latitude												
		longitude												
CATCH	YE	QB	CP											
PIECES														
TOTAL														

DATE	WP#	LOCATION						WP#	# hooks	Min	Max	Area	SubA	hours
YR/MO/DA	end	deg	min	sec	deg	min	sec	end						
		latitude												
		longitude												
CATCH	YE	QB	CP											
PIECES														
TOTAL														

DATE	WP#	LOCATION						WP#	# hooks	Min	Max	Area	SubA	hours
YR/MO/DA	end	deg	min	sec	deg	min	sec	end						
		latitude												
		longitude												
CATCH	YE	QB	CP											
PIECES														
TOTAL														

TOTAL WT LBS														
PRODUCT TYPE														
DATE UNLOADED (YR/MO/DA):									HAIL REPORT #:	Z	N	-	9	
BUYER/PROCESSOR(S):														

COMMENTS: weather conditions, sea state, amount of lost gear, reason for discarding fish, etc.

MAIL TO: Department of Fisheries and Oceans, Offshore Division, Suite 418, 555 W. Hastings St., Vancouver, B.C. V6B 5G3