CRUISE #1 - 1948

INSTRUCTIONS

The Fish and Wildlife Service is desirous of promoting the development of the Alaskan trawl fishery for a more complete utilization of the fishery resources. Since it is anticipated that this fishery will exploit species on which there is little information and will operate in areas not intensively fished before, a vast amount of information must be obtained to assure an orderly and scientific development of the fishery. Regulations require that all operators of otter trawls shall maintain accurate records of fishing activities and the following forms have been provided for this purpose.

SUBMISSION OF RECORDS

The fishing record of each day should be entered on a separate sheet and a duplicate obtained by inserting a carbon between the white and buff colored pages. The carbon copy (buff) should be mailed to the Fish and Wildlife Service, 2725 Montlake Boulevard, Seattle 2, Washington, at the completion of each trip. Franked envelopes, requiring no postage, have been provided for this purpose. The original (white) should be retained in the book as a permanent fishing record.

RECORDING DATA

Area Number: Designate locality of drag by number as shown on the statistical area map in the forepart of this book. For example, a drag made 40 miles true north of Cape Sarichef light would be designated as 55-164 (5-A) in which 55-164 would describe the degrees of latitude and longitude bordering the general area. The figure 5 as obtained from the numbers on the vertical margin would define the locality as between 20 and 30 minutes of latitude while the letter A obtained from the lettering on the horizontal margin would further define it as within 50 to 60 minutes of longitude.

Depth: Record in fathoms for start and finish of each drag.

Type of Bottom: Use Coast and Geodetic chart symbols to designate character of bottom at beginning and at end of drag.

Compass Course: Ship heading magnetic.

Current Set: Direction and velocity of current.

Time on Bottom: Time net starts fishing and time hauling begins. Difference represents length of time net fished.

Towing Speed: Estimated speed over ground in knots.

CATCH:

King Crab: Number of males and number of females caught.

Other Shellfish: List kinds (e.g. Tanner Crab, Dungeness Crab, Shrimp, Scallops) and number of each kind.

Halibut: Number of legal size (20 inches in length) and number undersize.

Gray Cod: Estimated poundage or number of fish (designate whether pounds or number).

Whiting or Alaska Pollack: Estimated poundage or number of fish (designate whether pounds or number).

Flounder and Sole: The species listed are those which it is anticipated will occur in greatest abundance and the number or estimated poundage of each should be listed in the respective columns. If identification is not possible list as unknown.

NOTE: In recording catch specify whether the figure represents poundage or number. In the case of King Crab and Halibut a count is most desired. In those species taken in quantity the estimation of number will be impracticable and estimated poundage is recommended with some reference to average size, such as small, medium, or large.

Any additional information such as wind or weather, air or water temperatures, or similar observations will be appreciated.

FISHING RECORD

FWS BOAT WASHINGTON

MONTH Sept. 14 DAY ____ YEAR 48

CAPT. HANSEN

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
1	15 F / 17 F	BLK MUD / BLK SPECKS-Mud	SW	W	AM 8:30	AM 9:15	45'	200 RPM 2-MI	0	0	0	0	0	0	0	0	0	0	0	0	0	1 only 5 melt
	(Air Temperature end of drag 46° F																					
2	15 F / 14 F	Br. Mud / BLK SPECKS do	E½S	W	11:10	12:Noon	50'	170 RPM 1½ mi	0	Sm. Purple 4	3 Shrimp Female	1	0	—	—	—	—	—	—	1	—	
	Considerable Starfish																					
3 ↓	14 F / 13 F	BR. MUD / BLK SPECKS DO	NE	W	1:25 PM	2:10 PM	45'	170 RPM 1½ mi	0	1	1 Shrimp	0	1	0	1	0	0	4	0	1	0	

① Started tow 5 mi. due S from Sledge Isl. Gentle NE wind. Westerly current about ½ mile hr. Water temp end 5.3° C at bottom 17 F. Lt. Brown Mud Bottom - Dead bottom. Drag produced Jelly Fish and 1 only smelt 7" long. Could be smelt here but mesh too large. Net floats too high. Removed some floats. Steering S to drag 15 miles due S. of Sledge Isl. at 9:45 AM. - Ran S one hr. rocky bottom. Ran S 15' - start tow. Lat 64° 22.5 N Lo 166° 15' W

Started tow estimated 17 mi. due S from Sledge Isl. Towing within range E½S to ENE Air Temp. 45° F. Brown Mud bottom with black specks. Swung by end of tow to NE ave. for tow EXN. Wind NE 6 miles (light air to gentle). Light westerly tide. Drag on deck at 12:25 ~~and~~ and running 8 miles to NNE for third tow. Also Caught 1 dg tomcod, 4 herring, 2 bullheads. Hal. 25" long wt 6 lb. rd. Temp 4.9 C Air Temp 44

Started tow 15 miles SE from Sledge Isl. (Est. pos.) Steering NE. Gentle NE Breeze, increasing. Lt. NE Sea increasing. Air temp. 44. Brown mud bottom with black specks. Did not tow well at 170 so increased to 200 RPM. Westerly current running. Water temp. at Bottom end of drag 5.45 C. Air temp. 45° F. Caught 4 starry Flounders 1 lemon sole 1 sm. Halibut - 100 Tom Cod. Lots of starfish 1 female K. Crab - (small purple) 1 WHITING ~~[illegible]~~ (looks almost like Herring). Also called Pollock. 1 - Tanner Crab - (small)

FISHING RECORD

FWS BOAT WASHINGTON

MONTH Sept 14 DAY 14 YEAR 48

CAPT. HANSEN

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
4	14F / 16F	DARK SAND / Lt. Gr.	ENE	NW	1610	1645	35'	200	0	6	2 Shrimp	0	0	0	0	0	0	0	0	0	0	

Started tow 12 mile offshore abreast Penny River on Nome Beach. ~~[illegible]~~ Gentle E wind and very light easterly swell. Air Temp 46 Bottom Temp 5.6C Lt. grey sand dark specks. Lots of Star fish + spiders. Cap. says poor fishing ground. Boris thinks might be better in SW wind. Caught 6 female KC - 12 good sq. Herring 3 smelts 1 cusk (an eel-like fish) 1 Arctic Pollack 60 Tom cod lots of star fish a new variety of shrimp. (Sample put down in formulas) - Off at 1715 to home to pick up Thompson ~~[illegible]~~ LORAN Man steering ENE

FISHING RECORD

BOAT WASHINGTON

MONTH Sept DAY 15 YEAR 48

CAPT. HANSEN

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
5	10F	SAND LT. COLOR	WSW ~~SSE~~	W	1355			1.80 1/2														

Started Towing 2 miles off Nome Due S. from Coast Guard Station. Fine weather. Lt SE swell. 180 RPM. Air Temp 49 1/2. Towing WSW Loran 4086 Snag @ time 1440 – Net Badly torn in Rock Pile @ 10F. No fish – Position of Snag – 3 miles WSW from Nome – in 10 F. Ran back to anchor at Nome and started mend gear.

Sept. 16th – Nome Roadstead mending nets. Blowing hard Northers.

Sept. 17th – Strong N. wind.

Sept. 18th Anchor up and underway at 4:38 AM Course SWXS

FISHING RECORD

BOAT Washington

MONTH Sept. DAY 18 YEAR 48

CAPT. Hansen

HA BER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow Tail	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
6	15F	14F	Grey SAND BLK SPECS		SWXS	None	0813	~~200~~ 180 RPM	30'	200 RPM	0	4	12 Shrimps	0	0	0	0	0	0	3	0	0	0	

SWXS Bottom Temp. 5.2 C. Start in Grey Snd. Blk Specs. Lt. Westerly wind. 64°11'-N Lat. 166°15' W. Long. approx 35 miles SWXS of Nome Beach. Loran 4104. 200 RPM est. 2 mi per hr Towing speed. (Automatic steering does not hold course while towing.) No sign of birds. Air temp. 33° snowing. Lt. Easterly tide observed at 0847. Lots of starfish, tomcod, some bullheads & trash. Off at 0904 - Start 0813 haul in at 0843. Diff 32 minutes on tow. (also caught 5 small herring - 1 alaska Pollock. - Drag made in area where codfish reported by Jack Anderson and others) (Boris says 178 RPM)?

HA BER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow Tail	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
7	16F	15F	DARK SAND		SW½W	0	1312	1407	50'	~~200~~ 180 RPM														

NEXN approx 40 miles from N.E. Cape. 63°46' N. Lat. 167°28' W. Lo. Air Temp. 36. Lt. swell from NW calm sea cldy variable lt. air. [redacted] Automatic steering OK now. observed whales blowing WXS numerous spouts. Apparently large Number of whales. Caught 1 only 11 lb cod. several young cod. 2 lemon sole 2 small lemons 2 rock flounder 12 small herring several smelt Small tomcod fewer starfish. Water temp. not recorded. Also caught several bullheads one large. Underway at 1415 steering SW by so.

63°46 N 167°28W (Boris says 178 RPM)?

FISHING RECORD

BOAT Washington

MONTH Sept DAY 18 YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	SHELLFISH: KING CRAB No. Female	SHELLFISH: OTHER (List kinds)	FISH: HALIBUT Legal Size	FISH: HALIBUT Under Size	FISH: GRAY COD	FISH: WHITING	FISH: FLOUNDER AND SOLE Yellow Tail	FISH: FLOUNDER AND SOLE Rock	FISH: FLOUNDER AND SOLE Starry Flounder	FISH: FLOUNDER AND SOLE Flat-head	FISH: FLOUNDER AND SOLE Lemon	FISH: FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE

Note: 20 miles SW St. Lawrence Isl. running by large school of whales. Whales seen & blowing in all directions. @ 1515 None Time

8	17F 17F	Rock Bl-Snd	W SW	None	1535	1620	45'	175														

Water temp. (bottom) 6.8 c Air Temp 37° F. Gentle swell. NE wind (lt.) Becoming cloudy. Bottom dark brown sand. 1 small halibut - lots of small tom cod & Bullheads. 12 large cod 3 starry flounder 20 sand flounder 3 lemon flounder - nice looking fish. After net in started steaming W to run shore of St. Lawrence Isl. before dark as weather reports not good. Lat 63°37 Lo 167°36

Sept 19th Strong northerly gale (40-45 miles). Observed many feeding birds. Hanson believes this might be good place to fish in good weather. Bird observed to west & south of St. Lawrence Isl. Impossible fish in this weather so are heading south to base at Dutch Hbr.

FISHING RECORD

BOAT Washington

MONTH Sept. DAY 19 YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH: HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
			Interview with natives at Gambell, St. Lawrence Isl., conducted by radio with cooperation of Mr. Archie W. Demmert, Teacher A.N.S. at Gambell. It was blowing a Northerly gale making impossible to go ashore at Gambell, so contact was made via radio.																			
			Pop. of Gambell 298 people (nearly all eskimos) only a few engage in fishing. Abt 5 skin boats go out fishing, occasionally. No particular method of fishing. Use very small nets near streams or hook & line. Fish are only caught for own home use, not even on commercial scale. Size of hook used No. 4 to 12 halibut hook.																	
			Skin boats are approx. 25' long, propelled by outboard motor. One man caught this year 1800 lake fish (apparently rainbow trout 10" to 14" long. Caught in lagoon E of SW Cape. Another caught 200. Trout fish middle of July to Sept. Crab. Jan to April — depends on ice. Where shell ice appears it indicates crabs.																	
			This season caught some scalpin. No flounder or halibut this summer. Only a few codfish this season. Codfish run very poor this season, while other years it has been generally good.																			
			Crabs — Lots in Jan. Feb. March. Caught mostly abt. 1/4 mile off North Shore from Gambell Mt. Cliff — not far from shore																			
			Clam — like goeyduck — wash ashore in bad storms. Also in Walrus Stomachs. Cannot dig as little tides																			
			Bait or lure for fish — blubber or meat, sometimes bright red cloth. for scalpin or codfish. Any kind of meat or fish for crabs.																			

FISHING RECORD

BOAT Washington

MONTH Sept 19 DAY 19 YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE

Trambell Interview Continued

Jap. factory ship seen 1938 or 1939. abt 5 miles at Sea abt. NE. Say fished from date line around to Boxer Bay. (apparently others signed before this.)

One eskimo went aboard Jap. ship. Reports had lots of fish which looked like smaller sized codfish (but not tomcod) "all kinds bottom fish" This cod fish like fish has "lots of spots on side"

One native went to E. of Isl. on N. shore past Savaninga. ~~[illegible]~~ returned with several slm. (1 - chum - 1 - sockeye)

~~[illegible]~~ Sept 20:

Steaming to St Paul ~~[illegible]~~ in NW Gale 30-50 mile wind - large breaking sea, following sea. Feed busts observed frequently. Hansen says he thinks promising, but too rough to fish.

Sept 21.

Arr. St. Paul 2:AM Depart 1:PM. 1/2 speed from St. George to arrive fishing grounds at daylight. St. George astern at 5:PM.

FISHING RECORD

BOAT Washington

MONTH Sept DAY 22 YEAR 48

CAPT. Hansen

DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
		at 0630 150 miles SEXE 3/4 S from St. paul. 75 F. Tried bottom with lead. Deep sticky blue mud. Running a little further.																			
73F 75F	Blue mud	NNE	None Vis.	0715	0815	1 hr 225		0	0	0	0	0	6	0	0	0	0	0	0	0	
		Started towing at 0735 good Easterly wind & swell increasing. Air Temp 40. Lat. 55°28'N Long. 166°59'W approx 150 miles SEXE 3/4 S from St. paul Isl. Current set, if any, Northward. Water 425°, Hauled in and found mostly small turbot (mud sole) (abt. 100) 4 small codfish, a few arctic pollock scates, about a dozen tanner crabs. one octopus. Results poor. Weather getting much stormier. Hard to get net back. (Included with turbot was about 50% mud sole.) also caught 6 blackcod, few true cod. No more fishing today unless moderates. Strong increasing E wind and sea makes fishing impossible. Proceeding Dutch Harbor at 0900. Glass falling. — Total catch est. 1500 lbs.																			
		3- Oval Shaped Floats collapsed in this Tow.																			

FISHING RECORD

BOAT Washington

MONTH Sept DAY ____ YEAR ____

CAPT. Hansen

DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	SHELLFISH: KING CRAB No. Female	SHELLFISH: OTHER (List kinds)	FISH: HALIBUT Legal Size	FISH: HALIBUT Under Size	FISH: GRAY COD	FISH: WHITING	FISH: FLOUNDER AND SOLE Yellow Tail	FISH: FLOUNDER AND SOLE Rock	FISH: FLOUNDER AND SOLE Starry Flounder	FISH: FLOUNDER AND SOLE Flat-head	FISH: FLOUNDER AND SOLE Lemon	FISH: FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
		Sept. 23	Tied up at Dutch Hrb. Stormy - Went to Unalaska																		
		Sept. 24	Tied up at Unalaska - Blow.																		
		Sept. 25	Ditto																		
		Sept 26	Took Lube. Went to ~~Unalaska~~ - Akutan																		
		Sept 27	Left Akutan. Going outside to see if possible to fish. Went back to Akutan as Capt. & Knake decide weather too rough for fishing. Strong W. wind. Arrived Back Akutan Wharf Dock 10:30 AM Bering Stnd. Time 1030 -																		

FISHING RECORD

BOAT Washington

CAPT. Hansen

MONTH Sept DAY 28 YEAR 48

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH: HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
10	57 F / 65 F	SHELLS, BLK SND SOME GRAVEL	ENE	NW	0910	1000	50'	200	0	0	See below	1	2	3	0	0	400#	0	0	0	0	400#

Temp. 5.95 E Water @ Bottom. Started tow 57 F, Bottom Shells, Blk Sand some gravel. Location 54°17 N 165.57' W Wind SE Mod. W. Strong swell qd. sz. rollers following. abt 3 mi. N of N-head. (Location) Air Temp 48° F. Turbot abt 600 lbs Rock Sole (Small) abt 400 lbs. 4 Dover Sole 1 Hal. abt 45 lbs 2 immature halibut abt 12" long. Lots of tanner crabs, bullheads, 3 small cod, abt 2 dz. rock crabs, 1 dungeness crab several small pcs. sponge 1 scallops, lots of spider crabs, one small crab no shell. No King Crab Temp. 30 F. 7.15 C. Tow ended just short of drop off into deep water Underway 1044 bringing up fast from SE. Also caught 3-dover (slime) Sole.

(Broken Gravel Pinnacles)

Some of the crew boiled a tub of these "Rock" crabs. Clam superior to Dungeness & all meat. Will bring a sample home.

11	55 F	BLK LAVA SAND	NW	Slack	1235	1325	50'	200	0	0	See Below	1	20	0	0	0	150#		150#	0	0	300#

Temp. 6.45 Water @ Bottom. Started tow in 55 F. Bottom Blk Lava Sand. Wind S good breeze following chop. Location of tow L 54° 15'N Lo 166° 44' W. Akutan Bay 55 F hole. Air temp. 49° F. Bar. 30.00. Caught: 1 halibut abt 25# about 20 young halibut abt 12". Lots of turbot. abt 18 Rock Crabs. Lots of Tanner Crabs. 1-D'ungeness Crabs. Abt 300 lbs mixed Rock & Flathead Flounder. which were better sz. Did purge some. 3 very small Cod, 1 small Pollock. Ran to Akutan - Blowing very hard SE.

Should be 165° 44'

FISHING RECORD

BOAT Washington

CAPT. Harrison

MONTH Sept DAY 1 YEAR 48

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM: Start Fish	TIME ON BOTTOM: Start Haul	TIME ON BOTTOM: Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	SHELLFISH: KING CRAB No. Female	SHELLFISH: OTHER (List kinds)	FISH: HALIBUT Legal Size	FISH: HALIBUT Under Size	FISH: GRAY COD	FISH: WHITING	FISH: FLOUNDER AND SOLE Yellow Tail	FISH: FLOUNDER AND SOLE Rock	FISH: FLOUNDER AND SOLE Starry Flounder	FISH: FLOUNDER AND SOLE Flat-head	FISH: FLOUNDER AND SOLE Lemon	FISH: FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
			Sept. 29	-		At Dock Akutan during hard SE blow. Wind est. 60 plus.																
			Sept 30			Ditto																
			Oct 1.			Underway 4:30 PM Enroute False pass.																

(Interviews at Unalaska with U.S. Marshall, Mr. Hall of NC Co., etc. reveals practically no herring or cod found in area anymore. Also few salmon. Blamed on rapid increase of sea lions and hair seals. Claim large number herring like fish seen this year, but no exact description or samples seen. Possibly pilchards?)

(Interview with Mr. Mc Glashan (Hugh) Postmaster at Akutan Village and former fisherman.

Codfish disappeared since war. Blames sea lions and hair seals which have mostly increased on both Bering & Pacific side. Used to put up 40 tons out of the bay in the Spring. Now nothing except a few small ones.

Akutan pass infested with sea lions. Hair seals are all over. Used to be scarce before the war. Natives used to hunt them which kept them scarce, but no longer hunt them. Depth charges during war may have killed fish.

FISHING RECORD

BOAT Washington

CAPT. Hansen

MONTH _____ DAY _____ YEAR 1948

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE

Mr. McGlashan Interview Cont.

Former good codfish halibut grounds: Lava pt. to Akun Head 35 to 40 F line. Also Akun Cove 25 F line. Lava pt. Gravel Bottom + fine sand but too close in is rocky. Pacific Side too rocky for dragging. Quite a few soles + bottom fish in area. Outside Lost Harbor to Akun head good codfish ground (formerly). Akun shore rugged other side ok. Tigalda Bay - used to be good codfishing, former codfish station there.

Oct 1 - Capt. Hansen reports Herring flips (large Herring) large school seen Cape Lutke 45 F. Very numerous feed birds + seals. From Unimak Pass to Cape Lutke herring + feed birds.

Oct 2 - A.M. made inquiries at False Pass. No herring reported in area. While traps formally caught lots of herring, this year no herring were caught in the traps x.

Steamed to anchor at Ivan Isl. Pavloff Bay anchored up 6:30 PM - Many snow squalls.

FISHING RECORD

BOAT Washington MONTH Oct DAY 3 YEAR 48

CAPT. Hansen Pavlof Bay

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH: HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE: Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
17	24 F / 16 F	Vole ASH	NE	SW SLIGHT	0652	0759	67	200	10	14	1 Dung	4	20	0	0	0	abt 25 FLH	0	0	Yellow Fin 25 Fish aff		X
					Abeam Round Isl. in Pavlof Bay in Roo shows No 12																	
					starts towing NE. ~~[illegible]~~ Air Temp 36. 200 Rev-																	
					Lat 55°32 N Lo 161°34 W. Water Temp. 7.3C Lava Mud																	
					sand. Caught 14 Female King Crab 10 Male KC																	
					semi soft shell 4 Chicken halibut avr 10 lbs la.																	
					abt 20 baby halibut some preserved abt 50																	
					King Crabs mostly female 50 or 60 flat fish																	
					Yellowfin soles + Rock soles. Some sea star																	
					and jelly fish. 1 Dung Crab. Rock + Yellowfin Soles 14"																	
					and down - most of two smaller frage: Brine Frage 2 KC																	1 Halibut
					Dry Frage: - 4 KC - Some Baby Halibut (about 20) + Med. Hal. dressed																	
13	32 E / 25 F	VOLE ASH	EXS	FLOOD IN BAY	0913	1010	57'	180	3	110	15 Tanner	0	0	0	1	150#				Yellowfin 150#		all small
					Canoe Bay. Starts in 32 Fath. Air Temp. 41°F. Position																	
					Lat 55°35.5 N - Lo 161-19.5 W. Steering after 30 minutes ESE.																	
					Water Temp. 7.9°C Caught 110 Female KC, 3 Male																	
					KC, abt 15 Tanner Crabs, 3 or 4 baby KC, 1 dressed																	
					od sz, 1 ~~tomcod~~ 1 whiting considerable small sz.																	
					Mixed Rock + yellowfin soles + flounder. Lots of Shrimps																	
					(Samples in formalant frozen also samples of Fem KC																	
					+ baby KC being frozen) Lady Finger sponge several																	
					1 octopus, some clams, sea cucumbers, considerable																	
					Kelp. Discontinued towing further as did not																	
					wish disturb female KC further. — see following																	

Depth error in Round Isl. 6 F Temp error in Round Isl. 70 F

Depth in minutes in 2" clams.

FISHING RECORD

BOAT Washington

CAPT. Hansen

MONTH Oct DAY 3 YEAR 48

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM: Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH: HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE: Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
			Cane Bay Population apparently all female & young, also this time of year also nursery area for flatfish as all taken were small. Below Bay should be closed to fishing as large this time of year, possibly permanently x JR																			
			At anchor waiting high slack at 2:35 PM. to leave Lagoon.																			
	Pavlof Bay																					
14	10 fm 18 F Lava 1454	SSE	Ebb	1434	1600	1h26'	200	1	56	Few Tanner	1	0	0	0	0	50 Fish	0	0	6 Fish	Yellowfin 50 Fish		
			Started towing 5 miles from Entrance (Cane Bay) in 10 F. 200 RPM. Outside Temp. 42°F. Towing in Pavlof Bay. Lat 55°36' N Lo 161°0'W Caught 56 Female KC, 1 only Male KC, a very few tanner chabo mostly small, about 100 miles Rock + Yellowfin sole, a very few lemon sole mostly small. 1 Chinook halibut. All bottom fish were small. Also 1 - med. Halibut at 15 lbs. A few small flounders also caught. Going to anchor up at 4:30 PM!																		
	Hol. open Entrance closed																					

FISHING RECORD

BOAT Washington

CAPT. Hansen

MONTH Oct DAY 4 YEAR 1948

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE

~~Mr.~~ at Sand Point - Interviews in re herring -
Mr. Peterson, Aleutian Cold Stge. Co. says considerable herring noted in area. None caught as no gear available. This year imported herring for bait from Sitka. Says good halibut & salmon fishing in area (no trolling yet.) Cod have disappeared. Blames it on sea lions.

Mr. Mike Uttecht (UTTECHT) who operates mail boat Moby Dick & is well known in area & well acquainted with waters (also bear hunting guide on penninsula) says has seen large schools of herring. Lots of herring seen in METROFANIA BAY - big schools. Ran thru 12 to 15 mile school of herring near Perryville. Also says lots of herring at King Cove.

States belief sealions have killed of codfish & many halibut. Rocks about 5 mi. NW of Cherni Isl. Abt 14 mi NE From Sanak he saw about 10,000 sealions in one place. Formerly were few sealions, but increasing very rapidly, while cod and halibut decreasing in same areas.

FISHING RECORD

BOAT Washington

CAPT. Hansen

MONTH Oct DAY 5 YEAR 1948

DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
		Oct 5 - Ran to Perryville. Arrived approx 1:PM. Left abt 3 PM. Interviews re herring. - Left for Kodiak Isl.																			

FISHING RECORD

BOAT Washington

MONTH Oct DAY 6 YEAR 1948

CAPT. Hansen

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH: HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE: Yellow Tail	Rock	Starry Flounder	Flat-head	Stand Sole	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
15	17 F / 32 F	MUD-VOLCANIC BROKEN Shells	~~NNE 1/2~~ NE x N x N	High Slack	1358	1500	1hr 2m	200	0	0	Several dungs.	1	0	7	0	0	0	12 Fish	~~4~~	2 Fish	Fish 2	50 lbs.

Towing in Kaguyak Bay, Kodiak Isl. Water Temp. 8.2° C Air Temp 44° F. Approx position towing down middle of bay, hundred yds from village. Starting tow abt 1½ miles from village. Estimated tows 2¼ miles in 1 hr. Tow ended in center of channel abeam pinnacle rocks at entrance to Bay. Results very poor: — caught 1 dg. Starry Flounder, gd. sz., 2 sand sole, 2 small ~~[illegible]~~ grayed, 7 small sabe fish, 8 yellowfin sole, 3 dogfish, several tomcods, lots of ~~[illegible]~~ bullheads, several dungeness crabs (rather small) 1 skate, 1 - chicken halibut abt 7 lbs, several small bess lite fish, some starfish. — Sole & flounders very fugen x L 56° 53' N Lo 153-45 W

Oct. 6: 4 PM (Kodiak Time) Froze in Brine 8 round silvers, 1 red salmon, 1 dressed silver salmon. These fish very fresh (just caught). Fish obtained by trading 1 cs. spuds (100#) for 13 fish. 3 fish retained for table use.

Oct 6. Talked to Deep Sea By Radio. He advises locates ~~[illegible]~~ slight population of Female & infant K C (apparent nursery) 15 to 20 miles East of regular fishing grounds off Black Hills x

FISHING RECORD

BOAT Washington

MONTH Oct DAY ____ YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow Tail	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE

Oct. 7 – Started to breeze up after Midnite. Could not fish outside. Rolling Bay + Natalia Bay ~~No~~, too much wind. Anchored in Newman Bay. Anchor dragged. Glass falling very fast. Ran to anchor abeam Old Harbor village. Glass at 2:30 PM 28.94 and still falling fast. Intense Easterly wind. 28.94 at 3:20 PM Bar. 28.90 – Bar. @ 6:00 PM – 28.68 @ 7:PM Bar. 28.64

FISHING RECORD

BOAT Washington

MONTH Oct DAY 8 YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow ~~Tail~~ Fin	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
16	15F	27F	SAND BROKEN Shells		SXW	Ebb	0845	0930	45'	200	0	0	12 dung. Lbs 2 " 1 sm few spider	7	12	0	0	4 Fish	0	20 lbs	0	0	50 lbs	70 lbs

In Rolling Bay, tow started inside Bay headed out. Lo 57°02' N - 53°21' W. Lat. Large rollers from last nites blow outside, considerable swell while towing. (190 revolutions = 2 mi per hr at slack tide = based on Kaguyak drag.) Air Temp. 46°F Caught 7 halibut 7 lbs to 35# - 12 dung. crabs gd sz. - abt 12 dung. crabs too small. abt 50 lb. SAND SOLE, abt 20 lbs Starry Flounder, 3 or 4 yellowfin, a few spider crab. abt 1 dz. young hal. less than 12" some bullheads + starfish. Clean bottom some Kelp. Soles + flounders dry frozen immediately. (60# frozen)

Hal. mostly Chickens

1 - Hal. Stomach examined. feeding on SAND SOLE

AREA NUMBER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow ~~Tail~~ Fin	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
17	65F	65F	Gravel + Shells		S	Lo SLACK	1118	1220	1 hr 2 m	220														

In Sitkaladik Strait, in the middle, steering South. WIND N. Lat 57-10 N Lo. 153°20 W. Numerous gulls & whales observed - feeding on something. ~~[illegible]~~ - Caught: abt 700 lbs various bottom fish, (rockfish, red (canaries) abt 30 lbs. Some turbot, 2 sablefish, few baby halibut, 2 eel-like cod-like fish (Boris calls them Cusks) also 2 cusks (similar but thicker) 1 - 4 lb King Slmn, Some Flathead sole, lemon, yellowfin sole, flatfish quality poor (small + skinny) Alaska pollock, a few codfish, Bullheads, spider crabs, a few small shrimp. Nothing frozen - poor quality x Water Temp 8°C

FISHING RECORD

BOAT Washington

CAPT. Hansen

MONTH Oct DAY 8 YEAR 48

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	SHELLFISH: KING CRAB No. Female	SHELLFISH: OTHER (List kinds)	FISH: HALIBUT Legal Size	FISH: HALIBUT Under Size	FISH: GRAY COD	FISH: WHITING	FISH: FLOUNDER AND SOLE: Yellow ~~Gray~~ FIN	FISH: FLOUNDER AND SOLE: Rock	FISH: FLOUNDER AND SOLE: Starry Flounder	FISH: FLOUNDER AND SOLE: Flat-head	FISH: FLOUNDER AND SOLE: Lemon	FISH: FLOUNDER AND SOLE: Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
18	9F		NXE	3/4 Flood	1524	1552	28'	190	0	0	2 dung	1	1	0	0	25#	25#	2	0	0	0	50#

Amee Bay. Lat. 57°12' N Lo 153°12' W — NXE Towing @ 180 rev. Amee Bay, Kodiak Is. — 8.6° C water Temp — Blk mud brk shells. Air Temp 46°F — Caught! — mostly Keep. 1 chix hal. 6# 1 baby Hal. 2# 50# of small flat fish (Yellow FIN + rock sole) 2 Dungeness crabs, few small black cod, several bullheads, 2 baby devil fish — NO KING CRAB — None frozen — too small, poor quality. Also Caught 2 Starry Flounder.

FISHING RECORD

BOAT Washington

CAPT. Hansen

MONTH ~~Sept~~ Oct DAY 9 YEAR 48

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH: HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE: Yellow ~~Rock~~ FIN	Rock	Starry Flounder	Flat-head	~~Lemon~~ English	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
19	57F 43F	Grey sand Black specks	EXN	E66	0916	1013	57'	200	0	0	1 dung 1 Tanner	7	0	50#	0	150	150	0	100	1 Fish		400
			Water Temp. 8.95 grey sand black specks bottom. Lat 57°11'																			
		Sandy Dung Grey Sand	Lo. 152°24'. Air Temp. 41°F. Towing offshore on Albatross Bank, off Kodiak Isl. Long heavy easterly swell. Caught 1-dung crab 1-Tanner crab, abt 400 lbs asst. flatfish (flathead sole, yellowfin, Rocksole, 1-only English Sole — quality poor thin — size Flathead 13½ yellowfin 15" — mostly smaller) 1/1 small halibut, ave abt 7 lbs abt 100 lbs red rockfish 14½" ave. length, abt 50 lbs cod 24" to 17#' Water Temp. Cond by Tow. 7.8 Bottom Grey Sand — Dry Frozen 40# red rock 40# mixed yellowfin Flathead (Small fish) Temp. 0.																		
20	43F	Fine Sand Rock Specks	NW	F1000	1134	1235	61'	200	0	2-Dung 1-Tanner	0	14	35#	0	See below:—							
			Air Temp. 44 F. 57°12 N 152°13 W. Towing offshore of Kodiak Isl. Water Temp. 6.8 — Fine Sand Rock specks. Caught abt 750 lbs mixed flat fish. — 14 only small halibut, soles yellowfin, English Dover — Turbot. abt 25# Red Rock, 35# True Cod, 15# Alaska Pollock, 2 dung crab, 1 tanner crab. Some Bullhead.																		
21	44F 45F	Grey Sand	W	F1000	0139	240	61'	200	0	0	Several Tanner & few	0	35#	See below:								
			Air Temp. 45°. offshore Kodiak Isl. in position L 57°11 N Lo 152°08'W. Temp. Bottom 7.25 grey sand - Caught - abt 350 lbs. flat fish (English, Dover, yellowfin - mostly yellowfin) Turbot 2 starry Flound, 2 dog fish, 35 lb cod, 15# red rock, several specks crabs, 1 scallop, a few small halibut under 11 lbs — Froze 40 lbs																		

FISHING RECORD

BOAT Washington

CAPT. Hansen

MONTH Oct. 10 DAY ____ YEAR 48

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE Yellow ~~Tail~~ FIN	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
22	12 F 33 F	Broken clam shells	SEXS	H. SLACK	0754	0900	1 hr 6'	180	0	0	15 Dung Few Tanner	2	0	0	0	FEW	0	Few	0	0	0	10 lbs

Towing in NW arm Kiluida Bay, Kodiak Isl. Boat Stopped @ 08:17 - Stopped by mud or a snag. Door cleaned at 0824 and tow resumed. Hung up in mud again @ 0900 in 33 F. Trouble heaving, doors crossed. Results very poor: 2 sm. hal. 12 dung crabs. few Tanner crabs. Few starry flounders & a few yellowfin soles all small. Mostly Junk. Left Kiluida Bay enroute Yugak Bay.

Water Temp 7.8

Air Temp 40

Position of Tow 57°21'N 153°09'W

Catch of Drag 22:

15 Dung Crabs 5 lg Bullheads 20 sm black cod 6 tanner crab 8 gd sz starry flounders 30 Jumbo sz shrimp, Jelly fish, many baby soles (yellowfin)

Yugak Bay too rough. Storm coming up. Continued on to Kodiak Town.

Oct. 11 - Remained tied up at Kodiak. Very severe weather.

FISHING RECORD

BOAT Washington

MONTH Oct DAY 12 YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow Tail Fin	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
23	35 F	35 F	Grey SAND		SE	FLOOD E	0912	1012	1 hr	200	0	0	0	0	7	0	0	4 Fish	0	0	0	0	0	—

Water Temp. 7.2 air Temp 44°. Near high slack. Easterly set. Position L 57°51 N Lo 151° 50' W Mod. SW Sea little wind. Started to heave in at 1012 in 35 F water. (Must Tar the cables.) (Cap - Says STNO. 012. Dock Best PLACE - Bob Stwarts will do.) (Anchor chain should be chipped and tarred - Fairlead on anchor winch absolutely useless - gives us only one anchor with 80 F chain - cannot anchor over 25 F of water) Doors on board at 1023 X Results of Drag - Practically a water haul 4 only Yellowfin, 7 baby Hal. [illegible], & jellyfish 3 small sandfish. - Running to deeper water to make tow on the edge.

AREA NUMBER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow Tail Fin	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
24	64 F	70 F	[illegible] HARD		SWXW	Ebb NE	1158	1300	62'	200	0	0	100 Tanner	0	5	220 FISH	0	0	0	0	50 FISH	0	0	

Position L. 57°58.5 N Lo 151° 44.5 W Water Temp. 6.3 air Temp. 42 Caught 1 - King Slm 35 lbs 220 codfish 100 Tanner Crab 20 Turbot 50 Flathead soles 5 small halibut 2 pollock 1 scallop 12 Bullhead 8 Long Jaw rock cod (snappers) several seastars - 1100 lbs codfish - Cod feeding on smelt. Froze 40 lb flathead sole - Salted best cod.

FISHING RECORD

BOAT Washington

MONTH Oct. DAY 12 YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow Tail	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
25	63F	66F	HARD		N	E FLOOD	1407	1507	1 hr	200	5	0	many Tanner	0	22	1000#	0	FIN 6 FISH	0	0	100 FIN	—	—	

Position 57° 57' N 151° 53 W Air Temp 47. Ground Swell S. Lt. Breeze. Water 6.3 Hard Bottom. KC - 3 lge 1 med. 1 sm. 100 tanner crab 180 codfish 20 bullhead 6 Turbot 100 Flathead 6 Pollock 3 scallops 6 yellow FIN sole 22 small baby Halibut 6 Red Rockfish — Nothing Frozen down — Salting the best cod — Froze 5 King crab for Lab. (Sole not gd. enough to freeze.)

(Almost into Kodiak almost ran down a boat running without lights. Skipper threw controls full astern. This broke control cable. Took 20 min to repair. ~~why~~ This cable should be stronger)

FISHING RECORD

BOAT Washington

MONTH Oct DAY 13 YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE SE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow ~~Tail~~ Fin	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
26	57 F	52 F	SAND & Hard		~~SE~~	E FLOOD	0813	0913	1 hr	210	0	0	200 Tanner	0	11	20	0	100 Fish	0	0	100 Fish	0	0	
27	55 F	46 F	Sand		NNW	E SLACK	1020	1120	1 hr	220	1	0	100 Tanner	0	5	10	0	100 Fish	0	0	100 Fish	4	0	

26 Sand & Hard Bottom Temp. water 8.9 reading doubtful. Air Temp 40
Mod. sea wind W mod. Let go doors at 8.09. Set Fishing at 8.13
Running @ 8:20 in shallower ground 50 F. Position 57°49 N - 151°57 W
Ran as deep as 75 F in parts of the Tow - Caught 11 baby Halibut
200 mixed Flathead & yellowfin sole mostly small & thin, 3 small
skates 20 Bullhead 200 Tanner crab 15 Turbot 8 Pollock
generally trash - 20 small cod ~~[illegible]~~. Freezing
best flathead & yellowfin - Many Porpoises seen = 40 lbs flathead
& yellowfin frozen mostly yellowfin. Temp. -2°

27 Position L. 58°52 N - Lo 151°55' W. Air Temp 40.
Caught 2 K Salmon 8 & 3 lbs. 5 small baby Halibut 10 codfish
100 tanner Crab 10 Bullheads 200 small flathead sole & yellowfin
4 lemon sole 4 Lemon soles 4 scallops 20 Turbot flounders
5 hermit crab 1 King Crab abt 15# (Male) Bot. Temp 7.55
Sand bottom — Froze 4 - scallops, 3 lbs mixed Dover, yellowfin,
1 - English, 2 lemon, and flathead. Temp. -2°

FISHING RECORD

BOAT Washington

MONTH Oct DAY 13 YEAR 48

CAPT. Larsen

AREA NUMBER	DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	Start Haul	Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	No. Female	OTHER (List kinds)	FISH: HALIBUT Legal Size	Under Size	GRAY COD	WHITING	FLOUNDER AND SOLE: Yellow ~~Tail~~ FIN	Rock	Starry Flounder	Flat-head	Lemon	Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
28	108F / 53F		E	East (EbS)	1347	1417	1hr 30'	200	0	0	TANNER 1000	1	0	14 fish	0	abt 1000 Fish	0	0	abt 1000 Fish	0	0	
	Air Temp 50. Trying deep hole on this ground - start in 108 F. Position Lat 57°57.5 N, Lo 151°58 W. Towed 1 hr - from 110 F to 95 F, and 1/2 hr from 95 F to 53 F - Caught 5 Black Cod, 14 Codfish, 60 Red Rockfish (Small) 10 pollock, 1000 Tanner Crab, 1 halibut, 300 Turbot, 6 scallops 2000 Mixed soles mostly small flathead & yellowfin. - No sounding - Total Catch abt 4000 lbs																					
29	60F / 40	Rock / Sand	EXS	E	1540	1625	45'	200	1	10	TANNER MANY	0	10	4	0	195#	0	0	17#	0	0	
	Pos. 57°56' N 151°55' W - ~~[illegible]~~ Bt. 6.8 gr sand Air Temp - 40. Catch: 10 Female KC 1 Male 350 lbs Flathead and yellowfin are mostly small and there many tanner crab 4 scallops 4 Codfish abt 10 baby halibut. - Best see fish abt one day.																					

FISHING RECORD

BOAT Washington

MONTH Oct DAY 14 YEAR 48

CAPT. Hansen

AREA NUMBER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow Tail FIN	FLOUNDER AND SOLE Rock	FLOUNDER AND SOLE Starry Flounder	FLOUNDER AND SOLE Flat-head	FLOUNDER AND SOLE Lemon	FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
30	60F	62	GREY SAND BLK SPECKS BROKEN SHELLS		ESE	FLOOD	0900	1000	1 hr	200	0	0	Tanner several	1	11	12 Fish	0	20#	0	1	20#	0	0	
					ESE	NON APPARENT	Position L 57° 35.5 N Lo 151°56 W Chemiak area. BT 6.45																	
							Air Temp. 40 – Results of drag poor. Caught ~~#~~ About 500 lbs small scalpin, numerous bullheads, 1 dz. codfish, a few red rock, abt 12 baby halibut includ 1 chicken abt 7 lbs, ~~#~~ 60 lbs mixed sole (flathead and yellowfin) 40# best soles being carried in brine well. Several tanner crab. 1 octopus, yellyfish etc. Cod were small sz. Also caught 1 starry flounder.																
							Knakes Count:-																	
~~31~~							4 Baby Halibut 50 small codfish 50 tanner crab 200 Bullhead or scalpin 1 starry flounder 4 small Blackcod 30 Flathead medium some small scallops scate eggs ~~st~~ seastars-																	
31	44F	40F	Pebbles Broken Shells		SE	Ebb	1140	1244	64'	200	1	0	Tanner 10	0	Several	42 Fish	200#	0	0	200#	0	0	0	400
							Pebbles Broken Shells B.T. 6.4 Air Temp 42 Position L 57°26' N Lo 152-02 W = Caught 1-Male KC, 1 ~~[illegible]~~ Chum slm. 1 small blackmouth slm, abt 400 lbs mixed flathead & yellowfin sole – some good marketable quality. Numerous small halibut, 125 lbs flatfish brine freeze temp. 40 above zero. 40 lbs flatfish dry frozen temp – 2° F – also caught 1 dung-crab, few small truccod, some turbot, 1 sm. octopus, few small pollock, few scalpin & bullheads. ~~[illegible]~~ ~~[illegible]~~																	

FISHING RECORD

BOAT Washington

CAPT. Hanson

MONTH Oct. DAY 14 YEAR 48

AREA NUMBER	DEPTH Start	DEPTH End	TYPE OF BOTTOM Start	TYPE OF BOTTOM End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH KING CRAB No. Male	SHELLFISH KING CRAB No. Female	SHELLFISH OTHER (List kinds)	FISH HALIBUT Legal Size	FISH HALIBUT Under Size	FISH GRAY COD	FISH WHITING	FISH FLOUNDER AND SOLE Yellow Tail	FISH FLOUNDER AND SOLE Rock	FISH FLOUNDER AND SOLE Starry Flounder	FISH FLOUNDER AND SOLE Flat-head	FISH FLOUNDER AND SOLE Lemon	FISH FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE

Knakis recap of Drag 31 (Corrected)
500 flathead & lemon
20 Bullhead
1 King slm
1 King Crab male
1 Dog Slm bright
5 Tanner Crab
50 Scalpins
42 Codfish mostly small
10 Starfish
some rocks

32 44 46 FINE SAND W Ebb - 1442 / 1542 / 1 hr 200

Water Temp. 7.15 Air Temp. 44 Position 57° 36.5 N, Lo 151° 39.5 W
57° 36.5 N, Lo 151° 39.5 W

No current set visible. Caught - 1 blackmouth slm. (trout size) 13 undersize halibut, 4 tanner crab, 2000 Fish sole flathead yellowfin & good amt of English 50 Turbot 50 small pollock 30 Bullheads 20 small truecod 25 scalpins starfish & jellyfish - Freezing the best sole. Sounding end of Drag ~~[illegible]~~ BT 705 Fine clear sand - Dry frozen 60 lbs English Sole, 20 lbs mixed yellowfin & flathead - 2° - Extremely high quality on English Sole only - other sole poor. - also caught 1 starry flounder -

FISHING RECORD

BOAT _____

MONTH _____ DAY _____ YEAR _____

CAPT. _____

DEPTH Start / End	TYPE OF BOTTOM Start / End	COMPASS COURSE	CURRENT SET	TIME ON BOTTOM Start Fish	TIME ON BOTTOM Start Haul	TIME ON BOTTOM Diff.	TOWING SPEED	SHELLFISH: KING CRAB No. Male	SHELLFISH: KING CRAB No. Female	SHELLFISH: OTHER (List kinds)	FISH: HALIBUT Legal Size	FISH: HALIBUT Under Size	FISH: GRAY COD	FISH: WHITING	FISH: FLOUNDER AND SOLE Yellow Tail	FISH: FLOUNDER AND SOLE Rock	FISH: FLOUNDER AND SOLE Starry Flounder	FISH: FLOUNDER AND SOLE Flat-head	FISH: FLOUNDER AND SOLE Lemon	FISH: FLOUNDER AND SOLE Sand	TOTAL POUNDAGE FLOUNDER AND SOLE
			Boxed FISH FROZEN (AIR) FOR SEATTLE 10/15/48																		
			685 lbs SOLE																		
			12	Horseshoe Crabs						16	Shrimp										
			2	King Crabs						~~3~~ 4	Scallops										
			4	" "						1	Chix HAL										
			1	Female KC						1	Med HAL										
			4	Baby KC						20	BABY HAL. (TINY.)										
			BRINE FROZEN —							125 lbs Sole.											
										8	SILVER SALMON										
										1	Red "										
										1	Silver " (dressed)										
										1	Chix HAL										
										1	Med HAL										
			Salted Codfish																		
				300 # (Boxed)																	