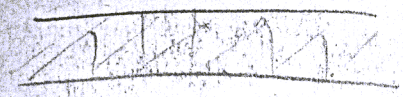
1957

Cleaver

Log.

MITROE 1957

nimbus



14th
16 – 17th
15th

18
20

8th

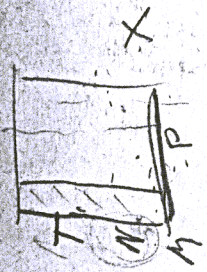
9th

12th nite leave Unalaska

14th

92.50
4 | 370
36/10

8
29
37

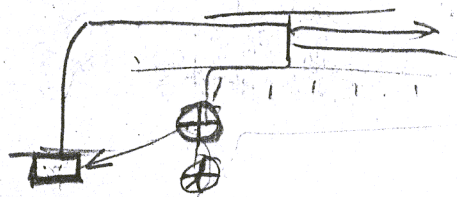


2.

1½
7

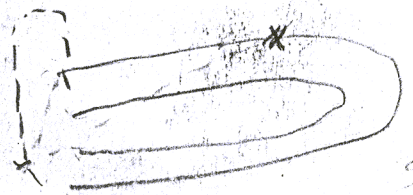
6/26
56°20'x163°24'
46 f

FWS
Director



Unit
BPA Ind FWS

6000
50
300000



5000
5000
250000
0
500

7530-237-8428

(53-B-22315)

Federal Supply Service

A B C D E F G H I J K L M N O P Q R S T U V W X Y

7554	7555	= 1 mi
6289	6290	
	1265	

6289	6290	= 1.1 mi
5098	5099	
	1191	= 1.1

5098	- 5099	= 1.0
3472	3473	
	1626	= 1.0

3472	3473	= .8
	2374	
	1099	

2353	2374	
1198	1217	
1155	1157	= .8

① Check on movie film
let Tak know if needed before
July boat. – Check cameras

② make sure frank brings
meters back –

③ Get radar buoys rigged

1. on Sta
2. drop buoy
3. Set net with wire meters
4. Set net with roller
5. read meters at 5 min.
6. read wire spread sim.
7. Retrieve gear
8. a. measure & tag crabs
b. get crew lined up.
9. Take hydro sta
10. Pick gear

TAK – Pics on whales
Wire measure

.625
64) 40.000
384
160
128
320

..625

.4
100) 40.00

aux = 64 / ~~100~~ 40'
diff 250 in 100'

779 - 679 = 100 diff in 40'
~~899 - 780 = 119 diff in 40'~~
780 - 680 = 100 diff in 40'

diff count 101 " " "
102 " " "

① Gear out to

① Put ~~boo~~ short wire on aux. count

② Use aux. count to determine ~~ratio~~ distance to 1st door & partial counts on other wire

③ subtract from total diff count

.0513 count
780) 40.00
3900
1000
780
2200

.0588
680) 40000
3400
6000
5440
560

1.6
40) 64
40
240

6-18
arr. Dutch Hbr.

6/19
Calibrated wire gadget

counter side to reel:
40' Calibration
counter side off side
000 - 221 (one at time) 000 + 679
diff. count 000 - 900
aux 64

counter side from reel

① diff count 101
② " " 102
Aux 000 - 936

counter side 780 off side 000 - ~~221~~ 320 680

Sent wire re gout wire or radio wire delivery

B C D E F G H I J K L M N O P Q R S T U V W X Y

Van Hagen
Cleaver

One side of differential wire meter moves counter at greater rate ~~than other~~ x Side nearest ~~[illegible]~~ counter gains x ~~250 in 100 feet~~ After pulling both wires ~~[illegible]~~ 100 feet ~~together~~ tally is 250 instead of zero x ~~Can correct with a~~

Any suggestions to fix x Can use auxilary counter to compute, but would rather read directly x →

1.6 count / foot
aux .625 '/ count

tally side .0513 '/ count
off side .0588 '/ count
diff ~~[illegible]~~ 2.5 count / foot
① read aux
② - comp feet out

60' spread + 1000' out
2500
1170
~~[illegible]~~
3670

780 in 40'
390
1170 in 60'

aux 1600
1000' on short
2500

3
1170
.0513
3510
1170
5850
60.0210

B C D E F G H I J K L M N O P Q R S T U V W X Y

6/20
wire gadget again

counter Gears	offside gears
40	40
21 - 15	21 - 14
1	14
28 - 24	30 - 24

1
1.905 - ~~2.667~~ 1.905
1
1.021 - 1.021

1
1.905 - 1.905
1.905
.890 - .890

4
6.80
1.15
3400
.680
680
78200

1.905
21) 40
21
190
189
100

1.4
15) 21
15
60

3
1.905
1.4
7620
1905
2.6670

.536
4
28) 15.00
140
100
84
160

4
1.905
.536
11430
5715
9525
1.021080

.467
30) 14.000
120
200
180

3
1.905
.467
13335
11430
7620
889635

1.15
6
.890) 1.021
890
1310
890
4200
3560
6400
6230

B C D E F G H I J K L M N O P Q R S T U V W X Y

6/21 (Fri)

Were meter again
switched gear ratio to
1:1

40' run
Aux 64
one were not in wheels

40' run
Aux 64
main 000
off — 000-273 (727)
on 000-273

40' run
Counter side backwards
000-272 (728)

off side Backwards 725 (725)

40 run reading from drums
off side 000-274 726
on side 274 to 001 726

726 count in 40'

```
  .3        .0551
726 ) 40.000
      3630
      3700
      3630
       7000
```

```
  2        .625
64 ) 40000
     384
     160
     128
     320
```

.0551 feet / count on main —

.625 feet / count on Aux

Gave Tom a FPO
for Rent until June 27
(5/27 to 6/26)

C D E F G H I J K L M N O P Q R S T U V W X Y

6/22
mitkof in about 1:30

6/23 rigging mitkof

6/24
left Ketchikan
4:15 P.M. for
1st sta. Running
1st leg backwards

6/25 – STA C-5

~~1158~~ mower at 1198 / 2353
1157 left 1217 / 2374
6090

Gear over 7:59
Broke measuring wire
on set ; 175 f wire on trawl

61 fathoms towing N.E.
Calm sea
55° 40' × 165° 14'
Start hauling 0830
Towed 0.8 mile on Radar
Wire came loose on
wire measure gadget
& lost 90° pipe -
rerigged

2374	2353
1217	1198
1157	1155

31
5.263
1155
26315
26315
5623
5623
6474.765

298 + 29
tagged A72-99
while running
for Sta C-6

C D E F G H I J K L M N O P Q R S T U V W X Y

1 sea lion & Birds on
Sta C-5 -

Saw Sea lions - 2 &
several whales
millions of whale birds
leaving Hatch. 5780 }
6053 }

C - 6 55°40' x 164°36'

305 on meter
1626 on Aux 12:57

17'5½" - 160 f wire
55 fathoms

283 on meter
1625 on Aux

292 on meter

1628 on aux

292 13:12
630

2

240 & 1629 (13:20)

Ended up with + 266
unmetered wire on short
side?

550
5

~~1099~~ Lawmower
1098 ~~371~~ ~~343~~ 3473 & 3472
5779 Towed 1.0 mile on Radar
towed 0° mag.
Sea Lion* on
station -

Tagged on Sta 40 Crabs?

Tagged A100 - A138

41♂ 28♀

C D E F G H I J K L M N O P Q R S T U V W X Y

Sta C-7 6/25
55°40' x 164°00'
Meter Read 930 just before breaking —!

17' 6" - If back from block
17' 3½" in block

140 f of wire out - 53 f

25
700
280
12) 350.0 (29.2
24 17.4
110 46.6
108
20

.930
.055
4650
4650
1150 (42.6
12) 5
48
31
24
71

3

17' 5½" Spread at lift on wires

1626 1626
8558 5098 X 5099 on mower
Towed 1.0 mile on radar towed 50° mag.
Tagged A139 - A150

12♂ 22♀

Fair weather all day light to Mod N.E.

Wire meter didn't work so well;
broke both wires 1st tow
1 wire 2d tow & Both on 3d

C D E F G H I J K L M N O P Q R S T U V W X Y

6/26
D-7
Up Anchor about 7:30
Run 4 mi back to Sta

994 x 329 on aux

Cross current!
~~20~~ Stbd wire out 5' in 1 f.

1015 just before
pickup & 1359
6268
Lawnmower 6289 x 6290 (1191 1191)
Towed 1.1 mile
140 f wire out 50 f deep
Towed 0° mag.

125# catch
Snails + 1 big Thalchthys

45 ♂ ~~9 ♀~~ (13) King crab

Tagged A151-A195

56°00 x 164°00'

6/26 Sta D-8
Wire broke on meter
while setting -
Towed 350° mag.
131 f wire out
49 f water
6658 56°00 x 163°24' (1265 ~~1191~~ 1265)
Lawnmower 7554 x 7555
Towed 1 mi on radar

175# catch
7 tanner
11 king ♂ ; 38 king ♀
1 sm. cod
60# yellowtail
2 lemon sole
1 smelt

C D E F G H I J K L M N O P Q R S T U V W X Y

6/26 - Sta E-8

meter 964 & any

17'6" on Cable at 1f

Wire Broke on meter

130 f cable out
water 45-47 f deep
towing 0° mag
1394 8949 x 8948 on Mower 1394
7337
56°20' x 163°24'

40/281 281 ♂ & 35 ♀ king crab
25 tanners
25# sole

Ran to E-9 for night

Tagged A205-A460

6/27 - E-9

17'7" at 1f
130 fathoms wire out
44 f of water Towed 135° mag.
~~##~~ estimated 1 mi tow
6305 10147 x 10146 1198
Set 8:25 hauled 8:55
200# left - Sloppy

9 ♂ King
21 ♀ King
60 Tanner - mostly small
50# yellowtail sole } 50% marketable
50# - lemon
2 small codfish

D E F G H I J K L M N O P Q R S T U V W X Y

E-10

56°23' x 162°14'
Towed 140° mag
Set 11:57 hauled 12:27
930 on meter

17'2 3/4" between blocks
17'7" between 1 f down

120 fathoms of wire
set in 41 fathoms
6579 1250 1251
11397 x 11397 on mower

150# lift
2 halibut
A511 & 4'4 1/2" ♀
1-45#
46 ♂ 10 ♀ King crab
3 hairy
5 large Bullheads
15 tanner - mostly small
30# sole - 50% market

6/27
F-10
Gear down 4:20
up 4:50
120 f wire out ~~40~~ 37-41 f water

56°38' x 162°16.5'
Towed 160° Mag
6426 12619 1222 x 12618 1221 lawmoor
175# lift
20 king ♂ + 32 king ♀
60# sole
lots of sponge
50# of various starfish

D E F G H I J K L M N O P Q R S T U V W X Y

6/28
F-11

17'6½" at 1f down
45-43 fath 130 f. cable
at 8:38
6121 1163 Lawnmower
13782 X 13782
1.[redacted] mi on radar
gear down 8:27
Gear up 8:57
56°39.5' X 161°16'
250# left
9 King Crab ♂
32 King Crab ♀
120# yellowtail sole
30# lemon sole (50% market)
10 tanner

Tagged A 527-533

10

6/28
G-11

Set 12:36 left 13:18
17'3" between blocks
17'6¾ 1 fathom down at set
120f. wire out
17'6¾" after 30 min
5805 1103 37-36 fathoms 1105
14885 X 14887 on mover
taking water? - set to 87
towed 20° mag
Halibut TAG A-553
56°55' X 161°24
175# left
22 King Crab male
49 King crab female
2 hairy
1 football
100 Starfish
9 Ballheads
70# yellowtail
10# Lemon Sole 50% market
7 fieldmice (agonids)
1 sm. halibut

Tagged A534 - A552

11

D E F G H I J K L M N O P Q R S T U V W X Y

13872
12618
1254 = 1 mi on radar F.11

7455
6290
1165 = 1 mi on radar D-8

6290
5099
1191 = 1.1 mi on radar D-7

5099
3473
1626 = 1.0 mi on radar C-7

3473
2374
1099 = 1.0 mi on radar C-6

2374
1217
1157 = 0.8 mi radar C-5

5.26
19/100
95
50
38
120

1254
526
7524
2508
6470
679604
6800
6100

17 2/3 3/4
17 6/2

650
2.75
3.75
130
000
1125
375
48750

40.6
17.5
571

D E F G H I J K L M N O P Q R S T U V W X Y

G-12 (6/28

Gear over 16:37
Start haul 17:07
17'2½" & 17'6" - 1 f apart
at Set
17'6¼" at 1700
8237 ~~1567~~ 41-43 fathoms 1565
16452 X 16452 on mower

57°00 x 160°57'

29 King crab males (one w 3 claws)
88 " " females

3 footballs
7 fieldmice
100# yellowtail
10# lemon sole
1 codfish
2 hairy crabs
50# onions
1 turbot

Tagged A554-577

6/29
G-13

17'2¾" at Block } at setting
17'6½" 1 f. down
120 f wire out
39 f deep - 36½
17'7¼" at 7:56
Gear over 07:30
6553 Gear up 08:00
1245 17697 X 17697 1245 on mower

Sm. Hal tagged A592, 593, 594.

57°00' x 160°21'
towed 130° mag

17 ♂ + 36 ♀ King Crab
3 Small Halibut A592, 593, 594
100# yellowtail sole
10# lemon sole
12 bullheads
3 hairy crabs
7 footballs
Clam shells
9 fieldmice

Tagged A578-591

D E F G H I J K L M N O P Q R S T U V W X Y

TAK MIYAHARA, U.S.F.W.S.
To ~~C.E. Atkinson~~
2725 Montlake Blvd
Seattle, Wash.

~~Mitkof contract completed through June 29x ~~Will~~ ~~Tordenskjo~~ When will Tordenskjold reach Sand Point~~

Mitkof contract completed through June 29x EXPECT TO MEET DAVENPORT REPLACEMENT UNALASKA JULY 9x DAVENPORT WILL CATCH JULY 10 (PLANE TO) SANDPOINT TO MEET TORDENSKJOLD ON JULY 15x FINISHED STATIONS C-5 through I-12x 600 tagged.

SEND 10 balls mending ~~bet~~ becket to Mitkof VIA PARAGON.

Cleaver

H-13 6/29/57

17'3" to 17'7" at 1 fathom
At start 101 fathoms of wire; 33 fathoms deep
17'6½" at 11:23 just before haul
6632 1226 1226
18923 X 18923 on mover

~~57°00' 161°21'~~ Set 10:54
57°20' 161°19' hauled 11:24
Towed 110° mag

108 & 674 King crab
17 hairy crab
4 field mice
few onions
5 bullheads
65# yellowtail } 10% market
5# lemon sole }
little sponge
1 football

Tagged A595-601

H-12 6/29/87

Set 13:54
hauled 14:26
17 3¼" X 17'8" at Sett
92.5 fatoms
31 fa deep.
17'7¼" on left

Humpback whales near
Sta

6800 1292 1293
20215 X 20216 on Mower

57°20' x 160°56'
Towed 140° mag

20 ♂ & 78 ♀ King crab
5 bullheads
7 hairy
12 field mice
& footbell
few snail shells
5% market { 70# yellowtail
5# lemon
1 big jellyfish
few onion
1 large sponge

1 big Codfish
1 sm. Codfish
2 sm Halibut
A618 & 619

Tagged
A602-617

15

I-12 6/29

17'3¼" X 17'8¼" at Set
91 f mid out 28 f deep
17'6¾" at left

7358 1398 1399
21614 X 21614 on Mower

57°40' x 160°54' Towed 120° mag
Gear down 17:12 - 28 f
" lift 17:42 31 f

17 ♂ & 70 ♀ King crabs
2 Small halibut A634 & A635
12 hairy crab
2 footbalis
100 hard starfish
11 Bullheads
2 sm sponge
clam shells - a few
80# yellowtail } 10% market.
3# Lemon
3 field mice

Tagged A620-A633

16

E F G H I J K L M N O P Q R S T U V W X Y

Pioneer G.T. 6/29

Hanavan - FWS - 2725 Mont Lake
Pioneer set 7 - 56° - 175° W
29 June 7.6°; 0 reds 7 chums 57
pinks 217; ~~[illegible]~~ 281 total
Blood samples 5 reds; 14 chums
9 pinks; setting again on
same station - Tananaka

6

To Mitkof
Cleaver
Tordenskjold ETA
Sand Point about July
15 advise whether
Weber to replace
Davenport at Unalaska
or Sand Pt
Tak

5,
m

6/30
Sta ~~I-12~~ I-11

17' 3 3/4" to 17' 9" at Set
77 fa wire out
17' 3" to 17' 7 3/4" at haul
7679 27 fath to 28 fathom
1459 23073 x 23074 1460 on mower
Set: 07:27
Hauled: 0800
Towed 25° Mag.
57°40' x 161°21'

15 ♂ + 41 ♀ King Crab
1 sm. hal. A-649
16 hairy
12 Bullhead
150# yellowtail - small
10# small lemon
150# hard Stars
8 field mice
6 Basket Stars

Tagged A636-648

17

E F G H I J K L M N O P Q R S T U V W X Y

6/30
Sta H-11

17'8" between wires @ 6ft
80 f wire out 25f water
17'3½" to 17'8½" at haul

2 Sea lions on Station
8342 1585 1585
24659 × 24658
57°19' × 161°34' Towed 180° mag
Set 10:58 @ 26f
Hauled 11:28 @ 27f

175# catch
8 ♂ + 4 ♀ King crabs
6 Bullheads
90# small yellowtail
2# lemon
5 hairys
2 tanner
80 starfish
25 Basket stars

Tagged A650-655

18

6/30
H-10
Large flock whalebirds between H 10 & 11
whales on H-10 - Birds - whale & jaeger
17'1¾" to 17'7"
76 fath. wire out
Set 25f of water
8800 17'7" at end of drag
1672 26330 × 26332 1675
57°20' × 162°16'
Towed 260° mag.
Set 1409 25f
hauled 1449 26f
145# catch

7 ♂ + 2 ♀ King Crab
2 snail eggs
7 Bullheads
50# yellowtail
2 hairys
Clam shells
100 small hard stars
1 small cod
3 field mice
50 basket stars

Tagged A656-659

19

E F G H I J K L M N O P Q R S T U V W X Y

6/30

G-10

Whale Birds & Porpoise on way & 4 whales - all way

G-10

at 17'4" x 17'9¼" at 1 fath

75 f wire out

25 f. at set

hard 17'3¼" x 17'9" at pickup

6895 1310 1311

27642 x 27641

6

57°00' x 162°15'

towed 220° mag.

17:46 set 26 f

18:16 hauled 28 f.

15 ♂ + 26 ♀ King Crab

1 sm. Halibut A673

5 Bullheads

60# yellowtail } 50% market

5# lemon }

17 field mice

24 hard stars 5 hairy

18 Basket Stars lots of

1 turbot rainbow smelt

1 jelly fish O. mordax ?

Tagged A660-672

20

7/1/57

F-9 - Sm. whale on sta

17'4½ x 17'8" at set

91 f wire out 30 f wire

17'8" at haul

6653 1264 1264

28905 x 28906

Set 0746 in 30 f

hauled 0816 in 29 f

56°40' x 162°47'

towed 270° mag

100# catch

9 ♂ + 5 ♀ King crab

200 hard starfish

15# yellowtail 10% market

8 Basket stars

Sole are spawning or just finished & very thin

Tagged A674-679

21

F G H I J K L M N O P Q R S T U V W X Y

7/1/56
G-9 - Birds on sta
17'3½" to 17'8½"
25f water 76f wire
17'9" at 11:25
6695 1272 1272
30177 x 30178
½ hr. tow - picked up about 11:30
57°00' x 162°47'
towing 290 mag

6

10 ♂ + 6♀ King Crab
1 hairy crab
6 Bullheads
Clamshells & rainbow smelt
10# yellowtail } all small
2 only lemon }
3 Basket stars
5 field mice
100 small starfish

A 680-687 tagged

5
m

7-1 Feathers all day! about ocean
H-9 — whalebirds
17'3½" x 17'10" at set
61 fw wire out
23 fathoms depth
7395 17'9¾" at 14:30
1405 31582 x 31583 1405
Set about 1405 - 1435±
57°20' x 162°46'
Towed 220° mag
150# catch
4 ♂ + 1 ♀ king crab
15 Bullheads
70# yellowtail small
5# lemon sole 50% mkt
3 hairy crabs
120 hard star fish

many small squids & rainbow smelt

none tagged - all stomach samples

F G H I J K L M N O P Q R S T U V W X Y

7-1 Sta H-8

Lousy with whole birds
on way to Sta H-8

17'3½" x 17'8"
75 f. out 26 f deep?
8063 17'8½" 1857
1532 33114 x 33115 1532 on Mower
Set 17:30 26 f
Hauled 18:00 26 f

6

70# catch
1000 small hard stars
20# small yellowtail
3# lemon sole mktble
1 jelly fish
3 Basket Stars

1 male king crab

none tagged

5
m

24

date From

TO, TAK MIYAHARA, U.S. Fish & WILDLIFE
2725 Montlake Blvd.
Seattle

FINISHED STATIONS C-5 through H-8 x About 650 tagged x Few crabs on North side x
ASK PARAGON TO PICK UP Mitkof meat at Sand Point ~~and Bring to Unalaska.~~ Cold storage and bring to Unalaska x ~~What is Paragon ETA Unalaska~~ x Ask Paragon to WIRE ~~ETA Unalaska~~ Mitkof his ETA Unalaska.

FM - Fred Cleaver

02

~~Routine~~ - Govt Wire
Date Time
From
To
Text

F G H I J K L M N O P Q R S T U V W X Y

7-2-57

Jaegers Pt [illegible] Sta G8
Blackfish on Sta [illegible]
17'3¼" x 17'8" at Set
79f wire 32f water
17'7½" at pickup.
6079 [illegible] [illegible]
34269 x 34270
57°00 x 163°19' — Towed 180° mag
Set 07:38 29f
Hauled 08:08 33f

15 ♂ + 4 ♀ King Crabs
150# yellowtail } 50% Marketable
25# lemon }
300 hard starfish
24 bullheads
18 fieldmice
6 Basket stars
6 only flathead sole
2 hairy crabs
a few Brittle stars

Tagged A686-699

S
n

25

Sta F-8 7/2/57
Sea Lion on Sta
17'3½" x 17'7½"
94f wire out 36f wire
17'7½" at 11:31 haul
7174 35629 x 35633
adjusted both to 35633
56°40' x 163°24' Towed 160° mag
Set 11:01 36f
Hauled 11:32 38½f

14 ♂ King Crabs
45 tanner
1 hairy
1 turbot
3 flathead sole
5 Bullheads
20 Brittle stars
20# small yellow tail
Snail shells

Tagged A700 to A708

26

F G H I J K L M N O P Q R S T U V W X Y

7-2-57 Sta-E-7

17'2¾" X 17'6" at 1507
120f wire 41f
6878 17'5" at 1529
36904 X 36905
56°20' X 164°00' Towed 342° may
Set 15:03 41
Hauled 15:33 40
100# Catch

21 king crabs male - all large
24 tanners
few snail shells — clams in haul
1 flathead
40# small yellowtail
1 sea cucumber
1 turbot
12 Basket stars

Tagged A709- A724

7/2/57 STA F-7

17'3¼" X 17'6½"
120f wire 38 fathoms
6879 17'6" at 18:27
38211 X 38212 on mower
56°40' X 164°03' Towed 80° May
Set 18:05 38f
Hauled 18:35 39

12 king crabs males
100 tanner crab
7 snail eggs hatched
Clams & clam shells
3 Bullheads
40# yellowtail } 10½ mkt.
3# lemon
2 Pollack
1 eel
1 turbot

Tagged A709- 724

G H I J K L M N O P Q R S T U V W X Y

7-2-

To Cleaver - Milkof - Unalaska
via Calif [illegible]
Paragon will deliver
Milkof Meat x Present
ETA Sand Pt July 14 x
Unalaska July 16 x whether
ETA Unalaska July 14
Tordenskjold ETA
Cold Cold bay to get
Johnson about July 15
ETA Sand Point
about July 16 x more info
after talking to Serwold
tomorrow
TAK

STA G-7 7-3-59 for seal
Blackfish on [illegible]
17' 3½" x 17' 8"
92 f 34½ f
17' 7½" at 07:56
7605 1445 1445
39656 X 39657

57°00' x 164°00' Towed 300° mg

Set	07:30	34½
Hauled	08:01	34

7# lemon sole - large
125# yellowtail small
Snail eggs
14 Bullheads
12 tanner crabs
1 flathead
2 snail shells
1 male King Crab

none Tagged

STA H-7 7-3-57 swarms
Feed & birds on sta - Euphausids?

17'3¾" x 17'8½"
80f wire 28f water
17'8¾ at 1100
1270 40926 x 40927 1270
6684 Sale near surface
feeding on [illegible]
Saw degens

6

57°20' x 163° 49.5' Towed 270 mag
Set 10:34 28f
Hauled 11:04 28f

300 only hard star fish
rainbow smelt
12 Bullheads
120# yellowtail small
40# Lemon large
snail eggs
3 fieldmice

5
n 1 Male King crab
none tagged

STA - G-6 7-3-57 or 7 col
Skipped H-6 - no crabs on H line

17'3½" x 17'7¼" at Set
110 fathoms 36f water
17'6¾" 1361 at 15:24
7163 42287 x 42288 1361 on [illegible]

57°00 x 164°37° Towed 180° mag

Set ~~14:15~~ 14:57 36f
Hauled 15:27 37f

100 small tanner
snail eggs
70# small yellowtail
20# lemon large
1 Turbot
2 shrimp
11 Bullheads
2 small halibut

no King Crabs

G H I J K L M N O P Q R S T U V W X Y

F-6 7-3-57

Skipped G-5 because of G6 & G-7

17'2 1/2" x 17'5 1/2"
121 f 39 f
17'5 3/4" 18:25
7179 43652 x 43652 1364 on Mower

56°42' x 164°36' Towed 170° mag

Set 17:56 39 f
Hauled 18:26 40 f

60 tanner crabs
50# small yellowtail
10# Lemon large
50 hard starfish
8 egg balls - snail
Clam shells
5 Snail shells

No King Crab!

E-6 7/4/57

Skipped F-5 because of 5-6

17'2 1/2" x 17'5" at 1f at 0744
17'4 3/4" at 0810 131 f & 43 f
1331 44983 x 44985 1364 on mower
7005

56°20' x 164°36' Towed 250° MAG

Set 7:43 42 f
Hauled 8:13 43 f
150# Catch
36 ♂ King Crab
50 tanner
4 pollock
18 Hard Stars
Snail egg cases
7 Basket stars
Snails
70 Pounds yellowtail 5% mkt
1 turbot
1 skate
3 Bullhead
5 Fieldmice
Tagged A732 - A762

G H I J K L M N O P Q R S T U V W X Y

7-4-57 D-6

150 fathoms wire 50 f water

17' 4½" to 17' 7½"

173" to 17' 5½"

1513 1513

7763 46476 x 46478 on mower

56°00' x 164°36' Towed 270'

Set 10:52 50 f

Hauled 11:30 50 f

125# Catch

40 ♂ King Crabs

70# Pollock

Snail Shells

6 Basket Stars

3 footballs

9 tanner crabs

Shrimp

2 Bullheads

Tagged A763 to A796

D-5 7-4-57

17' 2½" x 17' 5½" at 1 f

150 f wire & 5 f water

17' 2¾" x 17' 5½" @ 14:45

1287 47783 x 47784 1286

6768 56°00' x 165°13' Towed 300° mag

Set 14:18 50 f

Hauled 14:48 52 f

100# Catch

12 ♂ King Crab

4 Bullheads

snail Shells

1 eel

8 tanner

10# small yellowtail

1 liparid

1 skate

40# Pollock

3 turbot - small

25 Basket stars

1 field mouse

a few little shrimp

Tagged A797 - A803

H I J K L M N O P Q R S T U V W X Y

E-5 Station on sta-
17'2½" x 17'6½" at 17:25
136f wire 44 fath water
17'3" x 17'6" at 17:50
1350 49133 x 49135 1351
7105 56°20' x 165°13'
Set 17:24 44 fath
Hauled 17:54 44 fath

39 ♂ Male King Crab
Empty Snail eggs
24 hard stars
1 skate
snails & shells
14 Basket stars
3 Pollack
few shrimp
10# small yellowtail
2 Bullheads
Clam shells
2 only lemon sole large

Tagged A-804 to A837

Goutwire Routine
~~0500~~ 5-7-57 0500
Fr. Cleaver MV. Mitkof
TO TAK MIYAHARA
U.S. Fish & Wildlife Serv.
2725 Montlake Blvd.
Seattle Wash.
~~Co~~ Text:
Completed 36 stations.
~~Anchored~~ Now on E-4 x Send
more needles and bucket
thermometers.
Phone [illegible]

808 + 7 [illegible] x

H I J K L M N O P Q R S T U V W X Y

E 4 - 7/5/57

17'3½" x 17'8" at 1f
110 f wire 43f deep
17'3½" x 17'7" at 0800
6833 50435 x 50437 1302
56°20' x 165°49' towed 260° Mag
Set 07:31 42f
Hauled 08:03 45f
4 male King crab
70 tanner crabs
2 skates
empty snail egg
60# pollack
15# yellowtail - small
5# large lemon sole
3 bullheads
2 turbot
2 only flathead
5 codfish 1 lge
1 small devilfish
snails (10-20
32 Basket Stars
15 hard stars
1 lysarid

D-4 - 7-5-57
17'2¾" x 17'5½"
135f wire 48f
17'1¼" x 17'4" at 11:00
1224 51659 x 51661 on mower
6442 56°00' x 165°49' towed 167° Mag
Set 10:34 61f
Hauled 11:04
3 male King crabs
40# Pollack
15 hard stars
1 skate
7 turbot
6 Bullheads
32 Basket Stars
12 tanners
Snails
1 flathead
100# catch

H I J K L M N O P Q R S T U V W X Y

C-4 7-5-57

Frequent kelp, logs, trash between Q4 & C4 - First since starting logs

17'2 3/4" x 17'5 1/4" 14:11
160 fathoms wire 61 + water
17'2 1/2" x 17'5"
1240 52899 x 52902 Oil Mower
6526 55°40' x 165°49' Towed 270 may
Set 14:05 61
Hauled 15:35 61
3 King Crab males
100 Basket Stars
12 Eulachon
15# turbot
10# flatheads
2 Skates
4 bullheads
40 hard stars
2 shrimp
1 lge Halibut
100# catch

B-4 - 7-5-57

1 Sea lion on sta.
17'3" x 17'6"
165 f wire 62 fathoms water
17'3" x 17'5 3/4 17:42
1175 54074 x 54077 11 on power
6184 55°20' x 165°49'
Set 17:15 62 f
Hauled 17:45 64 f.
100# catch (3-400# wt)
7 King crab males
1 hairy
1 spider
1 tanner
8 Eulachon
50# Turbot 1/3 mkt
15# flathead
100 Basket star
15 hard stars
10 Bullheads

Tagged A 838 & A 839

H I J K L M N O P Q R S T U V W X Y

B-5 7-6-57

4 Fur Seal between B4 & B-5
Sea lion & Dunkie on Sta
17'2¾" x 17'5½" at 6 ft.
140 f wire 55 f water
17'3" x 17'5" at 07:45
44155223 x 55225 1148
6042 55°20' x 165°12' Towed 74° mag.
Set: 7:20 55 faths.
Hauled, 7:50 54 faths
400# Catch
20 ♂ King + 34 ♀ King
100# Pollack
15# turbot
15# flathead
500 Basket Stars
6 tanners
3 Bullheads
1 small halibut
Tagged A 840-856

7-6-57 - B-6
Large whale on [illegible]
10:25) 17'2" x 17'4¾" at 6 ft
131 f wire 46 f water
17'2¼" x 17'5" at 10:21
18115 7094 x 57098 on [illegible]
9847 adj Both to 98 - one counter
is beginning to show considerable corrosion on the dial
55°20' x 164°36'
Set : 10:23 47 f
Hauled : 10:59 47 f
300# catch
54 ♂ + 5 ♀ King Crab
5 Pollack
14 tanner
5# turbot
2 Bullhead
35 Basket Stars
2 skates
4 Clumps sponge
4 old snail shells

Tagged A 857-A 907

I J K L M N O P Q R S T U V W X Y

B-7 7-6-57
17'3" X 17'6" at 1f
152 f wire out 52f at 14:31
17'3" X 17'5 3/4" at 14:58
1402 58506 X 58505 on Mower
1401 55°25' X 164°00'
Set : 14:30 52f
Hauled : 15:00 48f
125# catch
6 ♂ + 2 ♀ King
40# sponges (140#)
1 skate
12 tanners
2 Bullhead
2 Pollack
10# flathead
5# turbot
2 lemon sole
3# small yellowtail

None tagged

B-8 7-6-55
17'8 1/2" X 17'3" at 17:58
81 fa wire 28 fath water
17'3 1/2" X 17'8 1/2" 18:25
6600 32 58537 X 59760 1254 on Mower
55°20' X 163°24' towed 60° mag
Set - 17:57 28f
Hauled - 18:27 28f

6 ♂ King crab
1000 hard stars
12 fieldmice
6 tanners
5# small yellowtail
6 only large lemons
3 bullheads
18 sponges w. hermit crabs

Ron by Amak. no idea how many Sea Lions - Counted about 300 which is probably not 1/4 of those present on Ils. & rock.

I J K L M N O P Q R S T U V W X Y

7-7-57 D-9
Sea lion on sta,
17'2 3/4 X 176 1/4"
111 f wire 42 f water 0737
17'3 1/2" X 17'7"
slopped 58538 X 61425 1665 on mower
8 [illegible] 56°00' X 162°48' towed 160° mag.
Set 07:36 42 fathoms
Hauled 08:06 44 fathoms
75# ~~catha~~ catch
5♂ + 8♀ King crab
60 hermit crabs in sponge
4 hairy crabs
6# turbot
5# Small yellowtail
8 Tanners
4 Bullheads
6 Starfish

None tagged

C-9 - 7-7-57
Sea lion on way to C-9 Sea lions seal & many whale bird on sta
17'3 1/4 X 17'9 1/4" ~~73~~
73 f wire 25 fathoms
17'3" X 17'9" at 1100
1114 62539 on mower
5863 55°40' X 162°50' towed 260° mag
Set : 10:34 25 f
Hauled : 11:04 25 f
100# catch
2 ♂ + 10 ♀ King crabs
20 Bullheads
10# Small yellowtail
250 hard stars
3 tanners
3 hairys
1 football

none tagged

I J K L M N O P Q R S T U V W X Y

7-7
Gout Wire Routine
7-8-57 Z 2000
Fr F Cleaver. MV Mitkof
to Tak Miyahara, U.S. Fish & Wild
life Serv. 2725 Montlake Blvd.
Seattle, Wash.
Send new roller counter.
Need for next leg. 48 Stations
completed; 900 Tagged x ETA
Unalaska 9 July x ANY NEWS
on ~~progress~~ ETA ~~For~~ PARAGON x

C-8 7-7-57
17'2¼" x 17'5" (13:35)
141 f — 44 fathoms
17'2¼" x 17'5¼" 13:[illegible]
1199 63738 on mower
6311 55°40' x 163°24' towed 260° Mag
Set : 13:34 44 f
Hauled : 14:04 44 f
16 ♂ + 14 ♀ King Crab
50 tanner
30 hermits
4 hairys
10# Small yellowtail
3 hard stars
Old snail shells
4 Bullheads
1 fieldmouse

Tagged A 916-929

I J K L M N O P Q R S T U V W X Y

7-8-59 A-6

Birds, Sea lions 8-10 - whales 5 near Amak

17'3" X 17'7 3/4"

94 f. wire 37 f water 0842

17'3 1/4 X 17'7 3/4 0906

1166 64904 on Mower

6137 55°00' x 164°37' Towed 240° Mag

Set 08:39 36 f

Hauled 09:09 40 f

1 ♂ King Crab

1 sm. Halibut

10# Small yellowtail

14 sponges

1 hairy

1 tanner

2 field mice

2 ♂ Bullheads

3 hard stars

Halibut # 11930

~~A-7~~ A5-7-8-57

whales - Fur Seals - Birds

17'3 1/2" X 17'6'

170 f wire 62 f

17'3" X 17'6' 11:57

1842 66746 on mower

9695 55°00' x 165°13' Towed 300° Mag

Set 11:24 62 f

Hauled 11:04 62 f

6 ♂ + 15 ♀ King Crabs

2 Shrimp

1 pollock

6 Turbot

3 tanner

1 hairy

50 Stick fish head and miscl.

2 Only yellowtail

3 Bullheads

6 Basket Stars

2 nudibranchs

I J K L M N O P Q R S T U V W X Y

50

A-4 7-8-57

17'2¼ x 17'4½" at 14:53
210 f. wire 69 f water
17'2¾" x 17'4¾" at 15:16
1262 68014 on mower
6674 55°00' x 165°48' Towed 250° mag
Set : 14:50 68 f
Hauled : 15:20 70 f
9 king crab ♂
1 lge scallop - St Roberts Type
3 eels -
many shrimp
10# turbot
5 tanners
30 anemones.
5 Bullheads
1 Eulachon
1 Pollock

Left for Unalaska 15:45

50

7-9-57
Arr. Unalaska. Picked up Doug
7/10
Day off - Blowing
7/11
Worked on Gear - Blowing

I J K L M N O P Q R S T U V W X Y

7/13 – Illiulink Bay

(1) Towed 8' trawl from Spithead north to Dolphin 3-15 f
1 sm. King Crab 10-15
small tanners, soles, clam shells, etc – maybe 50# total

(2) Dolphin to red Buoy beside kelp – 75# lift kelp, 1 bullhead, soles, shrimp (Crag sp.

(3) Spithead to Dolphin 500# kelp 8 kings tanners, old crabs – shrimp – red shrimp

(4) Spithead ½ way to Dolphin in kelp –
much kelp, a few shrimp & 1 king crab

(5) Dolphin 2/3 of way to Spithead 300# kelp (wet) red shrimp & 1 sm king crab

(6) Spithead to Dolphin 500# [illegible] on & drag mud – sour! 5 king crabs, one of which was pinhead size

(7) Across from spithead bowing toward Unalaska; Caught 1 ♀ king with eggs – none other,

Total 16 juveniles for afternoon

J K L M N O P Q R S T U V W X Y

7/14/57

Halibut A931 & 932
taken in Gillnet in front
of Unalaska; Otoliths
taken from 28¼" ♀

Herring mostly spent
in catch at Unalaska
yesterday; June 23 they
were full of eggs & milt

Gol eyed herring eggs in
trawl yesterday

7/14

TO MIYAHARA.
Mitkof contract satisfactorily
completed through July 14, 1957.

no pinks in Creek yet

Left Unalaska for station
at 22:30

Paragon Arr. ca 20:30

J K L M N O P Q R S T U V W X Y

7/16/57 STA F-5

68024 X 58578
17'3" X 17'6½" at 1f
110f wire out 42f water 0727
17'2" X 17'5" at 0750
1500 60078 X 69524 1500
1895 57°40' X 165°13' Towed 60° mag
Set :07:22 42f
Hauled :07:52 42f
200# catch
2 King crab males
24 hard starfish
30 tanners
8 bullheads
40 Basket stars
1 skate
empty snail egg masses
5 pollack
65# yellowtail sole 10% market
24 only cod fish

7/16 STA I-8

Many whale birds, murres & Gulls 20 mi SW I-8
17'3" X 17'8¼"
71f wire 24f water
17'3¾" X 17'8¼"
1363 61441 X 70888 on Mower
7179 57°40' X 163°24' Towed 40° mag
Set 18:30 24
Hauled 19:00 25
400# catch
5 ♂ + 3 ♀ King crab
170# yellowtail - 50% market
10# large lemon sole
500 hard stars - small
30 Fieldmice
12 Bullheads
2 skates
17 Basket stars
2 footballs

Tagged A933-935

V L M N O P Q R S T U V W X Y

57

7/17/57 Sta I-9

17 23/4" X 17'7 3/4 at 1 f ~~0725~~ 0729
72 f wire 23 f water
17 3/2" x 17'7 1/4" at 0800
1288 72176 x 62720 | 279
6732 57°40' x 162°45' Towed 70° mag
Set : 7:32 23 f
Hauled: 8:02 23 f
400# catch
3 ♂ + 1 ♀ King Crab
200# yellowtail sole (50% Marketable)
10# large lemon sole
7 Bullheads
1 flathead sole
Empty clam shells
600 hard stars
empty snail egg cases
5 fieldmice
4 hairy crabs
1 skate

7/17/57
To Cleaver
From Miyahara 7/16/57

Hydrophone need 8 inches square by 5' protected boxes and extra cable; complete phone will need 4 rawl cable to lower. Advise whether feasible use this equipment

---

~~7~~ Gout wire routine
~~From~~ 17/7/57 — 2200
From Cleaver ~~Mel~~ M.V. Mitchell
To Miyahara ~~2725~~ U.S. Fish & Wildlife Service, 2725 Montlake Blvd, Seattle

On Station I-10 next station is J-10. Few crabs. Suggest holding hydrophone at Seattle.

53

Sta I-10 7/17

17'33 3/4" x 17'8 1/2" at 10:53
77 f wire 24 f water
17'3 1/2" x 17'8 1/4" at 11:28
1386 64102 x 73549 1373
1226 57°40' x 162°08' towed 242° mag
Set : 10:50 24 f
Hauled: 11:20 24 f
150# catch
4 ♂ + 5 ♀ King Crab
5 hairy crabs
70# yellowtail 50% market
5# lemon - medium
4 fieldmice
100 hand stars
7 Basket stars
rainbow smelt dropping from net

I was blue King

Tagged A936 - 938

Birds on Sta -
Sta J-10 7-17-57
17'2 1/2" x 17'10"
57 f wire 20 f water
17'3" x 17'8 3/4" at 14:16
1241 ~~7496~~ ~~740~~ 74796 x 65349 1241
6563 58°00' x 162°07' towed 70° mag.
Set : 13:54 20 f.
Hauled: 14:24 20 f.
300# catch (est 500)
6 ♂ + 15 ♀ King crabs
300# Several hundred hand stars
7 Bullheads
60# Yellowtail
5# lemon (small)
2 Clamshells
5 red crabs
3 fieldmice
2 Halibut no. A945 & 946

Tagged A939-944

7/17/57 K-10

Many Blackheads on Sta

17'2½" x 17'8¾" 17:08

72 f wire 25 f water

17'3" x 17'7¾" at 17:30

1237 66588 x 76034 1238

6516 58°20' x 162°07' towed 330° mag

Set : 17:02 25 f

Hauled : 17:32

250# catch

3 ♂ + 2 ♀ King Crab

500 hard stars

7 bullheads

65# yellowtail (50% market)

3# lemon sole (small)

12 field mice

2 brains

6 red crabs

9 halibut Tags A947-954

(One 9" fish went overboard)

7-18-57 K-11

17'4" x 18'0½"

56 f wire 18 f water

17'3¾" x 17'11½" at 0749

1365 77399 x 67953 1366

7184 58°20' x 161°30' Towed SW

Set : 0720 18 f

Hauled : 0750 20 f

150# catch

1 male King Crab (this appears incorrect - has eggs Tak)

several hundred small hard stars

10# yellowtail 50% mkt

empty clam shells

3 Eulachon

1 football

5 halibut Tags A955 to A959

L M N O P Q R S T U V W X Y

J-11 7-18-57
17'2 3/4" x 17'9" 10:32
71f 24f water
17'3" x 17'8 1/4" 11:56
(880) 68833 X 78559 1160
6105 58°00' x 161°30' towed 73° mag
Set : 10:30 24f
Hauled : 11:00
250# catch
15 ♂ + 49 ♀ king crab
50 footballs
30# yellowtail (50% mkt.
5# small lemon sole
200 hard starfish
12 red crabs
4 feldmice
7 Bullheads
1 hairy crab
5 halibut (1 otolith & tags A975-978)

Tagged King crabs A960-974

A 975-78 on Halibut

J-12 7-18-57
17'2 1/4" X 17'9 1/2" 13:39
72f wire x 23f water
17'2 1/4 x 17'8 1/4
1470 80029 X 70222
7737 7855
1470
58° x 160°52' Towed 73° mag
Set : 13:36 23f
Hauled : 14:06 23f
300# catch
32 ♂ + 38 ♀ king crabs
5 Halibut (2 tagged A3111-2 & 3 otoliths)
400 hard stars
6 footballs
4 hairy crabs
5 bullheads
100# yellowtail (30% market)
empty clam shells
many rainbow smelt
~~A~~ Tagged crabs A979-999 &
A 3100 - 3110

Halibut A 3111 & 3112

L M N O P Q R S T U V W X Y

60
saw Sea Lions or walrus 8 mi so of Sta.

K-12 7-18-57
millions of whale birds 5 mi so Sta.
17'4 3/4" x 17'4 1/4" 17:04
35f 11f water
Hung at 17:15 picked up
no tear
512 80541 x 70718 496
2615 [illegible] 70 [illegible]
12 [illegible]

58°30' x 160°52' Towed 5 mag
Set : 1702 11f
Hauled: 1716
100# catch + 200 pound log
6♂ + 13♀ King crabs
15# flounders med size
10# yellowtail (50% market)
1 sand fish
4 Bullheads
50 hard starfish
2 hairy crabs
2 only small lemon sole
3 Eulachon
Rainbow smelt
4 halibut all saved
Halibut A3119-3122

60

61

J-13 7-19-57
17'2 1/2" x 17'9"
70f wire 24f water
17'2 3/4" x 17'9" at 0747
1137 81678 x 71854 on mower
5984 58°00' x 160°15' Towed 73' mag
Set : 07:20 24 fath
Hauled: 07:50 25 fath
250# catch
48♂ + 38♀ King Crab
150# yellowtail (50% marketable)
5# lemon (Small)
2 halibut (1 old lith, 1-A3169)
9 Bullheads
8 Hairy
12 feldmice
2 brains
1 skate

Tagged Crabs A3123-3168

61

L M N O P Q R S T U V W X Y

J-14 7-19-57

17'1 3/4" x 17'8 1/4" at 10:44
71f wire 21f wake
17'1 3/4" x 17'7 3/4" at 11:04
1133 72987 x 82821 1143
6016 58°00' x 159°38' 71° mag.
Set 10:42 21 fath
Hauled 11:08 21 fath
225# catch
88 + 3 ♀ ♂ King Crabs
1000 hand starfish
40# yellowtail sole (50% mkt.)
11 Bullheads
5 Cherrys
Many rainbow smelt
1 football
empty clam shells
9 flounders
6 fieldmice
2 only small lemon sole
19 halibut (120to; Tagged A3178-84

19 halibut 7 tagged
Hal 3178-3184

Tagged Crabs A3170-3177

J-15 7-19-57

17'2 1/2" x 17'10" at 13:30
65f wire 20f wake
17'1 3/4" x 17'8 1/4" 13:55
1350 84171 x 74112 on mower
7105 58°00' x 159°00' Towed 70° mag
Set 1 13:28 20 fath
Hauled: 13:58 21 "
175# catch
1 ♀ King crab
500 small hard stars
50# yellowtail (50% mkt)
50# onions
3 only flounders
2 red crabs
1 football
1 hairy crab
7 halibut
(9 obelisks & Tags A3185-87)

M N O P Q R S T U V W X Y

I-15 7/19/57

Monyhirds, some salmon & a whale ½ way to I-14

17'3" x 17'8" 16:39

70 f wire 25 f water

17'1" x 17'7¼" 16:57

1101 85272 x 75143 1031

5775 57°40' x 159°02' towed 70° mag

Set : 16:33 24 fath

Hauled : 17:03 25 "

100# catch

300 Small hard Stars

2 ♂ + 1 ♀ King crab

20# yellowtail - 50% mkt.

20# onions

5 empty clam shells

1 football

I-14 7/20/57

17'3" x 17'9¼"

70 f wire 24 f water

17'0¾" x 17'7¾" 07:40

~~4074~~ 76217 x 86627

7132 57°40' x 159°40' towed 260° mag

Set 0712 24 fath

Hauled 07:42 25 "

600# Catch

3 ♂ + 12 ♀ King Crab

1000 hard Stars

20# flounders mkt

70# yellowtail sole 50% mkt

3 footballs

7 bullheads

50# onions

7 halibut

(1 stolik 6 tag A3188 - A3193)

M N O P Q R S T U V W X Y

sent 7-20

Gout wire Routine
20 July 2000 Z
From Cleaver M.V. Mitkof
to Honovan U.S Fish & Wildlife
Service 2725 Montlake Blvd
Seattle

~~Vessel~~ M.V. Alter set ~~no 21~~ number
21 at 50 degrees by 160 degrees
19 July x Set 10.3 degrees. hauled
10.1 degrees. Catch red 6
Chum 93 Pink 1 silver 3, King 1
Steelhead 3 total 107. Blood
samples 27 Chum.

Fr. Cleaver M.V. Mitkof
to Miyahara U.S Fish & Wildlife
service 2725 Montlake Blvd.
Seattle.
Completed ~~[illegible] stations~~ station
I-14 running for I-13 x ETA
Unalaska 29 July. Have
Henry bring 12 heads lettuce

66

I-13
17'2 3/4" X 17'8 3/4" at 10:20
80 f wire 28 f water
17'4" x 17'8 3/4" at 10:32
7526 [illegible] 77623 X 88057 [illegible]
57°40' x 160°18' towed SE
Set 10:06 28 f
Hauled 10:36 30 f
400# catch
6 ♂ + 18 ♀ King Crab
400 hard starfish
80# onions
4 footballs
11 bullheads
9 hairy cobs
75# yellowfin - 30 % mat
4 small lemon Cole
1 skate
sponges
1 flathead - large
6 halibut
(3 oblettos)

Hal tags A3200-3202

King Crab Tags A3194-3199

M N O P Q R S T U V W X Y

H-14 7-20-57

17'3¼" x 17'8½"
80 f alk wire 29 f alk water
17'3" x 17'6¼" at 14:24
89311 x 78732
57°20' x 159°43' towed ENE
Set 14:03-29 f
Hauled 14:33 30 f
250# catch
5 King ♂ + 18 ♀ Kings
50 bullheads (no.)
80# yellowtail (30% mkt)
2 small lemon
100 hard stars
150 basket stars
75 footballs
15 fieldmice
empty clam shells
1 skate

Tagged crabs A3203-A3206

H-15 Sea lion in sta

17'2¾" x 17'9" at 17:10
73 f 26 f water
17'3¼" x 17'8¼" at 17:26
112890439 x 79717
5937 57°20' x 159°04' towed E
Set 17:07 26 f alk
Hauled 17:37 27
300# catch
3 ♀ King crabs
619 hard stars (est.)
100 footballs
4 bullheads
4 rock soles
3 fieldmice
5# small yellowtail sole

N O P Q R S T U V W X Y

69.

G-15 - 7/21/57
17'3 1/4" x 17'9 3/4"
61 fath wire 16 f water
17'3 1/2" x 17'9 1/2" at 07:39
80754 x 91728 1281
6737 57°00' x 159°07' Towed SW
Set : 07:10 16 fathoms
Hauled: 07:40 17 fathoms
250# catch
1 ♀ & 1 ♂ King crab
1097 (est.) hard starfish
18 bullheads
7 footballs
2# onions
empty snail [illegible] shells
1 halibut

Hal A3207

69

G-14 7-21
17'3" x 17'8 1/4"
80 f wire 28 f water
17'3 1/8" x 17'7 1/2" at 10:40
81414 x 92807 10:1
5679 57°00 x 159°44 towed E
Set 10:14 28 f
Hauled 10:47 28 f
300# catch
15 ♂ + 8 ♀ King crabs
80 footballs
200 hard stars
15# yellowtail (skinny)
3 tanners
4 red crabs
8 bullheads
2 hairys
3 Basket stars
30# onions
lots of hydroid [illegible]

Tagged crabs A3208 - 3221

N O P Q R S T U V W X Y

7Ø F-14

7-21 Sheep Watson Sta some puffin

17'2 3/4" X 17'9 1/2

60 f wire 18 f water

17'1 1/2" X 17'8 1/4" 13:53

94299 X 82849

56°40' x 160°23' towed NE

Set : 13:25 18 fath

Hauled : 13:55 18

48 + 39 King Crabs

893 (est) hard stars

7 footballs

5# yellow tail sole

3# onions

1 herring

Clam shells

5 basket stars

Tagged crabs A3222 & A3223

71

not sent

Goodwire routine

21-7-57 22:30 t

From Cleaup N V Mitkof

90 Miyahara U.S. F.W.S. 2725

Montlake Blvd. Seattle, Wash

Finished G-14 heading for

F-14 x Few crabs ~~15 small~~

~~Males & 8 - 5 m small~~ Tagged

1100

N O P Q R S T U V W X Y

E-13 7/31/57
17'1¼ x 17'6¾"
100 f wire 32 f water
17'2½" x 17'6½" at 17:32
84092 x 95635
56°40' x 160°22'
Set : 17:08 31 fath
Hauled : 17:38 31 "
100
100 ♂ x 10 ♀ king crabs
15# yellowtail sale
100 hard starfish
8 footballs
4 hairy crabs
6 Bullheads
some [illegible]
empty clams
11 32246 x 11 3233

7-22 & 7-23
in Port Moller
Northwest winds -

E-13 7-24-57
84093 x 95635 at start
17'4" x 18'2¼" at 10:39
41 f. wire 10 f. water
17'2¼" x 18'0" 11:03
(891) 96506 x 84935 ? [illegible]
M= 1293 6805 Very hard Bottom - Tore net
56°20' x 160°23' Towed 240° mag
Set : 10:36 10 f
Hauled : 11:06 11 f.
150# catch
4 king ♀ (one 7 mm)
300 hard stars
50 footballs
1 flounder
5# yellowtail
2 lemon
12# oyster jingles
barnacles

N O P Q R S T U V W X Y

7-24-57 E-12

17'3¼" x 17'9¼ at 13:46

65 f wire 25 f water

17'2¼" x 17'9¼" at 14:12

(1) 96507 x 86011 1076

Driving Cog Cost

1293 56°20' x 161°00' Towed 340° mag.

6805 Set : 13:43 25 f

Hauled : 14:13 28 f.

700# catch (1500 est)

61 ♂ 32 ♀ King crabs

400# yellowtail 50% mkt

10# lemon

70# Sponge

12 bullheads

9 tanner

5 hairys

9 red crab

40 hard stars

15 Basket stars

1 jelly fish

4 halibut (2 oto. & 2 tag)

Hal A3292 & 3293

Tagged Crabs A3234-A3291

small whale - shearwaters a few on Station

F-12 7-24-57

96512 x 86016

17'2" x 17'6¼" 16:40

100 f wire 35 f water

17'2½" x 17'7¼" at 17:06

(1245) 87261 x 97920 on mower

7411 56°20' x 159°59' Towed NE Mag.

Set : 16:37 35 f

Hauled : 17:07 39 f

150# catch

10 ♂ + 10 ♀ King crab

3 lemon sole

65# yellowtail (50% mkt)

5 Bullheads

5 footballs

20 hard stars

3 basket stars

20# sponge

4 hairy

3 tanner

1 sm. codfish

1 halibut - A 3299

Tagged A3294-3298

N O P Q R S T U V W X Y

7/24/57
Sent to Muyhara 7 PM
Finished Station 7-12, At
Port Mather 22 & 23 July due
to Weather x Tagged 1100

7/25/57 - E 11
17' 3 1/4 X 17' 6 7/8"
101 f. Wire 34 fath
17' 3" X 17' 7 1/4" at 07:59
1498 99418 X 88729 [illegible]
7884 56°20' X 161°36' Towed 220° mag
Set : 7:33 34 f
Hauled : 8:03 34 f
6 ♂ + 5 ♀ King crab
15# yellowtail
5 hairy
4 Bullheads
3 fieldnice
7 Basket Star
5 tanner
1 brain
1 flathead
50# Sponge & sponge crabs
1 turbot - small
11 hard Stars
lot of old warm tubes
Tagged Crabs A3300 - A3305

N O P Q R S T U V W X Y

77th haul

D-10 7-25-57

17'3 3/8" x 17' 7 3/4"

100f wire 38f water

17'3 1/2" x 17'6 3/4" at 12:57

89776 x 99418 n.G.

56°00' x 162° 12' towed SW

Set 12:30 38 f

hauled 13:00 38 f

80# catch

2 ♂ + 3 ♀ king crab

20# yellowtail

2 pumice stone

kelp

2 hairys

3 Clam shells

10# Sponge

2 Basket stars

2 fieldmice

no tagging

77

7/25

Small crabs

#1 Set 8' beam 14:23

off black Hill 20 f

about 100# jelly like tunicate

1 sole

6 hard stars

1 hermit in [illegible] small shell

#2 Set gear 15:14 16 fath

off Black hill 135 [illegible]

Start left 15:30

100# grapes

10 Cragonids

5 Stars hard

6-8 sm. sole

Set #3 off B. Hill 138° mg 6f

Skunk — 6 sm sole

2 Sm. Halibut ca 8"

on Tag A 3306

O P Q R S T U V W X Y

#4 7/25/57
Deardown 17:57 10f
Start pickup 18:13
Couple down small sole
5 - 4" halibut
a few shrimp

#5
18:25 just west - 10f
Tore bottom of net - -
18:40 lift
30# catch
few small sole
Small sharp nose hairy crabs
Small [illegible]
Barnacles
Snails
[illegible] hairy crab

7-26-57
Small crabs - 8' Beam

Haul #1 15 ft to Beach
07:36 - 07:45
Trawl upside down & tore
1 king crab small

Haul #2 11f to Beach
Trawl ~~flipped~~ & upside down
& tore -

Haul #3 8f
Set 08:57
9 small halibut 2 tagged
7 pickled A 3307

Haul #4 7 f alls
0945 off yellow shaft
4 halibut 2 on tag
A 3309

O P Q R S T U V W X Y

Govt Wire Routine
26 July 2000 Z

off Black Hill trawling for small crabs. Results poor, ~~working~~ Will fish near B-6 tomorrow. Send #12 waterproof notebook fillers to Davenport, Sand Point.

#1
26 July 956 AM
F C Cleaver MV Mitkof

Sakuda ETA Unalaska
25 July relay to Athi Paragon & Pioneer whenever possible obtain still & black and wire and color photos of steelhead in net for on deck

G. Tanonaka

O
P
Q
R
S
T
U
V
W
X
Y

7-26 cont.

Haul #5 Gear down 10:15
12 f. pickedup 10:23
in 10 f - came fast!
Tore bag - ripped foot chain loose

Haul #6 Gear down 10:49
7 fatts towing off shore
off small stream

Haul #7 3 mi w of
stream with 2 lakes in
12 f
Gear set 11:36
up 11:50 in 8 f
10 ft
eel grass
2 halibut
- A 3310

7/26
12:00 left for Sta B-6
Usual whale herds by Amak I
in huge numbers

~~B~~ TOW B-61
Gear Set 19:56 47 f
Hauled 20:26 50 f
6 ♂ + 1 ♀ king crab

~~M~~ 14 large herring

• Halibut A3311

P
O
R
S
T
U
V
W
X
Y

TB Harrison Sent 7-27

MV Paragon set 4
location 55° N 175° W
date hauled 25 July surface
~~set~~ set 8.6 catch 1 red
1 chum total 2 addition
set at 56° N 175 W on
26 July K

MV Athy set number 24
53 40' north 165 west
~~date~~ hauled 25 July surf
temp at set 8.01 catch
red 15 chum 35 pink 29
silver 2 total 81

7/26

B-62 164°39'

55°23.5 x 162°39'

set	21:11	52 f	
Hauled	21:41	53 f	

3 ♂ + 7 ♀ King Crab

79

B-63

N 55°23.5' x 164°46'

set	22:12	54	fath
Hauled	23:12	56	

4 ♂ + 7 ♀ King Crab

80

P
Q
R
S
T
U
V
W
X
Y

7/26-27

~~Inquire on Vessel hours!~~

B-64

81

55°23' X 164°53'

Set	00:11	55
Hauled	0041	56

178 ♂ + 14 ♀ King Crab

A 33120 on B-64

4/24

Parking .50

6/11

Bag	$21.00
gloves	1.80
Jackets	37.25
Shirt	3.00
Tobacco, Soap	9.00 - (1.00)
Fish gear	2.00
Trav. Check	1.20

Lv. 7:30 Arr 11:30

6/17

Lim to Cuch	1.50
Su	.75
Mag	.55
Tobacco	.80
Stamps	.90
Room	9.50
Hand	[illegible]
Do	1.65
Mag	.40

P
Q
R
S
T
U
V
W
X
Y

6/18

Left Anch 8:30 - for Unalaska
Br. 1.60
Lin 1.50

Arr Cold Bay for Transfer 11:45

Left Cold Bay ~~(Nathy 2 PM)~~ 2:45
Arr Dutch Hbr 4:20

6/19
at Dutch -
worked on wire measure

6/20

Knife	$1.95
Church	1.00
May	.40
Matches	.20
Coffee	.45

6/22

Tobacco	1.50
Coffee	1.50
Show	.90
Board	35.25

6/23

Show	.90
Stamps	1.00

Turned in fort road through
6/30/57

7/5

Bets	.35

7/9

Coffee	.50
Tobacco	.60
Pencil chips	.30
Postage	2.80

7/10
Telegram to Sand Pt. .75

7/12

vates	2.00
Postage	$1.80

7/13
Tobacco & mag 2.05

O
R
S
T
U
V
W
X
Y

7-13
Show & Coffee 2.10

7/23
Tobacco 30

7/27
Show & 2,00
Tob. .30
7/29 - Food 92.50
7/30
Vote 5.00
Coffee & .70

7/31
Room & $13,50
Dinner 1.90

7/27
Arr. Unalaska 2:30 PM

7/31
Dept. Unalaska 10:30 Am
Arr Anch. 7:45 PM.

Lv. Anch. 9:45 PM
Arr Seattle [illegible]

O
R
S
T
U
V
W
X
Y

Haul #1 Dart Susan
11:25

22f - 60f 17'8 3/4"
bar 17'3"

20f - 70f 17'8 3/4" x 17'3 1/2"

46
12/36

19f - 80f 17'10 1/2" x 17'3 1/2"

26f 75f 17 7 3/4 x 17 3 1/4

25f 87 17 7 3/4 x 17 3 1/2
25f 100 17' 7 1/4 17' 2 3/4"

Pick up 12:10
300# rockfish dogfish
[illegible] & [illegible] english

Haul # 2
Gearover 13:30

39f - 100f 17 5 3/4" x 17'0"

40f 120 17 6 1/4 x 17' 3 1/4

41f - 140f 17 7 1/4" x 17 3 1/2"

35f - 87f 8 3/4 x 2"

35f - 105f 17' 7 3/4" x 17' 3 1/2"

35 122f 5 5 3/4 x 3"

30f 75f 17' 8 1/2 x 17' 1 3/4

27f 90 9 3/4 x 17' 3"

about 1000# left
Sole, dogs, rockfish, logs

O
R
S
T
U
V
W
X
Y

Haul #3
Gear over 3:25

46f - 112 17' 6" x 17' 1"

46f 135 ~ 5 1/4 2 3/4
floats measured ?

46f 157 17' 5 3/4 x 17' 2 1/2
measured on 2 ~~tools~~ - Big lag

50f 125f 17' 6" x 17' 2 3/4

51f 150 17' 4 3/4" x 17' 1"
Got signal Big lag. [illegible]

49 ok signal 175 17' 3 3/4 x 17' 2 1/4

Stuck in mud in
going to 55 fathoms
Dead 500# after mud
washed out.

7.25
2.75
4.50

O
R
S
T
U
V
W
X
Y

4-2-58

Calibrate range finder
on 1128' range
376 × 3 1128
372

#8

R
S
T
U
V
W
X
Y