

**RECORD OF MANAGEMENT STRATEGIES
(RMS)**

SALMON

FILE



1992

AREA

4 and 5

RECORD OF MANAGEMENT STRATEGIES

1992 SALMON

STATISTICAL AREAS 4 and 5

DISTRICT 8

Prepared by

*Shane Neifer
Fishery Officer
Skeena Sub-district*

Department of Fisheries and Oceans
Prince Rupert, B.C.

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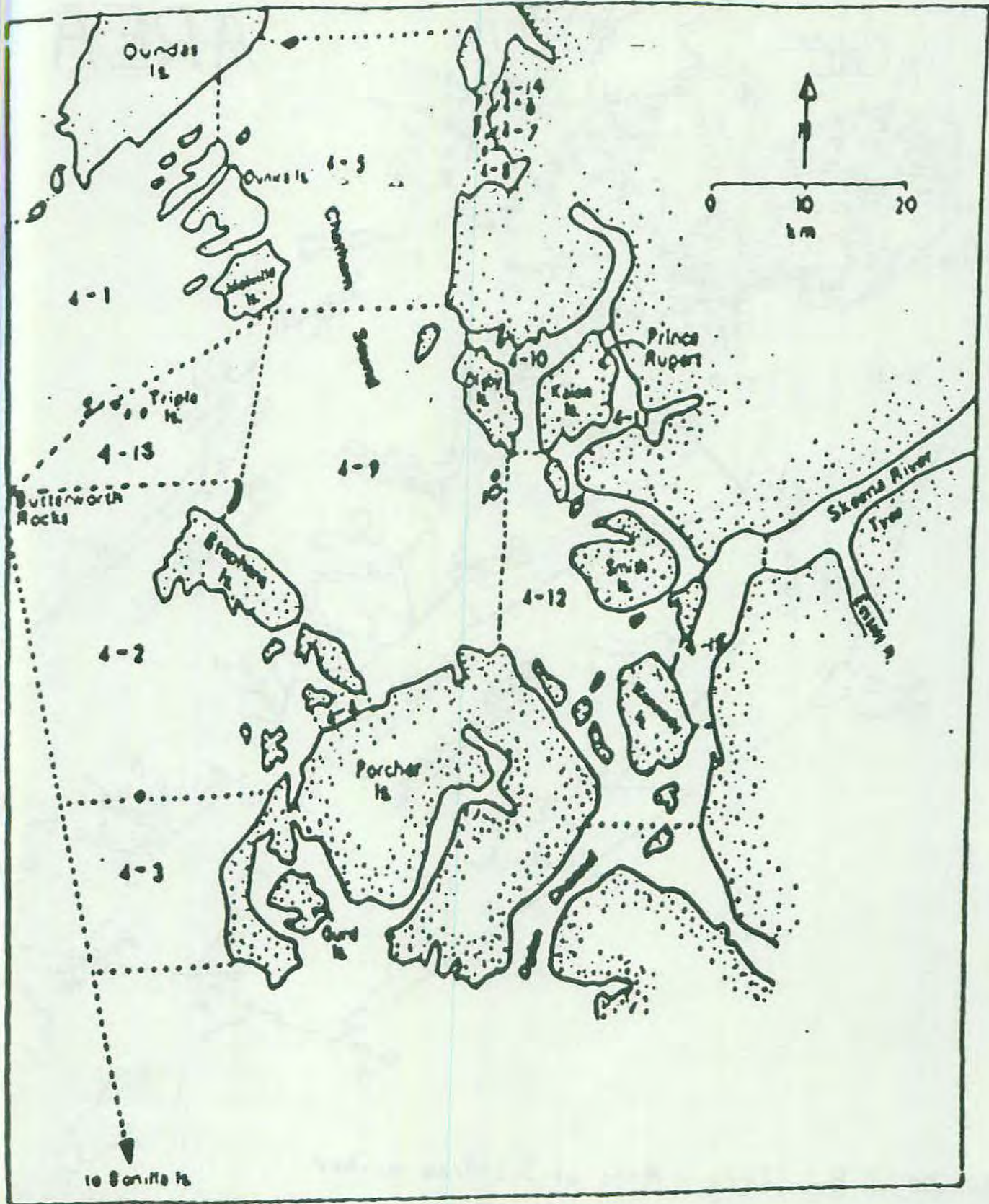
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Record of Management Strategies (RMS) - Salmon 1992

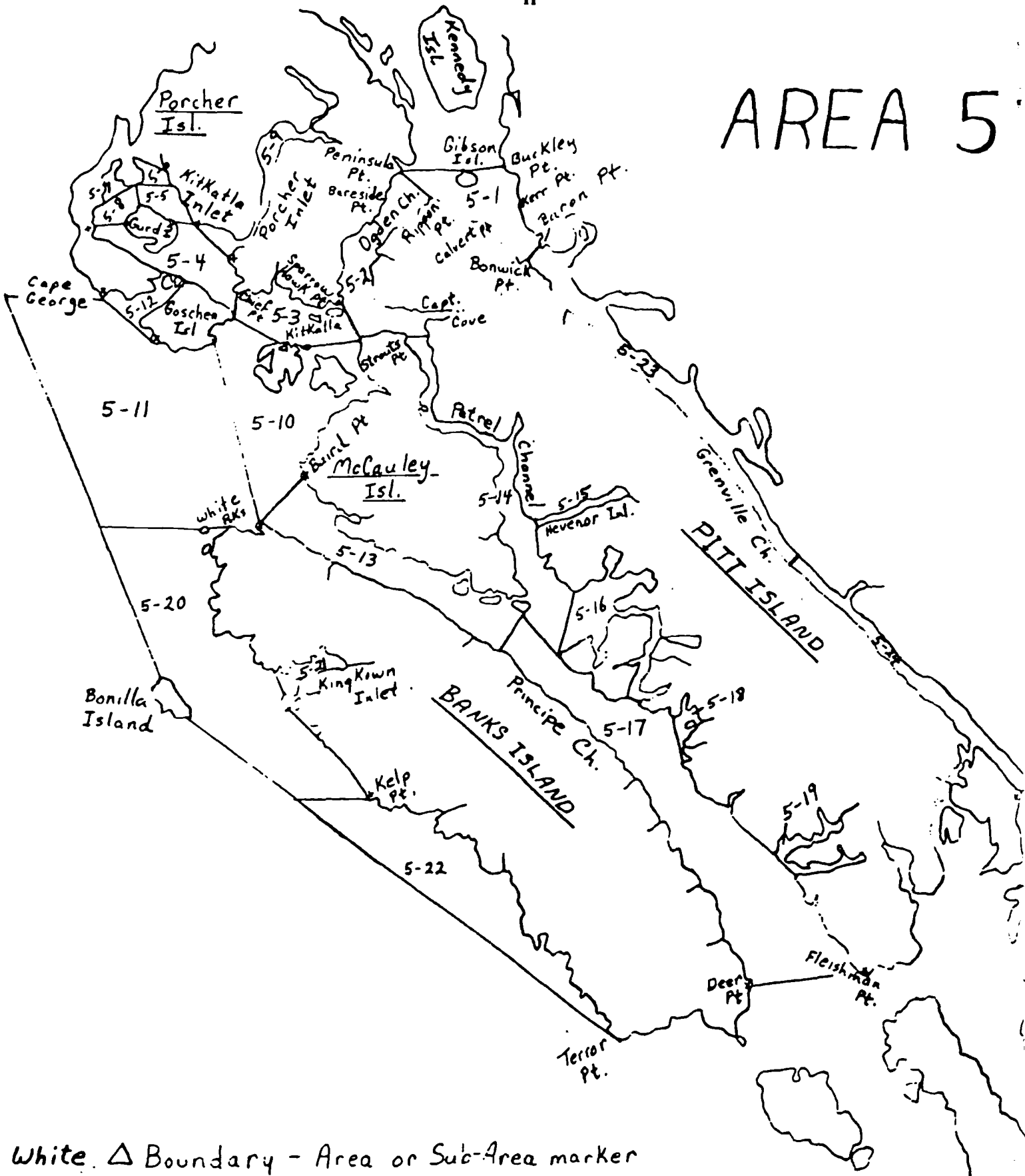
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Statistical Area 4, showing DFO Management Units.

AREA 5



White Δ Boundary - Area or Sub-Area marker

Yellow Δ Boundary - Creek mouth boundary, straight line between signs

Orange Δ Boundary - $\frac{1}{2}$ mile radius boundary off creek mouth between signs.



4 (a) Area 4

Comprising those waters bounded inside a line commencing at the southern most point of Dundas Island, thence true west to Prince Leboo Island, thence southerly along the shoreline to the southern most point, thence true west to the surfline, thence southerly following the surfline to a point true west of Cape George on Porcher Island, thence true east to Cape George, thence following the western, northern then eastern shoreline to Peninsula Point, thence to the northern most point of Gibson Island, thence to Buckley Point on the mainland, thence following the shoreline northerly to a marker approximately one and one half miles easterly of Vietch Point, thence across the Skeena River to a marker near Mowitch Point, thence north westerly along the shoreline to Redcliffe Point, thence to Duncan Point on Finlayson Island, thence northerly along the shoreline to Gordon Point, thence to Green Island Light, thence magnetic west to a marker on the easterly shore of Dundas Island, thence southerly along the shoreline to the point of commencement.

(b) Area 4 is composed of Subareas as follows:

Subarea 4-1

Those waters of Hudson Bay Passage, Brown Passage, and adjacent waters inside a line from the southern most point of Dundas Island true west to Prince Leboo Island, thence southerly along the shoreline to the southern most point of Prince Leboo Island, thence true west to the surfline, thence southerly along the surfline to Butterworth Rocks light, thence in a straight line to Triple Islands light, thence to Deans Point on Melville Island, thence northerly along the shoreline to the northeastern most point of Melville Island, thence to the southeastern most point of Dunira Island, thence northerly along the eastern shoreline to the northern most point of Dunira Island, thence true west to Baron Island, thence northerly along the shoreline to the northern most point of Baron Island, thence true north to Dundas Island; thence southwesterly along the shoreline to the point of commencement.

Subarea 4-2

Those waters of Hecate Strait, Edye Passage and adjacent waters inside a line from Butterworth Rocks light, thence southerly along the surfline to a point true west of Seal Rocks light, thence true east to Seal Rocks light, thence to Welcome Point on Porcher Island, thence northerly along the shoreline to Edwin Point, thence to View Point on Arthur Island, thence easterly along the shoreline to the easternmost point of Arthur Island, thence to Morrell Point on Prescott Island, thence northerly along the shoreline to a marker at Stephens Passage, thence across the passage to a marker on Stephens Island, thence northerly along the shoreline to Riel Point, thence to the easternmost point of Avery Island, thence northerly along the shoreline to the northwesternmost point, thence to Harris Rock, thence to the point of commencement.

4 a) Secteur 4

Ce secteur comprend les eaux qui s'étendent en deçà d'une ligne tirée à partir de l'extrémité sud de l'île Dundas; de là, vers l'ouest vrai, jusqu'à l'île Prince Leboo; de là, vers l'ouest vrai, jusqu'à la ligne de démarcation; de là, vers le sud et le long de la ligne de démarcation, jusqu'à un point situé à l'ouest vrai du cap George, sur l'île Porcher; de là, vers l'est vrai, jusqu'au cap George; de là, le long des rivages ouest, nord, puis est, jusqu'à la pointe Peninsula; de là, jusqu'à l'extrémité nord de l'île Gibson; de là, jusqu'à la pointe Buckley, sur le continent; de là, le long du rivage et vers le nord, jusqu'à une balise située à environ un mille et demi à l'est de la pointe Vietch; de là, vers l'autre côté de la rivière Skeena, jusqu'à une balise située près de la pointe Mowitch; de là, vers le nord-ouest et le long du rivage, jusqu'à la pointe Redcliffe; de là, jusqu'à la pointe Duncan, sur l'île Finlayson, de là, vers le nord et le long du rivage, jusqu'à la pointe Gordon; de là, jusqu'au feu de l'île Green; de là, vers l'ouest magnétique, jusqu'à une balise située sur la rive est de l'île Dundas; et de là, vers le sud et le long du rivage, jusqu'au point d'origine.

b) Le secteur 4 est composé des sous-secteurs suivants:

Sous-secteur 4-1

Les eaux du passage de la baie Hudson et du passage Brown, ainsi que les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de l'extrémité sud de l'île Dundas, vers l'ouest vrai, jusqu'à l'île Prince Leboo; de là, vers le sud et le long du rivage, jusqu'à l'extrémité sud de l'île Prince Leboo; de là, vers l'ouest vrai, jusqu'à la ligne de démarcation; de là, vers le sud et le long du rivage, jusqu'au feu des rochers Butterworth; de là, en droite ligne, jusqu'au feu des îles Triple; de là, jusqu'à la pointe Deans, sur l'île Melville; de là, vers le nord et le long du rivage, jusqu'à l'extrémité nord-est de l'île Melville; de là, vers l'extrémité sud-est de l'île Dunira; de là, vers le nord et le long du rivage est, jusqu'à l'extrémité nord de l'île Dunira; de là, vers l'ouest vrai, jusqu'à l'île Baron; de là, vers le nord et le long du rivage jusqu'à l'extrémité nord de l'île Baron; de là, vers le nord vrai, jusqu'à l'île Dundas; et de là, vers le sud-ouest et le long du rivage, jusqu'au point d'origine.

Sous-secteur 4-2

Les eaux du Déroit Hecate, et de la passe Edye, ainsi que les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir du feu des rochers Butterworth; de là, vers le sud et le long de la ligne de démarcation, jusqu'à un point situé à l'ouest vrai du feu des rochers Seal; de là, vers l'est vrai, jusqu'au feu des rochers Seal; de là, jusqu'à la pointe Welcome, sur l'île Porcher; de là, vers le nord et le long du rivage, jusqu'à la pointe Edwin; de là, jusqu'à la pointe View, sur l'île Arthur; de là, vers l'est et le long du rivage, jusqu'à l'extrémité est de l'île Arthur; de là, jusqu'à la pointe Morrell, sur l'île Prescott; de là, vers le nord et le long du rivage, jusqu'à une balise située au passage Stephens; de là, à travers le passage jusqu'à une balise située sur l'île Stephens; de là, vers le nord et le long du rivage jusqu'à la pointe Riel; de là, jusqu'à l'extrémité est de l'île Avery; de là, vers le nord et le long du rivage, jusqu'à l'extrémité nord-ouest; de là, jusqu'au rocher Harris, et de là, jusqu'au point d'origine.

Subarea 4-3

Those waters of Hecate Strait and adjacent waters inside a line from Welcome Point on Porcher Island to Seal Rocks light, thence true west to the surfline, thence southerly along the surfline to a point true west of Cape George on Porcher Island, thence true east to Cape George, thence along the shoreline to the point of commencement.

Subarea 4-4

Those waters of Edye Pass and adjacent waters inside a line from Pearce Point on Porcher Island to Morrell Point on Prescott Island, thence to the eastern most point of Arthur Island, thence westerly along the shoreline to View Point, thence to Edwin Point on Porcher Island.

Subarea 4-5

(a) Those waters of Chatham Sound and adjacent waters inside a line from Ryan Point on the mainland to Deans Point on Melville Island, thence northerly along the shoreline to the northeasternmost point, thence to the southeasternmost point of Dunira Island, thence northerly along the eastern shoreline to the northernmost point, thence true west to Baron Island, thence northerly along the easterly shoreline to the northernmost point, thence true north to Dundas Island, thence northeasterly along the shoreline to a marker true west of the light on Green Island, thence to the light on Green Island, thence to Gordon Point on Finlayson Island, thence along the westerly shoreline to a marker on Fortune Point, thence to the northernmost point of Mist Island, thence following the easterly shoreline to the southernmost point, thence to the northernmost point of Burnt Cliff Island, thence easterly and southerly along the shoreline to the southernmost point, thence to the northernmost point of South Island, thence along the easterly shoreline to the southernmost point, thence to Trenham Point on Tsimpsean Peninsula, thence to the point of commencement.

Subarea 4-6

Those waters of Pearl Harbour and adjacent waters inside a line from Pearl Point on Tsimpsean Peninsula to Cultivation Point on Burnt Cliff Island, thence westerly along the shoreline to the northernmost point, thence to the southernmost point of Mist Island, thence following the easterly shoreline to the northernmost point, thence to the westernmost Island of Flat Top Islands, thence to the easternmost point of Green Mound, thence true east to a marker on Tsimpsean Peninsula.

Sous-secteur 4-3

Les eaux du détroit d'Hecate et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Welcome, sur l'île Porcher, jusqu'au feu des rochers Seal; de là, vers l'ouest vrai, jusqu'à la ligne de démarcation; de là, vers le sud et le long de la ligne de démarcation, jusqu'à un point situé à l'ouest vrai du cap George, sur l'île Porcher; de là, vers l'est vrai, jusqu'au cap George; et de là, le long du rivage, jusqu'au point d'origine.

Sous-secteur 4-4

Les eaux de la passe Edye et les eaux adjacentes qui s'étendent en deçà d'une ligne tracée à partir de la pointe Pearce, sur l'île Porcher, jusqu'à la pointe Morrell, sur l'île Prescott; de là, jusqu'à l'extrémité est de l'île Arthur; de là, vers l'ouest et le long du rivage, jusqu'à la pointe View; et de là, jusqu'à la pointe Edwin, sur l'île Porcher.

Sous-secteur 4-5

Les eaux du goulet Chatham et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Ryan, sur le continent, jusqu'à la pointe Deans, sur l'île Melville; de là, vers le nord et le long de la rive, jusqu'à l'extrémité nord; de là, jusqu'à l'extrémité sud-est de l'île Dunira; de là, vers le nord et le long de la rive est, jusqu'à l'extrémité nord; de là, vers l'ouest vrai, jusqu'à l'île Baron; de là, vers le nord et le long de la rive est, jusqu'à l'extrémité nord; de là, vers le nord vrai, jusqu'à l'île Dundas; de là, vers le nord-est et le long de la rive, jusqu'à une balise située à l'ouest vrai du feu de l'île Green; de là, jusqu'au feu de l'île Green; de là, jusqu'à la pointe Gordon, sur l'île Finlayson; de là, le long de la rive ouest, jusqu'à une balise située sur la pointe Fortune; de là, jusqu'à l'extrémité nord de l'île Mist; de là, le long de la rive est, jusqu'à l'extrémité sud; de là, jusqu'à l'extrémité nord de l'île Burnt Cliff; de là, vers l'est et le sud et le long de la rive, jusqu'à l'extrémité sud; de là, jusqu'à l'extrémité nord de l'île South; de là, le long de la rive est, jusqu'à l'extrémité sud; de là, jusqu'à la pointe Trenham, sur la péninsule Tsimpsean; et de là, jusqu'au point d'origine.

Sous-secteur 4-6

Les eaux du havre Pearl et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Pearl, sur la péninsule Tsimpsean, jusqu'à la pointe Cultivation, sur l'île Burnt Cliff; de là, vers l'ouest et le long de la rive, jusqu'à l'extrémité nord; de là, jusqu'à l'extrémité sud de l'île Mist; de là, le long de la rive est, jusqu'à l'extrémité nord; de là, jusqu'à l'île située le plus à l'ouest des îles Flat Top; de là, jusqu'à l'extrémité est du tertre Green; et de là, vers l'est vrai, jusqu'à une balise située sur la péninsule Tsimpsean.

Subarea 4-7

Those waters of Big Bay and adjacent waters inside a line from Pearl Point on Tsimpsean Peninsula to Cultivation Point on Burnt Cliff Island, thence along the easterly shoreline to the southern most point of Burnt Cliff Island, thence to the northern most point of South Island, thence along the easterly shoreline to the southern most point of South Island, thence to the southern most point of Haycock Island, thence to Whitecliff Island, thence to Shattock Point on Tsimpsean Peninsula.

Subarea 4-8

Those waters of Big Bay and adjacent waters inside a line from Trenham Point on Tsimpsean Peninsula to the southern most point of South Island, thence to the southern most point of Haycock Island, thence in a straight line to Whitecliff Island, thence to Shattock Point on Tsimpsean Peninsula.

Subarea 4-9

Those waters of Chatham Sound and adjacent waters inside a line from Deans Point on Melville Island east to Ryan Point on the mainland, thence southerly along the shoreline to Observation Point, thence to Straith Point on Digby Island, thence along the westerly shoreline to Lima Point, thence to Hunt Point on Porcher Island, thence westerly along the shoreline to Pearce Point, thence to Morrell Point on Prescott Island, thence along the easterly shoreline to a marker at Stephens Passage, thence to a marker on Stephens Island opposite, thence northerly along the shoreline to Riel Point, thence to the eastern most point of Avery Island, thence northerly along the shoreline to the northwestern most point of Avery Island, thence to Harris Rock, thence to Deans Point on Melville Island.

Subarea 4-10

Those waters of Prince Rupert Harbour and adjacent waters bounded on the west by a line from Straith Point on Digby Island to Observation Point on the mainland and bounded on the south by a line from Lima Point on Digby Island to the southern most point of Kaien Island, thence along the northwesterly shoreline to Ritchie Point, thence to Pethick Point on Tsimpsean Peninsula.

Subarea 4-11

Those waters of Porpoise Harbour, Wainwright Basin, Morse Bay, and adjacent waters inside a line from the southern most point of Kaien Island to the northwestern most point of Ridley Island, thence southerly along the eastern shoreline to the southern most point of Ridley Island, thence to the western most point of Lelu Island, thence northerly along the shoreline to the northern most point of Lelu Island, thence to a marker on the shore of Tsimpsean Peninsula opposite; and bounded on the north by a line from Pethick Point to Richie Point on Kaien Island.

Sous-secteur 4-7

Les eaux de la baie Big et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Pearl, sur la péninsule Tsimpsean, jusqu'à la pointe Cultivation, sur l'île Burnt Cliff; de là, le long du rivage est, jusqu'à l'extrémité sud de l'île Burnt Cliff; de là, jusqu'à l'extrémité nord de l'île South; de là, le long du rivage est, jusqu'à l'extrémité sud de l'île South; de là, jusqu'à l'extrémité sud de l'île Haycock; de là, jusqu'à l'île Whitecliff; et de là, jusqu'à la pointe Shattock, sur la péninsule Tsimpsean.

Sous-secteur 4-8

Les eaux de la baie Big et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Trenham, sur la péninsule Tsimpsean, jusqu'à l'extrémité sud de l'île South; de là, jusqu'à l'extrémité sud de l'île Haycock; de là, en droite ligne jusqu'à l'île Whitecliff; et de là, jusqu'à la pointe Shattock, sur la péninsule Tsimpsean.

Sous-secteur 4-9

Les eaux du goulet Chatham et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Deans, sur l'île Melville, à l'est de la pointe Ryan, sur le continent; de là, vers le sud et le long du rivage, jusqu'à la pointe Observation; de là, jusqu'à la pointe Straith, sur l'île Digby; de là, le long du rivage ouest, jusqu'à la pointe Lima; de là, jusqu'à la pointe Hunt, sur l'île Porcher; de là, vers l'ouest et le long du rivage, jusqu'à la pointe Pearce; de là, jusqu'à la pointe Morrell, sur l'île Prescott; de là, le long du rivage est, jusqu'à une balise située au passage Stephens; de là, jusqu'à une balise située sur l'île Stephens opposée; de là, vers le nord et le long du rivage, jusqu'à la pointe Riel; de là, jusqu'à l'extrémité est de l'île Avery; de là, vers le nord et le long du rivage, jusqu'à l'extrémité nord-ouest de l'île Avery; de là, jusqu'au rocher Harris; et de là, jusqu'à la pointe Deans, sur l'île Melville.

Sous-secteur 4-10

Les eaux du havre Prince Rupert et les eaux adjacentes bornées, à l'ouest, par une ligne tirée à partir de la pointe Straith, sur l'île Digby, jusqu'à la pointe Observation, sur le continent; et bornées, au sud, par une ligne tirée à partir de la pointe Lima, sur l'île Digby, jusqu'à l'extrémité sud de l'île Kaien; de là, le long du rivage nord-ouest, jusqu'à la pointe Ritchie; et de là, jusqu'à la pointe Pethick, sur la péninsule Tsimpsean.

Sous-secteur 4-11

Les eaux du havre Porpoise, du bassin Wainwright et de la baie Morse, ainsi que les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de l'extrémité sud de l'île Kaien, jusqu'à l'extrémité nord-ouest de l'île Ridley; de là, vers le sud et le long du rivage est, jusqu'à l'extrémité sud de l'île Ridley; de là, jusqu'à l'extrémité ouest de l'île Lelu; de là, vers le nord et le long du rivage, jusqu'à l'extrémité nord de l'île Lelu; de là, jusqu'à une balise située sur la rive opposée de la péninsule Tsimpsean; et bornées, au nord, par une ligne tirée à partir de la pointe Pethick, jusqu'à la pointe Ritchie, sur l'île Kaien.

Subarea 4-12

(b) Those waters of Chatham Sound and adjacent waters inside a line from Hunt Point on Porcher Island thence to Lima Point on Digby Island, thence to the southernmost point of Kaien Island, thence to the northwesternmost point of Ridley Island, thence southerly along the shoreline to the southernmost point, thence to the westernmost point of Lelu Island, thence northerly along the shoreline to the northernmost point of Lelu Island, thence true east to a marker on the shore of Tsimpsean Peninsula, thence southeasterly along the shoreline to Gust Point, thence to Clara Point on De Horsey Island, thence southerly along the eastern shoreline to Parry Point, thence to the navigation light on Marked Tree Bluff on Kennedy Island, thence southerly along the shoreline to a marker true west of Inrig Point on the mainland, thence to Inrig Point, thence southerly along the shore to Buckley Point, thence to the northernmost point of Gibson Island, thence to Peninsula Point on Porcher Island, thence northerly along the eastern shoreline to the point of commencement.

Subarea 4-13

(a) Those waters of Brown Passage and adjacent waters inside a line from Deans Point on Melville Island, thence to Triple Islands Light, thence to Butterworth Rocks light, thence to Harris Rock, thence to the point of commencement.

Subarea 4-14

(a) Those waters of Cunningham Passage and adjacent waters inside a line from Redcliff Point on the mainland, thence to Duncan Point on Finlayson Island, thence southerly along the shoreline to Fortune Point, thence to the northernmost point of Mist Island, thence to the westernmost Island of Flat Top Islands, thence to the easternmost point of Green Mound, thence true east to a marker on Tsimpsean Peninsula, thence to the point of commencement.

Subarea 4-15

(b) Those waters of Telegraph Passage and adjacent waters inside a line from Mowitch Point on Tsimpsean Peninsula, thence westerly along the shoreline to Gust Point, thence to Clara Point on De Horsey Island, thence southerly along the eastern shoreline to Parry Point, thence to the navigation light at Marked Tree Bluff on Kennedy Island, thence southerly along the shoreline to a marker true west of Inrig Point on the mainland, thence to Inrig Point, thence northerly along the shoreline to a marker approximately one and one half miles easterly of Veitch Point, thence to the point of commencement.

Sous-secteur 4-12

Les eaux du goulet Chatham ainsi que les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Hunt, sur l'île Porcher, jusqu'à la pointe Lima, sur l'île Digby; de là, jusqu'à l'extrémité sud de l'île Kaien; de là, jusqu'à l'extrémité nord-ouest de l'île Ridley; de là, vers le sud et le long du rivage jusqu'à l'extrémité sud; de là, jusqu'à l'extrémité ouest de l'île Lelu; de là, vers le nord le long du rivage jusqu'à l'extrémité nord de l'île Lelu; de là, vers l'est vrai jusqu'à une balise située sur la rive de la péninsule Tsimpsean; de là, vers le sud-est et le long du rivage jusqu'à la pointe Gust; de là, jusqu'à la pointe Clara sur l'île De Horsey; de là, vers le sud le long du rivage est jusqu'à la pointe Parry; de là, jusqu'au feu de navigation sur Marked Tree Bluff sur l'île Kennedy; de là, vers le sud, le long du rivage jusqu'à une balise située à l'ouest vrai de la pointe Inrig sur le continent; de là, jusqu'à la pointe Inrig; de là, vers le sud et le long de la rive jusqu'à la pointe Buckley; de là, jusqu'à l'extrémité nord de l'île Gibson; de là, jusqu'à la pointe Peninsula sur l'île Porcher; de là, vers le nord et le long du rivage est jusqu'au point d'origine.

Sous-secteur 4-13

Les eaux du passage Brown et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Deans, sur l'île Melville; de là, jusqu'au feu des îles Triple; de là, jusqu'au feu des rochers Butterworth; de là, jusqu'au rocher Harris; et de là, jusqu'au point d'origine.

Sous-secteur 4-14

(a) Les eaux du passage Cunningham et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Redcliff, sur le continent; de là, jusqu'à la pointe Duncan, sur l'île Finlayson; de là, vers le sud et le long de la rive, jusqu'à la pointe Fortune; de là, jusqu'à l'extrémité nord de l'île Mist; de là, jusqu'à l'île située le plus à l'ouest des îles Flat Top; de là, jusqu'à l'extrémité est du tertre Green; de là, vers l'est vrai, jusqu'à une balise située sur la péninsule Tsimpsean; et de là, jusqu'au point d'origine.

Sous-secteur 4-15

(b) Les eaux de la passe Telegraph ainsi que les eaux adjacentes qui s'étendent en deçà d'une ligne tirée de la pointe Mowitch sur la péninsule Tsimpsean; de là, vers l'ouest le long du rivage jusqu'à la pointe Gust; de là, jusqu'à la pointe Clara sur l'île De Horsey; de là, vers le sud le long du rivage est jusqu'à la pointe Parry; de là, jusqu'au feu de navigation à Marked Tree Bluff sur l'île Kennedy; de là, vers le sud le long du rivage jusqu'à une balise située à l'ouest vrai de la pointe Inrig sur le continent; de là, jusqu'à la pointe Inrig; de là, vers le nord le long du rivage jusqu'à une balise située à environ un mille et demi à l'est de la pointe Veitch; de là, jusqu'au point d'origine.

(a) P.C. 1984-1318
(b) P.C. 1985-74

a) C.P. 1984-1318
b) C.P. 1985-74
c) C.P. 1987-681

5 (a) Area 5

Comprising those waters bounded inside a line commencing at Cape George on Porcher Island, thence following the western shoreline and continuing around the southern and eastern shoreline to Peninsula Point, thence to the northern most point of Gibson Island, thence to Buckley Point on the mainland, thence following the shoreline southerly to Sainty Point, thence to Yolk Point on Farrant Island, thence around the southerly shoreline to a marker at Peters Narrows, thence westerly to a marker on Pitt Island, thence southerly along the shoreline to Fleishman Point, thence to Deer Point on Banks Island, thence westerly along the shoreline to a marker true northeast of Terror Point, thence true southwest to Terror Point, thence northerly along the shoreline to a point true west of Cape George on Porche Island, thence to the point of commencement.

5 (a) Secteur 5

Ce secteur comprend les eaux qui s'étendent en deçà d'une ligne tirée à partir du cap George, sur l'île Porcher; de là, le long du rivage ouest, puis des rivages sud et est, jusqu'à la pointe Peninsula; de là, jusqu'à l'extrémité nord de l'île Gibson; de là, jusqu'à la pointe Buckley, sur le continent; de là, le long du rivage et vers le sud, jusqu'à la pointe Sainty; de là, jusqu'à la pointe Yolk, sur l'île Farrant, de là, le long du rivage sud, jusqu'à une balise située à la passe Peters; de là, vers l'ouest, jusqu'à une balise située sur l'île Pitt; de là, vers le sud et le long du rivage, jusqu'à la pointe Fleishman; de là, jusqu'à la pointe Deer, sur l'île Banks; de là, vers l'ouest et le long du rivage, jusqu'à une balise située au nord-est vrai de la pointe Terror; de là, vers le sud-ouest vrai, jusqu'à la pointe Terror; de là, vers le nord et le long de la ligne de démarcation, jusqu'à un point situé à l'ouest vrai du cap George, sur l'île Porche; et de là, jusqu'au point d'origine.

(b) Area 5 is composed of Subareas as follows:

Subarea 5-1

Those waters of Grenville channel and adjacent waters bounded on the north by a line from Buckley Point on the mainland to the northern most point of Gibson Island, thence to Peninsula Point on Porcher Island; and bounded on the south by a line from Baron Point on the mainland to Bonwick Point on Pitt Island, thence northwesterly along the shoreline to Rippon Point, thence to Peninsula Point on Porcher Island.

Subarea 5-2

Those waters of Ogden Channel and adjacent waters inside bounded on the north by of a line from Rippon Point on Pitt Island to Peninsula Point on Porcher Island, and on the south by a line from Sparrowhawk Point to the northwestern most point of McCauley Island, thence along the northerly shoreline to Strouts Point, thence true east to Pitt Island.

Subarea 5-3

Those waters of Kitkatla Channel and adjacent waters inside a line from Sparrowhawk Point on Porcher Island to the northwestern most point of McCauley Island, thence to the north tip of Browning Island, thence to the most northeastern tip of Dolphin Island, thence along the northerly shoreline to a marker at Kitkatla, thence to the eastern most point of a marker at Kitkatla, thence to the eastern most point of Goschen Island, thence to Chief Point on Porcher Island.

Subarea 5-4

Those waters of Kitkatla Inlet and adjacent waters bounded on the south by a line from Chief Point on Porcher Island to the eastern most point of Goschen Island, thence northerly along the shoreline to Nubble Point, thence to the northern most point of Coquitlam Island, thence to the eastern most point of Porcher Peninsula; and bounded on the north by a line from Whiteley Point on Porcher Island to Snass Point, thence true west to Gurd Island, thence along the northern shoreline to the western most point, thence true west to Porcher Peninsula.

Subarea 5-5

Those waters of Kitkatla Inlet and adjacent waters bounded on the south by a line from Snass Point on Porcher Island true west of Gurd Island; and bounded on the north by a line from Gurd Point on Gurd Island northerly approximately 356° true to a marker at the western entrance of Dries Inlet, thence to a marker on Porcher Island approximately one half mile south of Kitkatla Creek.

b) Le secteur 5 est composé des sous-secteurs suivants:

Sous-secteur 5-1

Les eaux du chenal Grenville et les eaux adjacentes bornées, au nord, par une ligne tirée à partir de la pointe Buckley, sur le continent, jusqu'à l'extrémité nord de l'île Gibson; de là, jusqu'à la pointe Peninsula, sur l'île Porcher; et bornées, au sud, par une ligne tirée à partir de la pointe Baron, sur le continent, jusqu'à la pointe Bonwick, sur l'île Pitt; de là, vers le nord-ouest et le long du rivage, jusqu'à la pointe Rippon; et de là, jusqu'à la pointe Peninsula, sur l'île Porcher.

Sous-secteur 5-2

Les eaux du chenal Ogden et les eaux adjacentes bornées, au nord, par une ligne tirée à partir de la pointe Rippon, sur l'île Pitt, jusqu'à la pointe Peninsula, sur l'île Porcher; et bornées, au sud, par une ligne tirée à partir de la pointe Sparrowhawk, jusqu'à l'extrémité nord-ouest de l'île McCauley; de là, le long du rivage nord, jusqu'à la pointe Strouts; et de là, vers l'est vrai, jusqu'à l'île Pitt.

Sous-secteur 5-3

Les eaux du chenal Kitkatla et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Sparrowhawk, sur l'île Porcher, jusqu'à l'extrémité nord-ouest de l'île McCauley; de là, jusqu'à l'extrémité nord de l'île Browning; de là, jusqu'à l'extrémité nord-est de l'île Dolphin; de là, le long du rivage nord, jusqu'à une balise située à Kitkatla; de là, jusqu'à l'extrémité est de l'île Goschen; et de là, jusqu'à la pointe Chief, sur l'île Porcher.

Sous-secteur 5-4

Les eaux de l'inlet Kitkatla et les eaux adjacentes bornées, au sud, par une ligne tirée à partir de la pointe Chief, sur l'île Porcher, jusqu'à l'extrémité est de l'île Goschen; de là, vers le nord et le long du rivage, jusqu'à la pointe Nubble; de là, jusqu'à l'extrémité nord de l'île Coquitlam; de là, jusqu'à l'extrémité est de la péninsule Porcher; et bornées, au nord, par une ligne tirée à partir de la pointe Whiteley, sur l'île Porcher, jusqu'à la pointe Snass; de là, vers l'ouest vrai, jusqu'à l'île Gurd; de là, le long du rivage nord, jusqu'à l'extrémité ouest de l'île; et de là, vers l'ouest vrai, jusqu'à la péninsule Porcher.

Sous-secteur 5-5

Les eaux de l'inlet Kitkatla et les eaux adjacentes bornées, au sud, par une ligne tirée à partir de la pointe Snass, sur l'île Porcher, vers l'ouest vrai, jusqu'à l'île Gurd; et bornées, au nord, par une ligne tirée à partir de la pointe Gurd, sur l'île Gurd, vers le nord et par environ 356° vrais, jusqu'à une balise située à l'entrée ouest de l'inlet Dries; et de là, jusqu'à une balise située sur l'île Porcher, à environ un demi-mille au sud du ruisseau Kitkatla.

Subarea 5-6

Those waters of Dries Inlet and adjacent waters northerly of a line from a marker at the western entrance of Dries Inlet to a marker on Porcher Island approximately one half mile south of Kitkatla Creek.

Subarea 5-7

Those waters of Serpentine Inlet and adjacent waters northerly of a line from a marker near the western entrance to Dries Inlet approximately 230° true to a marker on Porcher Peninsula near the southwestern entrance to Serpentine Inlet.

Subarea 5-8

Those waters of Kitkatla Inlet and adjacent waters bounded on the south by a line from the western most point of Gurd Island true west to Porcher Peninsula; and bounded on the north by a line from Gurd Point on Gurd Island northerly approximately 356° true to a marker at the western entrance of Dries Inlet, thence southwesterly approximately 230° true to a marker on Porcher Peninsula near the southwestern entrance to Serpentine Inlet.

Subarea 5-9

Those waters of Porcher Inlet and adjacent waters northerly of a line from Whiteley Point on Porcher Island to Snass Point on Porcher Island.

Subarea 5-10

Those waters of Browning Entrance and adjacent waters inside a line from the northwestern most point of McCauley Island to the north tip of Browning Island, thence true west to the northeastern tip of Dolphin Island, thence along the northerly shoreline to a marker at Kitkatla, thence to the eastern most point of Goschen Island, thence southerly along the shoreline to Viscount Point, thence to the northern most point of Banks Island, thence to Baird Point on McCauley Island.

Subarea 5-11

Those waters of Browning Entrance and adjacent waters inside a line from Viscount Point on Goschen Island to the northern most point of Banks Island, thence westerly along the shoreline to the northwestern most point of Banks Island, thence to White Rocks light, thence true west to the surfline, thence northerly along the surfline to a point true west of Cape George on Porcher Peninsula, thence true east to Cape George, thence to Joachim Point on Goschen Island.

Sous-secteur 5-6

Les eaux de l'inlet Dries et les eaux adjacentes qui s'étendent au nord d'une ligne tirée à partir de la balise située à l'entrée ouest de l'inlet Dries, jusqu'à une balise située sur l'île Porcher, à environ un demi-mille au sud du ruisseau Kitkatla.

Sous-secteur 5-7

Les eaux de l'inlet Serpentine et les eaux adjacentes qui s'étendent au nord d'une ligne tirée à partir d'une balise située près de l'entrée ouest de l'inlet Dries, par 230° vrais environ, jusqu'à une balise située sur la péninsule Porcher, près de l'entrée sud-ouest de l'inlet Serpentine.

Sous-secteur 5-8

Les eaux de l'inlet Kitkatla et les eaux adjacentes bornées, au sud, par une ligne tirée à partir de l'extrémité ouest de l'île Gurd, vers l'ouest vrai, jusqu'à la péninsule Porcher; et bornées, au nord, par une ligne tirée à partir de la pointe Gurd, sur l'île Gurd, vers le nord et par environ 356° vrais, jusqu'à une balise située à l'entrée ouest de l'inlet Dries; et de là, vers le sud-ouest et par environ 230° vrais, jusqu'à une balise située sur la péninsule Porcher, près de l'entrée sud-ouest de l'inlet Serpentine.

Sous-secteur 5-9

Les eaux de l'inlet Porcher et les eaux adjacentes qui s'étendent au nord d'une ligne tirée à partir de la pointe Whiteley, sur l'île Porcher, jusqu'à la pointe Snass, sur l'île Porcher.

Sous-secteur 5-10

Les eaux de l'entrée Browning et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de l'extrémité nord-ouest de l'île McCauley, jusqu'à l'extrémité nord de l'île Browning; de là, vers l'ouest vrai, jusqu'à l'extrémité nord-ouest de l'île Dolphin, de là, le long du rivage nord, jusqu'à une balise située à Kitkatla; de là, jusqu'à l'extrémité est de l'île Goschen; de là, vers le sud et le long du rivage, jusqu'à la pointe Viscount; de là, jusqu'à l'extrémité nord de l'île Banks; et de là, jusqu'à la pointe Baird, sur l'île McCauley.

Sous-secteur 5-11

Les eaux de l'entrée Browning et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Viscount, sur l'île Goschen, jusqu'à l'extrémité nord de l'île Banks; de là, vers l'ouest et le long du rivage, jusqu'à l'extrémité nord-ouest de l'île Banks, de là, jusqu'au feu des rochers White; de là, vers l'ouest vrai jusqu'à la ligne de démarcation; de là, vers le nord et le long de la ligne de démarcation, jusqu'à un point situé à l'ouest vrai du cap George, sur la péninsule Porcher; de là, vers l'est vrai, jusqu'au cap George; et de là, jusqu'à la pointe Joachim, sur l'île Goschen.

Subarea 5-12

Those waters of Freeman Passage and adjacent waters bounded on the northeast by a line from Nubble Point on Goschen Island to the northern most point of Coquitlam Island, thence to the eastern most point of Porcher Peninsula; and bounded on the southwest by a line from Joachim Point on Goschen Island to Cape George on Porcher Peninsula.

Subarea 5-13

Those waters of Principe Channel and adjacent waters bounded on the north by a line from the northern most point of Banks Island to Baird Point on McCauley Island; and bounded on the south by a line from Meet Point on McCauley Island true south to Wright Island, thence along the southern shoreline to Gibbons Point, thence to Headwind Point on Banks Island.

Subarea 5-14

Those waters of Petrel Channel and adjacent waters bounded on the north by a line from Strouts Point on McCauley Island true east to Pitt Island; on the south by a line from Petrel Point on Pitt Island to Foul Point on Anger Island, thence to Gibbons Point on Wright Island, thence along the southerly shoreline to a point true south of Meet Point on McCauley Island, thence true north to Meet Point on McCauley Island, and on the east by a line from Stark Point to Hevenor Point at the entrance to Hevenor Inlet.

Subarea 5-15

Those waters of Hevenor Inlet and adjacent waters inside and easterly of a line from Stark Point to Hevenor Point.

Subarea 5-16

Those waters of Ala Passage and adjacent waters bounded on the west by a line from Petrel Point on Pitt Island to Foul Point on Anger Island; and bounded on the south by a line from Becker Point on Pitt Island to the southern most point of Anger Island.

Subarea 5-17

Those waters of Principe Channel and adjacent waters bounded on the north by a line from Headwind Point on Banks Island to Gibbons Point on Wright Island, thence to Foul Point on Anger Island, thence southerly along the shoreline to the southern most point of Anger Island, thence to Becker Point on Pitt Island; and bounded on the south by a line from Fleishman Point on Pitt Island to Deer Point on Banks Island, but not including the waters of Area 5-18 and Area 5-19 bordering on the east side.

Sous-secteur 5-12

Les eaux du passage Freeman et les eaux adjacentes bornées, au nord-est, par une ligne tirée à partir de la pointe Nubble, sur l'île Goschen, jusqu'à l'extrémité nord de l'île Coquitlam; de là, jusqu'à l'extrémité est de la péninsule Porcher; et bornées, au sud-ouest, par une ligne tirée à partir de la pointe Joachim, sur l'île Goschen, jusqu'au cap George, sur la péninsule Porcher.

Sous-secteur 5-13

Les eaux du chenal Principe et les eaux adjacentes bornées, au nord, par une ligne tirée à partir de l'extrémité nord de l'île Banks, jusqu'à la pointe Baird, sur l'île McCauley; et bornées, au sud, par une ligne tirée à partir de la pointe Meet, sur l'île McCauley, vers le sud vrai, jusqu'à l'île Wright; de là, le long du rivage sud, jusqu'à la pointe Gibbons; et de là, jusqu'à la pointe Headwind, sur l'île Banks.

Sous-secteur 5-14

Les eaux du chenal Petrel et les eaux adjacentes bornées, au nord, par une ligne tirée à partir de la pointe Strouts, sur l'île McCauley, vers l'est vrai, jusqu'à l'île Pitt; bornées, au sud, par une ligne tirée à partir de la pointe Petrel, sur l'île Pitt, jusqu'à la pointe Foul, sur l'île Anger; de là, jusqu'à la pointe Gibbons, sur l'île Wright; de là, le long de la rive sud, jusqu'à un point situé au sud vrai de la pointe Meet, sur l'île McCauley; de là, vers le nord vrai, jusqu'à la pointe Meet, sur l'île McCauley; et bornées, à l'est, par une ligne tirée à partir de la pointe Stark, jusqu'à la pointe Hevenor, à l'entrée de l'inlet Hevenor.

Sous-secteur 5-15

Les eaux de l'inlet Hevenor et les eaux adjacentes qui s'étendent en deçà et à l'est d'une ligne tirée à partir de la pointe Stark, jusqu'à la pointe Hevenor.

Sous-secteur 5-16

Les eaux du passage Ala et les eaux adjacentes bornées, à l'ouest, par une ligne tirée à partir de la pointe Petrel, sur l'île Pitt, jusqu'à la pointe Foul, sur l'île Anger; et bornées, au sud, par une ligne tirée à partir de la pointe Becker, sur l'île Pitt, jusqu'à l'extrémité sud de l'île Anger.

Sous-secteur 5-17

Les eaux du chenal Principe et les eaux adjacentes bornées, au nord, par une ligne tirée à partir de la pointe Headwind, sur l'île Banks, jusqu'à la pointe Gibbons, sur l'île Wright; de là, jusqu'à la pointe Foul, sur l'île Anger; de là, vers le sud et le long du rivage, jusqu'à l'extrémité sud de l'île Anger; de là, jusqu'à la pointe Becker, sur l'île Pitt; et bornées, au sud, par une ligne tirée à partir de la pointe Fleishman, sur l'île Pitt, jusqu'à la pointe Deer, sur l'île Banks, à l'exclusion des eaux des sous-secteurs 5-18 et 5-19 en bordure, du côté est.

Subarea 5-18

Those waters of Mink Trap Bay, Patterson Inlet, and adjacent waters easterly of a line from Annie Point on Pitt Island northerly approximately 345° true to a marker on Pitt Island near the northerly entrance to Mink Trap Bay.

Subarea 5-19

Those waters of Port Stephens, Monckton Inlet, and adjacent waters easterly of a line from Littlejohn Point on Pitt Island to a marker on Pitt Island near Cranston Island.

Subarea 5-20

Those waters of Hecate Strait and adjacent waters inside a line from the northwestern most point of Banks Island to White Rocks light, thence true west to the surfline, thence along the surfline southerly to a point true west of Kelp Point on Banks Island, thence true east to Kelp Point, and not including the waters of Kingkown Inlet Area 5-21.

Subarea 5-21

Those waters of Kingkown Inlet and adjacent waters easterly of a line from a marker on Banks Island southeasterly approximately 122° true from Cliff Point on Antle Islands thence to Cliff Point, thence to the western most point of the most northern of the Antle Islands, thence in a straight line to Laverock Point on Banks Island.

Subarea 5-22

Those waters of Hecate Strait and adjacent waters inside of a line from Kelp Point on Banks Island true west to the surfline, thence southerly along the surfline to Terror Point, thence true northeast to Banks Island.

Subarea 5-23

Those waters of Grenville Channel and adjacent waters bounded on the north by a line from Baron Point on the mainland to Bonwick Point on Pitt Island; and bounded on the south by a line from Ormiston Point on Pitt Island true east to the mainland.

Subarea 5-24

Those waters of Grenville Channel bounded on the north by a line from Ormiston Point on Pitt Island true east to the mainland; and bounded on the south by a line from Sainty Point on the mainland to Yolk Point on Farrant Island, thence along the southerly shoreline to a marker at Peters Narrows, thence westerly to a marker on Pitt Island.

Sous-secteur 5-18

Les eaux de la baie Mink Trap et de l'inlet Patterson, ainsi que les eaux adjacentes qui s'étendent à l'est d'une ligne tirée à partir de la pointe Annie, sur l'île Pitt, vers le nord et par environ 345° vrais, jusqu'à une balise située sur l'île Pitt, près de l'entrée nord de la baie Mink Trap.

Sous-secteur 5-19

Les eaux de Port Stephens et de l'inlet Monckton, ainsi que les eaux adjacentes qui s'étendent à l'est d'une ligne tirée à partir de la pointe Littlejohn, sur l'île Pitt, jusqu'à une balise située sur l'île Pitt, près de l'île Cranston.

Sous-secteur 5-20

Les eaux du détroit d'Hecate et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de l'extrémité nord-ouest de l'île Banks, jusqu'au feu des rochers White; de là, vers l'ouest vrai, jusqu'à la ligne de démarcation; de là, le long de la ligne de démarcation et vers le sud, jusqu'à un point située à l'ouest vrai de la pointe Kelp, sur l'île Banks; de là, vers l'est vrai, jusqu'à la pointe Kelp, à l'exclusion des eaux du sous-secteur 5-21 de l'inlet Kingkown.

Sous-secteur 5-21

Les eaux de l'inlet Kingkown et les eaux adjacentes qui s'étendent à l'est d'une ligne tirée à partir d'une balise située sur l'île Banks, vers le sud-est et par environ 122° vrais à partir de la pointe Cliff, dans les îles Antle; de là, jusqu'à la pointe Cliff; de là, jusqu'à l'extrémité ouest de l'île nord des îles Antle; et de là, en droite ligne, jusqu'à la pointe Laverock, sur l'île Banks.

Sous-secteur 5-22

Les eaux du détroit d'Hecate et les eaux adjacentes qui s'étendent en deçà d'une ligne tirée à partir de la pointe Kelp, sur l'île Banks, vers l'ouest vrai, jusqu'à la ligne de démarcation; de là, vers le sud et le long de la ligne de démarcation, jusqu'à la pointe Terror; et de là, vers le nord-est vrai, jusqu'à l'île Banks.

Sous-secteur 5-23

Les eaux du chenal Grenville et les eaux adjacentes bornées, au nord, par une ligne tirée à partir de la pointe Baron, sur le continent, jusqu'à la pointe Bonwick, sur l'île Pitt; et bornées, au sud, par une ligne tirée à partir de la pointe Ormiston, sur l'île Pitt, vers l'est vrai, jusqu'au continent.

Sous-secteur 5-24

Les eaux du chenal Grenville bornées, au nord, par une ligne tirée à partir de la pointe Ormiston, sur l'île Pitt, vers l'est vrai, jusqu'au continent; et bornées, au sud, par une ligne tirée à partir de la pointe Sainty, sur le continent, jusqu'à la pointe Yolk, sur l'île Farrant; de là, le long de la rive sud, jusqu'à une balise située au goulet Peters; et de là, vers l'ouest, jusqu'à une balise située sur l'île Pitt.

PRINCE RUPERT TIDE TABLES

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PST Z + 8

1992

SEPTEMBER

OCTOBER

NOVEMBER

Day	Time	Ht./ft.	Ht./m.	Day	Time	Ht./ft.	Ht./m.	Day	Time	Ht./ft.	Ht./m.	Day	Time	Ht./ft.	Ht./m.	Day	Time	Ht./ft.	Ht./m.				
1	0410	19.8	6.0	16	0335	18.6	5.7	1	0440	18.4	5.6	16	0405	18.4	5.6	1	0610	17.1	5.2	16	0540	18.7	5.7
	1000	5.0	1.5		0920	6.8	2.1		1020	8.0	2.4		0940	8.5	2.6		1155	10.4	3.2		1135	9.1	2.8
TU	1615	21.7	6.6	WE	1530	20.1	6.1	TH	1625	20.1	6.1	FR	1545	20.1	6.1	SU	1750	17.3	5.3	MO	1735	18.8	5.7
	2250	3.8	1.2		2205	4.9	1.5		2310	5.1	1.6		2235	4.7	1.4								
2	0500	18.2	5.5	17	0415	17.7	5.4	2	0535	17.1	5.2	17	0455	17.6	5.4	2	0030	7.3	2.2	17	0010	5.3	1.6
	1045	6.8	2.1		0955	7.8	2.4		1110	9.4	2.9		1030	9.3	2.8		0715	16.8	5.1		0645	18.8	5.7
WE	1700	20.3	6.2	TH	1605	19.5	5.9	FR	1720	18.8	5.7	SA	1640	19.2	5.9	MO	1315	10.6	3.2	TU	1255	8.9	2.7
	2345	5.0	1.5		2255	5.5	1.7						2330	5.4	1.6		1900	16.5	5.0		1850	18.0	5.5
3	0600	16.7	5.1	18	0500	16.8	5.1	3	0010	6.4	2.0	18	0555	17.1	5.2	3	0135	8.0	2.4	18	0115	6.2	1.9
	1140	8.6	2.6		1035	8.9	2.7		SA	1225	10.4	3.2		0825	17.0	5.2		0750	19.2	5.9			
TH	1755	18.9	5.8	FR	1655	18.8	5.7	SA	1830	17.4	5.3	SU	1745	18.4	5.6	TU	1430	10.0	3.0	WE	1410	8.0	2.4
					2350	6.1	1.9						2020	16.2	4.9		2015	17.7	5.4				
4	0050	6.2	1.9	19	0605	15.9	4.8	4	0125	7.4	2.3	19	0040	5.9	1.8	4	0240	8.3	2.5	19	0225	6.7	2.0
	0715	15.6	4.8		1135	9.8	3.0		0810	15.9	4.8		0710	17.0	5.2		0925	17.6	5.4		0855	20.0	6.1
FR	1245	9.9	3.0	SA	1800	18.2	5.5	SU	1355	10.7	3.3	MO	1300	9.9	3.0	WE	1535	8.9	2.7	TH	1525	6.6	2.0
	1905	17.8	5.4						1955	16.8	5.1		1910	17.9	5.5		2130	16.5	5.0		2130	18.0	5.5
5	0210	6.9	2.1	20	0105	6.5	2.0	5	0240	7.6	2.3	20	0150	6.1	1.9	5	0340	8.3	2.5	20	0330	7.0	2.1
	0845	15.3	4.7		0730	15.6	4.8		0925	16.4	5.0		0825	17.7	5.4		1010	18.4	5.6		0950	21.0	6.4
SA	1420	10.5	3.2	SU	1305	10.3	3.1	MO	1515	10.0	3.0	TU	1430	9.0	2.7	TH	1625	7.7	2.3	FR	1625	5.0	1.5
	2030	17.4	5.3		1925	17.9	5.5		2110	16.9	5.2		2035	18.1	5.5		2225	17.1	5.2		2240	18.6	5.7
6	0330	6.9	2.1	21	0225	6.2	1.9	6	0345	7.3	2.2	21	0300	5.9	1.8	6	0425	8.1	2.5	21	0425	7.0	2.1
	1010	15.9	4.8		0855	16.3	5.0		1020	17.3	5.3		0930	19.0	5.8		1045	19.3	5.9		1040	21.9	6.7
SU	1540	10.0	3.0	MO	1440	9.8	3.0	TU	1615	8.9	2.7	WE	1545	7.3	2.2	FR	1705	6.3	1.9	SA	1715	3.6	1.1
	2145	17.7	5.4		2050	18.5	5.6		2215	17.5	5.3		2150	18.9	5.8		2315	17.8	5.4		2335	19.4	5.9
7	0430	6.3	1.9	22	0335	5.3	1.6	7	0440	6.9	2.1	22	0405	5.5	1.7	7	0505	7.8	2.4	22	0520	7.0	2.1
	1105	16.9	5.2		1005	17.7	5.4		1100	18.3	5.6		1025	20.4	6.2		1120	20.2	6.2		1130	22.6	6.9
MO	1640	9.0	2.7	TU	1555	8.2	2.5	WE	1700	7.8	2.3	TH	1640	5.4	1.6	SA	1745	5.1	1.6	SU	1805	2.5	.8
	2240	18.4	5.6		2205	19.5	5.9		2300	18.2	5.5		2250	19.8	6.0		2355	18.6	5.7				
8	0520	5.6	1.7	23	0435	4.3	1.3	8	0515	6.4	2.0	23	0455	5.0	1.5	8	0545	7.6	2.3	23	0605	7.0	2.1
	1145	17.9	5.5		1100	19.4	5.9		1135	19.2	5.9		1110	21.8	6.6		1150	20.9	6.4		1210	23.1	7.0
TU	1730	7.9	2.4	WE	1655	6.3	1.9	TH	1740	6.4	2.0	FR	1730	3.6	1.1	SU	1820	4.0	1.2	MO	1850	1.9	.6
	2330	19.1	5.8		2305	20.7	6.3		2345	18.9	5.8		2345	20.6	6.3								
9	0600	5.0	1.5	24	0525	3.3	1.0	9	0550	6.1	1.9	24	0545	4.8	1.5	9	0620	7.5	2.3	24	0115	20.4	6.2
	1215	18.7	5.7		1140	21.0	6.4		1205	20.0	6.1		1155	22.9	7.0		0620	7.5	2.3		0650	7.0	2.1
WE	1805	6.9	2.1	TH	1745	4.3	1.3	FR	1815	5.3	1.6	SA	1820	2.2	.7	MO	1225	21.5	6.6	TU	1255	23.1	7.0
					2355	21.6	6.6						1855	3.2	1.0		1930	1.8	.5				
10	0010	19.6	6.0	25	0610	2.7	.8	10	0020	19.4	5.9	25	0035	21.2	6.5	10	0115	19.6	6.0	25	0155	20.5	6.2
	0630	4.5	1.4		1225	22.4	6.8		0625	5.9	1.8		0630	4.9	1.5		0655	7.5	2.3	25	0735	7.3	2.2
TH	1245	19.5	5.9	FR	1835	2.7	.8	SA	1230	20.7	6.3	SU	1235	23.6	7.2	TU	1255	22.0	6.7	WE	1335	22.9	7.0
	1840	5.9	1.8						1845	4.3	1.3		1905	1.4	.4		1935	2.7	.8		2015	2.0	.6
11	0045	20.0	6.1	26	0045	22.2	6.8	11	0055	19.8	6.0	26	0120	21.4	6.5	11	0150	19.9	6.1	26	0235	20.3	6.2
	0700	4.3	1.3		0655	2.6	.8		0655	5.9	1.8		0710	5.2	1.6		0730	7.5	2.3	26	0815	7.6	2.3
FR	1310	20.1	6.1	SA	1300	23.4	7.1	SU	1300	21.2	6.5	MO	1315	23.7	7.2	WE	1330	22.1	6.7	TH	1415	22.2	6.8
	1915	5.1	1.6		1920	1.6	.5		1920	3.6	1.1		1945	1.2	.4		2010	2.4	.7		2055	2.7	.8
12	0115	20.2	6.2	27	0135	22.3	6.8	12	0130	20.0	6.1	27	0205	21.2	6.5	12	0230	19.9	6.1	27	0320	19.9	6.1
	0725	4.4	1.3		0735	3.0	.9		0720	6.1	1.9		0750	5.8	1.8		0805	7.7	2.3	27	0855	8.1	2.5
SA	1340	20.5	6.2	SU	1340	23.8	7.3	MO	1325	21.4	6.5	TU	1355	23.4	7.1	TH	1410	22.0	6.7	FR	1455	21.3	6.5
	1945	4.5	1.4		2005	1.2	.4		1955	3.3	1.0		2030	1.5	.5		2050	2.5	.8		2135	3.5	1.1
13	0150	20.1	6.1	28	0220	21.8	6.6	13	0205	19.9	6.1	28	0250	20.6	6.3	13	0310	19.7	6.0	28	0400	19.3	5.9
	0755	4.7	1.4		0815	3.9	1.2		0755	6.5	2.0		0830	6.7	2.0		0850	8.1	2.5	28	0940	8.7	2.7
SU	1405	20.7	6.3	MO	1420	23.6	7.2	TU	1355	21.5	6.6	WE	1430	22.5	6.9	FR	1450	21.6	6.6	SA	1535	20.2	6.2
	2015	4.2	1.3		2050	1.4	.4		2030	3.2	1.0		2110	2.4	.7		2135	2.9	.9		2215	4.6	1.4
14	0225	19.8	6.0	29	0305	20.9	6.4	14	0240	19.6	6.0	29	0335	19.8	6.0	14	0355	19.3	5.9	29	0440	18.7	5.7
	0820	5.2	1.6		0855	5.1	1.6		0825	7.0	2.1		0915	7.7	2.3		0935	8.5	2.6		1025	9.3	2.8
MO	1430	20.7	6.3	TU	1500	22.8	6.9	WE	1430	21.3	6.5	TH	1515	21.4	6.5	SA	1535	20.8	6.3	SU	1620	19.0	5.8
	2050	4.2	1.3		2135	2.3	.7		2105	3.5	1.1		2155	3.6	1.1		2220	2.5	.7		2250	5.7	1.7
15	0255	19.3	5.9	30	0350	19.8	6.0	15	0320	19.0	5.8	30	0420	18.8	5.7	15	0445	19.0	5.8	30	0525	18.2	5.5
	0850	5.9	1.8		0935	6.5	2.0		0900	7.7	2.3		1000	8.7	2.7		1030	8.9	2.7		1120	9.8	3.0
TU	1500	20.5	6.2	WE	1540	21.6	6.6	TH	1505	20.8	6.3	FR	1600	20.0	6.1	SU	1630	19.9	6.1	MO	1710	17.7	5.4
	2125	4.4	1.3		2220	3.6	1.1		2145	4.0	1.2		2240	4.9	1.5		2315	4.4	1.3		2340	6.8	2.1

1992 STAFF AND MANAGEMENT RESOURCES

DFO Staff

Area Manager.....Norm Lemmen
 Associate Area Manager.....Tom Perry
 District Supervisor.....Robb Wilson
 Assistant District Supervisor.....David Einarson
 Senior Biologist.....Dave Peacock
 Management Biologist.....Les Jantz
 Fishery Officer I/C, Area 4.....Shane Neifer
 Fishery Officer I/C, Area 5.....Dave Rekdal
 Fishery Officer.....Ben York
 District Clerk.....Venera Mastroianni
 Sub-district Clerk (Areas 3,4,5 and WF)....Judi Tough

Charter Patrol Staff

Area 4

Skeena River - Dave Lewis, M.V. Princeton I
 June 22 to October 7
 90 days at \$355/day Total \$30,150

Edye Pass/Stephens Island - Jim Gale, M.V. Zona G
 June 15 to September 15
 80 days at \$250/day Total \$20,000

North Boundary - Robert Nelson, M.V. Blythe Isle
 June 26 to August 16
 35 days at \$335/day Total \$11,725

Ecstall River Patrolman - Mike Murphy/Steve Wessel
 July 13 to August 26
 45 days at \$210/day Total \$9,450

Total Area 4 - 250 days for \$71,325

Area 5

Ogden Channel - Kent Wyles, M.V. Grizzly Bear
 June 19 to October 5
 95 days at \$375/day Total \$35,625

Browning Entrance - Ron Thomson, M.V. Katherine B
 July 4 to October 10
 95 days at \$370/day Total \$35,150

Total Area 5 - 190 days for \$70,775

Total all Patrol Staff

440 charter days for \$142,100

Fisheries Patrol Vessels**Area 4**

Smith Island - FPV Petrel Rock
 Captain - Mike Walters
 Engineer/Deckhand - Dan Lavalee/Dean Weeks

Outside Stephens - FPV Kitimat II
 Captain - Mike Calli
 Mate - Dan Shellenburg
 Engineer - Bill Harding
 Cook/Deckhand - Dave McMeekin

Area 5

Ogden Channel - FPV Beaver Rock
 Captain - Will Frowd
 Engineer - Dana Pike
 Cook/Deckhand - Mel Leask

Aircraft**Area 4**

Fixed Wing
 9 Gear Flights - \$6,761.70

Rotary Wing
 3 Enumeration Flights - \$4838.55

Area 5

Fixed Wing
 3 Enumeration Flights - \$5058.00

Total Expenditure

Fixed Wing - \$11,819.70
 Rotary Wing - \$5,058.00
\$16,877.77

Other**Management Biology Unit**

Tyee Test Fishery #1
 Robert Johnson - M.V. Silver Token
 June 8 - September 10

Tyee Test Fishery #2 (Tsimshian)
 Robert Johnson - M.V. Sherry J
 June 29 - August 31

Weedline Study
 6 gillnetters, various nets
 July 15 - September 4

Babine Counting Fence
 Sockeye enumeration
 July 29 - September 29

Tsimshian Troll Test Fishery
 15 vessels, trolling for sockeye
 July 16 - August 19

Sub-districts

The following sub-districts supply RMS information:
 -Prince Rupert Waterfront
 -Terrace
 -Hazelton
 -Smithers

SEP staff conduct some enumeration work as well as their role in salmon enhancement on Skeena River tribs and at Oona River.

TOTALS - Areas 4 and 5

Charter Patrolmen Area 4.....	\$71,325.00
Charter Patrolmen Area 5.....	\$70,775.00
Gear Flights.....	\$6,761.70
Enumeration Flights Area 4.....	\$4,838.55
Enumeration Flights Area 5.....	\$5,058.00
O & M Area 4.....	\$5,000.00
O & M Area 5.....	\$5,000.00
TOTAL.....	\$168,757.25

Adequacy of Resources

AREA 4

Shane K. Neifer
 Sub-district Fishery Officer
 Skeena

Overtime - Again this year Fishery Officer overtime budgets were reduced. Sub-district allocation was replaced with an individual allocation in 1991. Area 4 summer budget (salmon) in 1991 it was \$4,000 and this year it was \$3,700. With overtime allocations reduced and with annual and contract stipulated wage increases overtime will soon not be undertaken. If this is the will of this department or the Federal Government then an entirely new method of fish management and enforcement will be required. Fisheries are presently short and intense and require many hours to monitor. Upon the completion of a weekly fishery a great deal of time must be spent review and recording what occurred as a means to predict what will occur in the following week or year.

Alternative methods of managing fisheries have been suggested but there has not yet been a suggestion that could replace the present way we do business. Therefore the only solution to the overtime problem would be more Fishery Officers/Guardians working in shifts. Would this solve the governments financial problem?

Personnel - Area 4 is a one man sub-district and is lent the Prince Rupert Waterfront GT-02 during the six week period of peak salmon fishing. Traditionally and again this year this Area receives no enforcement support from the GIS Unit. In the past, when slippage was available, a Fishery Guardian has been hired during the summer months to support the sub-district. These resources are not available when all coastal positions are full.

These personnel resources are absolutely inadequate. Area 4 has the second largest gillnet fishery on the coast and can have well over 800 vessels participating during a single opening. The geographical area available to fishing during these open periods is far more expansive than those open at the mouth of the Fraser River.

This lack of staff has perpetuated the extensive enforcement problems which are continuously rumoured to be present in Area 4. During the very few opportunities available to do enforcement work charges are almost always laid.

This sub-district requires a full time GT-02 Fishery Officer plus at least one and preferably two 4 to 5 month guardian positions for the summer months. These resources have been requested for many seasons but are of even greater need to fulfil the requirements for the proper management and control of the existing fisheries and the new AFS fisheries.

Patrol Vessels

The Sub-district vessel is the Petrel Rock. This vessel is very inadequate. It is day boat that has been assigned the task of containing personnel for up to five days. Accommodations on this vessel are atrocious. The vessel has a crew of two which occupy the only two bunks. The fishery officer must break down the galley table for a bunk. If two fishery officers/guardians are on board one gets the floor. This was the case this season when a trainee officer needed to work alongside a more experienced officer. There is no space to work on the vessel. This vessel is also too small to withstand any adverse weather conditions or store food and equipment for any extended trips.

This years crew worked very well. It was very unfortunate that the department lost the engineer/deckhand, Dan Lavalee, as a result of their inability or unwillingness to fill the vacant position he had occupied on a term basis for the past two seasons. With no security or benefits he had to leave the

department. He was a valuable asset to the sub-district officer with his willingness and ability to conduct fisheries management and enforcement duties. He was replaced by a willing but very inexperienced individual.

The Kitimat II was again in Area 4 for most weeks during the salmon season. This vessel monitors the outside areas and maintains the much needed presence. The size of this vessel (at +/- 60 feet) is required to be able to withstand adverse weather conditions and the large area she patrols. The crew has been together for some time and are very competent at their duties.

Rumour has it that this vessel will not be available to Area 4 next year. If this is the case the sub-district will be severely crippled in its management and enforcement duties and will likely lose the outside information required for projecting run timing and diversion.

Charter Patrolmen

Ocean resources remained the same this year, with 3 charter patrol vessels and 205 days. These are adequate but must not be reduced. If the Area is to lose the Kitimat II a fourth charter should be put in place for the outside Areas. This vessel will have to be of moderate size and speed with a master that is able to work well with little supervision.

The Ecstall River charter patrol contract had to be extended for a further 10 days to total 45 days. This extension was necessary to monitor the activities of guide operators which remained on the river, fishing catch and release, after the chinook closure. These extra days will be required in perpetuity.

Funding

The sub-district O & M budget was \$5,000. This is a decrease of \$1,000 from last year. This budget was exceeded to cover a portion of the extension to the Ecstall River patrol contract and for the ongoing repairs to the engine of the sub-district jet boat. A \$5,000 budget is adequate once the contract extension is approved and the tired jet boat engine is replaced.

Capital Acquisitions

The sub-district received a new 18.5 foot rigid hull inflatable boat complete with a 70hp outboard engine. This skiff is an excellent vessel but is slightly under powered.

The requirements for the sub-district prior to next season are a new 150hp OMC, Yamaha or Mariner outboard engine, complete with a jet drive, for the jet boat. A new 32 inch bar chain saw is also

required to facilitate repairs and ongoing maintenance to the sub-district cabin on the Ecstall River.

AREA 5

Dave Rekdal
Sub-district Officer
Grenville/Principe

I have read the Record of Management Strategies for the past five years and have come to the following conclusions,

1. The resources in this Area are inadequate, however it appears the job somehow got done as most of the creeks were assessed in a fully satisfactory manner, the commercial fisheries were managed to obtain the optimal catches and most fishermen appeared happy and very little illegal activity seems to have occurred as most fishermen in the area are professional and abide by the Regulations.
2. It is apparent that this stems from the dedication and professionalism of the staff be it the Subdistrict Officer, patrol vessel crew and the charter patrolman and their relationship with the various users of the resource.
3. If such is the case with few exceptions then it would suggest to the reader of the RMS that resources appear adequate given that the same staff is available every year to provide a continuity of service with respect to Salmon Management and Enforcement.
4. In order to achieve this continuity I would suggest that the previous staff performed these duties free of charge to the public service incurring many hours of labour without remuneration or compensation.
5. I suggest this because out of the 31 days that were commercially fished in 1993 in Area 5, the Subdistrict officer was not on grounds for 21 of those days, the Beaver Rock was not in the Area for 10 of those days and in one week the only resource available was one charter patrolman and he conducted the Area fishery on his own for 1 day with no support and yet the base level or perception from the fleet was that the fishery was being managed effectively by DFO.
6. I am somewhat bemused by the RMS doctrine which suggests that as a result of this document when read that the author's remarks will be utilized in a functional manner and its information used to formulate workplans to obtain the necessary resources to maintain the fishery. Obviously the authors are telling the readers every year that the job is getting done for Salmon.

7. What needs to be written at the end of the Document is to say that the Salmon Resource Management is getting done to a satisfactory level but that the rest of the Fisheries Resources in the Subdistrict are not being addressed to this minimum level and the resources required need to be sought such that an effective year round presence will be afforded in the Subdistrict.

I fail to see the need to restate for the sixth time what has previously been stated by no less than three of my predecessors that being a minimum level of service is being maintained on Salmon and that an inferior level of service is being maintained in the Subdistrict on other resources and this is where the resources are inadequate. In future I will suggest to the authors of this document that this section is not having any affect on securing what is written each year as resources continue to decline and yet the job still gets done. Until we lose a fishery I believe this effort to be a waste of time and recommend it be deleted from the RMS and replaced by a section on what wasn't done with respect to Salmon Management and Enforcement.

Enforcement Summary

The following are the charges and warnings laid during salmon season for salmon offenses:

<u>OFFENCE</u>	<u>No. CHARGED</u>	<u>No. WARNED</u>
Fish during close time	5	
No PCFL	3	
GN with large mesh	4	
Use a set GN	1	
Abandon a GN		1
TOTAL	13	1

In addition, two people were charges for failing to record their chinook catch on their sportfish license.

Area 4 needs far more enforcement presence. As a result of the introduction of the AFS and the departments new and constantly changing policies in regards to enforcement with regards native fishermen, there was dramatic increase in food fish caught with commercial gillnets entering the commercial markets. The sub-district does not have the resourses or manpower to adequately deal with the problem and the field perceives that those in higher positions in the department either don't believe the problem exists or feel that the problem is small and unimportant. The perception from the fleet, native and non-native, is that DFO is unwilling to deal with a food fish problem and have threatened to deal with situation themselves, through violence if necessary.

Legislation, Policy and resources must be put in place to manage the tidal water food fishery in a manner agreeable to all. These rules must be expressed prior to any salmon fisheries and then be strictly adhered to throughout the season. This will lend greatly to native/non-native relations, a more positive public perception of the department and a more fluent commercial season.

Post Season Summary and AssessmentAREA 41. Pre-Season Expectations

	Sockeye	Coho	Pink	Chum	Chinook
Expected Return	2,300,000	*	3,800,000	100,000	*
Target Escapement	1,000,000		1,000,000	50,000	
<u>SURPLUS</u>	<u>1,300,000</u>		<u>2,800,000</u>	<u>50,000</u>	

* Expectations are not calculated for coho and chinook. No directed fisheries will occur on chum stocks, catch will be incidental to sockeye and pink fisheries.

2. Post Season

Catch:	Sockeye	Coho	Pink	Chum	Chinook	Jack	STHD-K	STHD-R
<u>Commercial</u>								
GN	1207577	24534	853253	53478	12905	1040	2278	1792
SN	91784	2225	365442	7367	514	0	5	58
<u>TOTAL</u>	<u>1299361</u>	<u>26759</u>	<u>1218695</u>	<u>60845</u>	<u>13419</u>	<u>1040</u>	<u>2283</u>	<u>1850</u>

Sport

Tidal River:	unknown, see sportfish report in appendices							
A4	0	270	0	0	30			
Terrace	100	480	4000	0	2500			
Hazelton	50	0	2500	0	1200			
Smithers	0	10	400	0	1300			
<u>TOTAL</u>	<u>150</u>	<u>760</u>	<u>6900</u>	<u>0</u>	<u>5030</u>			

IFF

A4	catch figures were not submitted							
Terrace	catch figures were not submitted							
Hazelton	70000	2200	25000	500	6000			
Smithers	48231	100	1450	0	5361			59
<u>TOTAL</u>								<u>*unknown*</u>

Escapement

1992	1550709	34127	817135	8090	63392			
Target	1000000	216375	1000000	50000	97710			
Run Size	*unknown as IFF catch can't be factored*							

AREA 5**1. Pre-Season Expectations**

	Sockeye	Coho	Pink	Chum	Chinook
Expected Return	66000	*	630000	20655	*
Target Escapement	50000		250000	25000	
SURPLUS	116000		380000	0	

* Expectations are not calculated for coho and chinook. No directed fisheries will occur on chum stocks, catch will be incidental to sockeye and pink fisheries.

Fishery is directed on returning Skeena River stocks.

2. Post Season

Catch: Sockeye Coho Pink Chum Chinook Jack STHD-K STHD-R

Commercial

GN	36101	4989	21137	6142	83	12	30	16
SN	26099	1601	176655	3580	367	0	6	14
TOTAL	62200	6590	197792	9722	450	12	36	30

Sport

No resources were available to acquire this information.

IFF

21 GN and 1 SN licences issued for a reported catch from 19 GN and 1 SN of:

3463	86	365	156	18	0	3
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Escapement

1992	22870	3442	43267	754	10
Target	50000		250000	25000	

Run Size - unable to assess as catch was largely Skeena stocks

Commercial Net Fishery Summary

The commercial fishery commenced in on June 29 with gillnets open in Areas 3, 4 and 5. Good sockeye catches extended this one day assessment fishery to three days. Sockeye strength remained good throughout the season and into traditional pink management periods. A protest early in the season may have biased this gillnet catch as seine participation remained low in the North

Coast. The first seine opening in Area 5 was on July 12. The first seine opening in Area 4 was on July 25. The last fishery in Area 5 was on August 18, and the last opening in Area 4 was on August 30. The North Coast was closed for the balance on September 10. The sockeye run was larger than expected and the pink runs, especially coastal, were much weaker than expected.

Area 4

First Commercial Opening.....	June 29
Last Commercial Opening.....	August 30
Closed for the Balance.....	September 10
Total GN Days.....	24.66
Total Accumulated GN Effort.....	10429 days
Total SN Days.....	10.33
Total Accumulated SN Effort.....	174.33 days

Area 5

First Commercial Opening.....	June 29
Last Commercial Opening.....	August 18
Closed for the Balance.....	September 10
Total GN Days.....	23.66
Total Accumulated GN Effort.....	345.33 days
Total SN Days.....	16.33
Total Accumulated SN Effort.....	128 days

Sport Fishery Summary

The coastal component of the sport fishery appeared to increase in effort and catch this year. As resources were again cut, good catch and effort information is not available outside of the results obtained by Steve Cox-Rogers from a Charter Boat reporting program he ran. A summary of his results are included in the appendices.

This was the second year of a non-tidal sport fishery for sockeye and pinks. As can be seen by the above numbers sockeye appear to be eluding the average sportfisher while pinks offer another salmon opportunity.

The patrolman on the Ecstall River was extended a further 10 days this year. This extension reflected the increased guide activity past the chinook close time. Mike Murphy's report is contained in the sport fish summary.

Indian Food Fishery Summary

Acquisition of IFF catch figures was irregular for the second season in a row. The task of issuing fishing permits and

collecting of catch statistics has been relinquished to bands and Tribal Councils. Numbers came in from all Skeena bands except for the Tsimshian's. All Tsimshian bands in District 8, excluding Kitkatla, decided that supplying food fish numbers was not in their best interest as these numbers could be used against them in future land and sea claim settlements. The TTC claims that they do have the information.

Escapement and Overwintering Summary

Sockeye escapements were excellent this year. Pink escapements, especially on the coast were terrible. Chinook escapements are approaching record levels. Coho escapements are poor in the upper Skeena, good in the middle Skeena and, due to poor conditions during enumeration, unknown on the coast. There is still a few chums around but they appear to be moving in the same direction as the dinosaur.

To compound the pink problem and to deflate the jubilation of good sockeye and chinook returns, we experienced about a month low flows and bitter cold during December and January which could quite adversely affect eggs in the substrate.

Fence counts for the Babine River are unreliable this season due to its late installation and problems with species identification. The fence was run this season by non departmental personnel.

WEEKLY RECORD OF MANAGEMENT STRATEGIES

1992 SALMON R.M.S. - WEEKLY NOTES

AREA'S 4 and 5

WEEK 27, JUNE 28 - JULY 04

AREA 4 & 5 WEEKLY MANAGEMENT PLAN

TARGET SPECIES: Skeena Sockeye
FOR WEEKLY FISHING PERIOD: June 28 - July 4 1992

MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess and Harvest Skeena River Sockeye stocks.

Date and Time Open: 1800h June 29 1992

Anticipated Date and Time Closed: 1800h June 30 1992

Sub-areas Open: 4-1 to -5, -8, -9, -12 to -15, 5-1 to -3, -10 to -12, a portion of -13 north of a straight line between a boundary sign located approximately one nautical mile north of Keswar Point and a boundary sign on the Banks Island shore opposite.

Gear Type: Gillnet and Troll (Area 5 already open to Troll)

Gear Restriction: 137mm maximum mesh size to enhance sockeye catch and conserve chinook and chum stocks.

Boundary Changes: none

Extensions: Extend 24h to July 1
 Extend 24h to July 2

Other Comments: Extensions a result of well above average catches for this time of the year.

WEEKLY NOTES - AREAS 4 & 5

Monday, June 29- Areas 3, 4 and 5 opened at 1800h. A gear flight was conducted for Area 4 and a total of 330 gillnetters were observed in the following portions:

Slough - 22	River - 35	Gap - 8	4-12 - 144
4-4/4-9 - 27	N.Boundary - 46	H.B.Pass - 4	O.Stephens - 36
Oval Bay - 5	Edye Pass - 2		

First set hauls appeared respectable with averages as high as 40 sockeye in 4-12. Escapement has not changed much. Weekly escapement for the end of last week was 28,121. Well below the weekly desired of 60,519. The cumulative of 32,685 is again well below the desired of 121,041. This may be a result of the high water which could skew the test fishery to under estimate. The large tides occurring at this time are also likely holding fish out of the river.

Tuesday, June 30- Above average catches within the first 12h resulted in an additional 24h of fishing time. The Area 4 average was 70.4 for sockeye with averages as high as 149 on the North Boundary. Fish still don't appear to be moving up the Skeena.

Wednesday, July 1- Overnight averages remained high for this early in the season. The larger catches were in the outside areas with 12h averages in the River down to 18 sockeye. With this small fleet and good outside averages it was recommended to go another day. The catches and escapement in the Nass are incredible which would suggest good ocean survival and would result in the run size being above pre-season prediction. We are hoping for and suspecting a similar situation for the Skeena although early indications are that the Skeena is not as strong as the Nass.

Thursday, July 2- We are into the third day of our first opening. Catches remain high for this early in the season. Today's hauls are good, even as first day catches. We are nearing the back of the tide and it is felt that it would prudent to let some salmon start to move up the River. The fishermen were also starting to ask for a break. No one expected to go three days in the beginning. The combination of the fishing effort and the tides have all but stopped the escapement to the Skeena. Close 1800h as scheduled.

INFORMATION AND RATIONALE FOR NEXT WEEK

Escapement up to Thursday July 2 for the Skeena River are still well below desired levels. It is felt that with the River starting to drop and tides starting to decrease, fish should start to move pretty good by Saturday. Reports at the close of this weeks fishing were that the outside fishermen were starting to get good sets during the last two hours of the opening. This would suggest that more fish are moving in.

With this weeks catches in Area's 3,4 & 5 we should expect a larger fleet next week.

RECOMMENDATION FOR NEXT WEEK

Recommendation is to open sub-areas 4-1 to -5, -8, -9, -12 to -15 and 5-1 to -3, -10 to -12, and a portion of 5-13 north of the Keswar Point boundary signs, for 48h to gillnets commencing Sunday July 5 at 1800h. Maximum mesh size of 137mm to conserve chinook and chum stocks. It is felt that a Sunday opening is needed to get a jump on the passing fish and to leave our options open for a mid-week break and going again at the end of the week.

Recommendation accepted.

1992 SALMON R.M.S. - WEEKLY NOTES

AREA'S 4 and 5

WEEK 28, JULY 05 - JULY 11

AREA 4 & 5 WEEKLY MANAGEMENT PLAN

TARGET SPECIES: Skeena Sockeye
FOR WEEKLY FISHING PERIOD: July 5 - July 11, 1992

MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess and Harvest Skeena River Sockeye stocks.

Date and Time Open: 1800h July 5, 1992

Anticipated Date and Time Closed: 1800h July 7, 1992

Sub-areas Open: 4-1 to -5, -8, -9, -12 to -15, 5-1 to -3, -10 to -12, a portion of -13 north of a straight line between a boundary sign located approximately one nautical mile north of Keswar Point and a boundary sign on the Banks Island shore opposite.

Gear Type: Gillnet and Troll (Area 5 already open to Troll)

Gear Restriction: 137mm maximum mesh size to enhance sockeye catch and conserve chinook and chum stocks.

Boundary Changes: none

Extensions: None

Other Comments: Rate of catch and escapement did not warrant any extension.

WEEKLY NOTES - AREAS 4 & 5

Sunday, July 5- Areas 3, 4 and 5 opened at 1800h. A gear flight was conducted for area 4 and a total of 486 GN,s were observed. Distribution was as follows:

Slough - 4	River - 70	Gap - 16	4-12 - 179
4-4/4-9 - 59	N.Boundary - 96	H.B.Pass - 29	O.Stephens - 25
Oval Bay - 7	Edye Pass - 1		

As with last week, first set hails were again respectable with about 20 - 24 sockeye being the Area wide average. Fish were just starting to move up the river yesterday as these large tides are starting to subside. The test fishery is still showing that escapement for last week is still far below desired levels.

Desired escapement of 91,808 was far from achieved with only 18,967 sockeye estimated to have passed the test site at Tyee.

Monday, July 6- Fair catches were being reported for the first 12h of the fishery although no hard numbers were recorded. The 24h averages are quite respectable with an average of 192 sockeye in Area 4 and 101 sockeye in Area 5.

Escapement finally started to rise yesterday with the largest daily escapement of the year. The tides are starting to recede which will allow the fish to migrate and will give a more reliable escapement indication at the test site.

Tuesday, July 7- Last nights' catches remained fairly good with Area 4 averaging about 65 sockeye for the past 12h.

As a result of the fishing pressure the escapement has again started to decline. At the morning management meeting it was decided to close Areas 4 and 5 tonight as scheduled and to extend Area 3 for a further 24h. The rationale is that sockeye are just starting to move in the Skeena and it is prudent to put some fish in the river. The sockeye return to Area 3 still remains incredibly strong and there is no danger of over harvesting of sockeye.

Catch averages for the last 24h remained quite respectable with 134 and 137 sockeye average for Areas 4 and 5 respectively. Some pink salmon are also starting to show up in the Browning Entrance area. Pink average here for the last 24h was 47.

INFORMATION AND RATIONALE FOR NEXT WEEK

This next week should be the peak week of the Pinkut enhanced stocks. We can expect stronger stocks and a larger fleet. We are still quite behind in our escapement index past Tyee but there is a general feeling that the high water and large tides may have resulted in underestimation of the returning stocks. The escapement has jumped up a bit yesterday (Wednesday, July 8) and is looking better for the remainder of the week. Sockeye returns to Area 3 remain very strong.

RECOMMENDATION FOR NEXT WEEK

Recommendation is to open sub-areas 4-1 to -5, -8, -9, -12 to -15 and 5-1 to -3, -10 to -12, and a portion of 5-13 north of the Keswar Point boundary signs, for 48h to gillnets commencing Sunday July 12 at 1800h. Maximum mesh size of 137mm in Area 4, to conserve chinook and chum stocks, and 165mm in Area 5 as seines will be starting in Areas 3 and 5 this week. Open the above Area 5 sub-areas to purse seine for 24h commencing Sunday July 12. Minimum bunt of 70mm.

It is felt that a Sunday opening is needed to get a jump on the passing fish and to leave our options open for a mid-week break and going again at the end of the week.

Recommendation accepted.

1992 SALMON R.M.S. - WEEKLY NOTES**AREA'S 4 and 5****WEEK 29, JULY 12 - JULY 18****AREA 4 & 5 WEEKLY MANAGEMENT PLAN**

TARGET SPECIES: Skeena Sockeye
FOR WEEKLY FISHING PERIOD: July 12 - July 18, 1992

MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess and Harvest Skeena River Sockeye stocks.

Date and Time Open: 1800h July 12, 1992
 Re-open 1800h July 18, 1992

Anticipated Date and Time Closed: GN - 1800h July 14, 1992
 SN - 1800h July 13, 1992

Sub-areas Open: 4-1 to -5, -8, -9, -12 to -15, 5-1 to -3, -10 to -12, a portion of -13 north of a straight line between a boundary sign located approximately one nautical mile north of Keswar Point and a boundary sign on the Banks Island shore opposite.

Gear Type: A4 - Gillnet and Troll
 A5 - Gillnet and Seine (A5 already open for troll)

Gear Restriction: A4 - 137mm maximum mesh size to enhance sockeye catch and conserve chinook and chum stocks.

A5 - 165mm max. mesh size implemented because there are no longer concerns for early timing incidental stocks in this area. Seine minimum bunt mesh size 70mm.

Boundary Changes: none

Extensions: A5 seine extended for 24h until 1800h July 14.

Other Comments: Rate of catch declined, probably due to poor weather, and further extensions were not warranted. Sockeye escapement climbed significantly following the first fishery of the week, prompting a early start for the following week's fishery. GN's in Areas 4 and 5 were opened at 1800h July 18, 1992.

WEEKLY NOTES - AREAS 4 & 5

Sunday, July 12- Areas 3, 4 and 5 opened at 1800h. A gear flight was conducted for Area 4 and a total of 674 gillnetters were observed. Distribution was as follows:

Slough - 33	River - 101	Gap - 35	4-12 - 252
4-4/4-9 - 110	N.Boundary - 72	H.B.Pass - 38	O.Stephens - 20
Oval Bay - 8	Edye Pass - 5		

As was expected, first hauls were again respectable, averaging about 40 in Area 4. Catches were as good for gillnets in Area 5.

This is the first seine opening in Area 5 and first set averages for these vessels were poor.

Escapement appears to be catching up. Last weeks sockeye escapement reached desired levels with 126,342 passing the test site.

Monday, July 13- The first day of fishing has significantly slowed down the daily escapement. The 24h average for Area 4 is only about 50% of the catch for the first 24h last week. We expected to see a larger catch with the onset of the enhanced sockeye runs but it appears that warm surface water conditions and calm seas are causing the fish to migrate below the nets.

Tuesday, July 14- Sockeye catch has continued to decline in comparison with the last two weeks. The escapement index is responding to the fishery by dropping significantly. As a result of these factors it was decided to close Areas 3, 4 and 5 at 1800h tonight as scheduled. At close both the catch and the fleet size had been quite reduced. The final 24h sockeye catch average for Area 4 was 74 pieces.

INFORMATION AND RATIONALE FOR NEXT WEEK

On Wednesday, July 15, the day after the commercial closure the escapement index jumped from 4.5 to 30 sockeye per test hour. This escapement was unexpected. With sockeye returning at this rate it is prudent to open a little bit earlier.

RECOMMENDATION FOR NEXT WEEK

Recommendation is to open sub-areas 4-1 to -5, -8, -9, -12 to -15 and 5-1 to -3, -10 to -12, and a portion of 5-13 north of the Keswar Point boundary signs, for 48h to GN's commencing Saturday July 18 at 1800h. Maximum mesh size in Area 4 of 137mm to conserve chinook and chum stocks. Maximum mesh size of 165mm in Area 5.

5-1 to -3, -10 to -12, and a portion of 5-13 north of the Keswar Point boundary signs, for 24h to purse seines commencing Saturday July 18 at 1800h. Minimum bunt size of 70mm.

Recommendation accepted.

1992 SALMON R.M.S.- WEEKLY NOTES

AREA'S 4 and 5

WEEK 30, JULY 19 - JULY 25

AREA 4 & 5 WEEKLY MANAGEMENT PLAN

TARGET SPECIES: Skeena Sockeye
FOR WEEKLY FISHING PERIOD: July 19 - July 25, 1992

MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess and Harvest Skeena River Sockeye stocks.

Date and Time Open: A4 & 5 Gill net - 1800h July 18, 1992
 A4 & 5 Gill net re-open 1000h July 25
 A5 Seine - 1800h July 19, 1992
 A4 & 5 Seine - 1800h July 25

Anticipated Date and Time Closed: GN - 1800h July 20, 1992
 SN - 1800h July 20, 1992

Sub-areas Open: GN - 4-1 to -5, -8, -9, -12 to -15, 5-1 to -3, -10 to -12, (a) a portion of -13 north of a straight line between a boundary sign located approximately one nautical mile north of Keswar Point and a boundary sign on the Banks Island shore opposite for July 18 opening; and (b) all of 5-13 for the July 25 opening.

SN - 4-1 to -5, -8, -9, -13, -14; 5-1 to -3, -10 to -12, (a) a portion of -13 north of a straight line between a boundary sign located approximately one nautical mile north of Keswar Point and a boundary sign on the Banks Island shore opposite for July 18 opening; and (b) all of 5-13 for the July 25 opening.

Gear Type: A4 - July 18 Gillnet and Troll
 July 25 Gillnet, Troll, and Seine
 A5 - Gillnet and Seine (A5 already open for troll)

Gear Restriction: A4 - 137mm maximum mesh size to enhance sockeye catch and conserve chinook and chum stocks.

A5 - 165mm max. mesh size implemented because there are no longer concerns for early timing incidental stocks in this area. Seine minimum bunt mesh size 70mm.

Boundary Changes: none

Extensions: A5 seine and gill net extended 48h until 1800h July 22. A4 gill net extended 48h until 1800h July 22.

Other Comments: A strong showing of sockeye both in the catch and at the Tye test fishery prompted a 48h extension. Fishery was closed after four days, as per the pre-season fishing plan, to conserve incidental species. Sockeye escapement levels remained higher than desired throughout the week prompting a opening for gill nets at 1000h July 25 and a seine opening at 1800h July 25.

WEEKLY NOTES - AREAS 4 & 5

Saturday, July 18- Areas 3, 4 and 5 opened at 1800h. A gear flight was conducted in Area 4 and a total of 760 gillnetters were observed. Distribution was as follows:

Slough - 17	River - 213	Gap - 4	4-12 - 330
4-4/4-9 - 100	N.Boundary - 45	H.B.Pass - 33	O.Stephens - 10
Oval Bay - 4	Edye Pass - 4		

First set sockeye catches were quite respectable in both Areas 4 and 5. As was seen the day after last weeks fishery, sockeye have started to freight train up the Skeena River. Escapement by the end of today doubled the weekly desired of 151,488 and was at 303,596. This jump in escapement has brought the cumulative escapement to 481,590 which is very near the desired level of 489,019.

Sunday, July 19- Fishing has remained strong. The Area 4 average for the first 24h was 148 sockeye with catches as high 173 in the River. Escapements past the test site still appear strong.

Monday, July 20- The CPUE within the inside Areas has dropped over night but catches in the outside Area are incredibly strong. The average for the outside for the past 12 hours was 165 sockeye. These fish were migrating in a strong narrow band through Hudson Bay Pass. As a comparison the River was down to about 28 sockeye for the same period. Yesterdays escapement was still quite strong with the escapement of sockeye estimated at about 25,000. Taking all this information into account it was decided to extend GN's for a further 48h and seines in Area 5 for a further 24h. The 24h hauls in the evening showed that fishing remained strong. The CPUE in the inside areas had risen substantially. Winds to 30+ knots on the outside hampered fishing through the day. The 24h average in Area 4 was 114 sockeye.

Tuesday, July 21- Fishing still remained strong over night with this mornings average of 71 sockeye in Area 4. Yesterdays escapement dropped to about 10,000 sockeye. This is still strong escapement considering that the fishery has is into the third day. The 24h average again remained strong at 120 sockeye in Area 4. A management meeting was held and resulted in Areas 3 and 5 extending seines a further 24h until 1800h tomorrow.

Wednesday, July 22- The sockeye run does not appear to be decreasing in strength. Last nights Area 4 average was 74 sockeye. Yesterdays escapement was near 23,000 sockeye. Both of these numbers have risen since the day before, in spite of the fishery. A management meeting was held and options discussed. Although the sockeye run remains strong the pink and coho numbers are not. As a result Areas 3, 4 and 5 will close as scheduled tonight at 1800h. The final haul figures for today were 118 sockeye average for Area 4.

INFORMATION AND RATIONALE FOR NEXT WEEK

Sockeye escapement up to and including Thursday July 23 for the Skeena River are slightly above target and appear to be building slightly. With this strong sockeye run returning to the Skeena and the Nass not appearing to ease up either it is felt that an early opening is again warranted next week. In order to maximize the slack tides in the Skeena a 1000h GN opening would be best. As seines don't get river access the same is not true for them and an 1800h opening would be better. As concerns for local Area 5 sockeye stocks are over the Keswar Point boundary is no longer needed.

RECOMMENDATION FOR NEXT WEEK

Recommendation is to open sub-areas 4-1 to -5, -8, -9, -12 to -15 and 5-1 to -3, -10 to -12, and 5-13, for 56 hrs to gillnets commencing Saturday July 25 at 1000h. Maximum mesh size of 137mm in Area 4 to conserve incidental species and 165mm in Area 5. Seines open in sub-areas 4-1 to -5, -8, -9, -13, -14 and 5-1 to -3, -10 to -12, and 5-13 for 48h commencing 1800h Saturday July 25. Minimum bunt size of 70mm. The Saturday opening is required to slow the escapement of the very strong sockeye run.

Recommendation accepted.

1992 SALMON R.M.S. - WEEKLY NOTES

AREA'S 4 and 5

WEEK 31, JULY 26 - August 1

AREA 4 & 5 WEEKLY MANAGEMENT PLAN

TARGET SPECIES: Skeena Sockeye

FOR WEEKLY FISHING PERIOD: July 26 - August 1, 1992

 MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess and Harvest Skeena River Sockeye stocks.

Date and Time Open: A4 & 5 Gill net - 1000h July 25, 1992
 A4 & 5 Seine - 1800h July 25

Anticipated Date and Time Closed: GN - 1800h July 27, 1992
 SN - 1800h July 27, 1992

Sub-areas Open: GN - 4-1 to -5, -8, -9, -12 to -15, 5-1 to -3, -10 to -12, -13.
 SN - 4-1 to -5, -8, -9, -13, -14; 5-1 to -3, -10 to -12, -13.

Gear Type: A4 - Gillnet, Troll, and Seine
 A5 - Gillnet and Seine (A5 already open for troll)

Gear Restriction: A4 - 137mm maximum mesh size to enhance sockeye catch and conserve chinook and chum stocks.
 A5 - 165mm max. mesh size implemented because there are no longer concerns for early timing incidental stocks in this area. Seine minimum bunt mesh size 70mm.

Boundary Changes: none

Extensions: A5 seine and gill net extended 48h until 1800h July 29. A4 gill net and seine extended 48h until 1800h July 22.

Other Comments: A strong showing of sockeye both in the catch and at the Tyee test fishery prompted a 48h extension. Fishery was closed after four days, as per the pre-season fishing plan, to conserve incidental species.

 WEEKLY NOTES - AREAS 4 & 5

Saturday, July 25- Areas 3, 4 and 5 opened at 1000h for gillnets and at 1800h for seines. A gear flight of Area 4 was conducted at 1800h. A total of 706 gillnets and 145 seines were observed. Only

11 of these seines were observed fishing. This was a result of the UFAWU strike. The gillnet distribution was as follows:

Slough - 25	River - 167	Gap - 18	4-12 - 125
4-4/4-9 - 162	N.Boundary - 76	H.B.Pass - 28	O.Stephens - 75
Oval Bay - 20	Edye Pass - 10		

Today was the first seine opening in Area 4 this year. The strike revolved around the 13 cents per pound offer by the companies.

Yesterday's escapement was still strong with an estimated 22,000 sockeye passing the Tyee test site. The gillnet average for the first 8 hours of the fishery was 58 sockeye and 20 pinks. The high areas were the Outside Stephens and the Skeena River with sockeye catches of 87 and 84 respectively.

Traditionally this week would be the tail end of the Pinkut and second peek week of the Fulton River enhanced stocks. The trend would be to see pink salmon strength build and surpass the declining sockeye strength.

Sunday, July 26- The morning gillnet figures were respectable with an Area 4 average of 70 sockeye and 34 pinks. High catches for both species were from the River. The Area 4 seine catch was 117 sockeye and 275 pinks with only 9 boats fishing. The 24h gillnet average for Area 4 was 122 sockeye and 53 pinks and the seine average was 400 sockeye and 1250 pinks.

Yesterdays escapement was the largest of the week at 51,000 sockeye.

Monday, July 27- Last nights fishing remained fairly strong with Area 4 averages of 44 sockeye and 33 pinks. The 24h Area 4 gillnet sockeye average was only 85 pieces. This average was reduced greatly by the Chatham Sound average which was only 24. In contrast the River average was 120 pieces. Pink strength is now starting to build. Yesterdays escapement past Tyee was about 24,000 sockeye and 10,500 pinks.

Tuesday, July 28- Last nights catches still remained fairly good with averages ranging from 35 to 48 sockeye and pinks ranging 4 to 60 in Area 4. The high catches for both species was in the River. Yesterdays escapement was respectable with about 16,500 sockeye and the same for pinks. These are strong escapements for this many days fishing.

In light of the decent catches and the strong escapement of sockeye and pink salmon Areas 3, 4 and 5 were extended a further 24h.

The evening 24h hauls reflected the morning hauls with the Area average at 97 sockeye and 57 pinks.

Wednesday, July 29- Catches decreased last night with area 4 averages of 33 sockeye and 31 pinks for the last 12 hours. Sockeye and pink escapement for yesterday have also decreased and were at about 6,000 pieces each past Tyee. This is a result of the fishing pressure and the increasingly larger tides.

A management meeting was held and the result was to close Areas 4 and 5 as scheduled. We have fished the 4 day maximum and a break for incidental species is needed.

The closing 24h averages for Area 4 were 89 sockeye and 62 pinks.

INFORMATION AND RATIONALE FOR NEXT WEEK

We should be harvesting the last peak weeks of the Fulton and Babine Lake enhanced sockeye stocks. Mixed in with these will be the Babine River non-enhanced stocks. Upper Skeena pinks should also be prevalent in this coming weeks fishery. We will be into large tides which will likely restrict migration of salmon past Tyee. This may be evident in the drop in escapement near the end of last weeks fishery although the fishery itself would mask this. As run timing appears to be consistent with the average years we could expect to see a fairly good sockeye stock strength in next weeks fishery. This may be highlighted by the apparent good sockeye strength we have seen so far this year.

RECOMMENDATION FOR NEXT WEEK

Recommendation is to open sub-areas 4-1 to -5, -8, -9, -12 to -15 and 5-1 to -3, -10 to -12, and 5-13 for 56 hrs to gillnets commencing Sunday August 2 1000h. Maximum mesh size of 137mm in Area 4 to conserve chinook, coho and chum stocks and 165mm in Area 5. The 1000h. opening is required to take advantage of the low water slack tide in the River.

Seines open in sub-areas 4-1 to -5, -8, -9, -13, -14 and 5-1 to -3, -10 to -12 and -13 for 48h commencing 1800h Sunday August 2. As the seines are not fishing in the River the early opening is not required.

Recommendation accepted.

1992 SALMON R.M.S. - WEEKLY NOTES

AREA'S 4 and 5

WEEK 32, AUGUST 01 - AUGUST 08

AREA 4 & 5 WEEKLY MANAGEMENT PLAN

TARGET SPECIES: Skeena Sockeye
 FOR WEEKLY FISHING PERIOD: August 2 - August 8, 1992

 MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess and Harvest Skeena River Sockeye stocks.

Date and Time Open: 1000h August 02, 1992

Anticipated Date and Time Closed: 1800h August 4, 1992

Sub-areas Open: GN - 4-1 to -5, -8, -9, -12 to -15, 5-1 to -3, -10 to -12, -13.
 SN - 4-1 to -5, -8, -9, -13, -14; 5-1 to -3, -10 to -12, -13.

Gear Type: A4 - Gillnet, Troll, and Seine
 A5 - Gillnet and Seine (A5 already open for troll)

Gear Restriction: A4 - 137mm maximum mesh size to enhance Sockeye catch and conserve incidental stocks.
 A5 - 165mm max. mesh size implemented because there are no longer concerns for early timing incidental stocks in this area. Seine minimum bunt mesh size 70mm.

Boundary Changes: none

Extensions: Areas 4 and 5 extended 48h until 1800h until August 6.

Other Comments: Good sockeye showing in catch and at Tye test fishery prompted two 24h extensions. Strong sockeye showing also postponed the pink salmon management action of reduced mesh size until following week.

 WEEKLY NOTES - AREAS 4 & 5

Sunday, August 2- Areas 4 and 5 opened to gillnets at 1000h and to seines at 1800h. A gear flight was conducted for Area 4 but weather conditions did not allow for an accurate count. A total of 587 gillnetters and 34 seines were observed from patrol and charter vessels. The gillnet distribution was as follows:

Slough - n/a River - 159 Gap - n/a 4-12 - 250

4-4/4-9 - 60 N.Boundary - 100 H.B.Pass - n/a O.Stephens - 18
Oval Bay - n/a Edye Pass - n/a

The FPV Kitimat II was removed from Area 4 therefore the Beaver Rock was moved up from Area 5 to replace her on the outside of Stephens Island. This resulted in no DFO presence in Area 5 and the Area was managed by contract charter personnel.

The gillnet opening was hampered by a broadcast, regarding steelhead, from the FPV Beaver Rock. The result was 5 gillnet vessels in the slough set 5 minutes early. They were instructed to retrieve their nets and informed of the correct time.

First set hauls were again respectable with gillnet hauls along the outside of Smith Island averaging 45 sockeye and 16 pinks. The evening hauls remained strong with the Area 4 gillnet average being 100 sockeye and 88 pinks.

The seine fleet was back on the grounds this week. The result of their strike activity was an increase in base price for pinks from the company offered 13 cents/pound to a settled 25 cents/pound.

Last weeks escapement target for both sockeye and pinks were not attained. This was likely a result of the large tides and fishing pressure.

Monday, August 3- Collection of haul information for morning sets in Area 4 was hampered by heavy fog. The same weather conditions reduced fishing effort. The result being only average catches of both sockeye and pink. Catches for the past 12 hrs. were about 60 sockeye and 63 pinks in the area along Smith Island. The 24 hr. hauled catch was also quite low with an Area 4 average of 107 sockeye and 117 pinks. These figures are also likely a result of the poor visibility created by thick fog.

Yesterdays sockeye and pink escapements were strong. This is likely a result of the receding tides.

Tuesday, August 4- Fog hampered haul collection this a.m. Reports were of reduced catches. This weather has reduced fishing effort. The 24h averages in Area 4 showed the change to pink management with catch averages of 88 sockeye and 160 pinks.

Yesterdays escapement for sockeye was still quite strong with about 31,500 past the test site. Pink escapement had dropped substantially from 42,500 to 13,000.

As catch rates were remaining respectable and the tides were conducive to good fish migration, it was decided to extend for a further 24h.

Wednesday, August 5- Poor weather persisted. Morning hauls showed a consistent sockeye and pink catch. Yesterdays escapement started to show the results of the fishery as sockeye migration dropped to a third of the previous day and pink migration remained low.

A management meeting was held to discuss possible extensions. The on grounds fishery officer for Area 4 and 5 recommended closure stating reasons as follows:

- deteriorating weather
- sockeye catch and escapement decreasing
- pink catch increasing, concerns for coastal
- coho catch suggests poor abundance
- steelhead kill rate increasing

These points were discussed and the management committee decided on extending for a further 24h, thereby fishing the maximum 4 days.

Evening hauls reflected the points put forward by the fishery officer with low coho catch, declining sockeye catch, pink harvest on the increase and steelhead kill rate 3 times the release rate.

Thursday, August 6- The weather and fishery length have reduced the gillnet fleet in Area 4 to less than half of the size at opening. Yesterdays escapement jumped significantly. Mean pink catch per hour at the test fishery, for the day before was 8 and yesterday it was 49. Sockeye was 14 and 27 respectively. The fishery closed as scheduled at 1800h. As can be expected the sockeye and pink CPUE had both dropped.

INFORMATION AND RATIONALE FOR NEXT WEEK

Sockeye and Pink escapement to the end of last week were respectable. We are falling a bit behind in pink escapement but this is the weak cycle year. Sockeye is slightly under target but the run still appears strong when we should start to see it tapering off. The coho index is terrible. It stands at 7.06 at has been there for the past 5 days as no coho have been caught in the test fishery. The desired index for this time is 19.5. The Management plan stated that coho management would start the week ending Aug 8 and continue to the week ending Aug 15. It was felt at last weeks management meeting that this was a week early and the management was moved ahead a week. For the next two weeks we will be restricted to two days per week.

We did not move into pink management last week in light of the strong sockeye return. This week we will start on the pink management phase of the program and 121mm (4.75") maximum mesh will be instituted in Area 4.

RECOMMENDATION FOR NEXT WEEK

Recommendation is to open sub-areas 4-1 to -5, -8, -9, -12 to -15 and 5-1 to -3 and -10 to -13 for 48h to gillnets and 4-1 to -5, -8, -9, -13, -14 and 5-1 to -3 and -10 to -13 for 48h to seines commencing Sunday August 9 at 1800h. Maximum gillnet mesh size of 121mm in Area 4 to conserve late run sockeye, coho, chum and steelhead stocks while enhancing pink catch and 165mm in Area 5. Minimum bunt mesh size of 70mm.

Recommendation accepted.

1992 SALMON R.M.S. - WEEKLY NOTESAREA'S 4 and 5WEEK 33, AUGUST 09 - AUGUST 15AREA 4 & 5 WEEKLY MANAGEMENT PLANTARGET SPECIES: Skeena PinksFOR WEEKLY FISHING PERIOD: August 9 - August 15, 1992

MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess and Harvest Skeena River Sockeye and Pink stocks.

Date and Time Open: 1800h August 9, 1992

Anticipated Date and Time Closed: 1800h August 11, 1992

Sub-areas Open: GN - 4-1 to -5, -8, -9, -12 to -15, 5-1 to -3, -10 to -12, -13.

SN - 4-1 to -5, -8, -9, -13, -14; 5-1 to -3, -10 to -12, -13.

Gear Type: A4 - Gillnet, Troll, and Seine

A5 - Gillnet and Seine (A5 already open for troll)

Gear Restriction: A4 - 121mm maximum mesh size to enhance pink catch and conserve incidental stocks.

A5 - 165mm max. mesh size implemented because there are no longer concerns for early timing incidental stocks in this area. Seine minimum bunt mesh size 70mm.

Boundary Changes: none

Extensions: none

Other Comments: Pink and coho management. Small mesh nets for pinks, maximum 2 day fishery to conserve early timing coho.

WEEKLY NOTES - AREAS 4 & 5

Sunday, August 9- Areas 3, 4 and 5 opened to nets at 1800h. A gear flight of Area 4 was conducted and a total of 338 gillnets and 11 seines were observed. The gillnet distribution was follows:

Slough - 27	River - 144	Gap - 6	4-12 - 72
4-4/4-9 - 28	N.Boundary - 58	H.B.Pass - 0	O.Stephens - 3
Oval Bay - 0	Edye Pass - 0		

This opening was the beginning of the pink management phase in the Skeena. As a result a 121mm gillnet mesh restriction was introduced. This restriction appears to have decreased the fleet size. Most of the fleet has now moved into the river.

As of the end of last week cumulative pink escapement was behind target by about 50,000 pieces and sockeye escapement was right on target.

Monday, August 10- The first 12h showed respectable catches with Area 4 averages of 76 sockeye and 260 pinks. The 24h hail catches were again strong with the Area 4 averages of 137 sockeye and 367 pinks.

Yesterdays escapement was moderate for both sockeye and pinks. One would expect better escapement in light of the small tides.

Enforcement problems were evident with the gillnet mesh restriction. About 25 nets were checked and three persons charged for using large mesh. More details are in the enforcement summary.

Tuesday, August 11- Morning figures showed a drastic drop in CPUE with Area 4 averages of 49 sockeye and 164 pinks. The coho catch was at about 2 average for the same period. The 24h hail catch at close was still down at 84 sockeye and 255 pinks.

Escapement was up for both sockeye and pinks yesterday with the catch per hour for pinks rising from 9.56 to 35.21. Coho escapement is still dismal. Desired index is around 36 for this time of the season and the index as of yesterday was only 8.74.

Fishery closed as scheduled at 1800h for weak stock management.

INFORMATION AND RATIONALE FOR NEXT WEEK

The upcoming week we will still be into management of weak stocks and will be restricted to a maximum of two days. The coho index is the lowest on record and the steelhead index is the third or fourth lowest on record. Les Jantz figures that the test fishery may still be underestimating because of clear and warm water. No seines in Area 4 this week as incidental coho catch on the outside, by seines, was to high last week.

The 121mm mesh restriction will still be in effect in Area 4.

RECOMMENDATION FOR NEXT WEEK

Recommendation is to open sub-areas 4-1 to -5, -8, -9, -12 to -15 to gillnets with a maximum mesh size of 121mm, for 48h commencing 1800h Sunday, August 16 and 5-1 to -3, -10 to -13 to nets for 48h

commencing Sunday August 16 at 1800h. Maximum gillnet mesh size of 165mm and minimum to seine bunt mesh of 70mm.

Maximum of two days to conserve weaker stocks.

Recommendation accepted.

1992 SALMON R.M.S. - WEEKLY NOTES

AREA'S 4 and 5

WEEK 34, AUGUST 16 - AUGUST 22

AREA 4 & 5 WEEKLY MANAGEMENT PLAN

TARGET SPECIES: Skeena Pinks
FOR WEEKLY FISHING PERIOD: August 16 - August 22, 1992

MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess and Harvest Skeena River Sockeye and Pink stocks.

Date and Time Open: 1800h August 16, 1992

Anticipated Date and Time Closed: 1800h August 18, 1992

Sub-areas Open: GN - 4-1 to -5, -8, -9, -12 to -15, 5-1 to -3, -10 to -12, -13.
 SN - 5-1 to -3, -10 to -12, -13.

Gear Type: A4 - Gillnet and Troll
 A5 - Gillnet and Seine (A5 already open for troll)

Gear Restriction: A4 - 121mm maximum mesh size to enhance pink catch and conserve incidental stocks.
 A5 - 165mm max. mesh size implemented because there are no longer concerns for early timing incidental stocks in this area. Seine minimum bunt mesh size 70mm.

Boundary Changes: none

Extensions: none

Other Comments: Despite good sockeye and pink catch, no extension given due to concerns for poor Skeena coho stocks. This action taken in accordance with pre-season fishing plan.

WEEKLY NOTES - AREAS 4 & 5

Sunday, August 16- Area 4 opened at 1800h for gillnets and Area 5 opened at 1800h for gillnets and seines. A gear flight was conducted for Area 4 and 237 gillnets were observed. Distribution was as follows:

Slough - 9	River - 112	Gap - 5	4-12 - 51
4-4/4-9 - 29	N.Boundary - 26	H.B.Pass - 0	O.Stephens - 2
Oval Bay - 3	Edye Pass - 2		

The first set catches in the river were low with averages of 9 sockeye and 28 pinks. Half of those hauled also had a coho. The river fleet made their first set and then the majority went to anchor to wait for the tide at about 2230h. Escapement for sockeye is still on target with the test fishery showing that desired levels were attained for the week. Pinks fell short of desired escapement for the third consecutive week. We are now about 85,000 pieces behind desired cumulative.

Monday, August 17- Last nights fishing was again respectable with averages in the river and around Smith Island at about 110 sockeye and 200 pinks. The 24h averages remained high with Area 4 averages of 163 sockeye and 339 pinks. The 20 gn vessels operating in Area 5 didn't fare as well with their averages at 47 sockeye and 80 pinks for the same 24h period. Although their coho catch average was 30 compared to an average of 6 in Area 4.

Tuesday, August 18- Escapement in both sockeye and pinks has increased over the past two days. Coho escapement is still lowest on record. The tides have moderated which would promote good migration for all species. Last nights catches showed a slight decrease but still respectable sockeye and pink fishing. As we are still into coho conservation this week no extension will be granted. The closing averages for Area 4 were 134 sockeye and 376 pinks. These were better than the first days fishing, again this is likely a result of more fish moving on the small tides.

INFORMATION AND RATIONALE FOR NEXT WEEK

Concerns for coho and coastal pinks are becoming more prominent. The coho index is still the lowest on record. This may not be accurate as the test fishery still has conditions surrounding it which may be biasing its results. At look Moore Cove Creek, Oona River and Pearl Harbour Creek on August 19 showed that the pinks have either not arrived at these systems or are holding out of the systems awaiting more water. Records indicate that we should be at least seeing these fish in the estuaries by this date on this cycle. With this information it was recommended that Area 4 not open for this week. This was also the case for Areas 3 and 5.

RECOMMENDATION FOR NEXT WEEK

Recommendation to leave Areas 4 and 5 closed for the week and assess stock strength of coho and coastal pinks.

Recommendation Accepted.

1992 SALMON R.M.S. - WEEKLY NOTES

AREA'S 4 and 5

WEEK 34, AUGUST 23 - AUGUST 29

AREA 4 & 5 WEEKLY MANAGEMENT PLAN

TARGET SPECIES: N/A

FOR WEEKLY FISHING PERIOD: August 23 - August 29, 1992

MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess strength of Skeena coho and coastal pinks.

Date and Time Open: closed for the week.

Anticipated Date and Time Closed:N/A

Sub-areas Open: none

Gear Type: N/A

Gear Restriction: N/A

Boundary Changes: none

Extensions: none

Other Comments:

WEEKLY NOTES - AREAS 4 & 5

There was no fishing this week but coastal stock assessment continued. The coastal pink indicator systems were extensively looked at. Very few pinks were observed in any of the systems. By this date we should start to see fish in the rivers. The low water levels are likely still holding fish out but estuary observations again show little sign of coastal pinks.

INFORMATION AND RATIONALE FOR NEXT WEEK

Both sockeye and pink escapements were very low for the last four days of last week. By the 26th (wednesday) they had picked up a bit but were still slow. We are still into low to moderate tides and would expect to see better pink escapement. As mentioned above the pinks are still not showing well on the coast. We have been getting a lot calls into the office from fishermen concerned that another opening would not occur and they would have to troll in order to attain enough weeks for U.I.C.

There have been food fish reports that some sockeye may still be coming in. These are likely the tail end of the unenhanced Babine River fish.

RECOMMENDATION FOR NEXT WEEK

The Sub-district Fishery Officer was seconded to the Fraser River but relayed by telephone his recommendation to leave Areas 4 and 5 closed for the week in light of the poor show coastal pinks and to assess stock strength for possible fishing opportunities when we get some rain and fish up the rivers. This recommendation was rejected as there may be an opportunity to harvest more Skeena bound sockeye and assess pink stock strength. Les Jantz feels the information from Tyee may still be inaccurate.

As a result a 24h opening was announced for a small portion of Area 4. Area 5 remained closed to conserve their local stocks.

Boundaries set for the Area 4 fishery were that portion of sub-area 4-12 north of a line from Hunt Point on Porcher Island, thence to the northern most point on Hanmer Island, and thence true east to Kennedy Island, and sub-area 4-15. 121mm mesh restriction in effect. These boundaries were placed to protect North Porcher Island streams, Oona River stocks and Moore Cove Creek stocks.

1992 SALMON R.M.S. - WEEKLY NOTES

AREA'S 4 and 5

WEEK 35, AUGUST 30 - SEPTEMBER 6

AREA 4 & 5 WEEKLY MANAGEMENT PLAN

TARGET SPECIES: Skeena Pinks

FOR WEEKLY FISHING PERIOD: August 23 - August 29, 1992

MANAGEMENT ACTIONS FOR CURRENT WEEK

Management Objectives: Assess strength of Skeena pinks while protected coastal pink stocks.

Date and Time Open: August 29, 1992 1800h

Anticipated Date and Time Closed: August 30, 1992 1800h

Sub-areas Open: portion of 4-12 north of a line from Hunt Point on Porcher Island, thence to the northern most tip of Hanmer Island, thence true east to Kennedy Island, 4-15.

Gear Type: gillnets

Gear Restriction: 121mm maximum mesh size

Boundary Changes: none

Extensions: none

Other Comments: Final assessment fishery

WEEKLY NOTES - AREAS 4 & 5

August 29, Saturday- The fishery opened at 1800h with 42 vessels in the RGS and 66 in 4-12. Catches of all species were terrible even though low slack was 1.5 hours after the opening and fishing should have been good. Escapement up to yesterday had been steady but low, about 5200 sockeye per day and about 8000 pinks per day.

August 30, Sunday- As with the first set information of yesterday, fishing was terrible last night. Averages were 4 sockeye, 2 coho and 5 pinks. From this information no extension was granted. The closing hauls were not much better with averages of 22 sockeye, 7 coho and 15 pinks.

INFORMATION AND RATIONALE FOR NEXT WEEK

From the numbers observed on sundays fishery it appears that the season is likely over. The escapement have declined and the coastal stocks have still not appeared in any numbers.

RECOMMENDATION FOR NEXT WEEK

Closed for next week. Assess for possible opportunities only if coastal pinks arrive.

Recommendation accepted.

This weeks fishery was the last of the season in Area 4 and 5 as coastal and lower Skeena pink stocks remained week.

The Northcoast sub-districts closed to net fishing for the balance of the season on September 10 1992.

Special Projects

Steelhead Conservation

Projects directed at undertaking to reduce steelhead by-catch in the commercial net fisheries within Area 4 were conducted again this year. As a result of discussions and recommendations from the North Coast Advisory Board (NCAB) a couple of industry related changes were made. Along with these changes the Province allocated greater resources to steelhead enumeration, protection and migration while the fish were in fresh water. Provincial and Federal expenditures are listed in the appendices.

As a condition of licence to enter an Area 4 net fishery, all fishing vessels were required to have installed and functional, a tote, complete with circulating seawater, to be used for the revival, holding and transporting of steelhead retrieved from the nets. In concert with these totes a contract was let for a larger holding facility complete with smaller vessels to transport steelhead from vessels in the River area to the holding facility. The steelhead were held in this facility until the close of the commercial opening when the fish could be released and continue their migration with no nets for obstructions. The barge received 413 live steelhead and was able to live release 389 of these.

Area 4 Gillnet Mesh Restriction

At last winters NCAB meetings it was agreed, after three years of negotiation, that a smaller mesh restriction would be introduced for Area 4 during peak pink salmon weeks. The rationale was to increase the harvest of pink salmon while decreasing the impact on the later and weaker sockeye stocks, the coho stocks and steelhead stocks. As a result a 121mm (4.75 in.) maximum mesh restriction was imposed on the gillnet fleet on August 9 and remained in place until the last fishery occurred on August 29.

Tsimshian Troll Test Selectivity Study

Prior to the onset of the commercial season the Tsimshian Tribal Council (TTC) proposed to DFO a program in which a group of their gillnet fishermen would be bought out of the gillnet fishery and attempt to selectively harvest Skeena sockeye and pink salmon. In the end 15 vessels participated. The result was that troll gear couldn't catch enough sockeye to feed an emaciated cat let alone support the expenses of a commercial vessel and her crew. The results of this test are in the appendices.

Tsimshian Gillnet Test Fishery - near Tyee

The Tsimshian's requested that the Skeena test fishery charter be granted to them. As a compromise the Tsimshian's set up a second charter, above the present test site, to run in conjunction with the usual test charter. This test ran for 64 days. The future of this second test vessel is unclear as its activities were insufficient to finance its operation.

Native Homeland Fishery

In light of DFO's new policies on aboriginal fishing rights, as governed by recent court decisions, a program was set up to address the native participation in the commercial sale of food fish. This program is the Aboriginal Fisheries Strategy (AFS). Under the AFS negotiations were undertaken with three native groups on the Skeena River to participate in a pilot project for the sale of Indian Food Fish. The result was that a 150,000 sockeye and 150,000 pinks would be harvested by the Tsimshian, Gitksan-Wet'suwet'en and Gitanyow and the Nat'oot'en. These three entities were to come up with selective measures to harvest these fish and to decide equitable distribution between them. A summary and the results of this fishery are listed in the appendices.

Weedline Study

This was the second year of the weedline study in Area 4. Six vessels were chartered and a consulting company contracted to evaluate the use of weedlines and monofilament gillnets as a method to reduce steelhead by-catch. The results of this study are contained in a report from the consultant and in possession of North Coast Management Biology.

Skeena River Sockeye Escapement Estimate - Mean Length Method Using Catch as Index

DATE	MEAN CATCH PER HR	1992		CUM. ESC.	43	ADJ. WEEKLY ESC.	ADJ. CUM. ESC.	WEEKLY DESIRED ESC.	CUM. ESC.
		DAILY ESC.	WEEKLY ESC.		ADJ. DAILY ESC.				
MAY 30									
JUNE 1									
2									
3									
4									
5									
6								7296	7296
7									
8	0.00	0	0	0	0	0	0		
9	0.00	0	0	0	0	0	0		
10	0.00	0	0	0	0	0	0		
11	0.00	0	0	0	0	0	0		
12	1.00	651	651	651	623	623	623		
13	0.00	0	651	651	0	623	623	17590	24886
14	0.00	0	0	623	0	0	623		
15	0.00	0	0	623	0	0	623		
16	0.00	0	0	623	0	0	623		
17	2.00	1303	1303	1926	1245	1245	1868		
18	0.50	326	1629	2252	311	1556	2179		
19	1.50	977	2606	3229	934	2490	3113		
20	2.33	1518	4124	4747	1451	3941	4564	35636	60522
21	2.50	1628	1628	6192	1557	1557	6121		
22	2.33	1518	3146	7710	1451	3008	7572		
23	1.33	866	4012	8576	828	3836	8400		
24	6.00	3908	7920	12484	3736	7572	12136		
25	12.33	8031	15951	20515	7678	15250	19814		
26	9.00	5862	21813	26377	5604	20854	25418		
27	11.67	7601	29414	33978	7267	28121	32685	60519	121041
28	6.00	3736	3736	36421	4089	4089	36774		
29	6.00	3736	7472	40157	4089	8178	40863		
30	2.33	1451	8923	41608	1588	9766	42451		
JULY 1	1.50	934	9857	42542	1022	10788	43473		
2	2.50	1557	11414	44099	1704	12492	45177		
3	2.50	1557	12971	45656	1704	14196	46881		
4	7.00	4359	17330	50015	4771	18967	51652	91808	212849
5	26.00	16190	16190	67842	17719	17719	69371		
6	15.00	10223	27942	79594	10784	28503	80155		
7	4.00	2726	30668	82320	2876	31379	83031		
8	15.33	10447	41115	92767	11021	42400	94052		
9	25.00	17973	60373	112025	16770	59170	110822		
10	50.00	33540	92710	144362	34610	93780	145432		
11	53.67	37150	130930	182582	32562	126342	177994	124682	337531
12	60.00	36402	36402	214396	39288	39288	217282		
13	23.00	15060	54348	232342	15550	54838	232832		
14	4.50	3042	57880	235874	3860	58698	236692		
15	30.00	20283	78163	256157	25731	84429	262423		
16	50.00	42885	127314	305308	40480	124909	302903		
17	123.00	99581	224490	402484	89077	213986	391980		
18	118.50	85818	299804	477798	89610	303596	481590	151488	489019

Skeena River Sockeye Escapement Estimate - Mean Length Method Using Catch as Index

1992

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DATE	MEAN CATCH PER HR	DAILY ESC.	WEEKLY ESC.	CUM. ESC.	ADJ. DAILY ESC.	ADJ. WEEKLY ESC.	ADJ. CUM. ESC.	WEEKLY DESIRED ESC.	CUM. ESC.
JULY 19	33.67	25461	25461	507051	25283	25283	506873		
20	13.50	10137	35420	517010	12805	38088	519678		
21	30.33	22775	60863	542453	28768	66856	548446		
22	28.00	26558	93414	575004	25360	92216	573806		
23	38.33	34715	126931	608521	30009	122225	603815		
24	28.50	22313	144538	626128	19574	141799	623389		
25	74.50	51167	192966	674556	52761	194560	676150	160400	649419
26	34.00	24079	24079	700229	32249	32249	708399		
27	17.67	16760	49009	725159	16193	48442	724592		
28	7.00	6640	55649	731799	6415	54857	731007		
29	7.00	6415	61272	737422	5854	60711	736861		
30	21.50	19703	80975	757125	17980	78691	754841		
31	19.00	15890	94581	770731	14470	93161	769311		
AUG 1	28.50	23835	118416	794566	21706	114867	791017	144001	793420
2	34.67	26405	26405	817422	24366	24366	815383		
3	41.50	31606	58011	875433	29166	53532	844549		
4	13.67	9607	63139	854156	9827	63359	854376		
5	27.33	19208	82347	873364	19548	83007	874024		
6	12.00	8627	91634	882651	8819	91826	882843		
7	11.75	8447	100081	891098	8635	100461	891478		
8	12.00	8819	109280	900297	8627	109088	900105	106751	900171
9	15.67	11516	11516	911621	11265	11265	911370		
10	21.67	15579	26844	926949	13726	24991	925096		
11	8.00	5067	30058	930163	5622	30613	930718		
12	8.33	5276	35334	935439	5854	36467	936572		
13	7.00	4434	39768	939873	4920	41387	941492		
14	8.00	5067	44835	944940	5622	47009	947114		
15	26.50	16785	61620	961725	18624	65633	965738	64208	964379
16	16.00	11245	11245	976983	11160	11160	976898		
17	31.50	22138	33383	999121	21971	33131	998869		
18	9.67	6745	39876	1005614	5816	38947	1004685		
19	2.00	1395	41271	1007009	1203	40150	1005888		
20	1.67	1165	42436	1008174	1004	41154	1006892		
21	0.67	467	42903	1008641	403	41557	1007295		
22	0.33	230	43133	1008871	198	41755	1007493	30799	995178
23	8.67	6047	6047	1014918	5214	5214	1012707		
24	6.00	3608	8822	1016315	4121	9335	1016828		
25	3.00	1804	10626	1018119	2060	11395	1018888		
26	10.00	6014	16640	1024133	6868	18263	1025756		
27	9.33	5611	22251	1029744	6408	24671	1032164		
28	7.00	4808	29479	1036972	5032	29703	1037196		
29	2.00	1374	30853	1038346	1438	31141	1038634	11788	1006966
30	19.50	13393	13393	1051739	14019	14019	1052653		
31	0.50	343	13736	1052082	359	14378	1053012		
SEPT 1	1.00	687	14423	1052769	719	15097	1053731		
2	1.50	1030	15453	1053799	1078	16175	1054809		
3	2.00	1374	16827	1055173	1438	17613	1056247		
4	0.33	237	17850	1056484					
5	0.00	0	17850	1056484				4533	1011499

Skeena River Pink Escapement Estimate (Regression method)

1992

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DATE	MEAN CATCH PER HR	DAILY ESC.	WEEKLY ESC.	CUM. ESC.	DESIRED ESC.	CUM. ESC.
JUNE 7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
JULY 1						
2						
3						
4					1400	1400
5						
6	0.54	945	945	945		
7	0	0	945	945		
8	0	0	945	945		
9	0.99	1733	2678	2678		
10	0.27	473	3150	3150		
11	1.54	2695	5845	5845	8600	10000
12	1.98	3465	3465	9310		
13	0.99	1733	5198	11043		
14	0.00	0	5198	11043		
15	1.44	2520	7718	13563		
16	2.43	4253	11970	17815		
17	6.44	11270	23240	29085		
18	4.21	7368	30608	36453	16400	26400
19	3.94	6895	6895	43348		
20	6.89	12058	18953	55405		
21	6.89	12058	31010	67463		
22	4.21	7368	38378	74830		
23	11.12	19460	57838	94290		
24	5.55	9713	67550	104003		
25	18.26	31955	99505	135958	81400	107800

Skeena River Pink Escapement Estimate (Regression method)

1992

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DATE	MEAN CATCH PER HR	DAILY ESC.	WEEKLY ESC.	CUM. ESC.	DESIRED ESC.	CUM. ESC.
JULY 26 !	6.00 !	10500 !	10500 !	146458 !		
27 !	9.56 !	16730 !	27230 !	163188 !		
28 !	3.32 !	5810 !	33040 !	168998 !		
29 !	6.00 !	10500 !	43540 !	179498 !		
30 !	9.12 !	15960 !	59500 !	195458 !		
31 !	8.23 !	14403 !	73903 !	209860 !		
AUG 1 !	17.15 !	30013 !	103915 !	239873 !	153900	261700
2 !	24.28 !	42490 !	42490 !	282363 !		
3 !	7.33 !	12828 !	55318 !	295190 !		
4 !	8.00 !	14000 !	69318 !	309190 !		
5 !	49.48 !	86590 !	155908 !	395780 !		
6 !	18.48 !	32340 !	188248 !	428120 !		
7 !	14.92 !	26110 !	214358 !	454230 !		
8 !	14.47 !	25323 !	239680 !	479553 !	266300	528000
9 !	9.56 !	16730 !	16730 !	496283 !		
10 !	35.21 !	61618 !	78348 !	557900 !		
11 !	14.47 !	25323 !	103670 !	583223 !		
12 !	24.95 !	43663 !	147333 !	626885 !		
13 !	14.02 !	24535 !	171868 !	651420 !		
14 !	9.56 !	16730 !	188598 !	668150 !		
15 !	19.38 !	33915 !	222513 !	702065 !	258200	786200
16 !	15.81 !	27668 !	27668 !	729733 !		
17 !	35.43 !	62003 !	89670 !	791735 !		
18 !	17.37 !	30398 !	120068 !	822133 !		
19 !	2.43 !	4253 !	124320 !	826385 !		
20 !	4.43 !	7753 !	132073 !	834138 !		
21 !	2.87 !	5023 !	137095 !	839160 !		
22 !	3.99 !	6983 !	144078 !	846143 !	160600	946800
23 !	10.90 !	19075 !	19075 !	865218 !		
24 !	1.98 !	3465 !	22540 !	868683 !		
25 !	2.65 !	4638 !	27178 !	873320 !		
26 !	8.67 !	15173 !	42350 !	888493 !		
27 !	4.88 !	8540 !	50890 !	897033 !		
28 !	5.55 !	9713 !	60603 !	906745 !		
29 !	1.54 !	2695 !	63298 !	909440 !	40300	987100
30 !	6.00 !	10500 !	10500 !	919940 !		
31 !	3.32 !	5810 !	16310 !	925750 !		
SEPT 1 !	0.20 !	350 !	16660 !	926100 !		
2 !	0.64 !	1120 !	17780 !	927220 !		
3 !	0.64 !	1120 !	18900 !	928340 !		
4 !	0.42 !	735 !	19635 !	929075 !		
5 !	0.64 !	1120 !	20755 !	930195 !	12900	1000000

APPENDIX II
 DAILY NET CATCH
 AREAS 4 and 5

DATE	TIME	AREA	NO. OF FISH	NO. OF SPECIES	NO. OF Males	NO. OF Females	NO. OF Juveniles	NO. OF Unsexed	NO. OF Dead	NO. OF Wounded	NO. OF Released	NO. OF Recaptured
10/10	08:00	4	120	15	60	50	10	0	5	10	100	10
10/10	09:00	5	150	20	75	70	5	0	10	15	130	15
10/10	10:00	4	180	18	90	80	10	0	15	20	160	20
10/10	11:00	5	200	22	100	90	10	0	20	25	175	25
10/10	12:00	4	220	25	110	100	10	0	25	30	190	30
10/10	13:00	5	250	28	125	115	10	0	30	35	215	35
10/10	14:00	4	280	30	140	130	10	0	35	40	240	40
10/10	15:00	5	300	32	150	140	10	0	40	45	260	45
10/10	16:00	4	320	35	160	150	10	0	45	50	270	50
10/10	17:00	5	350	38	175	165	10	0	50	55	300	55
10/10	18:00	4	380	40	190	180	10	0	55	60	325	60
10/10	19:00	5	400	42	200	190	10	0	60	65	340	65
10/10	20:00	4	420	45	210	200	10	0	65	70	350	70
10/10	21:00	5	450	48	225	215	10	0	70	75	375	75
10/10	22:00	4	480	50	240	230	10	0	75	80	395	80
10/10	23:00	5	500	52	250	240	10	0	80	85	415	85
10/10	00:00	4	520	55	260	250	10	0	85	90	430	90
10/10	01:00	5	550	58	275	265	10	0	90	95	455	95
10/10	02:00	4	580	60	290	280	10	0	95	100	475	100
10/10	03:00	5	600	62	300	290	10	0	100	105	495	105
10/10	04:00	4	620	65	310	300	10	0	105	110	505	110
10/10	05:00	5	650	68	325	315	10	0	110	115	530	115
10/10	06:00	4	680	70	340	330	10	0	115	120	550	120
10/10	07:00	5	700	72	350	340	10	0	120	125	570	125
10/10	08:00	4	720	75	360	350	10	0	125	130	585	130
10/10	09:00	5	750	78	375	365	10	0	130	135	600	135
10/10	10:00	4	780	80	390	380	10	0	135	140	615	140
10/10	11:00	5	800	82	400	390	10	0	140	145	630	145
10/10	12:00	4	820	85	410	400	10	0	145	150	645	150
10/10	13:00	5	850	88	425	415	10	0	150	155	660	155
10/10	14:00	4	880	90	440	430	10	0	155	160	675	160
10/10	15:00	5	900	92	450	440	10	0	160	165	690	165
10/10	16:00	4	920	95	460	450	10	0	165	170	705	170
10/10	17:00	5	950	98	475	465	10	0	170	175	720	175
10/10	18:00	4	980	100	490	480	10	0	175	180	735	180
10/10	19:00	5	1000	102	500	490	10	0	180	185	750	185
10/10	20:00	4	1020	105	510	500	10	0	185	190	765	190
10/10	21:00	5	1050	108	525	515	10	0	190	195	780	195
10/10	22:00	4	1080	110	540	530	10	0	195	200	795	200
10/10	23:00	5	1100	112	550	540	10	0	200	205	805	205
10/10	00:00	4	1120	115	560	550	10	0	205	210	815	210
10/10	01:00	5	1150	118	575	565	10	0	210	215	830	215
10/10	02:00	4	1180	120	590	580	10	0	215	220	845	220
10/10	03:00	5	1200	122	600	590	10	0	220	225	855	225
10/10	04:00	4	1220	125	610	600	10	0	225	230	865	230
10/10	05:00	5	1250	128	625	615	10	0	230	235	880	235
10/10	06:00	4	1280	130	640	630	10	0	235	240	895	240
10/10	07:00	5	1300	132	650	640	10	0	240	245	905	245
10/10	08:00	4	1320	135	660	650	10	0	245	250	915	250
10/10	09:00	5	1350	138	675	665	10	0	250	255	925	255
10/10	10:00	4	1380	140	690	680	10	0	255	260	935	260
10/10	11:00	5	1400	142	700	690	10	0	260	265	945	265
10/10	12:00	4	1420	145	710	700	10	0	265	270	955	270
10/10	13:00	5	1450	148	725	715	10	0	270	275	965	275
10/10	14:00	4	1480	150	740	730	10	0	275	280	975	280
10/10	15:00	5	1500	152	750	740	10	0	280	285	985	285
10/10	16:00	4	1520	155	760	750	10	0	285	290	995	290
10/10	17:00	5	1550	158	775	765	10	0	290	295	1005	295
10/10	18:00	4	1580	160	790	780	10	0	295	300	1015	300
10/10	19:00	5	1600	162	800	790	10	0	300	305	1025	305
10/10	20:00	4	1620	165	810	800	10	0	305	310	1035	310
10/10	21:00	5	1650	168	825	815	10	0	310	315	1045	315
10/10	22:00	4	1680	170	840	830	10	0	315	320	1055	320
10/10	23:00	5	1700	172	850	840	10	0	320	325	1065	325
10/10	00:00	4	1720	175	860	850	10	0	325	330	1075	330
10/10	01:00	5	1750	178	875	865	10	0	330	335	1085	335
10/10	02:00	4	1780	180	890	880	10	0	335	340	1095	340
10/10	03:00	5	1800	182	900	890	10	0	340	345	1105	345
10/10	04:00	4	1820	185	910	900	10	0	345	350	1115	350
10/10	05:00	5	1850	188	925	915	10	0	350	355	1125	355
10/10	06:00	4	1880	190	940	930	10	0	355	360	1135	360
10/10	07:00	5	1900	192	950	940	10	0	360	365	1145	365
10/10	08:00	4	1920	195	960	950	10	0	365	370	1155	370
10/10	09:00	5	1950	198	975	965	10	0	370	375	1165	375
10/10	10:00	4	1980	200	990	980	10	0	375	380	1175	380
10/10	11:00	5	2000	202	1000	990	10	0	380	385	1185	385
10/10	12:00	4	2020	205	1010	1000	10	0	385	390	1195	390
10/10	13:00	5	2050	208	1025	1015	10	0	390	395	1205	395
10/10	14:00	4	2080	210	1040	1030	10	0	395	400	1215	400
10/10	15:00	5	2100	212	1050	1040	10	0	400	405	1225	405
10/10	16:00	4	2120	215	1060	1050	10	0	405	410	1235	410
10/10	17:00	5	2150	218	1075	1065	10	0	410	415	1245	415
10/10	18:00	4	2180	220	1090	1080	10	0	415	420	1255	420
10/10	19:00	5	2200	222	1100	1090	10	0	420	425	1265	425
10/10	20:00	4	2220	225	1110	1100	10	0	425	430	1275	430
10/10	21:00	5	2250	228	1125	1115	10	0	430	435	1285	435
10/10	22:00	4	2280	230	1140	1130	10	0	435	440	1295	440
10/10	23:00	5	2300	232	1150	1140	10	0	440	445	1305	445
10/10	00:00	4	2320	235	1160	1150	10	0	445	450	1315	450
10/10	01:00	5	2350	238	1175	1165	10	0	450	455	1325	455
10/10	02:00	4	2380	240	1190	1180	10	0	455	460	1335	460
10/10	03:00	5	2400	242	1200	1190	10	0	460	465	1345	465
10/10	04:00	4	2420	245	1210	1200	10	0	465	470	1355	470
10/10	05:00	5	2450	248	1225	1215	10	0	470	475	1365	475
10/10	06:00	4	2480	250	1240	1230	10	0	475	480	1375	480
10/10	07:00	5	2500	252	1250	1240	10	0	480	485	1385	485
10/10	08:00	4	2520	255	1260	1250	10	0	485	490	1395	490
10/10	09:00	5	2550	258	1275	1265	10	0	490	495	1405	495
10/10	10:00	4	2580	260	1290	1280	10	0	495	500	1415	500
10/10	11:00	5	2600	262	1300	1290	10	0	500	505	1425	505
10/10	12:00	4	2620	265	1310	1300	10	0	505	510	1435	510
10/10	13:00	5	2650	268	1325	1315	10	0	510	515	1445	515
10/10	14:00	4	2680	270	1340	1330	10	0	515	520	1455	520
10/10	15:00	5	2700	272	1350	1340	10	0	520	525	1465	525
10/10	16:00	4	2720	275	1360	1350	10	0	525	530	1475	530
10/10	17:00	5	2750	278	1375	1365	10	0	530	535	1485	535
10/10	18:00	4	2780	280	1390	1380	10	0	535	540	1495	540
10/10	19:00	5	2800	282	1400	1390	10	0	540	545	1505	545
10/10	20:00	4	2820	285	1410	1400	10	0	545	550	1515	550
10/10	21:00	5	2850	288	1425	1415	10	0	550	555	1525	555
10/10	22:00	4	2880	290	1440	1430	10	0	555	560	1535	560
10												

AREA 4 COMMERCIAL NET CATCH - 1992

DATE	GEAR	SOCKEYE	COHO	PINK	CHUM	CHINOOK	J. CHIN	STHD-K	STHD-R
June 29/30	306 gn	32888	319	1009	825	1325	93	26	7
June 30/July	274 gn	25523	252	463	457	788	9	4	4
July 1/2	239 gn	16274	344	169	187	702	22	9	3
Total For Week	gn	74685	915	1641	1469	2815	124	39	14
Average	273 gn	91.2	1.1	2.0	1.8	3.4	0.2	0.0	0.0
Total To Date		74685	915	1641	1469	2815	124	39	14
July 05/06	487 gn	93431	547	3638	1487	1382	61	48	19
July 06/07	428 gn	57326	275	1884	780	1314	18	30	16
Total For Week	gn	150757	822	5522	2267	2696	79	78	35
Average	458 gn	164.8	0.9	6.0	2.5	2.9	0.1	0.1	0.0
Total To Date		225442	1737	7163	3736	5511	203	117	49
July 12/13	651 gn	65600	965	6203	5833	1355	85	30	34
July 13/14	444 gn	32994	1851	4774	2700	561	46	13	21
July 18/19	740 gn	109116	786	14425	1690	1420	68	144	43
Total For Week	gn	207710	3602	25402	10223	3336	199	187	98
Average	612 gn	113.2	2.0	13.8	5.6	1.8	0.1	0.1	0.1
Total To Date		433152	5339	32565	13959	8847	402	304	147
July 19/20	582 gn	66081	1317	10423	2230	755	64	55	159
July 20/21	530 gn	63987	773	12862	1600	677	36	66	161
July 21/22	533 gn	62606	781	14120	2594	338	36	94	44
July 25(8hrs)	706 gn	40760	232	14039	2790	58	15	36	42
July 25/26	676 gn	82488	990	35807	4790	297	56	140	61
July 25/26	9 sn	3600	32	11300	1506	24			
Total For Week	gn	315922	4093	87251	14004	2125	207	391	467
	sn	3600	32	11300	1506	24	0	0	0
Average	699 gn	104.4	1.4	28.8	4.6	0.7	0.1	0.1	0.2
	9 sn	400.0	3.6	1255.6	167.3	2.7	0.0	0.0	0.0
Total To Date		752674	9464	131116	29469	10996	609	695	614
July 26/27	626 gn	53221	1400	39149	7406	312	65	97	147
July 26/27	10 sn	5792		17692					
July 27/28	358 gn	34636	1104	20540	1935	233	33	79	47
July 27/28	21 sn	6129	138	28421	490	32			5
July 28/29	427 gn	37914	1063	26335	1875	244	26	47	52
July 28/29	19 sn	6877	136	23814	366	20		2	
August 2(8hrs)	587 gn	58907	1252	51819	1082	227	33	148	73
August 2(8hrs)	34 sn	15040	215	32760	2234	23			5
Total For Week	gn	184678	4819	137843	12298	1016	157	371	319
	sn	33838	489	102687	3090	75	0	2	10
Average	600 gn	92.4	2.4	69.0	6.2	0.5	0.1	0.2	0.2
	25 sn	402.8	5.8	1222.5	36.8	0.9	0.0	0.0	0.1
Total To Date		971190	14772	371646	44857	12087	766	1068	943
August 2/3	481 gn	51507	1165	56658	2115	248	50	130	96
August 2/3	16 sn	19761	255	60751	1625	24		3	38
August 3/4	449 gn	39289	1078	71738	1212	245	80	192	71
August 3/4	25 sn	6880	182	51100	64	12			
August 4/5	291 gn	23931	645	60023	1035	84	19	125	41
August 4/5	14 sn	6946		26179	32				
August 5/6	285 gn	19127	629	46794	820	91	14	39	122
August 5/6	23 sn	8820	166	43570	554	130			
Total For Week	gn	133854	3517	235213	5182	668	163	486	330
	sn	42407	603	181600	2275	166	0	3	38
Average	377 gn	107.7	2.8	189.3	4.2	0.5	0.1	0.4	0.3
	20 sn	543.7	7.7	2328.2	29.2	2.1	0.0	0.0	0.5
Total To Date		1147451	18892	788459	52314	12921	929	1557	1311

DATE	GEAR		SOCKEYE	COHO	PINK	CHUM	CHINOOK	J. CHIN	STHD-K	STHD-R
August 9/10	305	gn	41683	1533	111881	1608	47	10	147	41
August 9/10	11	sn	6763	513	38174	212	125			8
August 10/11	304	gn	25521	1388	77555	1736	93	38	150	65
August 10/11	15	sn	5176	588	31681	284	124			2
Total For Week		gn	67204	2921	189436	3344	140	48	297	106
		sn	11939	1101	69855	496	249	0	0	10
Average	305	gn	110.4	4.8	311.1	5.5	0.2	0.1	0.5	0.2
	13	sn	459.2	42.3	2686.7	19.1	9.6	0.0	0.0	0.4
Total To Date			1226594	22914	1047750	56154	13310	977	1854	1427
August 16/17	237	gn	38700	1317	80214	1874	66	39	180	110
August 17/18	237	gn	31674	1829	89162	2109	43	24	175	178
Total For Week		gn	70374	3146	169376	3983	109	63	355	288
Average	237	gn	148.5	6.6	357.3	8.4	0.2	0.1	0.7	0.6
Total To Date			1296968	26060	1217126	60137	13419	1040	2209	1715
August 29/30	108	gn	2393	699	1569	708			74	135
Total For Week		gn	2393	699	1569	708	0	0	74	135
Average	108	gn	22.2	6.5	14.5	6.6	0.0	0.0	0.7	1.3
Total To Date			1299361	26759	1218695	60845	13419	1040	2283	1850
Total to Date		GN	1207577	24534	853253	53478	12905	1040	2278	1792
Total to Date		SN	91784	2225	365442	7367	514	0	5	58
% GN Catch			92.94	91.69	70.01	87.89	96.17	100.00	99.78	96.86
% SN Catch			7.06	8.31	29.99	12.11	3.83	0.00	0.22	3.14
TOTAL ALL			1299361	26759	1218695	60845	13419	1040	2283	1850

Gn Days 24.66

Sn Days 10.33

Gn Boat Days 10429

Sn Boat Days 174.33

AREA 5 COMMERCIAL NET CATCH - 1992

DATE	GEAR	SOCKEYE	COHO	PINK	CHUM	CHINOOK	J. CHIN	STHD-K	STHD-R
June 29/30	26 gn	3669	451	416	419	30		1	
June 30/July	11 gn	1305	33	168	321	6			
July 1/2	12 gn	856	120	200	80				
Total For Week	gn	5830	604	784	820	36	0	1	0
Average	16 gn	119.0	12.3	16.0	16.7	0.7	0.0	0.0	0.0
Total To Date		5830	604	784	820	36	0	1	0
July 05/06	17 gn	1725	217	571	281	7	1	1	
July 06/07	9 gn	1229	117	419	182	2	4		
Total For Week	gn	2954	334	990	463	9	5	1	0
Average	13 gn	113.6	12.8	38.1	17.8	0.3	0.2	0.0	0.0
Total To Date		8784	938	1774	1283	45	5	2	0
July 12/13	7 gn	999	83	375	218	7		2	
July 12/13	17 sn	1730	96	3278	341	128			
July 13/14	3 gn	383	54	369	94	3		1	1
July 13/14	13 sn	2060	156	2356	540	151			
July 18/19	10 gn	2015	32	449	100	3		1	
Total For Week	gn	3397	169	1193	412	13	0	4	1
	sn	3790	252	5634	881	279	0	0	0
Average	6.7 gn	169.9	8.5	59.7	20.6	0.7	0.0	0.2	0.1
	15 sn	126.3	8.4	187.8	29.4	9.3	0.0	0.0	0.0
Total To Date		15971	1359	8601	2576	337	5	6	1
July 19/20	7 gn	2074	4	298	89	2			
July 20/21	20 gn	2566	24	513	101	3			
July 20/21	2 sn	500	2	410	20	2			
July 21/22	13 gn	1653	28	502	75	5	1		
July 21/22	2 sn	610	1	1176	28	4			
July 25(8hrs)	27 gn	1553	52	466	91	3	5	3	2
July 25/26	27 gn	4271	346	2113	329	10		6	3
July 25/26	1 sn	550		400					
Total For Week	gn	12117	454	3892	685	23	6	9	5
	sn	1660	3	1986	48	6	0	0	0
Average	22 gn	128.9	4.8	41.4	7.3	0.2	0.1	0.1	0.1
	1.7 sn	332.0	0.6	397.2	9.6	1.2	0.0	0.0	0.0
Total To Date		29748	1816	14479	3309	366	11	15	6
July 26/27	26 gn	3445	355	991	88			2	3
July 26/27	2 sn	1380	43	1900	28	11			
July 27/28	20 gn	1351	182	835	275				
July 27/28	18 sn	1524	33	4107	88	3			
July 28/29	6 gn	553	66	188	54				
July 28/29	12 sn	6612	242	19889	68	32			
August 2(8hrs)	7 gn	336	24	92	48				
August 2(8hrs)	0 sn								
Total For Week	gn	5685	627	2106	465	0	0	2	3
	sn	9516	318	25896	184	46	0	0	0
Average	18 gn	96.4	10.6	35.7	7.9	0.0	0.0	0.0	0.1
	9.6 sn	297.4	9.9	809.3	5.8	1.4	0.0	0.0	0.0
Total To Date		44949	2761	42481	3958	412	11	17	9

DATE	GEAR	SOCKEYE	COHO	PINK	CHUM	CHINOOK	J. CHIN	STHD-K	STHD-R
August 2/3	9 gn	576	119	1040	188				
August 2/3	1 sn	600	50	4500	30	2			
August 3/4	13 gn	915	141	659	340		1		
August 3/4	18 sn	2740	263	71140	879	19			
August 4/5	4 gn								
August 4/5	7 sn	2135	84	17626	280				
August 5/6	4 gn	292	52	224	104				
August 5/6	6 sn	1800		9000					
Total For Week	gn	1783	312	1923	632	0	1	0	0
	sn	7275	397	102266	1189	21	0	0	0
Average	7.5 gn	72.0	12.6	77.7	25.5	0.0	0.0	0.0	0.0
	8 sn	227.3	12.4	3195.8	37.2	0.7	0.0	0.0	0.0
Total To Date		54007	3470	146670	5779	433	12	17	9
August 9/10	31 gn	1846	589	3722	1059			2	1
August 9/10	2 sn	905	10	4665	25				
August 10/11	29 gn	1179	1161	4537	1211				
August 10/11	14 sn	1388	98	18118	173	2			
Total For Week	gn	3025	1750	8259	2270	0	0	2	1
	sn	2293	108	22783	198	2	0	0	0
Average	30 gn	50.4	29.2	137.7	37.8	0.0	0.0	0.0	0.0
	8 sn	143.3	6.8	1423.9	12.4	0.1	0.0	0.0	0.0
Total To Date		59325	5328	177712	8247	435	12	19	10
August 16/17	20 gn	937	594	1598	288			5	
August 16/17	3 sn	905	215	6600	480			6	9
August 17/18	10 gn	373	145	392	107	2		6	6
August 17/18	10 sn	660	308	11490	600	13			5
Total For Week	gn	1310	739	1990	395	2	0	11	6
	sn	1565	523	18090	1080	13	0	6	14
Average	15 gn	43.7	24.6	66.3	13.2	0.1	0.0	0.4	0.2
	6.5 sn	120.4	40.2	1391.5	83.1	1.0	0.0	0.5	1.1
Total To Date		62200	6590	197792	9722	450	12	36	30
Total to Date	GN	36101	4989	21137	6142	83	12	30	16
Total to Date	SN	26099	1601	176655	3580	367	0	6	14
% GN Catch		58.0	75.7	10.7	63.2	18.4	100.0	83.3	53.3
% SN Catch		42.0	24.3	89.3	36.8	81.6	0.0	16.7	46.7
TOTAL ALL		62200	6590	197792	9722	450	12	36	30

Gn Days 23.66
 Sn Days 16.3
 Gn Boat Days 345.33
 Sn Boat Days 128

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h June 29 to 1800h June 30

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD
1) 4-12part,4-15 River/Gap/Slough	GN	35	11	GN AVE 55.82 GN TOTAL 1954	0	0	0	11.91 417	0	0.82 29
2) 4-12 Smith Is.	GN	127	37	GN AVE 126.12 GN TOTAL 16017	0.32 41	0	0.08 10	4.57 580	0.16 20	0.03 4
3) 4-4,4-9 Chatham Sd.	SN			SN AVE 0 SN TOTAL 0	0	0	0	0	0	0
	GN	73	6	GN AVE 68.00 GN TOTAL 4964 TOTAL ALL 4964	0.50 37	0.50 37	0.17 12	4.00 292	1.00 73	0 0
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE 0 SN TOTAL 0	0	0	0	0	0	0
	GN	53	24	GN AVE 126.67 GN TOTAL 6714 TOTAL ALL 6714	0.83 44	0	1.21 64	0	0	0
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE 0 SN TOTAL 0	0	0	0	0	0	0
	GN	18	7	GN AVE 180.00 GN TOTAL 3240 TOTAL ALL 3240	11.00 198	54.00 972	41.00 738	2.00 36	0	0
	SN AVERAGE			0	0	0	0	0	0	0
	SN	0	0	SN TOTAL	0	0	0	0	0	0
	GN AVERAGE			107.5	1.0	3.3	2.7	4.3	0.3	0.1
	GN	306	85	GN TOTAL	32888	319	1009	825	1325	93
TOTAL ALL AREA 4		306	85	TOTAL ALL	32888	319	1009	825	1325	93
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE 0 SN TOTAL 0	0	0	0	0	0	0
	GN	3	3	GN AVE 103.00 GN TOTAL 309 TOTAL ALL 309	4.33 13	1.00 3	1.67 5	0.67 2	0	0.33 1
2) 5-10, 5-13 Browning, Principe	SN			SN AVE 0 SN TOTAL 0	0	0	0	0	0	0
	GN	21	15	GN AVE 153.33 GN TOTAL 3220 TOTAL ALL 3220	20.20 424	15.87 333	19.73 414	1.33 28	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE 0 SN TOTAL 0	0	0	0	0	0	0
	GN	2	1	GN AVE 70.0 GN TOTAL 140 TOTAL ALL 140	7.0 14	40.0 80	0	0	0	0
	SN AVERAGE			0	0	0	0	0	0	0
	SN	0	0	SN TOTAL	0	0	0	0	0	0
	GN AVERAGE			141.11	17.35	16.01	16.13	1.15	0.00	0.04
	GN	26	19	GN TOTAL	3669	451	416	419	30	1
TOTAL ALL AREA 5		26	19	TOTAL ALL	3669	451	416	419	30	1

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h June 30 to 1800h July 01

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD
1) 4-12part,4-15 River/Gap/Slough	GN	28	7	GN AVE 72.71 GN TOTAL 2036	0	0	0	10.86 304	0	0.29 8
2) 4-12 Smith Is.	GN	98	33	GN AVE 70.33 GN TOTAL 6892	0.30 29	0.21 21	0.12 12	3.76 368	0	0
3) 4-4,4-9 Chatham Sd.	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0
	GN	72	26	GN AVE 109.65 GN TOTAL 7895 TOTAL ALL 7895	1.65 119	1.15 83	0.39 28	1.35 97	0.08 6	0 0
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0
	GN	64	30	GN AVE 114.67 GN TOTAL 7339 TOTAL ALL 7339	0.07 4	0 0	0.33 21	0.10 6	0 0	0 0
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0
	GN	12	7	GN AVE 113.43 GN TOTAL 1361 TOTAL ALL 1361	8.29 99	30.00 360	33.00 396	1.00 12	0.29 3	0 0
				SN AVERAGE 0	0	0	0	0	0	0
	SN	0	0	SN TOTAL 0	0	0	0	0	0	0
				GN AVERAGE 93.1	0.9	1.7	1.7	2.9	0.0	0.0
	GN	274	103	GN TOTAL 25523	252	463	457	788	9	8
TOTAL ALL AREA 4		274	103	TOTAL ALL 25523	252	463	457	788	9	8
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0
	GN	3	2	GN AVE 78.50 GN TOTAL 236 TOTAL ALL 236	0	0	2.00 6	0.50 2	0 0	0 0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0
	GN	8	6	GN AVE 133.67 GN TOTAL 1069 TOTAL ALL 1069	41.67 333	21.00 168	39.33 315	0.50 4	0 0	0 0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0
	GN			GN AVE GN TOTAL 0	0	0	0	0	0	0
				TOTAL ALL 0	0	0	0	0	0	0
				SN AVERAGE 0	0	0	0	0	0	0
	SN	0	0	SN TOTAL 0	0	0	0	0	0	0
				GN AVERAGE 118.62	30.31	15.27	29.15	0.50	0.00	0.00
	GN	11	8	GN TOTAL 1305	333	168	321	6	0	0
TOTAL ALL AREA 5		11	8	TOTAL ALL 1305	333	168	321	6	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 01 to 1800h July 02

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD	
1) 4-12part,4-15 River/Gap/Slough	GN	29	17	GN AVE 1522	52.47 5	0.18 5	0.12 3	0.12 3	12.06 350	0.35 10	0.41 12
2) 4-12 Smith Is.	GN	87	45	GN AVE 5356	61.56 70	0.80 70	0.16 14	0.13 11	2.67 232	0	0
3) 4-4,4-9 Chatham Sd.	SN			SN AVE 0	0	0	0	0	0	0	0
	GN	42	24	GN AVE 3360	80.00 135	3.21 135	0.67 28	0.25 11	2.42 102	0.29 12	0 0
				TOTAL ALL 3360	3360	135	28	11	102	12	0
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE 0	0	0	0	0	0	0	0
	GN	66	20	GN AVE 5003	75.80 17	0.25 17	0.40 26	0.65 43	0.20 13	0 0	0 0
				TOTAL ALL 5003	5003	17	26	43	13	0	0
5) 4-1, 4-2, 4-3, SN Outside Area	SN			SN AVE 0	0	0	0	0	0	0	0
	GN	15	9	GN AVE 1033	68.89 118	7.89 118	6.44 97	7.89 118	0.33 5	0 0	0 0
				TOTAL ALL 1033	1033	118	97	118	5	0	0
				SN AVERAGE 0	0	0	0	0	0	0	0
	SN	0	0	SN TOTAL 0	0	0	0	0	0	0	0
	GN	239	115	GN AVERAGE 16274	68.1 344	1.4 344	0.7 169	0.8 187	2.9 702	0.1 22	0.0 12
				TOTAL ALL 16274	16274	344	169	187	702	22	12
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE 0	0	0	0	0	0	0	0
	GN	12	3	GN AVE 856	71.33 120	10.00 120	16.67 200	6.67 80	0 0	0 0	0 0
				TOTAL ALL 856	856	120	200	80	0	0	0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE 0	0	0	0	0	0	0	0
	GN			GN AVE 0	0	0	0	0	0	0	0
				TOTAL ALL 0	0	0	0	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE 0	0	0	0	0	0	0	0
	GN			GN AVE 0	0	0	0	0	0	0	0
				TOTAL ALL 0	0	0	0	0	0	0	0
				SN AVERAGE 0	0	0	0	0	0	0	0
	SN	0	0	SN TOTAL 0	0	0	0	0	0	0	0
	GN	12	3	GN AVERAGE 856	71.33 120	10.00 120	16.67 200	6.67 80	0.00 0	0.00 0	0.00 0
				TOTAL ALL 856	856	120	200	80	0	0	0
TOTAL ALL AREA 5		12	3	TOTAL ALL	856	120	200	80	0	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 05 to 1800h July 06

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part,4-15 River/Gap/Slough	GN	53	41	GN AVE 144.71 GN TOTAL 7670	0.05 3	0.51 27	0.02 1	16.17 857	0.42 22	0.20 11	0.20 11
2) 4-12 Smith Is.	GN	196	85	GN AVE 210.37 GN TOTAL 41233	0.28 55	0.62 122	0.11 22	1.98 388	0.08 16	0.11 22	0
3) 4-4,4-9 Chatham Sd.	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	76	33	GN AVE 211.21 GN TOTAL 16052 TOTAL ALL 16052	0.79 60	0.85 65	0.12 9	0.70 53	0.30 23		0 0 0
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	69	28	GN AVE 108.46 GN TOTAL 7484 TOTAL ALL 7484	0.14 10	0.19 13	1.29 89	0.29 20		0.07 5	0.04 3 3
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	93	51	GN AVE 225.73 GN TOTAL 20993 TOTAL ALL 20993	4.51 419	36.69 3412	14.69 1366	0.69 64		0.12 11	0.06 6 6
	SN AVERAGE			0	0	0	0	0	0	0	0
	SN 0	0		SN TOTAL 0	0	0	0	0	0	0	0
	GN AVERAGE			191.8	1.1	7.5	3.1	2.8	0.1	0.1	0.0
	GN 487	238		GN TOTAL 93431	547	3638	1487	1382	61	48	19
TOTAL ALL AREA 4		487	238	TOTAL ALL 93431	547	3638	1487	1382	61	48	19
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN			GN AVE GN TOTAL 0	0	0	0	0	0	0	0
				TOTAL ALL 0	0	0	0	0	0	0	0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	9	9	GN AVE 120.56 GN TOTAL 1085 TOTAL ALL 1085	9.78 88	42.56 383	16.00 144	0.33 3	0.11 1		0 0 0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	8	6	GN AVE 80.00 GN TOTAL 640 TOTAL ALL 640	16.17 129	23.50 188	17.17 137	0.50 4		0.17 1	0 0 0
	SN AVERAGE			0	0	0	0	0	0	0	0
	SN 0	0		SN TOTAL 0	0	0	0	0	0	0	0
	GN AVERAGE			101.47	12.79	33.59	16.55	0.41	0.06	0.08	0.00
	GN 17	15		GN TOTAL 1725	217	571	281	7	1	1	0
TOTAL ALL AREA 5		17	15	TOTAL ALL 1725	217	571	281	7	1	1	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 06 to 1800h July 07

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	49	37	GN AVE	157.41	0.05	0.89	0.03	18.54	0.19	0.16	0.06
				GN TOTAL	7713	2	44	1	908	9	8	3
2) 4-12 Smith Is.	GN	169	31	GN AVE	149.26	0.23	0.74	0.03	1.81		0.13	0.03
				GN TOTAL	25225	39	125	5	306	0	22	5
3) 4-4,4-9 Chatham Sd.	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	87	34	GN AVE	107.03	0.97	1.82	0.41	0.59	0.06		
				GN TOTAL	9312	84	158	36	51	5	0	0
				TOTAL ALL	9312	84	158	36	51	5	0	0
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	54	18	GN AVE	137.44	0.44	0.39	2.83	0.33	0.06		
				GN TOTAL	7422	24	21	153	18	3	0	0
				TOTAL ALL	7422	24	21	153	18	3	0	0
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	69	27	GN AVE	110.93	1.82	22.26	8.48	0.44			0.11
				GN TOTAL	7654	126	1536	585	30	0	0	8
				TOTAL ALL	7654	126	1536	585	30	0	0	8
				SN AVERAGE	0	0	0	0	0	0	0	0
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0	0
				GN AVERAGE	133.9	0.6	4.4	1.8	3.1	0.0	0.1	0.0
	GN	428	147	GN TOTAL	57326	275	1884	780	1314	18	30	16
TOTAL ALL AREA 4		428	147	TOTAL ALL	57326	275	1884	780	1314	18	30	16
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	9	5	GN AVE	136.60	13.00	46.60	20.20	0.20	0.40		
				GN TOTAL	1229	117	419	182	2	4	0	0
				TOTAL ALL	1229	117	419	182	2	4	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
				SN AVERAGE	0	0	0	0	0	0	0	0
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0	0
				GN AVERAGE	136.60	13.00	46.60	20.20	0.20	0.40	0.00	0.00
	GN	9	5	GN TOTAL	1229	117	419	182	2	4	0	0
TOTAL ALL AREA 5		9	5	TOTAL ALL	1229	117	419	182	2	4	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 12 to 1800h July 13

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R			
1) 4-12part,4-15 River/Gap/Slough	GN	127	29	GN AVE	103.48	0.07	2.72	0.17	7.55	0.52	0.17	0.17		
				GN TOTAL	13142	9	345	22	959	66	22	22		
2) 4-12 Smith Is.	GN	187	48	GN AVE	101.17	0.27	2.44	0.29	1.35	0.08	0.02	0.04		
				GN TOTAL	18919	50	456	54	252	15	4	7		
3) 4-4,4-9 Chatham Sd.	SN			SN AVE										
				SN TOTAL	0	0	0	0	0	0	0	0		
	GN	112	63	GN AVE	80.84	1.49	5.56	1.32	0.38					
				GN TOTAL	9054	167	623	148	43	0	0	0		
				TOTAL ALL	9054	167	623	148	43	0	0	0		
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE										
				SN TOTAL	0	0	0	0	0	0	0	0		
	GN	91	44	GN AVE	81.00	0.71	6.25	4.98	0.30		0.02	0.05		
				GN TOTAL	7371	65	569	453	27	0	2	5		
				TOTAL ALL	7371	65	569	453	27	0	2	5		
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE										
				SN TOTAL	0	0	0	0	0	0	0	0		
	GN	134	67	GN AVE	127.72	5.03	31.42	38.48	0.55	0.03	0.02			
				GN TOTAL	17114	674	4210	5156	74	4	3	0		
				TOTAL ALL	17114	674	4210	5156	74	4	3	0		
				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
				SN	0	0	0	0	0	0	0	0		
				GN AVERAGE	100.8	1.5	9.5	9.0	2.1	0.1	0.0	0.1		
				GN	651	251	65600	965	6203	5833	1355	85	30	34
TOTAL ALL AREA 4		651	251	TOTAL ALL	65600	965	6203	5833	1355	85	30	34		
1) 5-1, 5-2, 5-3 Ogden Channel	SN	8	5	SN AVE	81.20	1.40	228.20	20.60	10.20					
				SN TOTAL	650	11	1826	165	82	0	0	0		
	GN			GN AVE										
				GN TOTAL	0	0	0	0	0	0	0	0		
				TOTAL ALL	650	11	1826	165	82	0	0	0		
2) 5-10, 5-13 Browning, Principe	SN	9	7	SN AVE	120.00	12.14	161.43	19.57	5.14					
				SN TOTAL	1080	85	1453	176	46	0	0	0		
	GN	7	6	GN AVE	142.67	11.83	53.50	31.17	1.00		0.33			
				GN TOTAL	999	83	375	218	7	0	2	0		
				TOTAL ALL	2079	168	1827	394	53	0	2	0		
3) 5-11, 5-12 Browning Entrance	SN			SN AVE										
				SN TOTAL	0	0	0	0	0	0	0	0		
	GN			GN AVE										
				GN TOTAL	0	0	0	0	0	0	0	0		
				TOTAL ALL	0	0	0	0	0	0	0	0		
				SN AVERAGE	101.74	5.66	192.85	20.05	7.52	0.00	0.00	0.00		
				SN	17	12	1730	96	3278	341	128	0	0	
				GN AVERAGE	142.67	11.83	53.50	31.17	1.00	0.00	0.33	0.00		
				GN	7	6	999	83	375	218	7	0	2	0
TOTAL ALL AREA 5		24	18	TOTAL ALL	2728	179	3653	559	135	0	2	0		

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 13 to 1800h July 14

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part,4-15 River/Gap/Slough	GN	48	35	GN AVE 57.34	0.11	2.97	0.14	7.03	0.46	0.11	0.11
				GN TOTAL 2752	5	143	7	337	22	5	5
2) 4-12 Smith Is.	GN	113	43	GN AVE 56.26	0.91	3.47	0.05	0.74	0.05	0.07	0.02
				GN TOTAL 6357	103	392	6	84	6	8	2
3) 4-4,4-9 Chatham Sd.	SN			SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
	GN	77	29	GN AVE 64.72	2.72	8.38	1.00	0.31	0.10		0.03
				GN TOTAL 4983	209	645	77	24	8	0	2
				TOTAL ALL 4983	209	645	77	24	8	0	2
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
	GN	69	15	GN AVE 64.47	0.13	7.33	3.60	0.87			
				GN TOTAL 4448	9	506	248	60	0	0	0
				TOTAL ALL 4448	9	506	248	60	0	0	0
5) 4-1, 4-2, 4-3, SN Outside Area	GN	137	37	SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
				GN AVE 105.49	11.13	22.54	17.24	0.41	0.08		0.08
				GN TOTAL 14452	1525	3088	2362	56	11	0	11
				TOTAL ALL 14452	1525	3088	2362	56	11	0	11
				SN AVERAGE 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL 0	0	0	0	0	0	0	0
				GN AVERAGE 74.3	4.2	10.8	6.1	1.3	0.1	0.0	0.0
	GN	444	159	GN TOTAL 32994	1851	4774	2700	561	46	13	21
TOTAL ALL AREA 4		444	159	TOTAL ALL 32994	1851	4774	2700	561	46	13	21
1) 5-1, 5-2, 5-3 Ogden Channel	SN	4	2	SN AVE 75.00	3.50	122.50	45.00	4.00			
				SN TOTAL 300	14	490	180	16	0	0	0
	GN			GN AVE							
				GN TOTAL 0	0	0	0	0	0	0	0
				TOTAL ALL 300	14	490	180	16	0	0	0
2) 5-10, 5-13 Browning, Principe	SN	9	9	SN AVE 195.56	15.78	207.33	40.00	15.00			
				SN TOTAL 1760	142	1866	360	135	0	0	0
	GN			GN AVE							
				GN TOTAL 0	0	0	0	0	0	0	0
				TOTAL ALL 1760	142	1866	360	135	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
	GN	3	3	GN AVE 127.67	18.00	123.00	31.33	1.00		0.33	0.33
				GN TOTAL 383	54	369	94	3	0	1	1
				TOTAL ALL 383	54	369	94	3	0	1	1
				SN AVERAGE 158.46	12.00	181.23	41.54	11.62	0.00	0.00	0.00
	SN	13	11	SN TOTAL 2060	156	2356	540	151	0	0	0
				GN AVERAGE 127.67	18.00	123.00	31.33	1.00	0.00	0.33	0.33
	GN	3	3	GN TOTAL 383	54	369	94	3	0	1	1
TOTAL ALL AREA 5		16	14	TOTAL ALL 2443	210	2725	634	154	0	1	1

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 18 to 1800h July 19

	GEAR DPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part, 4-15 River/Gap/Slough	GN	224	54	GN AVE	172.93	0.24	21.11	0.63	4.32	0.20	0.41
				GN TOTAL	38736	54	4729	141	968	45	92

2) 4-12 Smith Is.	GN	320	55	GN AVE	142.31	0.98	20.26	0.95	1.13	0.02	0.07
				GN TOTAL	45539	314	6483	304	362	6	22

3) 4-4, 4-9 Chatham Sd.	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN	104	58	GN AVE	139.09	2.29	9.02	2.95	0.31	0.16	0.03
				GN TOTAL	14465	238	938	307	32	17	3
				TOTAL ALL	14465	238	938	307	32	17	3

4) 4-5, 4-8, 4-14 North Boundary	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN	45	32	GN AVE	105.44	0.56	15.16	3.41	0.47		0.06
				GN TOTAL	4745	25	682	153	21	0	3
				TOTAL ALL	4745	25	682	153	21	0	3

5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN	47	10	GN AVE	119.80	3.30	33.90	16.70	0.80		0.50
				GN TOTAL	5631	155	1593	785	38	0	24
				TOTAL ALL	5631	155	1593	785	38	0	24

				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0
				GN AVERAGE	147.5	1.1	19.5	2.3	1.9	0.1	0.2
	GN	740	209	GN TOTAL	109116	786	14425	1690	1420	68	144
				TOTAL ALL	109116	786	14425	1690	1420	68	144
=====											
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN	7	7	GN AVE	223.57	0.71	42.14	9.43	0.43		0.14
				GN TOTAL	1565	5	295	66	3	0	1
				TOTAL ALL	1565	5	295	66	3	0	1

2) 5-10, 5-13 Browning, Principe	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN	2	2	GN AVE	150.00	10.50	68.00	5.00			
				GN TOTAL	300	21	136	10	0	0	0
				TOTAL ALL	300	21	136	10	0	0	0

3) 5-11, 5-12 Browning Entrance	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN	1	1	GN AVE	150.00	6.00	18.00	24.00			
				GN TOTAL	150	6	18	24	0	0	0
				TOTAL ALL	150	6	18	24	0	0	0

				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0
				GN AVERAGE	201.50	3.20	44.90	10.00	0.30	0.00	0.10
	GN	10	10	GN TOTAL	2015	32	449	100	3	0	1
				TOTAL ALL	2015	32	449	100	3	0	1
=====											
TOTAL ALL AREA 4		740	209	TOTAL ALL	109116	786	14425	1690	1420	68	144
=====											
TOTAL ALL AREA 5		10	10	TOTAL ALL	2015	32	449	100	3	0	1

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 19 to 1800h July 20

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part,4-15 River/Gap/Slough	GN	78	41	GN AVE 102.61 GN TOTAL 8004	0.44 34	27.54 2148	0.42 33	3.51 274	0.15 12	0.24 19	0.20 16
2) 4-12 Smith Is.	GN	177	54	GN AVE 125.48 GN TOTAL 22210	0.70 124	21.91 3878	0.41 73	1.19 211	0.15 27	0.09 16	0.11 19
3) 4-4,4-9 Chatham Sd.	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	161	19	GN AVE 70.74 GN TOTAL 11389 TOTAL ALL 11389	4.21 678	8.95 1441	2.16 348	1.11 179	0.16 26		0.26 42
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	47	5	GN AVE 123.60 GN TOTAL 5809 TOTAL ALL 5809	3.80 179	19.40 912	7.60 357	0.80 38			
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	119	22	GN AVE 156.88 GN TOTAL 18669 TOTAL ALL 18669	2.54 302	17.18 2044	11.93 1420	0.46 55		0.17 20	0.69 82
	SN AVERAGE			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN 0	0		SN TOTAL 0	0	0	0	0	0	0	0
	GN AVERAGE			113.5	2.3	17.9	3.8	1.3	0.1	0.1	0.3
	GN 582	141		GN TOTAL 66081	1317	10423	2230	755	64	55	159
TOTAL ALL AREA 4		582	141	66081	1317	10423	2230	755	64	55	159
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	7	6	GN AVE 296.33 GN TOTAL 2074 TOTAL ALL 2074	0.50 4	42.50 298	12.67 89	0.33 2			
2) 5-10, 5-13 Browning, Principe	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN			GN AVE GN TOTAL 0	0	0	0	0	0	0	0
				TOTAL ALL 0	0	0	0	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN			GN AVE GN TOTAL 0	0	0	0	0	0	0	0
				TOTAL ALL 0	0	0	0	0	0	0	0
	SN AVERAGE			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN 0	0		SN TOTAL 0	0	0	0	0	0	0	0
	GN AVERAGE			296.33	0.50	42.50	12.67	0.33	0.00	0.00	0.00
	GN 7	6		GN TOTAL 2074	4	298	89	2	0	0	0
TOTAL ALL AREA 5		7	6	2074	4	298	89	2	0	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 20 to 1800h July 21

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part, 4-15 River/Gap/Slough	GN	91	49	GN AVE 120.08 GN TOTAL 10927	0.59 54	33.08 3010	0.65 59	4.93 449	0.10 9	0.14 13	0.20 18
2) 4-12 Smith Is.	GN	167	31	GN AVE 93.65 GN TOTAL 15640	0.19 32	18.17 3034	0.45 75	0.82 137	0.16 27	0.06 10	0.06 10
3) 4-4, 4-9 Chatham Sd.	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	82	20	GN AVE 87.75 GN TOTAL 7196 TOTAL ALL 7196	4.10 336	17.50 1435	1.40 115	0.30 25	0 0	0 0	0 0
4) 4-5, 4-8, 4-14 North Boundary	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	61	25	GN AVE 107.96 GN TOTAL 6586 TOTAL ALL 6586	1.32 81	30.80 1879	8.80 537	0 0	0 0	0.08 5	0.12 7
5) 4-1, 4-2, 4-3, SN Outside Area	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	129	39	GN AVE 183.25 GN TOTAL 23639 TOTAL ALL 23639	2.10 271	27.16 3504	6.31 814	0.52 67	0 0	0.30 39	0.97 125
	SN AVERAGE			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL 0	0	0	0	0	0	0	0
	GN AVERAGE			120.7	1.5	24.3	3.0	1.3	0.1	0.1	0.3
	GN	530	164	GN TOTAL 63987	773	12862	1600	677	36	66	161
TOTAL ALL AREA 4		530	164	63987	773	12862	1600	677	36	66	161
1) 5-1, 5-2, 5-3 Ogden Channel	SN	2	2	SN AVE 250.00 SN TOTAL 500	1.00 2	205.00 410	10.00 20	1.00 2	0	0	0
	GN	20	20	GN AVE 128.30 GN TOTAL 2566 TOTAL ALL 3066	1.20 24	25.65 513	5.05 101	0.15 3	0 0	0 0	0 0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN			GN AVE GN TOTAL 0 TOTAL ALL 0	0	0	0	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN			GN AVE GN TOTAL 0 TOTAL ALL 0	0	0	0	0	0	0	0
	SN AVERAGE			250.00	1.00	205.00	10.00	1.00	0.00	0.00	0.00
	SN	2	2	SN TOTAL 500	2	410	20	2	0	0	0
	GN AVERAGE			128.30	1.20	25.65	5.05	0.15	0.00	0.00	0.00
	GN	20	20	GN TOTAL 2566	24	513	101	3	0	0	0
TOTAL ALL AREA 5		22	22	3066	26	923	121	5	0	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 21 to 1800h July 22

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	89	53	GN AVE	129.02	0.68	40.07	0.62	2.57	0.32	0.21	0.13
				GN TOTAL	11483	61	3566	55	229	28	19	12
2) 4-12 Smith Is.	GN	181	28	GN AVE	135.75	2.04	26.46	1.50	0.32	0.04	0.20	0.08
				GN TOTAL	24571	369	4789	272	58	7	36	14
3) 4-4,4-9 Chatham Sd.	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	92	25	GN AVE	76.88	2.56	35.56	2.08	0.24			
				GN TOTAL	7073	236	3272	191	22	0	0	0
				TOTAL ALL	7073	236	3272	191	22	0	0	0
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	52	16	GN AVE	114.31	0.19	13.75	1.88				
				GN TOTAL	5944	10	715	98	0	0	0	0
				TOTAL ALL	5944	10	715	98	0	0	0	0
5) 4-1, 4-2, 4-3, Outside Area (ratioed from 12 & 24 hr hail Item 3 & 5)	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	119	0	GN AVE	113.74	0.89	14.94	16.62	0.25		0.33	0.15
				GN TOTAL	13535	106	1778	1978	30	0	39	18
				TOTAL ALL	13535	106	1778	1978	30	0	39	18
				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0	0
				GN AVERAGE	117.5	1.5	26.5	4.9	0.6	0.1	0.2	0.1
	GN	533	122	GN TOTAL	62606	781	14120	2594	338	36	94	44
TOTAL ALL AREA 4		533	122		62606	781	14120	2594	338	36	94	44
1) 5-1, 5-2, 5-3 Ogden Channel	SN	2	2	SN AVE	305.00	0.50	588.00	14.00	2.00			
				SN TOTAL	610	1	1176	28	4	0	0	0
	GN	13	12	GN AVE	127.17	2.17	38.58	5.75	0.42	0.08		
				GN TOTAL	1653	28	502	75	5	1	0	0
				TOTAL ALL	2263	29	1678	103	9	1	0	0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
				SN AVERAGE	305.00	0.50	588.00	14.00	2.00	0.00	0.00	0.00
	SN	2	2	SN TOTAL	610	1	1176	28	4	0	0	0
				GN AVERAGE	127.17	2.17	38.58	5.75	0.42	0.08	0.00	0.00
	GN	13	12	GN TOTAL	1653	28	502	75	5	1	0	0
TOTAL ALL AREA 5		15	14		2263	29	1678	103	9	1	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1000h July 25 to 1800h July 25

	GEAR DPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	210	46	GN AVE	84.11	0.07	20.48	0.20	0.17	0.02	0.09	0.09
				GN TOTAL	17663	15	4301	42	36	4	19	19
2) 4-12 Smith Is.	GN	125	66	GN AVE	57.47	0.14	8.64	0.30	0.05		0.03	0.08
				GN TOTAL	7184	18	1080	38	6	0	4	10
3) 4-4,4-9 Chatham Sd.	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	172	51	GN AVE	20.41	0.57	12.31	0.71	0.06	0.06	0.04	0.02
				GN TOTAL	3511	98	2117	122	10	10	7	3
				TOTAL ALL	3511	98	2117	122	10	10	7	3
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	76	28	GN AVE	22.96	0.21	3.04	0.96				0.04
				GN TOTAL	1745	16	231	73	0	0	0	3
				TOTAL ALL	1745	16	231	73	0	0	0	3
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	123	20	GN AVE	86.65	0.70	51.30	20.45	0.05		0.05	0.05
				GN TOTAL	10658	86	6310	2515	6	0	6	6
				TOTAL ALL	10658	86	6310	2515	6	0	6	6
				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0	0
				GN AVERAGE	57.7	0.3	19.9	4.0	0.1	0.0	0.1	0.1
	GN	706	211	GN TOTAL	40760	232	14039	2790	58	15	36	42
TOTAL ALL AREA 4		706	211		40760	232	14039	2790	58	15	36	42
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	20	13	GN AVE	49.23	0.54	11.62	1.85	0.15	0.23		0.08
				GN TOTAL	985	11	232	37	3	5	0	2
				TOTAL ALL	985	11	232	37	3	5	0	2
2) 5-10, 5-13 Browning, Principe	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	4	4	GN AVE	124.50	8.25	33.50	9.75			0.75	
				GN TOTAL	498	33	134	39	0	0	3	0
				TOTAL ALL	498	33	134	39	0	0	3	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	3	3	GN AVE	23.33	2.67	33.33	5.00				
				GN TOTAL	70	8	100	15	0	0	0	0
				TOTAL ALL	70	8	100	15	0	0	0	0
				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0	0
				GN AVERAGE	57.50	1.92	17.27	3.37	0.11	0.17	0.11	0.06
	GN	27	20	GN TOTAL	1553	52	466	91	3	5	3	2
TOTAL ALL AREA 5		27	20		1553	52	466	91	3	5	3	2

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 25 to 1800h July 26

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part,4-15 River/Gap/Slough	GN	195	54	GN AVE 132.65 GN TOTAL 25867	0.70 137	89.76 17503	1.07 209	1.06 207	0.22 43	0.37 72	0.07 14
2) 4-12 Smith Is.	GN	119	61	GN AVE 106.30 GN TOTAL 12650	1.69 201	37.66 4482	3.08 367	0.41 49	0.07 8	0.08 10	0.08 10
3) 4-4,4-9 Chatham Sd.	SN	1	1	SN AVE 500 SN TOTAL 500		500 0					
	GN	170	38	GN AVE 83.47 GN TOTAL 14190 TOTAL ALL 14690	1.58 269	27.03 4595 5095	3.71 631	0.13 22	0.03 5	0.08 14	0.03 5 5
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	69	20	GN AVE 162.80 GN TOTAL 11233 TOTAL ALL 11233	0.85 59	13.10 904	7.65 528	0.05 3			0.15 10 10
5) 4-1, 4-2, 4-3, Outside Area	SN	8	4	SN AVE 387.50 SN TOTAL 3100	4.00 32	1350.00 10800	188.25 1506	3.00 24		0 0	0 0
	GN	123	39	GN AVE 150.80 GN TOTAL 18548 TOTAL ALL 21648	2.64 325	67.67 8323 19123	24.85 3057 4563	0.13 16 40		0.36 44 44	0.18 22 22
	SN AVERAGE			400.00	3.56	1255.56	167.33	2.67	0.00	0.00	0.00
	SN	9	5	SN TOTAL 3600	32	11300	1506	24	0	0	0
	GN AVERAGE			122.0	1.5	53.0	7.1	0.4	0.1	0.2	0.1
	GN	676	212	GN TOTAL 82488	990	35807	4790	297	56	140	61
TOTAL ALL AREA 4		685	217	86088	1022	47107	6296	321	56	140	61
1) 5-1, 5-2, 5-3 Ogden Channel	SN	1	1	SN AVE 550.00 SN TOTAL 550		400.00 0					
	GN	10	7	GN AVE 146.29 GN TOTAL 1463 TOTAL ALL 2013	1.57 16	58.43 584	5.14 51	0.29 3			0.14 1 1
2) 5-10, 5-13 Browning, Principe	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	13	7	GN AVE 194.57 GN TOTAL 2529 TOTAL ALL 2529	20.29 264	63.14 821	17.29 225	0.43 6		0.43 6	0.14 2 2
3) 5-11, 5-12 Browning Entrance	SN			SN AVE SN TOTAL 0	0	0	0	0	0	0	0
	GN	4	4	GN AVE 69.75 GN TOTAL 279 TOTAL ALL 279	16.75 67	77.00 308	13.25 53	0.50 2			
	SN AVERAGE			550.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00
	SN	1	1	SN TOTAL 550	0	400	0	0	0	0	0
	GN AVERAGE			158.20	12.83	63.45	12.19	0.39	0.00	0.21	0.12
	GN	27	18	GN TOTAL 4271	346	1713	329	10	0	6	3
TOTAL ALL AREA 5		28	19	4821	346	2113	329	10	0	6	3

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 26 to 1800h July 27

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	145	46	GN AVE	120.87	0.94	111.61	2.11	1.33	0.12	0.28	0.70
				GN TOTAL	17526	136	16183	306	193	17	41	102
2) 4-12 Smith Is.	GN	128	46	GN AVE	118.17	5.76	51.78	8.04	0.52	0.24	0.15	0.04
				GN TOTAL	15126	737	6628	1029	67	31	19	5
3) 4-4,4-9 Chatham Sd.	SN	2	1	SN AVE	375.00		375.00					
				SN TOTAL	750	0	750	0	0	0	0	0
	GN	165	22	GN AVE	23.92	0.59	19.85	1.28	0.15	0.10	0.08	0.13
				GN TOTAL	3947	97	3275	211	25	17	13	21
				TOTAL ALL	4697	97	4025	211	25	17	13	21
4) 4-5,4-8,4-14 North Boundary Factored 12hto24h N.B.\Outside	SN	1	0	SN AVE	375.00		375.00					
				SN TOTAL	375	0	375	0	0	0	0	0
	GN	69	0	GN AVE	118.45	0.52	31.85	57.67	0.06			0.10
				GN TOTAL	8173	36	2198	3979	4	0	0	7
				TOTAL ALL	8548	36	2573	3979	4	0	0	7
5) 4-1, 4-2, 4-3, Outside Area	SN	7	3	SN AVE	666.67		2366.67					
				SN TOTAL	4667	0	16567	0	0	0	0	0
	GN	119	10	GN AVE	71.00	3.30	91.30	15.80	0.20		0.20	0.10
				GN TOTAL	8449	393	10865	1880	24	0	24	12
				TOTAL ALL	13116	393	27431	1880	24	0	24	12
				SN AVERAGE	579.17	0.00	1769.17	0.00	0.00	0.00	0.00	0.00
	SN	10	4	SN TOTAL	0	5792	0	17692	0	0	0	0
				GN AVERAGE	85.02	2.24	62.54	11.83	0.50	0.10	0.15	0.23
	GN	626	124	GN TOTAL	53221	1400	39149	7406	312	65	97	147
TOTAL ALL AREA 4		636	128		59012	1400	56841	7406	312	65	97	147
1) 5-1, 5-2, 5-3 Ogden Channel	SN	2	2	SN AVE	690.00	21.50	950.00	14.00	5.50			
				SN TOTAL	1380	43	1900	28	11	0	0	0
	GN	9	5	GN AVE	143.00	3.80	41.80	6.80			0.20	0.20
				GN TOTAL	1287	34	376	61	0	0	2	2
				TOTAL ALL	2667	77	2276	89	11	0	2	2
2) 5-10, 5-13 Browning, Principe	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	17	14	GN AVE	126.93	18.86	36.14	1.57				0.07
				GN TOTAL	2158	321	614	27	0	0	0	1
				TOTAL ALL	2158	321	614	27	0	0	0	1
3) 5-11, 5-12 Browning Entrance	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
				SN AVERAGE	690.00	21.50	950.00	14.00	5.50	0.00	0.00	0.00
	SN	2	2	SN TOTAL	1380	43	1900	28	11	0	0	0
				GN AVERAGE	132.49	13.65	38.10	3.38	0.00	0.00	0.07	0.12
	GN	26	19	GN TOTAL	3445	355	991	88	0	0	2	3
TOTAL ALL AREA 5		28	21		4825	398	2891	116	11	0	2	3

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 27 to 1800h July 28

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	107	56	GN AVE	128.73	1.46	94.13	1.80	1.46	0.18	0.11	0.16
				GN TOTAL	13774	156	10072	193	156	19	12	17
2) 4-12 Smith Is.	GN	61	25	GN AVE	89.48	4.88	44.00	4.92	0.32	0.12	0.28	0.04
				GN TOTAL	5458	298	2684	300	20	7	17	2
3) 4-4,4-9 Chatham Sd.	SN	2	2	SN AVE	150	6	325	20				
				SN TOTAL	300	12	650	40	0	0	0	0
	GN	67	22	GN AVE	63.00	1.59	29.09	4.55	0.32		0.41	0.05
				GN TOTAL	4221	107	1949	305	21	0	27	3
				TOTAL ALL	4521	119	2599	345	21	0	27	3
4) 4-5,4-8,4-14 North Boundary	SN	6	5	SN AVE	288		477					
				SN TOTAL	1728	0	2863	0	0	0	0	0
	GN	51	30	GN AVE	98.37	0.83	14.10	9.93	0.20		0.20	0.27
				GN TOTAL	5017	42	719	506	10	0	10	14
				TOTAL ALL	6745	42	3582	506	10	0	10	14
5) 4-1, 4-2, 4-3, Outside Area	SN	13	11	SN AVE	315.46	9.73	1916.00	34.64	2.46			0.36
				SN TOTAL	4101	126	24908	450	32	0	0	5
	GN	72	22	GN AVE	85.64	6.96	71.05	8.77	0.36	0.09	0.18	0.14
				GN TOTAL	6166	501	5116	631	26	6	13	10
				TOTAL ALL	10267	628	30024	1082	58	6	13	15
				SN AVERAGE	291.86	6.59	1353.39	23.35	1.52	0.00	0.00	0.22
				SN TOTAL	6129	138	28421	490	32	0	0	5
				GN AVERAGE	96.7	3.1	57.4	5.4	0.7	0.1	0.2	0.1
				GN TOTAL	34636	1104	20540	1935	233	33	79	47
TOTAL ALL AREA 4		379	173		40765	1242	48961	2426	265	33	79	51
1) 5-1, 5-2, 5-3 Ogden Channel	SN	14	10	SN AVE	87.60	2.10	215.50	5.60	0.20			0.30
				SN TOTAL	1226	29	3017	78	3	0	0	4
	GN	2	2	GN AVE	40.00	0.50	30.00	4.50				
				GN TOTAL	80	1	60	9	0	0	0	0
				TOTAL ALL	1306	30	3077	87	3	0	0	4
2) 5-10, 5-13 Browning, Principe	SN	4	4	SN AVE	74.50	1.00	272.50	2.50				
				SN TOTAL	298	4	1090	10	0	0	0	0
	GN	11	9	GN AVE	78.89	11.11	28.22	9.56				0.22
				GN TOTAL	868	122	310	105	0	0	0	2
				TOTAL ALL	1166	126	1400	115	0	0	0	2
3) 5-11, 5-12 Browning Entrance	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	7	7	GN AVE	57.57	8.43	66.43	23.00				0.29
				GN TOTAL	403	59	465	161	0	0	0	2
				TOTAL ALL	403	59	465	161	0	0	0	2
				SN AVERAGE	84.69	1.86	228.17	4.91	0.16	0.00	0.00	0.23
				SN TOTAL	1524	33	4107	88	3	0	0	4
				GN AVERAGE	67.54	9.11	41.77	13.76	0.00	0.00	0.00	0.22
				GN TOTAL	1351	182	835	275	0	0	0	4
TOTAL ALL AREA 5		38	32		2875	216	4942	364	3	0	0	9

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h July 28 to 1800h July 29

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R		
1) 4-12part,4-15 River/Gap/Slough	GN	117	60	GN AVE 134.20 GN TOTAL 15701	2.40 281	89.33 10452	2.53 296	1.35 158	0.10 12	0.17 20	0.18 21		
2) 4-12 Smith Is.	GN	92	42	GN AVE 98.86 GN TOTAL 9095	1.60 147	62.57 5756	2.05 189	0.41 38	0.05 5	0.05 5	0.02 2		
3) 4-4,4-9 Chatham Sd.	SN	5	2	SN AVE 460.00 SN TOTAL 2300	10.00 50	500.00 2500	10.00 50	1.00 5					
	GN	65	27	GN AVE 54.59 GN TOTAL 3548 TOTAL ALL 5848	3.11 202 252	51.96 3377 5877	4.33 281 331	0.30 20 25	0.15 10 10	0.11 7 7	0.07 5 5		
4) 4-5,4-8,4-14 North Boundary	SN	5	4	SN AVE 252.75 SN TOTAL 1264	1.25 5	321.75 1609	24.00 120						
	GN	55	25	GN AVE 87.48 GN TOTAL 4811 TOTAL ALL 6075	2.04 112 117	22.12 1217 2825	9.32 513 633	0.04 2 2		0.28 15 15	0.12 7 7		
5) 4-1, 4-2, 4-3, Outside Area	SN	9	9	SN AVE 368.11 SN TOTAL 3313	9.00 81	2189.44 19705	21.78 196	1.67 15		0.22 2			
	GN	98	11	GN AVE 48.55 GN TOTAL 4758 TOTAL ALL 8071	3.27 320 401	56.46 5533 25238	6.09 597 793	0.27 26 41			0.18 18 18		
				SN AVERAGE 361.93 SN 19 15 SN TOTAL 6877 GN AVERAGE 88.8 GN 427 165 GN TOTAL 37914	7.16 136 2.5 1063	1253.35 23814 61.7 26335	19.26 366 4.4 1875	1.05 20 0.6 244	0.00 0 0.1 26	0.10 2 0.1 47	0.00 0 0.1 52		
TOTAL ALL AREA 4		446	180			44791	1199	50149	2242	264	26	49	52
1) 5-1, 5-2, 5-3 Ogden Channel	SN	6	6	SN AVE 606.67 SN TOTAL 3640	12.00 72	1773.17 10639	11.33 68	5.33 32					
	GN			GN AVE GN TOTAL 0 TOTAL ALL 3640	0 0 72	0 0 10639	0 0 68	0 0 32	0 0 0	0 0 0	0 0 0		
2) 5-10, 5-13 Browning, Principe	SN	6	6	SN AVE 495.33 SN TOTAL 2972	28.33 170	1541.67 9250							
	GN	2	2	GN AVE 70.00 GN TOTAL 140 TOTAL ALL 3112	11.50 23 193	45.50 91 9341	8.50 17 17						
3) 5-11, 5-12 Browning Entrance	SN			SN AVE SN TOTAL 0 GN AVE 103.33 GN TOTAL 413 TOTAL ALL 413	0 0 10.67 43 43	0 0 24.33 97 97	0 0 9.33 37 37	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0		
	GN	4	3										
				SN AVERAGE 551.00 SN 12 12 SN TOTAL 6612 GN AVERAGE 92.22 GN 6 5 GN TOTAL 553	20.17 242 10.95 66	1657.42 19889 31.39 188	5.67 68 9.05 54	2.67 32 0.00 0	0.00 0 0.00 0	0.00 0 0.00 0	0.00 0 0.00 0		
TOTAL ALL AREA 5		18	17			7165	308	20077	122	32	0	0	0

AREA 4 AND 5 HAIL DATA

Fishing period 1000h Aug 2 to 1800h Aug 2

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	159	24	GN AVE	117.00	2.10	139.00	2.25	0.75	0.21	0.40	0.21
				GN TOTAL	18603	334	22101	358	119	33	64	33
2) 4-12 Smith Is.	GN	250	23	GN AVE	112.00	2.80	85.00	0.74	0.35	0.00	0.26	0.09
				GN TOTAL	28000	700	21250	185	88	0	65	23
3) 4-4,4-9 Chatham Sd.	SN	14	1	SN AVE	235.00	0.00	675.00	0.00	0.00	0.00	0.00	0.00
				SN TOTAL	3290	0	9450	0	0	0	0	0
	GN	60	32	GN AVE	79.00	0.72	74.00	0.63	0.34	0.00	0.16	0.16
				GN TOTAL	4740	43	4440	38	20	0	10	10
				TOTAL ALL	8030	43	13890	38	20	0	10	10
4) 4-5,4-8,4-14 North Boundary	SN	7	1	SN AVE	1400	150.00	1510.00	300.00	0.00	0.00	0.00	0.00
				SN TOTAL	9800	150	10570	2100	0	0	0	0
	GN	100	50	GN AVE	67.00	1.30	32.00	4.20	0.00	0.00	0.10	0.08
				GN TOTAL	6700	130	3200	420	0	0	10	8
				TOTAL ALL	16500	280	13770	2520	0	0	10	8
5) 4-1, 4-2, 4-3, Outside Area	SN	13	10	SN AVE	150.00	5.00	980.00	10.30	1.80	0.00	0.00	0.40
				SN TOTAL	1950	65	12740	134	23	0	0	5
	GN	18	11	GN AVE	48.00	2.50	46.00	4.50	0.00	0.00	0.00	0.00
				GN TOTAL	864	45	828	81	0	0	0	0
				TOTAL ALL	2814	110	13568	215	23	0	0	5
				SN AVERAGE	442.35	6.32	963.53	65.70	0.69	0.00	0.00	0.15
	SN	34	12	SN TOTAL	15040	215	32760	2234	23	0	0	5
				GN AVERAGE	100.4	2.1	88.3	1.8	0.4	0.1	0.3	0.1
	GN	587	140	GN TOTAL	58907	1252	51819	1082	227	33	148	73
TOTAL ALL AREA 4		621	152		73947	1467	84579	3315	251	33	148	79
1) 5-1, 5-2, 5-3 Ogden Channel	SN	0	0	SN AVE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	1	1	GN AVE	12.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
				GN TOTAL	12	0	2	0	0	0	0	0
				TOTAL ALL	12	0	2	0	0	0	0	0
2) 5-10, 5-13 Browning, Principe	SN	0	0	SN AVE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	6	4	GN AVE	54.00	4.00	15.00	8.00	0.00	0.00	0.00	0.00
				GN TOTAL	324	24	90	48	0	0	0	0
				TOTAL ALL	324	24	90	48	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN	0	0	SN AVE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	0	0	GN AVE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0	0
				GN AVERAGE	48.00	3.43	13.14	6.86	0.00	0.00	0.00	0.00
	GN	7	5	GN TOTAL	336	24	92	48	0	0	0	0
TOTAL ALL AREA 5		7	5		336	24	92	48	0	0	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h Aug 3 to 1800h Aug 4

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part,4-15 River/Gap/Slough	GN	135	48	GN AVE 129.27 GN TOTAL 17451	3.19 431	304.56 41116	2.27 306	1.17 158	0.19 26	0.75 101	0.17 23
2) 4-12 Smith Is.	GN	140	58	GN AVE 80.62 GN TOTAL 11287	2.60 364	131.24 18374	2.55 357	0.38 53	0.30 42	0.26 36	0.10 14
3) 4-4,4-9 Chatham Sd.	SN	10	4	SN AVE 240.00 SN TOTAL 2400	0.00 0	2160.00 21600	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0
	GN	80	50	GN AVE 48.02 GN TOTAL 3842	1.30 104	82.10 6568	3.36 269	0.30 24	0.00 0	0.22 18	0.42 34
				TOTAL ALL 6242	104	28168	269	24	0	18	34
4) 4-5,4-8,4-14 North Boundary	SN	1	1	SN AVE 600.00 SN TOTAL 600	5.00 5	2000.00 2000	20.00 20	10.00 10	0.00 0	0.00 0	0.00 0
	GN	70	33	GN AVE 71.88 GN TOTAL 5032	1.64 115	54.48 3814	0.61 43	0.03 2	0.18 13	0.52 36	0 0
				TOTAL ALL 5632	120	5814	63	12	13	36	0
5) 4-1, 4-2, 4-3, Outside Area	SN	14	14	SN AVE 277.14 SN TOTAL 3880	12.64 177	1964.29 27500	3.14 44	0.14 2	0.00 0	0.00 0	0.00 0
	GN	24	9	GN AVE 69.89 GN TOTAL 1677	2.67 64	77.78 1867	9.89 237	0.33 8	0.00 0	0.00 0	0.00 0
				TOTAL ALL 5557	241	29367	281	10	0	0	0
				SN AVERAGE 275.20	7.28	2044.00	2.56	0.48	0.00	0.00	0.00
	SN	25	19	SN TOTAL 6880	182	51100	64	12	0	0	0
				GN AVERAGE 87.5	2.4	159.8	2.7	0.5	0.2	0.4	0.2
	GN	449	198	GN TOTAL 39289	1078	71738	1212	245	80	192	71
TOTAL ALL AREA 4		474	217	46169	1259	122838	1276	257	80	192	71
1) 5-1, 5-2, 5-3 Ogden Channel	SN	16	11	SN AVE 152.00 SN TOTAL 2432	15.00 240	4007.00 64112	52.00 832	1.00 16	0.00 0	0.00 0	0.00 0
	GN	4	3	GN AVE 73.00 GN TOTAL 292	13.00 52	56.00 224	26.00 104	0.00 0	0.00 0	0.00 0	0.00 0
				TOTAL ALL 2724	292	64336	936	16	0	0	0
2) 5-10, 5-13 Browning, Principe	SN	2	2	SN AVE 154.00 SN TOTAL 308	11.60 23	3514.00 7028	23.60 47	1.70 3	0.00 0	0.00 0	0.00 0
	GN	4	3	GN AVE 114.00 GN TOTAL 456	9.00 36	50.00 200	59.00 236	0.00 0	0.30 1	0.00 0	0.00 0
				TOTAL ALL 764	59	7228	283	3	1	0	0
3) 5-11, 5-12 Browning Entrance	SN	0	0	SN AVE 0.00 SN TOTAL 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0
	GN	5	3	GN AVE 33.33 GN TOTAL 167	10.67 53	47.00 235	0.00 0	0.00 0	0.00 0	0.00 0	0.00 0
				TOTAL ALL 167	53	235	0	0	0	0	0
				SN AVERAGE 152.22	14.62	3952.22	48.84	1.08	0.00	0.00	0.00
	SN	18	13	SN TOTAL 2740	263	71140	879	19	0	0	0
				GN AVERAGE 70.36	10.87	50.69	26.15	0.00	0.09	0.00	0.00
	GN	13	9	GN TOTAL 915	141	659	340	0	1	0	0
TOTAL ALL AREA 5		31	22	3655	405	71799	1219	19	1	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h Aug 4 to 1800h Aug 5

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	110	50	GN AVE	115.92	4.02	428.76	3.86	0.54	0.16	0.54	0.12
				GN TOTAL	12751	442	47164	425	59	18	59	13
2) 4-12 Smith Is.	GN	53	32	GN AVE	85.66	1.63	106.75	2.22	0.28	0.03	0.41	0.06
				GN TOTAL	4540	86	5658	118	15	2	22	3
3) 4-4,4-9 Chatham Sd.	SN	11	7	SN AVE	571.43		2285.71					
				SN TOTAL	6286	0	25143	0	0	0	0	0
	GN	59	38	GN AVE	36.89	0.68	62.47	2.15	0.16	0.00	0.08	0.18
				GN TOTAL	2177	40	3686	127	9	0	5	11
				TOTAL ALL	8462	40	28829	127	9	0	5	11
4) 4-5,4-8,4-14 North Boundary	SN	3	2	SN AVE	220.00	0.00	345.50	10.50	0.00	0.00	0.00	0.00
				SN TOTAL	660	0	1037	32	0	0	0	0
	GN	68	30	GN AVE	64.90	1.10	51.50	4.97	0.00	0.00	0.57	0.20
				GN TOTAL	4413	75	3502	338	0	0	39	14
				TOTAL ALL	5073	75	4539	369	0	0	39	14
5) 4-1, 4-2, 4-3, Outside Area	SN	0	0	SN AVE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	1	1	GN AVE	50.00	1.00	14.00	28.00	0.00	0.00	0.00	0.00
				GN TOTAL	50	1	14	28	0	0	0	0
				TOTAL ALL	50	1	14	28	0	0	0	0
				SN AVERAGE	496.12	0.00	1869.95	2.25	0.00	0.00	0.00	0.00
	SN	14	9	SN TOTAL	6946	0	26179	32	0	0	0	0
				GN AVERAGE	82.2	2.2	206.3	3.6	0.3	0.1	0.4	0.1
	GN	291	151	GN TOTAL	23931	645	60023	1035	84	19	125	41
TOTAL ALL AREA 4		305	160		30877	645	86202	1067	84	19	125	41
1) 5-1, 5-2, 5-3 Ogden Channel	SN	7	2	SN AVE	305.00	12.00	2518.00	40.00	0.00	0.00	0.00	0.00
				SN TOTAL	2135	84	17626	280	0	0	0	0
	GN	4	0	GN AVE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	2135	84	17626	280	0	0	0	0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
				SN AVERAGE	305.00	12.00	2518.00	40.00	0.00	0.00	0.00	0.00
	SN	7	2	SN TOTAL	2135	84	17626	280	0	0	0	0
				GN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GN	4	0	GN TOTAL	0	0	0	0	0	0	0	0
TOTAL ALL AREA 5		11	2		2135	84	17626	280	0	0	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h Aug 5 to 1800h Aug 6

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part,4-15 River/Gap/Slough	GN	110	48	GN AVE	91.54	3.10	303.81	2.67	0.40	0.10	0.19
				GN TOTAL	10069	341	33419	294	44	11	21
2) 4-12 Smith Is.	GN	80	23	GN AVE	60.65	0.61	87.00	1.55	0.35	0.04	0.00
				GN TOTAL	4852	49	6960	124	28	3	0
3) 4-4,4-9 Chatham Sd.	SN	9	9	SN AVE	453.33	0.00	2146.67	0.00	0.00	0.00	0.00
				SN TOTAL	4080	0	19320	0	0	0	0
	GN	37	25	GN AVE	40.88	2.72	71.96	3.52	0.24	0.00	0.16
				GN TOTAL	1513	101	2663	130	9	0	6
				TOTAL ALL	5593	101	21983	130	9	0	6
4) 4-5,4-8,4-14 North Boundary	SN	7	7	SN AVE	338.57	11.86	1732.14	39.57	9.29	0.00	0.00
				SN TOTAL	2370	83	12125	277	65	0	0
	GN	38	20	GN AVE	40.88	2.72	71.96	3.52	0.24	0.00	0.16
				GN TOTAL	1553	103	2734	134	9	0	6
				TOTAL ALL	3923	186	14859	411	74	0	6
5) 4-1, 4-2, 4-3, Outside Area	SN	7	7	SN AVE	338.57	11.86	1732.14	39.57	9.29	0.00	0.00
				SN TOTAL	2370	83	12125	277	65	0	0
	GN	20	20	GN AVE	57.00	1.75	50.90	6.90	0.05	0.00	0.30
				GN TOTAL	1140	35	1018	138	1	0	6
				TOTAL ALL	3510	118	13143	415	66	0	6
				SN AVERAGE	383.48	7.22	1894.35	24.09	5.65	0.00	0.00
	SN	23	23	SN TOTAL	8820	166	43570	554	130	0	0
				GN AVERAGE	67.1	2.2	164.2	2.9	0.3	0.0	0.1
	GN	285	136	GN TOTAL	19127	629	46794	820	91	14	39
TOTAL ALL AREA 4		308	159		27947	795	90364	1374	221	14	39
1) 5-1, 5-2, 5-3 Ogden Channel	SN	6	1	SN AVE	300.00	0.00	1500.00	0.00	0.00	0.00	0.00
				SN TOTAL	1800	0	9000	0	0	0	0
	GN	4	0	GN AVE	73.00	13.00	56.00	26.00	0.00	0.00	0.00
				GN TOTAL	292	52	224	104	0	0	0
				TOTAL ALL	2092	52	9224	104	0	0	0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN			GN AVE							
				GN TOTAL	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN			GN AVE							
				GN TOTAL	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0
				SN AVERAGE	300.00	0.00	1500.00	0.00	0.00	0.00	0.00
	SN	6	1	SN TOTAL	1800	0	9000	0	0	0	0
				GN AVERAGE	73.00	13.00	56.00	26.00	0.00	0.00	0.00
	GN	4	0	GN TOTAL	292	52	224	104	0	0	0
TOTAL ALL AREA 5		10	1		2092	52	9224	104	0	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h August 09 to 1800h August 10

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIM	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	137	45	GN AVE 181.76 GN TOTAL 24901	3.64 499	538.36 73755	5.84 800	0.22 30	0.07 10	0.42 58	0.11 15	
2) 4-12 Smith Is.	GN	55	28	GN AVE 130.86 GN TOTAL 7197	4.32 238	214.61 11804	3.86 212			0.21 12	0.18 10	
3) 4-4,4-9 Chatham Sd.	SN	1	1	SN AVE 650.00 SN TOTAL 650		5850.00 5850						
	GN	65	38	GN AVE 66.95 GN TOTAL 4352	10.50 683	253.75 16494	5.27 343	0.25 16		0.77 50	0.16 10	
				TOTAL ALL 5002	683	22344	343	16	0	50	10	
4) 4-5,4-8,4-14 North Boundary	SN	5	5	SN AVE 660.00 SN TOTAL 3300		1739.80 8699	2.40 12	0.20 1			0.80 4	
	GN	45	18	GN AVE 111.83 GN TOTAL 5032	1.83 82	201.50 9068	5.28 238			0.56 25	0.11 5	
				TOTAL ALL 8332	82	17767	250	1	0	25	9	
5) 4-1, 4-2, 4-3, Outside Area	SN	5	4	SN AVE 562.50 SN TOTAL 2813	102.50 513	4725.00 23625	40.00 200	24.75 124			0.75 4	
	GN	3	0	GN AVE 66.95 GN TOTAL 201	10.50 32	253.75 761	5.27 16	0.25 1		0.77 2	0.16 0	
				TOTAL ALL 3013	544	24386	216	125	0	2	4	
				SN AVERAGE 614.77	46.59	3470.36	19.27	11.34	0.00	0.00	0.70	
	SN	11	10	SN TOTAL 6763	513	38174	212	125	0	0	8	
				GN AVERAGE 136.7	5.0	366.8	5.3	0.2	0.0	0.5	0.1	
	GN	305	129	GN TOTAL 41683	1533	111881	1608	47	10	147	41	
TOTAL ALL AREA 4		316	139		48446	2045	150055	1820	172	10	147	49
1) 5-1, 5-2, 5-3 Ogden Channel	SN	2	2	SN AVE 452.50 SN TOTAL 905	5.00 10	2332.50 4665	12.50 25					
	GN	8	8	GN AVE 42.25 GN TOTAL 338	3.50 28	29.38 235	1.13 9			0.25 2	0.13 1	
				TOTAL ALL 1243	38	4900	34	0	0	2	1	
2) 5-10, 5-13 Browning, Principe	SN			SN AVE 0 SN TOTAL 0	0	0	0	0	0	0	0	
	GN	23	20	GN AVE 65.55 GN TOTAL 1508	24.40 561	151.60 3487	45.65 1050	0.35 8				
				TOTAL ALL 1508	561	3487	1050	8	0	0	0	
3) 5-11, 5-12 Browning Entrance	SN			SN AVE 0 SN TOTAL 0	0	0	0	0	0	0	0	
	GN			GN AVE 0 GN TOTAL 0	0	0	0	0	0	0	0	
				TOTAL ALL 0	0	0	0	0	0	0	0	
				SN AVERAGE 452.50	5.00	2332.50	12.50	0.00	0.00	0.00	0.00	
	SN	2	2	SN TOTAL 905	10	4665	25	0	0	0	0	
				GN AVERAGE 59.54	19.01	120.06	34.16	0.26	0.00	0.06	0.03	
	GN	31	28	GN TOTAL 1846	589	3722	1059	8	0	2	1	
TOTAL ALL AREA 5		33	30		2751	599	8387	1084	8	0	2	1

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h August 10 to 1800h August 11

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	137	47	GN AVE	110.02	3.09	322.23	4.53	0.36	0.13	0.64	0.17
				GN TOTAL	15073	423	44146	621	49	18	88	23
2) 4-12 Smith Is.	GN	55	19	GN AVE	90.05	2.74	162.89	4.32	0.16		0.32	0.21
				GN TOTAL	4953	151	8959	238	9	0	18	12
3) 4-4,4-9 Chatham Sd.	SN	6	6	SN AVE	133.33	3.33	945.83	5.83				
				SN TOTAL	800	20	5675	35	0	0	0	0
	GN	65	13	GN AVE	38.92	11.08	295.38	7.00	0.54	0.31	0.62	0.46
				GN TOTAL	2530	720	19200	455	35	20	40	30
				TOTAL ALL	3330	740	24875	490	35	20	40	30
4) 4-5,4-8,4-14 North Boundary	SN	1	1	SN AVE	400.00	4.00	800.00	10.00				
				SN TOTAL	400	4	800	10	0	0	0	0
	GN	44	11	GN AVE	63.09	2.00	111.73	9.00		0.09		
				GN TOTAL	2776	88	4916	396	0	0	4	0
				TOTAL ALL	3176	92	5716	406	0	0	4	0
5) 4-1, 4-2, 4-3, Outside Area	SN	8	8	SN AVE	497.00	70.50	3150.75	29.88	15.50			0.25
				SN TOTAL	3976	564	25206	239	124	0	0	2
	GN	3	0	GN AVE	63.09	2.00	111.73	9.00		0.09		
				GN TOTAL	189	6	335	27	0	0	0	0
				TOTAL ALL	4165	570	25541	266	124	0	0	2
				SN AVERAGE	345.07	39.20	2112.07	18.93	8.27	0.00	0.00	0.13
	SN	15	15	SN TOTAL	5176	588	31681	284	124	0	0	2
				GN AVERAGE	83.9	4.6	255.1	5.7	0.3	0.1	0.5	0.2
	GN	304	90	GN TOTAL	25521	1388	77555	1736	93	38	150	65
TOTAL ALL AREA 4		319	105		30697	1976	109236	2020	217	38	150	67
1) 5-1, 5-2, 5-3 Ogden Channel	SN	14	6	SN AVE	99.17	7.00	1294.17	12.33	0.17			
				SN TOTAL	1388	98	18118	173	2	0	0	0
	GN	8	4	GN AVE	14.50	0.25	39.25	1.25				
				GN TOTAL	116	2	314	10	0	0	0	0
				TOTAL ALL	1504	100	18432	183	2	0	0	0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	21	18	GN AVE	50.61	55.17	201.11	57.17				
				GN TOTAL	1063	1159	4223	1201	0	0	0	0
				TOTAL ALL	1063	1159	4223	1201	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
				SN AVERAGE	99.17	7.00	1294.17	12.33	0.17	0.00	0.00	0.00
	SN	14	6	SN TOTAL	1388	98	18118	173	2	0	0	0
				GN AVERAGE	40.65	40.02	156.46	41.74	0.00	0.00	0.00	0.00
	GN	29	22	GN TOTAL	1179	1161	4537	1211	0	0	0	0
TOTAL ALL AREA 5		43	28		2567	1259	22656	1383	2	0	0	0

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h August 16 to 1800h August 17

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part, 4-15 River/Gap/Slough	GN	126	47	GN AVE 176.68	3.96	434.60	7.30	0.34	0.02	0.81	0.34
				GN TOTAL 22262	499	54760	920	43	3	102	43
2) 4-12 Smith Is.	GN	51	23	GN AVE 205.04	5.30	239.91	5.57	0.09	0.04	1.09	0.87
				GN TOTAL 10457	270	12235	284	5	2	56	44
3) 4-4, 4-9 Chatham Sd.	SN			SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
	GN	29	15	GN AVE 110.20	11.60	244.80	2.60	0.13	0.20	0.40	0.47
				GN TOTAL 3196	336	7099	75	4	6	12	14
				TOTAL ALL 3196	336	7099	75	4	6	12	14
4) 4-5, 4-8, 4-14 North Boundary	SN			SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
	GN	26	19	GN AVE 77.00	5.77	167.73	17.11	0.55	1.09	0.27	0.27
				GN TOTAL 2002	150	4361	445	14	28	7	7
				TOTAL ALL 2002	150	4361	445	14	28	7	7
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
	GN	5	3	GN AVE 156.67	12.33	351.67	30.00			0.67	0.33
				GN TOTAL 783	62	1758	150	0	0	3	2
				TOTAL ALL 783	62	1758	150	0	0	3	2
				SN AVERAGE 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL 0	0	0	0	0	0	0	0
				GN AVERAGE 163.3	5.6	338.5	7.9	0.3	0.2	0.8	0.5
	GN	237	107	GN TOTAL 38700	1317	80214	1874	66	39	180	110
TOTAL ALL AREA 4		237	107		38700	1317	80214	1874	66	39	180
1) 5-1, 5-2, 5-3 Ogden Channel	SN	3	3	SN AVE 301.67	71.67	2200.00	160.00			2.00	3.00
				SN TOTAL 905	215	6600	480	0	0	6	9
	GN			GN AVE							
				GN TOTAL 0	0	0	0	0	0	0	0
				TOTAL ALL 905	215	6600	480	0	0	6	9
2) 5-10, 5-13 Browning, Principe	SN			SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
	GN	17	13	GN AVE 50.62	32.46	81.85	15.15			0.31	
				GN TOTAL 861	552	1391	258	0	0	5	0
				TOTAL ALL 861	552	1391	258	0	0	5	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE							
				SN TOTAL 0	0	0	0	0	0	0	0
	GN	3	2	GN AVE 25.50	14.00	69.00	10.00				
				GN TOTAL 77	42	207	30	0	0	0	0
				TOTAL ALL 77	42	207	30	0	0	0	0
				SN AVERAGE 301.67	71.67	2200.00	160.00	0.00	0.00	2.00	3.00
	SN	3	3	SN TOTAL 905	215	6600	480	0	0	6	9
				GN AVERAGE 46.85	29.69	79.92	14.38	0.00	0.00	0.26	0.00
	GN	20	15	GN TOTAL 937	594	1598	288	0	0	5	0
TOTAL ALL AREA 5		23	18		1842	809	8198	768	0	11	9

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h August 17 to 1800h August 18

	GEAR OPR	GEAR CHKD		SOCK	COHO	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R	
1) 4-12part,4-15 River/Gap/Slough	GN	126	32	GN AVE	148.75	6.38	457.50	9.34	0.19	0.03	0.72	0.66
				GN TOTAL	18743	804	57645	1177	24	4	91	83
2) 4-12 Smith Is.	GN	51	15	GN AVE	167.67	4.93	182.27	6.27	0.07	0.20	1.20	1.33
				GN TOTAL	8551	251	9296	320	4	10	61	68
3) 4-4,4-9 Chatham Sd.	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	29	6	GN AVE	74.83	16.67	380.83	15.17	0.33			0.83
				GN TOTAL	2170	483	11044	440	0	10	0	24
				TOTAL ALL	2170	483	11044	440	0	10	0	24
4) 4-5,4-8,4-14 North Boundary	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	26	10	GN AVE	68.00	10.50	380.00	5.00	0.60		0.60	
				GN TOTAL	1768	273	9880	130	16	0	16	0
				TOTAL ALL	1768	273	9880	130	16	0	16	0
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN	5	2	GN AVE	88.50	3.50	259.50	8.50			1.50	0.50
				GN TOTAL	443	18	1298	43	0	0	8	3
				TOTAL ALL	443	18	1298	43	0	0	8	3
				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				SN TOTAL	0	0	0	0	0	0	0	0
				GN AVERAGE	133.6	7.7	376.2	8.9	0.2	0.1	0.7	0.7
				GN TOTAL	31674	1829	89162	2109	43	24	175	178
TOTAL ALL AREA 4		237	65		31674	1829	89162	2109	43	24	175	178
1) 5-1, 5-2, 5-3 Ogden Channel	SN	7	4	SN AVE	55.75	28.25	1290.00	63.25	1.25			
				SN TOTAL	390	198	9030	443	9	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	390	198	9030	443	9	0	0	0
2) 5-10, 5-13 Browning, Principe	SN	3	2	SN AVE	90.00	55.00	820.00	52.50	1.50			1.50
				SN TOTAL	270	110	2460	158	5	0	0	5
	GN	10	10	GN AVE	37.30	14.50	39.20	10.70	0.20		0.60	0.60
				GN TOTAL	373	145	392	107	2	0	6	6
				TOTAL ALL	643	255	2852	265	7	0	6	11
3) 5-11, 5-12 Browning Entrance	SN			SN AVE								
				SN TOTAL	0	0	0	0	0	0	0	0
	GN			GN AVE								
				GN TOTAL	0	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0	0
				SN AVERAGE	66.03	30.78	1149.00	60.03	1.33	0.00	0.00	0.45
				SN TOTAL	660	308	11490	600	13	0	0	5
				GN AVERAGE	37.30	14.50	39.20	10.70	0.20	0.00	0.60	0.60
				GN TOTAL	373	145	392	107	2	0	6	6
TOTAL ALL AREA 5		20	16		1033	453	11882	707	15	0	6	11

AREA 4 AND 5 HAIL DATA

Fishing period: 1800h August 29 to 1800h August 30

	GEAR OPR	GEAR CHKD		SOCK	COHD	PINK	CHUM	CHIN	J. CH	STHD-K	STHD-R
1) 4-12part, 4-15 River/Gap/Slough	GN	42	24	GN AVE 16.33	11.71	15.58	7.42			1.08	0.29
				GN TOTAL 686	492	654	312	0	0	45	12
2) 4-12 Smith Is.	GN	66	7	GN AVE 25.86	3.14	13.86	6.00			0.43	1.86
				GN TOTAL 1707	207	915	396	0	0	28	123
3) 4-4, 4-9 Chatham Sd.	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN			GN AVE							
				GN TOTAL	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0
4) 4-5, 4-8, 4-14 North Boundary	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN			GN AVE							
				GN TOTAL	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0
5) 4-1, 4-2, 4-3, Outside Area	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN			GN AVE							
				GN TOTAL	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0
				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0
				GN AVERAGE	22.2	6.5	14.5	6.6	0.0	0.0	0.7
	GN	108	31	GN TOTAL	2393	699	1569	708	0	74	135
TOTAL ALL AREA 4		108	31		2393	699	1569	708	0	74	135
1) 5-1, 5-2, 5-3 Ogden Channel	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN			GN AVE							
				GN TOTAL	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0
2) 5-10, 5-13 Browning, Principe	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN			GN AVE							
				GN TOTAL	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0
3) 5-11, 5-12 Browning Entrance	SN			SN AVE							
				SN TOTAL	0	0	0	0	0	0	0
	GN			GN AVE							
				GN TOTAL	0	0	0	0	0	0	0
				TOTAL ALL	0	0	0	0	0	0	0
				SN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	SN	0	0	SN TOTAL	0	0	0	0	0	0	0
				GN AVERAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	GN	0	0	GN TOTAL	0	0	0	0	0	0	0
TOTAL ALL AREA 5		0	0		0	0	0	0	0	0	0

TSIMSHIAN TROLL TEST

The purpose of this report is to provide a summary of the results of the Tsimshian Troll Test conducted by the Department of Fisheries and Wildlife (DFO) in 1981. The test was designed to evaluate the effectiveness of various troll fishing techniques in the Tsimshian area. The test was conducted over a period of six weeks, from July 15 to August 15, 1981. The test area was located in the Tsimshian area, approximately 100 miles north of Vancouver, British Columbia. The test was conducted in two phases. The first phase was a preliminary test, which was conducted from July 15 to July 25, 1981. The second phase was the main test, which was conducted from July 26 to August 15, 1981. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area.

APPENDIX III

TSIMSHIAN TROLL TEST

RESULTS AND SUMMARY

The TTT was conducted in two phases. The first phase was a preliminary test, which was conducted from July 15 to July 25, 1981. The second phase was the main test, which was conducted from July 26 to August 15, 1981. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area.

The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area. The test was conducted in two areas, Area A and Area B. Area A was located in the Tsimshian area, and Area B was located in the Tsimshian area.

TSIMSHIAN TROLL TEST FISHERY

In the spring of 1992, the Tsimshian Tribal Council (TTC) approached the Department of Fisheries and Oceans (DFO) with a proposal to conduct a test fishery in Area 4. The purpose of this test fishery was to determine if gillnetters could successfully convert to trolling gear and catch sockeye and pink salmon selectively, while releasing all non-target species. DFO considered this a worthwhile test, and so an agreement between DFO and TTC was reached. This agreement laid out the rules on how the test fishery was to be conducted. Among the key points were that boats would not be allowed to participate in the gillnet fishery, but would in turn be guaranteed their average annual catch for the five weeks of the program, plus a bonus of 250 sockeye for participating. If these boats could not catch their payment fish, then DFO would allow seines to catch it for them, and would further allow the resource to pay for five of these seine fishing days, at 1250 pounds of sockeye per day.

The troll test proceeded from July 16 to July 28. It quickly became apparent that the gillnetters could not catch sockeye using troll gear. The total catch by July 28 was about 30 fish.

To begin working on the payment fish, one seine went out on July 17, and then 11 seines fished on July 24, with most fishing again on July 25. Catches by these seines were disappointingly low.

The TTC then met with DFO and came to an agreement to allow the participating vessels to gillnet during the closed time between commercial openings so they could obtain their guaranteed payment. The fourteen vessels remaining in the program went gillnetting on July 29 after the commercial fishery closed.

After fishing the closed time, the vessels entered the open commercial fishery. At that time they had been excluded from 8 days of commercial gillnetting, but had fished 2.5 days of a closed time. Another meeting was held between the TTC and DFO. At that time, it was agreed that the program had provided what we wanted to know, there was a problem catching payment fish, and it would be beneficial to all parties if the TTC could negotiate with participants to terminate the program. With this early termination of the test fishery, the payment would be based on the historical catch of the first three weeks only. As an additional benefit to the fishermen, since they could not continue for the five weeks as planned, the bonus was upped to 350 sockeye.

On August 12 another meeting was held between TTC and DFO. As a result of this meeting, the troll test fishery was changed again. The guarantee of the historical five weeks catch was reinstated, with a bonus of 350 sockeye for participation. DFO agreed to use the resource to pay for all the seine days that had been incurred by the TTC, which were 20 days, at the rate of 1500 pounds per day. Gillnet vessels could fish during the up-coming closed time, as well as during open times, with all the catch counting towards their payment fish.

The troll test fishermen started fishing at approximately 1800h on August 12. The commercial fishery opened at 1800h August 16, so there were four days that the test fishermen could have fished during the closed time.

Thus, by the ending date of August 19, test fishermen had been able to gillnet during 6.5 days of a closed time, and had been excluded from 8 days of commercial openings. Twenty seine days had been used to try to make up the shortfall in guaranteed catch. In mid-October, the TTC supplied DFO with final catch figures of all vessels that participated. The table (attached) shows how these vessels did.

TSIMSHIAN TROLL TEST FISHERY

GILLNET FISHERY:

HISTORICAL CATCH	SOCKEYE EQUIVALENTS	+ 350 SOCKEYE	ACTUAL CATCH (LBS)	SOCKEYE EQUIVALENTS
2060.00	412	512	1990.00	398
6409.32	1282	1632	5835.16	1167
6584.28	1317	1667	11158.65	2232
6769.64	1354	1704	6937.15	1387
7018.49	1404	1754	7348.96	1470
7375.06	1475	1825	12214.34	2443
7588.20	1518	1868	5088.29	1018
7862.14	1572	1922	10899.90	2180
7971.50	1594	1944	7347.62	1470
9343.43	1869	2219	10349.93	2070
11081.00	2216	2566	7943.17	1589
11171.48	2234	2584	8965.26	1793
13212.40	2642	2992	15598.22	3120
15630.30	3126	3476	7910.18	1582
27639.30	5528	5878	14660.19	2932
147717	29543	34543	134247	26849

Historical catch is average catch of all species during the five weeks of the test over the years 1986 to 1990 converted to pound equivalents.

First fisherman on list participated for one week, and calculation uses his first week's historical catch only. Bonus on the one week was 100 sockeye.

Second fisherman fished three weeks and calculation uses his first three weeks historical catch.

TOTAL CATCH BY GILLNET VESSELS:	26849
CATCH NEEDED TO FULFIL OBLIGATION:	34543
SOCKEYE NEEDED:	7694

SEINE FISHERY:

	SOCKEYE (LBS)	PINK (LBS)	SOCKEYE EQUIVALENTS
JULY 17	2419	438	497
JULY 24	2885	2059	638
JULY 24	4515	3272	1001
JULY 24/25	3423	2451	758
JULY 24/25	8404	6406	1872
JULY 24/25	14412	7461	3105
JULY 24/25	6081	4608	1354
JULY 24/25	3218	2074	706
JULY 24/25	2778	3224	652
JULY 24	4600	5639	1088
JULY 24/25	7709	7149	1755
JULY 24/25	2668	1687	584
TOTAL	63112	46468	14010

TOTAL SEINE PAYMENT IN SOCKEYE:	6000
TOTAL AVAILABLE FOR TROLL PROGRAM:	8010
SOCKEYE NEEDED FOR TROLL PROGRAM:	7694
PROGRAM OVERAGE:	316

TOTAL PROGRAM IN POUNDS:

	SK	CO	PK	CM	CK
GILLNET	117446	3485	68789	80870	685
SEINE	63112		46468		
TOTAL	180558	3485	115257	80870	685
ESTIMATED FISH	36112	697	38419	13478	86
ESTIMATION BASED ON:	SK - 5LBS	CO - 5 LBS	PK - 3 LBS	CM - 6 LBS	CK - 8 LBS

TROLL TEST:

Steelhead, and all five species of Pacific Salmon spawn in the Skeena River Watershed. These salmonids have many discrete stocks which travel to the various tributaries. The commercial fishery intercepts these stocks non-selectively, and as a result, some of the stocks and species have been diminished. At the same time, the enhanced stocks of the Skeena often have large overescapements in the order of 200,000-500,000 fish, and in one year the overescapement exceeded one million fish.

The Tsimshian Troll test fishery was designed to determine whether Skeena River Sockeye could be caught selectively using troll gear, in a manner similar to the sockeye troll fishery for Fraser River stocks. The fishery, if it was successful, would permit the conversion of Tsimshian gillnetters (which are not selective) to troll gear. In addition to greater selectivity, the troll caught fish provides a greater price per pound to the fishermen. If this fishery proved successful, it would have greatly reduced the catch of Skeena chum, coho, chinook, and steelhead, while increasing the catch of sockeye and pinks; it would have also provided a more secure future for the Tsimshian fishermen who presently gillnet.

The original agreement with DFO was that 24 Tsimshian gillnetter or combination boats would troll for six weeks, targeting on Sockeye and Pink and releasing all other species. The vessels were initially allocated a guaranteed catch which was based on their average catch from 1986-1990, plus 250 sockeye equivalents. An additional bonus of 750 sockeye were available for the fishermen if they were able to catch these by troll. Shortfalls in the guarantees were to be made up with commercial seine vessels, for which DFO would allow five seine days to be paid out of the resource.

Fifteen combination gillnetter/trollers eventually participated in the Tsimshian Troll Test Fishery from July 16 to August 19. The bycatch of this fishery, chum, coho, chinook, and steelhead were frequently tagged before they were released. While numerous techniques and

gear combinations were tested, the sockeye could not be induced to bite in numbers which would support a commercial fishery.

Seine vessels were successful in catching a substantial proportion of the shortfall, but the expenses required to reimburse the seine vessels were prohibitive. After further negotiation with DFO, the limitation of five seine days was removed, and the fishermen were permitted to use gillnets during commercial fisheries and during two special openings.

The Fishermen involved with this fishery worked hard to achieve its success, and, in light of the frequent changes to their requirements, their final bonus was increased to 350 Sockeye.

Tsimshian Troll Test Fishery: Seine Catch				
Date	Vessel	Catch(lbs)		Payment (lbs)
		Sockeye	Pink	Sockeye
July 17	Calvada	2419	438	1500
July 24	Lady Cheryl	8404	6406	3000
July 24	Westerner II	2668	1687	3000
July 24	Alexis-Jane	4515	3272	3000
July 24	Active Pass	2885	2059	1500
July 24	Northern Monarch	6081	4608	3000
July 24	Twinkle	2778	3224	3000
July 24	Northern Cloud	14412	7461	3000
July 24	Western Sunset	4409	7149	3000
July 24	Western Bounty	4600	5639	3000
July 24	Cape Freeman	3423	2451	3000
July 24	Predator	3218	2074	3000
Total		59,812	46,468	33,000

Tsimshian Troll Test: Gillnet and Troll Catch:					
-----Catch (lbs)-----					
Fisherman	Chinook	Chum	Coho	Pink	Sockeye
Billy Clifton	95	394	160	9257	9248
Wallace Miller	0	566	246	3262	4309
Stephen Ryan	32	305	203	5632	11166
C. Nelson	20	2902	471	6074	8224
R. Leighton	40	1827	140	4254	9794
Frank Wesley	0	463	415	3177	6144
Clyde Ridley	110	1444	419	3778	6596
Lloyd Etzerza	0	438	204	4915	6384
Randy Dudoward	46	368	169	4277	13794
Harvey Ridley	38	1551	401	3782	7673
Heber Clifton	224	538	192	11120	13509
Stan Dennis	0	645	206	4664	6346
Barry Helin	0	0	0	0	1990
John Helin	0	186	100	857	5604
Russell Mather	13	454	159	3740	7155
Total (lbs)	618	12081	3485	68789	117936

WATER RESOURCES COMMISSION

WATER RESOURCES REPORT

This report presents the data presented in the
staff with the results of individual interviews on the
control and management of the water resources in the
region. The data is presented in the form of a
summary of the water resources in the region and
the results of the interviews.

INTRODUCTION

In the spring of 1971, an agreement was reached
between the Department of Planning and Economic
Development, the Department of Water Resources
and the Department of the Environment and
Natural Resources to conduct a study of the
water resources in the region. The study was
conducted by the Department of Water Resources
and the Department of the Environment and
Natural Resources.

APPENDIX IV

HOMELAND FISHERY SUMMARY

The purpose of this report is to provide a
summary of the fishery resources in the
region. The report is based on the data
collected during the study. The data is
presented in the form of a summary of the
fishery resources in the region and the
results of the interviews.

The report reviews the fishery and related
resources in the region. The report is
based on the data collected during the
study. The data is presented in the form
of a summary of the fishery resources in
the region and the results of the
interviews.

The intention is to provide a summary of the
fishery resources in the region. The report
is based on the data collected during the
study. The data is presented in the form
of a summary of the fishery resources in
the region and the results of the
interviews.

SKEENA FISHERIES COMMISSION

HOMELAND FISHERY REVIEW

This joint report represents the interpretation of DFO staff with the benefit of individual discussions on the content and recommendations with the participating native groups; reports by the Nat'oot'en and Gitksan Wet'suwet'en (GW) and Tsimshian used in preparation are appended.

INTRODUCTION

In the spring of 1992, an agreement (Subagreement #1) was signed between the Department of Fisheries and Oceans (DFO) and the SFC (Tsimshian, Gitksan-Wet'suwet'en and Gitanyow, and Nat'oot'en) entitling them to selectively harvest up to 150,000 sockeye and 150,000 pink salmon from the Skeena River. The new native harvest was to be taken during time periods that minimized the impact on wild stocks and was not to impact the existing commercial fishery. It was supported by Contribution Agreements 92/93 CA-013, -006 and -001, whose terms were the activities related to the Subagreement #1, in particular: conservation, management and protection; harvesting, monitoring and enforcement; and community consultation and negotiation as set out in the Management Plan (Attachment A to Subagreement #1). Within the Skeena Fisheries Commission, funding for activities was distributed to the Gitksan-Wet'suwet'en and Gitanyow, Nat'oot'en and Tsimshian for comanagement and harvesting programs.

This report reviews the homeland fishery and related programs undertaken by the member groups of the Skeena Fish Commission. The fisheries are reviewed with respect to catch, monitoring and enforcement; other projects including test fisheries are also described. Successes are noted and suggestions made for improvement where necessary.

The intention is to provide joint reports of the Homeland Fisheries and management activities. Unfortunately scheduling conflicts have limited participation in the meetings arranged through the Skeena Fisheries Commission since the October 19 SFC meeting in Terrace attended by DFO, Gitksan-Wet'suwet'en and the Terrace area Tsimshian representatives. At this session it was agreed that participants in the Skeena Homeland fisheries program would by November 1 provide detailed written reports to the SFC through Alex

Bolton and these reports would be reviewed at the SFC technical meeting scheduled for November 13. We scheduled, through the SFC, an additional technical session on November 6. The native representatives were not able to attend either of these sessions. By this date reports from the Nat'oot'en, Gitksan Wet'suwet'en and Tsimshian have been received; these are appended and referred to within the report. The report has been circulated to the member groups of the Skeena Fish Commission and comments received and incorporated.

HOMELAND FISHERIES

Inseason Process

The fishery was managed inseason through a joint 'technical' committee that met or had a conference call weekly. The process was valuable to improve general understanding and communication. Good progress was made at initiating a joint understanding of the stock timing and a rough draft of a management model was introduced. The situation was difficult in 1992 since the use of new gear and late start of the Gitksan-Wet'suwet'en and Tsimshian homeland fisheries resulted in low catches by the dates agreed to pre-season or the use harvest methods outside of the agreement (seines in the commercial fishing zone).

RECOMMENDATIONS

- 1) Policy and technical roles should be defined within the process and political issues separated from the technical committee where possible.
- 2) A clearer set of joint management guidelines should be part of the basic signed agreement. This would include: the conditions and actions required if run sizes are different than expected, and guidelines for the allowable gear, time and location of the homeland fisheries with conditions for any alterations to this agreement.
- 3) Clarification on the role of the technical committee in developing standards for catch monitoring and reporting and for the technical aspects of related programs, such as the tagging.
- 4) A process to adjudicate unresolved issues is required.
- 5) Specific contact persons should be identified from DFO and the native organizations who are accountable for information transfer, communication and decision making inseason.

- 6) A major review of the objectives and methodologies of the tagging program is required. (This process has been initiated at the SFC technical meeting November 17 and 18.)
- 7) A defined catch monitoring and reporting program is required for next season. The 1992 programs conducted by the Nisga'a and Stohlo Tribal groups would serve as a useful guideline as to what is required.

TSIMSHIAN FISHERY

By prior agreement within the SFC, the Tsimshian Tribal Council (TTC) had a suballocation of 50,000 sockeye and 50,000 pink salmon. On July 17, 1992, the TTC received an Excess Salmon to Spawning Requirement Licence. This licence allowed the commercial harvest of sockeye and pink using beach seine, commercial seine, and fish wheel, from the estuary of the Skeena River upstream to the Kitselas Canyon, with the sockeye fishery closing at midnight on July 31, 1992, unless otherwise agreed to by the Joint Technical Committee.

The TTC had difficulty catching fish using the methods allowed. A fishwheel constructed at Kitselas required more time than anticipated to develop, and did not harvest any fish for commercial sale. Beach seining was more productive but site selection required more time than expected.

Harvest for sale in this fishery began July 27 with the first delivery from the beach seine operation. Near the closing date of July 31, the Joint Technical Committee authorized an extension of the sockeye fishery to August 7, 1992. On July 31, and again on August 1, commercial seine vessels fished the Skeena estuary as part of the homeland fishery. On August 5, another extension to August 10 for the in-river fishery was granted by the Joint Technical Committee. The fishery was closed by DFO August 7 based on information that Tsimshian participants in the homeland fishery were sanctioned by the TTC to include gillnet caught salmon. The Tsimshian view is that the gillnet fishery was a pilot to test if gillnets can be used to selectively harvest sockeye and the closure was not appropriate. Recommendations are made in section 1, above, to address the definitions of tasks of this committee.

The Tsimshian fisheries caught 7,000 (2,500 beach seine and 4,500 seine boat) sockeye and 22,000 (seine boat) pink salmon out of the target of 50,000 of each species.

Catch Monitoring and Reporting

The TTC provided daily catch totals after the season, for the beach seine and commercial seine deliveries. Information supplied

3 Pilot Fishery Report

inseason was basically rough totals to date. Our understanding is there is a joint interest within DFO and the TTC in developing an appropriate program design and reporting structure to capture catch information inseason.

RECOMMENDATIONS

In addition to the recommendations outlined under the joint technical committee we suggest:

- 1) Clarification of policy related to the commercial seine homeland fishery in the estuary is required in the next agreement.

GITKSAN-WET'SUWET'EN

The Gitksan-Wet'suwet'en had a suballocation of 50,000 sockeye and 100,000 pink salmon to be captured with selective gear. Late timing and use of new gear precluded successful tests of traps in capturing salmon, and sockeye effort was switched to beach seines late in the season. These moved progressively up the river. The fishery was extended an additional week past the date in the preseason plan. 10,000 of the target of 50,000 sockeye were harvested. The Moricetown pink fishery was more productive and 70,000 of the target of 100,000 pink were harvested. Detailed reports are being prepared by the Gitksan Wet'suwet'en.

RECOMMENDATIONS:

There are no recommendations in addition to those outlined under the joint technical committee and that made under catch reporting and monitoring in the Tsimshian Fishery section; that is that a need for improvements on catch reporting is jointly recognized.

Nat'ooot'en

The adult sockeye harvest of 50,000 was taken at the Babine fence in a well organized orderly fishery. 50 People were employed over an 11 day period. Proceeds from the fishery are being used to augment the comanagement program. The accounting and delivery processes were transparent and communication with DFO was good. There are no reports of fish sale outside of the homeland fishery agreement.

RECOMMENDATIONS:

There are no recommendations other than those outlined under the joint technical committee.

- 1) Continued cooperation and planning are required to implement

the 1993 Babine Fence smolt and adult counting programs and iron out some problems with the 1992 arrangements.

The Resource

The Skeena sockeye run was very strong in 1992 and the sockeye escapement was 1.3 million with good escapements to both Pinkut and Fulton enhancement facilities. The commercial catch in area 4 was greater than expected and the homeland fisheries had no effect on commercial harvest.

The Skeena pink run was below expectations, with the escapement near the minimum target of 1,000,000, but below the high levels of recent years.

ENFORCEMENT REPORT SKEENA RIVER 1992

BABINE LAKE

No enforcement problems were encountered at the Babine Fence fishery carried out by the Nat'oot'en.

UPPER SKEENA

Information received by NCD District 8 made it apparent that there were problems in the upper Skeena with regards to the harvesting and sale of salmon not sanctioned in "Subagreement #1" between DFO and SFC. In early August DFO began a monitoring and enforcement program to identify the problems and attempt to curtail the illegal activities.

An "Enforcement Protocol Agreement" was developed between DFO and the Gitksan and Wet'suwet'en Watershed Authorities (GWWA). Under this agreement DFO brought the illegal sale of fish problems to the attention of the GWWA at weekly enforcement meetings. The GWWA worked through their Hereditary Chiefs and Houses to bring these problems under control. A "Guardian Agreement" was in place which recognized the role of the GWWA Rangers in monitoring the fishery.

MORICETOWN

Visual observations made at Moricetown revealed problems with the numerous small sales of sockeye, pink, springs and steelhead, as well as sockeye being delivered to totes early in the pink fishery.

When the problems were brought to the Joint Enforcement meetings, GWWA and the Hereditary Chiefs were able to stop the illegal fish

sales at Moricetown by the end of the first week in August. Investigations into the sale of sockeye at Moricetown continue.

GITSEGUKLA

Information received indicated that Hereditary Chiefs in the Gitsegukla area had signed a document titled the Simgake Fisheries Agreement. This document purported to allow fishers to sell their catch. The agreement was not sanctioned by DFO or by the Gitksan-Wet'suwet'en representatives on the SFC. The GWWA was advised of this problem at weekly enforcement meetings as outlined in the Enforcement Protocol Agreement. DFO set up air surveillance and boat patrols to estimate effort on the Skeena. It was discovered that there were 2 individuals buying gillnet caught salmon on the Gitsegukla Reserve (estimated at 35,000 pieces). Charges have been laid before the court November 10 (24 counts) against one individual, and charges are pending against a processing company. Investigations are continuing. It is estimated that 90,000 pieces were sold in total.

Continued investigations on the Skeena River point to other possible violations. These leads will continue to be investigated.

LOWER SKEENA

HOMELAND FISHERY

After determining that gillnets were being used in the lower river homeland fishery, the fishery was closed as scheduled rather than extended. There is disagreement between DFO and the TTC as to the process. Some gillnet fish were seized; this matter is under review.

FOOD FISHERY

After closure of the Tsimshian Homeland Fishery, the TTC changed food fishery opening times to include those periods immediately prior to and after commercial openings. The food fishery had previously been closed during these periods to prevent the transfer of fish between the food and commercial fisheries.

RECOMMENDATIONS:

A program to improve communications between the native fishing groups and other users should be developed.

The Guardian Agreements and/or Joint Enforcement Committees should be extended to the Tsimshian and Nat'oot'en where possible.

Further development of the Joint Enforcement Agreement(s) is

required.

NOTE DE SERVICE

MEMORANDUM

1000 1000

1992 AREA 3 and 4

APPENDIX V

1992 AREA 3 and 4

SPORT CREEL RESULTS

The data presented in this appendix were collected from creel reports submitted by anglers fishing in Area 3 and Area 4 during the 1992 season. The data are presented in the following tables. The data are presented in the following tables. The data are presented in the following tables.

Based on limited data, the creel data for Area 3 and Area 4 are as follows:

Area	Species	Number	Weight (lb)
Area 3	Salmon	12	120
	Trout	15	150
	Steelhead	10	100
	Brook Trout	8	80
	Arctic Char	5	50
Area 4	Salmon	18	180
	Trout	20	200
	Steelhead	15	150
	Brook Trout	12	120
	Arctic Char	10	100

In addition to the creel data, I found that all of the anglers fishing in Area 3 and Area 4 were using the same type of gear. The gear used was as follows:



To
À
 Jim Steward
 Shane Neifer
From
De

Steve Cox-Rogers

Security Classification - Classification de sécurité

Our File - Notre référence

Your File - Votre référence

Date
December 18/92Subject
Objet
 Re: 1992 Area 3 and 4 sport creel results

The pilot creel survey implemented in Areas 3 and 4 in 1992 was of mixed success. You'll recall that the design consisted of a non-charter "roving" survey conducted by DFO fishery officers, and a charter logbook survey conducted on a voluntary basis. On the non-charter side, logistic constraints and manpower shortages precluded the collection of any really useful data except for Area 3 during the months of May and June. On the charter side, I received back eight of the 25 logbook packages initially distributed.

Based on limited data, the charter catch breakdown for Area 3 and 4 is as follows:

Charter	Area	Chinook Kept	Coho Kept
Eagle Point	3	29	18
Banksland	3	206	22
Dolphins	3	391	65
Artic Fox	3	66	7
Driftwood	3	119	320
Seatex	3/4	149	156
Thunder	3/4	192	204
	total	1152	792
	mean	165	113

In talking with the skippers, I found that all of the above charters fished Area 4 as well as Area 3. Dan Wakeman feels that 20 to 25 charter operators were working Area 3/4 in 1992. Using the

above averages, this would translate into an approximate catch of 3300-4125 chinook and 2260-2825 coho for the Area 3/4 charter fleet. The breakout by area is not clear. Dan felt that 1/3 of the charter fleet was working Area 3 and outer Area 4 in 1992. I leave it up to you on how to split out the charter catch by area.

Catch estimates for the May-June Area 3 non-charter survey totalled 127 chinook. No estimate is available for the July-September Area 3 non-charter fishery, nor the May-September Area 4 non-charter fishery. This is unfortunate, as catch rates for the non-charter fleet were known to be quite good later in the season. I suspect the non-charter catch in Areas 3 and 4 was easily 2/3 or more of the charter catch, but I have no way of confirming this.

RMS catch numbers? It is my view that we should not report sport catch numbers unless they can be supported by technically adequate evidence. I leave it at that.

As a post-mortem conclusion, the Area 3/4 creel survey for 1992 was disappointing. For 1993, we need to get the charter fleet more fully involved in catch reporting, and we need to better address data collection for the non-charter component. Back to the drawing board.

Steve Cox-Rogers

cc. Elmer Fast
Dave Peacock
Barb Snyder

To: Mr. [Name]
Department of Fish and Game
1000 [Address]
Washington, D.C. 20540
Date: August 1, 1953

Enclosed for you are 10 copies of the report on the sportfish fishery in the Ecstall River, Class A - River. The report is a summary of the sportfish fishery in the Ecstall River, Class A - River, and is intended for your information and use.

APPENDIX VI
ECSTALL RIVER SPORTFISH
SUMMARY AND REPORT

Summary of sportfish fishery in the Ecstall River, Class A - River. The report is a summary of the sportfish fishery in the Ecstall River, Class A - River, and is intended for your information and use.

ECSTALL RIVER 1992 - RIVER GUARDIAN REPORT

To: Mr. Shane Niefer
Department of Fisheries and Oceans

From: Mike Murphy
536 6th Avenue East, Prince Rupert, B.C. 627-7578

Date: August 27th, 1992

TIME PERIOD: JULY 13TH TO AUGUST 26TH, 1992 (TOTAL DAYS: 45)

Species sought by sports fishermen: 1 - Chinook

Other species in river system at the same time: Chum, sockeye and pink

Ecstall River sportsfishing profile: Class 2 - River

July 13th to July 31st: Sports fishing harvest of chinook

August 1st to August 26th: Sports fishing catch and release chinook

Primary areas of sports fishermen use: From the area commonly known as Johnson Pool, down to Trappers Cabin, approximately 4 km of fishing area. Fishermen commonly fish from boats. Float fishing with roe.

Primary user groups:

- #1 - Guide traffic (non-Canadian guided)
- #2 - Local Prince Rupert sports fishermen (non-guided)
- #3 - Terrace sports fisherman (non-guided)

Chinook salmon's peak run: July 18th to August 17th (estimated)

Chum in system in large numbers: As of August 16th

Pink in system in large numbers: As of August 18th

* Note: There are seals in this river system all the time, however this year there aren't as many as in past years.

Chinook average size: 28 - 32 lbs. All sizes from Jacks to 65 lbs caught.

Amount of chinook hooked by sports fishermen this season on the Ecstall River: Catch and release = 9 per day, and hooked and lost = 18 per day

* Note: These numbers include all user groups on river between July 13th to August 26th, 1992.

 ECSTALL RIVER 1992 - GUIDE TRAFFIC & INFORMATION CHINOOK SEASON

In 1992, only one guide operation was active on the Ecstall River.

Komahan Lodge of Terrace, British Columbia
 Owners: Harrold and Norbert Kossler
 Time Period: July 25th to August 20th, 1992

Estimated total clients: 26
 Estimated total rod days: 108
 Client profile: Male, German and Dutch
 Average stay: 4 - 5 days per client

Location of guide camp: Situated across river from Fisheries' cabin and up stream approximately 120 metres.

Description: Camp consists of 2 - main "tent camp" type enclosures; 1 - for cooking and eating and 1 - for sleeping.

Boats used: 1 - 14' red rubber Norvinia with 50 hp. Mercury o.b./jet, 1 - 14' "Duck Punt" type skiff with 40 hp. Yamaha o.b./jet, and 1 - 19' welded aluminum river boat with windshield and blue canopy top with 140 hp. Suzuki o.b./jet with 9.9 kicker.

Guides: #1 - owner, Harrold Kossler, #2 - owner, Norbert Kossler, and #3 - assistant guide, Bruce Hill

*Note: The Kossler camp is very cooperative and operates professionally, with emphasis on catch and release. When outfit pulled out, the camp area was left in the same condition as it was prior to their arrival.

Additional information: Trout fishing trips were taken to Muddy Creek and Muddy Lake. Basically, they were on walking tours, or sight-seeing and trout fishing. Also, two clients walked Johnson Creek to Johnson Lake for trout fishing.

Total amount of fish killed that I know of: 15 Chinook
 Prince Rupert residents: 1 kill; Terrace residents: 8 kill;
 Guide operation: 6 kill.

Weather notes: Generally a dry season. There were 40 days of high overcast/sunshine, and 5 days of drizzle/rain. The maximum temperature was +32C.

Water levels: Generally low and water was quite clear.

*Note: Very hot and dry weather in the latter stages of the contract and water levels dropped steadily until the rains came on August 25th.

ECSTALL RIVER 1992 - GENERAL NOTES

July 26th, 1992, between 1:00pm - 4:00pm, I witnessed 1 aluminum bow picker punt gillnetting in the main river Skeena, from just below Windsor Creek to the power line crossing. I witnessed 2 beach line sets and 1 free drift set. People on board: 1 native male (approximately 40 years old) and 2 or 3 white males (middle aged). One male was in a red exposure suit.

While I was watching this all happen, "Vic", the boss of the power line crew showed up. He said that the native male works for them, and that they are out gillnetting with a couple of his guys for sockeye.

I waited until the group came to shore and casually asked one of the white males, "How did you guys do?". He replied, "Not bad, about 40 fish".

~~*Note: The had an 89,90,91 license decals on skiff consol. Vessel description: 20' - 24' aluminum punt with bow rollers a pickup canopy on board for a sleep area, and a 65 hp. commercial Johnson o.b. and gillnet on board.~~

On August 10th, 1992, I took a walk up Johnson Creek to see if any chinook were in this creek system. No chinooks were seen in system.

I saw 1 school of sockeye (approximately 90-110 silver bright), and caught and released cut-throat and rainbow trouts (12" - 14" long).

I hiked right up to the lake, and found 1 small aluminum skiff at the top of the trail. The walk was approximately 1 hour in, and 1 hour out.

ECSTALL RIVER 1992 - RECOMMENDATIONS FOR 1993 & FUTURE

1. That D.F.O. extend the guardian contract to cover July 15th to August 26th, to supply adequate D.F.O. coverage for the system while guiding operations are underway.

2. That the Ecstall River, from the top of the second set of rapids and above, be closed for angling all year.

Reason: D.F.O. cannot sufficiently patrol above river, using existing mode of transportation ie. jet boat. The first set of rapids has become very difficult to travel. Plus, I believe there should be a point past the Ecstall where fish can be assured of no harassment.

3. That no angling be permitted in Johnson Creek from mouth to lake.

Reason: Creek is so small that angling pressure, even from one or two people could really disturb and harass spawning and pre-spawning stocks.

4. That the Province limit the amount of rod days any one guide may possess to avoid monopoly situations. In addition, any guide having in their possession in excess of 50 rod days, may not be able to use another guide's rod days. For example, where one guide act as an assistant guide to another, to supplement his/her own total rod day allocation.

5. That D.F.O. and M.O.E. keep D.F.O. guardians informed of all existing and related updated information on laws and regulations for the guiding and sport fishing industries.

Sponsoring the D.F.O. guardians to attend guide association, steelhead society, sport fish advisory meetings, etc. throughout the winter months within the region, would be an asset.

6. That D.F.O. guardians on the Ecstall and Kwininass Rivers be equipped by D.F.O. with a fail proof method of communication to Prince Rupert, in case of accident or incident.

7. That D.F.O. install a metal roof on cabin, as the existing roof is starting to show signs of deterioration.

THANK YOU.

Mike Murphy
Mike Murphy,
D.F.O. Guardian

TABLE 9. SKEENA RIVER ESCAPEMENTS

Station	Date	Time	Temp	Direction	Remarks
100	10/10	10:00	10.0	SE	...
101	10/10	10:30	10.5	SE	...
102	10/10	11:00	11.0	SE	...
103	10/10	11:30	11.5	SE	...
104	10/10	12:00	12.0	SE	...
105	10/10	12:30	12.5	SE	...
106	10/10	13:00	13.0	SE	...
107	10/10	13:30	13.5	SE	...
108	10/10	14:00	14.0	SE	...
109	10/10	14:30	14.5	SE	...
110	10/10	15:00	15.0	SE	...
111	10/10	15:30	15.5	SE	...
112	10/10	16:00	16.0	SE	...
113	10/10	16:30	16.5	SE	...
114	10/10	17:00	17.0	SE	...
115	10/10	17:30	17.5	SE	...
116	10/10	18:00	18.0	SE	...
117	10/10	18:30	18.5	SE	...
118	10/10	19:00	19.0	SE	...
119	10/10	19:30	19.5	SE	...
120	10/10	20:00	20.0	SE	...

APPENDIX VII

SKEENA RIVER ESCAPEMENTS

Station	Date	Time	Temp	Direction	Remarks
121	10/10	20:30	20.5	SE	...
122	10/10	21:00	21.0	SE	...
123	10/10	21:30	21.5	SE	...
124	10/10	22:00	22.0	SE	...
125	10/10	22:30	22.5	SE	...
126	10/10	23:00	23.0	SE	...
127	10/10	23:30	23.5	SE	...
128	10/10	24:00	24.0	SE	...
129	10/10	24:30	24.5	SE	...
130	10/10	25:00	25.0	SE	...
131	10/10	25:30	25.5	SE	...
132	10/10	26:00	26.0	SE	...
133	10/10	26:30	26.5	SE	...
134	10/10	27:00	27.0	SE	...
135	10/10	27:30	27.5	SE	...
136	10/10	28:00	28.0	SE	...
137	10/10	28:30	28.5	SE	...
138	10/10	29:00	29.0	SE	...
139	10/10	29:30	29.5	SE	...
140	10/10	30:00	30.0	SE	...

COASTAL SUB-AREA ESCAPEMENTS
Area 4 and Waterfront Sub-districts

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Big Falls Creek			N.I.		
Big Useless Creek		N.I.	2100		
Chismore Creek			250		
Denise Creek			3	1	
Diana Creek	2500	400	N.O.		
Ecstall River	UNK	PRES	7000	2500	750
Hays Creek	N.O.	50	N.O.		
Hayward Creek		UNK	PRES		
Humpback Creek		UNK	2500		
Hunts Creek		UNK	UNK		
Johnston Creek		N.I.	N.I.	N.I.	N.I.
Johnston Lake	PRES	N.I.		UNK	UNK
Khyex River		200	6000	2	2
Kloiya River		200	10		250
La Hou Creek		PRES	1500		
Little Useless Creek			600		
Lockerby Creek		N.I.	N.I.	N.I.	
McNeil River		N.I.	N.I.	N.I.	N.I.
McNichol Creek			2000		
Madeline Creek		N.I.	N.I.	N.I.	
Moore Cove Creek		UNK	10000		
Muddy Creek			N.I.		
Oldfield Creek			100	10	
Oona River		PRES	5000		
Prudhomme Creek	2000	10			
Shawatlan Creek	2500	250			
Silver Creek			1000		
Sparkling Creek			N.I.	N.I.	
Spiller River		N.I.	UNK		
TOTAL:	7000	1110	38063	2513	1002

LAKELSE SUB-AREA ESCAPEMENTS
Terrace Sub-district

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Andalas Creek					
Blackwater Creek	40	30			
Clearwater Creek		150			
Coldwater Creek		200	50		20
Granite Creek		N.I.			
Hatchery Creek		8			
Herman Creek		30			
Hotspring Slough		N.I.			
Lakelse River		10000	81000	25	126
Mink Creek		N.I.			
North Hatchery Creek	100				
Schulbuckhand Creek	1200	100	100		
Sockeye Creek	150	300			
White Creek		20	20		
Williams Creek	3400	500			
TOTAL:	4890	11338	81170	25	146

KITSUMKALUM SUB-AREA ESCAPEMENTS
Terrace Sub-district

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Cedar River	400				600
Clear Creek	50	0			150
Deep Creek		50	60	15	3
Dry Creek		20			
Glacier Creek					
Goat Creek					
Hadenshild Creek					37
Kitsumkalum Lake	4000				
Kitsumkalum River(Lower)		1000	400	500	14000
Kitsumkalum River(Upper)		350			
Lean-to Creek		10			
Spring Creek		30			
Star Creek					
TOTAL:	4450	1460	460	515	14790

OTHER LOWER SKEENA SUB-AREA ESCAPEMENTS
Terrace Sub-district

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Alastair Lake	2000				
Alwyn Creek					
Andeside Creek			30	15	
Anweiter Creek		40			67
Dog-Tag Creek		350	30	400	
Erlandsen Creek			50	5	15
Esker Slough		15			
Exchamsiks River		2500			90
Exstew River		2000		100	43
Exstew Slough		0			
Gitnadoix River		1000	6500	375	50
Kadeen Creek		400			20
Kasiks River		4000	800	20	148
Kwinitsa River					
Limonite Creek					200
Magar Creek		500			130
Middle Creek			60	12	
Molybdenum Creek		10	25		
Mountain Creek		3			
North Granite Creek		8			
Scotia River			300		
Shames River				25	
Shames Slough			200		
Skeena River			50000	4500	1200
Southend Creek	6000	100			
Thomas Creek					80
Thornhill Creek		60			
Zymagotitz River		500		50	17
TOTAL:	8000	11486	57995	5502	2060

KISPIOX SUB-AREA ESCAPEMENTS
Hazelton Sub-district

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Beaverlodge Creek		75			
Big Fish Creek			150		
Clifford Creek		150			
Club Creek (Lower)	6000	10			
Club Creek (Upper)	5000				6
Cullon Creek		250	1200	200	
Date Creek				50	25
Falls Creek					
Footsore Creek					
Hodder Creek		50			
Ironside Creek		350	300		
Kispiox River	1000	1200	70000	1000	14000
Little Fish Creek					
McCully Creek			300	50	40
McQueen Creek		350	500	30	
Murder Creek		450			400
Nangeese River	12	625		6	
Skunsnat Creek		150			
Stephens Creek	250	25			
Sweetin River		350	1500		600
Twin Creek					
Upper Footsore Creek					
TOTAL:	12262	4035	73950	1336	15071

OTHER MIDDLE SKEENA SUB-AREA ESCAPEMENTS
Hazelton Sub-district

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Burdick Creek		150			
Chicago Creek			500		
Chindemash Creek					
Comeau Creek			75		
Fiddler Creek					
Glen Vowel Creek					
Hazelton Creek					
Kitsequecla River			1000		
Kitwanga River		400	160000	1200	2500
Kleanza Creek		100	500	4	
Legate Creek					
Lowrie Creek					
Price Creek			60		
Shandilla Creek			40		
Shannon Creek					
Shegunia River		150	1200		50
Singlehurst Creek		30	450		
Wilson Creek					
Zymoetz River (Lower)		500	50	200	300
Zymoetz River (Upper)	5000				
TOTAL:	5000	1330	163875	1404	2850

BULKLEY/MORICE SUB-AREA ESCAPEMENTS
Smithers Sub-district

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Atna Lake	N.I.				
Atna River		N.I.			
Buck Creek		N.I.	N.I.		N.I.
Bulkley River (Lower)		N.I.	N.I.		N.I.
Bulkley River (Upper)	N.O.	80	N.O.		1400
Canyon Creek		N.I.			
Causqua Creek		N.I.			
Driftwood Creek		N.I.			
Gosnell Creek		200	N.O.		
Harold Price Creek					
Kathlyn Creek		50	N.I.		
Maxan Creek	N.O.	N.O.			
Morice Lake	N.I.	N.I.			
Morice River	N.O.	N.O.	226000		16000
Nanika River	27000	N.O.	N.O.		700
Owen Creek		N.I.	N.I.		
Reister Creek		N.I.			
Richfield Creek		N.I.			N.I.
Station Creek					
Suskwa River					
Telkwa River		N.I.			
Thautil River		N.I.			
Toboggan Creek		2200	N.O.		2
Trout Creek		N.I.	N.I.		
TOTAL:	27000	2530	226000	0	18102

BABINE SUB-AREA ESCAPEMENTS
Smithers Sub-disrict

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Babine Lake	5000				
Babine River (sec 1-3)	500000				
Babine River (sec 4)	5000	1302	176158	N.O.	1681
Babine River (sec 5)	N.I.	N.I.	N.I.	N.I.	N.I.
Boucher Creek	100	2	400		N.O.
Donalds Creek	N.O.				
Five-mile Creek	60				
Four-mile Creek	2500				
Fulton River (above fence)	178144	120	39		3
i)Fulton Sp. Ch. #1	14577	20	6		
ii)Fulton Sp. Ch. #2	122021		12		1
iii)Fulton R. below fence	250000				
Hazelwood Creek	N.I.				
Kew Creek					
Morrison Creek	4800	N.O.	N.O.		
Nichyeskwa River	N.I.	N.O.			N.O.
Nilkitkwa River	N.O.	N.O.			N.O.
Nine-mile Creek	4400	N.O.	N.O.		
Pendelton Creek	1100				
Pierre Creek	18000	N.O.	N.O.		
Pinkut Creek (above fence)	35221	75	10		
i)Pinkut Creek(below fence)	200000				

ii)Pinkut Sp. Ch.	79009				
iii)Airlifted above falls	37325				
Shass Creek	2000	N.O.			
Six-mile Creek(Gull Wing)	N.O.				
Sockeye Creek	2700				
Sutherland River	N.O.				
Tachek Creek	2500				
Tahlo Creek	2500	N.O.			
Tahlo Creek (Upper)	N.O.				
Telzato Creek					
Tsezakawa Creek		N.I.			
Twain Creek	7000	N.O.	N.O.		
Wright Creek					
TOTAL:	1473957	1302	176625	0	1685

BEAR SUB-AREA ESCAPEMENTS
Smithers Sub-district

STREAM	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Asitka Lake and River	400				
Azuklots Creek	2100	N.I.			
Bear Lake	N.I.	N.I.			N.I.
Bear River	N.I.	N.I.	N.I.		10500
Johanson Lake	2600	N.I.			70
Kluatantan Lake	N.I.				
Kluayaz Lake and Creek	N.I.	N.I.			
Moosevale Creek		N.I.			
Motase Lake	250	N.I.			
Salix Creek	200	N.I.			
Sicintine Lake					
Slangeesh River	N.I.	N.I.	N.I.		N.I.
Spawning Lake					
Sustut Lake and River	2600	N.I.			800
TOTAL:	8150	0	0	0	11370

1992 SKEENA RIVER ESCAPEMENTS

SUB-AREA	SOCKEYE	COHO	PINK	CHUM	CHINOOK
Coastal	7000	1110	38063	2513	1002
Lakelse	4890	11338	81170	25	146
Kitsumkalum	4450	1460	460	515	14790
Other Lower Skeena	8000	11486	57995	5502	2060
Kispiox	12262	4035	73950	1336	15071
Other Middle Skeena	5000	1330	163875	1404	2850
Bulkley/Morice	27000	2530	226000	0	18102
Babine	1473957	1302	176625	0	1685
Bear	8150	0	0	0	11370
TOTAL:	1550709	34591	818138	11295	67076

NOTE: Babine coho count of 1302 includes all coho listed in the table below "Babine River (sec 4)".

AREA 5 SALMON ESCAPEMENTS 1992

	Sockeye	Coho	Pink	Chum	Chinook
OUTSIDE BANKS I.					
Indian Harbour Cr.	N.O.	15			
Kenzuwash Cr.	N.O.	15		N.O.	
Kingkown Inlet 5 Cr.s	1500	300	N.O.	N.O.	
Quitonsta Cr.	600	500	N.O.		
Raulison Cr.				N.I.	
Skull Cr.			N.I.	N.I.	
Lewis Cr.		25	N.O.		
Total	2100	855	0	0	0
UPPER PRINCIPE					
BROWNING ENTRANCE					
Deadman Cr.			N.I.	N.I.	
Endhill Cr.	400	400	4000		
Hankin Cr.		30	1800	N.O.	
Kesvar Cr.	30	100	600		
Spencer Cr.	N.O.	N.O.	N.O.	N.O.	
Total	430	530	6400	0	0
LOWER PRINCIPE					
Bolton Cr.	N.O.	150	1000	N.O.	
Curtis Cr.	8200	250	500	25	
Devon Lk. Sys.	3000	200	200	N.O.	
Beer Lk. Sys.	25	200	3500	N.O.	
Keecha Cr.	3100	165	2150	N.O.	
Kooryet Cr.	2500	300	7200	N.O.	
Mikado Lk. Sys.	1600	110	1350	N.O.	
Moncton Inlet Crs.	20	20	20	N.O.	
Dar Pt. Cr.	N.I.	N.I.	N.I.	N.I.	
Port Stephens Cr.		70	200	N.O.	
Sheneeza Cr.	150	N.O.	N.O.		
Total	18595	1300	16120	25	0
PETREL CHANNEL, ALA PASS.					
Hevenor Inlet Creeks	N.O.	80	140	4	
Markle Cr.		N.O.	N.O.	140	
Newcombe Harbour Crs.		N.O.	500	100	
Ryan Cr.	N.O.	160	250	N.O.	
Shaw Cr.		160	860	N.O.	
Wilson Cr.		N.O.	N.O.	155	
Total	0	400	1750	399	0

UPPER GRENVILLE CHANNEL

False Stewart Cr.	N.O.	12	850	5	
Kievnuggit Cr.	350	250			
Kumealon Cr.	5	20	8000	N.O.	10
Kxngaal Cr.		N.O.	N.O.		
Northness Cr.			N.O.	55	
M.Kumealon Cr.		N.O.	700		
Pa-aat River		150	3500	15	
Total	355	432	13050	60	10

LOWER GRENVILLE CHANNEL

Belove Cr.		N.O.	150	2	
Lagoon Cr.			2	250	
Love Inlet Crs.	1000	200			
Stewart Cr.		N.O.	10	20	
Three Mile Cr.		N.O.	N.O.	N.O.	N.O.
Tsintack Lk. Sys.	260	75	10	N.O.	
Total	1260	275	22	270	0

OGDEN CHANNEL KITKATLA INLET.

Alpha Cr.		N.O.	3500	N.O.	
Billy Cr.		N.O.	150		
Captain Cove Cr.	100	20	1000	N.O.	N.O.
Kitkatla Cr.		N.O.	N.O.	N.O.	
Pheonix Cr.		N.O.	150	N.O.	
Snass Cr.		N.I.	N.I.		
Total	100	20	4800	0	0

PORCHER INLET.

Foot Cr.		N.O.	PRES.		
Head Cr.		N.O.	700		
Porcher Cr.		N.O.	300		
West Cr.		N.O.	25		
Wolf Cr.		N.O.	100		
Total	0	0	0	0	0

.	Total All	22840	3812	42142	754	10
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