

Date Aug 2-1959 Station Z-5 Tow No. 1  
 Position (Set) Lat. 54:40 Long. 165:14  
 Depth 50 Cable out 150  
 Net on Bottom 16:15 Begin Haul 17:15  
 Tow Direction NE x N 3/4 N Wt. of Catch 750<sup>#</sup> lbs.  
 Dist. Meter Revol. 2245 Surf.  
 Wind Dir. & Vel. NW-15 Air Temp. 46°  
 Barometer 30:39  
 Crab Catch 22 M 22 F  
 Crab Release Lat. 54:42 Long. 165:12  
 Underway 18:00 (time) Course EXS

780 R.P.M.

REMARKS:

656 376869 - 379118 - 2249  
 New 125757 - 128002 - 2245  
 21 Females - Eggs  
 0 - - - without  
 1 Female - Eggs - Tag# C6308

M/V Tordenskjold  
 1959

Date Aug 3-1959 Station Z-5 Tow No. 2  
 Position (Set) Lat. 54:40 Long. 165:08  
 Depth 42 - 46 Cable out 135  
 Net on Bottom 07:17 Begin Haul 08:18  
 Tow Direction WSW to SW Wt. of Catch 1000 lbs.  
 Dist. Meter Revol. 4645 SURF 7.6  
 Wind Dir. & Vel. NNW - 10 - Fog Air Temp. 54°  
 Barometer 30:29  
 Crab Catch 1 M 0 F  
 Crab Release Lat. 54:38 Long. 165:11 - Hydro  
 Underway 10:00 (time) Course WNW slow

800 P.M.

## REMARKS:

New - 125757 - 130402 - 4645  
 old - 376869 - 381518 - 4649

Hung up on End of Tow - Tole Net  
 & Extensions

2 Hrs to patch up gear

No. 1.  
 389  
 407  
 410  
 437  
 388  
 419  
 436  
 930

Date AUG 3-1959 Station Z-5 Tow No. 3  
 Position (Set) Lat. 54:43 Long. 165:14  
 Depth 62 - 57 Cable out 180  
 Net on Bottom 11:42 Begin Haul 12:42  
 Tow Direction NNE to SW Wt. of Catch 1200 lbs.  
 Dist. Meter Revol. 2399  
 Wind Dir. & Vel. NW-20 Air Temp. 46.5  
 Barometer 30:27  
 Crab Catch 51 M 12 F  
 Crab Release Lat. 54:44 Long. 165:13  
 Underway 13:30 Course N  
 (time)

825 RPM

REMARKS:

N- 130402 - 132801 - 2399  
 D- 381518 - 383917 - 2399

TORN around 12:15 Lost 1 Ball  
 11 Females with Eggs  
 1 - - - old & Empty  
 37 Males Tagged  
 Found Ball - changed wires

GPO 89269

Date AUG. 3-1959 Station Z-5 Tow No. 4  
 Position (Set) Lat. 54:47 Long. 165:10  
 Depth 67-63 Cable out 200  
 Net on Bottom 14:24 Begin Haul 15:29  
 Tow Direction NXW Wt. of Catch 1600 lbs.  
 Dist. Meter Revol. 3307  
 Wind Dir. & Vel. NW-20 Air Temp. 47  
 Barometer 30:24  
 Crab Catch 45 M 66 F  
 Crab Release Lat. 54:56 Long. 165:08  
 Underway 15:50 Course N  
 (time)

8:20 P.M.

## REMARKS:

N - 132801 - 136108 - 3307  
 O - 383917 - 387224 - 3307

66F. with Eggs

35 Males Tagged

Hal  
390

Date AUG 3-1959 Station A-5 Tow No. 5  
 Position (Set) Lat. 54:55 Long. 165:08  
 Depth 60-54 Cable out 175  
 Net on Bottom 16:30 Begin Haul 17:32  
 Tow Direction NNE Wt. of Catch 2000 lbs.  
 Dist. Meter Revol. 3096  
 Wind Dir. & Vel. NW 18 Air Temp. 47  
 Barometer 30:25  
 Crab Catch 50 <sup>T=111</sup> M 61 F  
 Crab Release Lat. 54:59 Long. 165:05  
 Underway 18:00 Course A.N.  
 (time)

800

REMARKS:

N- 136 108    139'20<sup>9</sup>    -    3 096  
 O- 387 224    390'32<sup>0</sup>    -    3096

61 Females with Eggs  
 40 Males Tagged

H21.  
 480  
 438

Date Aug 5-1959 Station D-10 Tow No. 6  
 Position (Set) Lat. 55:58 Long. 162:13  
 Depth 37-36 Cable out 120  
 Net on Bottom 16:48 Begin Haul 17:30  
 Tow Direction NNE Wt. of Catch 2400 lbs.  
 Dist. Meter Revol. \_\_\_\_\_  
 Wind Dir. & Vel. WSW -15 Air Temp. \_\_\_\_\_  
 Barometer 30:10  
 Crab Catch \_\_\_\_\_ M \_\_\_\_\_ F  
 Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Underway \_\_\_\_\_ (time) \_\_\_\_\_ Course \_\_\_\_\_

REMARKS:

Bottom fauna station

203 female with eggs  
1 --- without

14 star fish

6 hairy

33 TANNER

1800\* Lemon sole

2 Hcl. 790 - 828  
Male Female

Date Aug 6 - 1959 Station F-11 Tow No. 7  
 Position (Set) Lat. 56:30 N Long. 161:34 W  
 Depth 44 - 40 Cable out 145  
 Net on Bottom 09:45 Begin Haul 10:45  
 Tow Direction NE 1/2 N Wt. of Catch 4000 # lbs.  
 Dist. Meter Revol. 2357  
 Wind Dir. & Vel. WSW 12-15 Air Temp. 44.0  
 Barometer 30:03  
 Crab Catch 18 M 11 F  
 Crab Release Lat. 56:32 Long. 161:30  
 Underway 12:25 (time) Course EXN 1/2 N

## REMARKS:

N - 139204 - 141561 - 2357  
 8 - 390320 - 392677 2357  
 3000# Yellowfin sole  
 500# sponges

⑩ Males Tagged

8 Females with Eggs  
 3 - - without

Date Aug 6 - 1959 Station F-11 Tow No. 8  
 Position (Set) Lat. 56:32 N Long. 161:21 W  
 Depth 37 - 39 Cable out 118  
 Net on Bottom 12:08 Begin Haul 13:08  
 Tow Direction EXN 1/2 N Wt. of Catch 4500 lbs.  
 Dist. Meter Revol. 2242  
 Wind Dir. & Vel. WSW 12 Air Temp. 44.5  
 Barometer 30:03  
 Crab Catch 32 M 26 F  
 Crab Release Lat. 56:32 Long. 161:15  
 Underway 13:40 (time) Course EXN

REMARKS:

N- 141561 - 143803 - 2242  
 O- 392677 - 394918 - 2241

3500# Lemon sole  
 500# Sponges

15 with Eggs. 6 Tagged Males  
 11 without Eggs 26 Males untagged

H21  
 382  
 938 - Male save oth. lts



Date Aug 6 1959 Station E-12 Tow No. 9  
 Position (Set) Lat. 56:28 Long. 161:07  
 Depth 36-34 Cable out 105  
 Net on Bottom 14:58 Begin Haul 15:33  
 Tow Direction ESE Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 1673  
 Wind Dir. & Vel. WSW 12 Air Temp. 47  
 Barometer 30:04  
 Crab Catch 50 M 31 F  
 Crab Release Lat. 56:25 Long. 161:02  
 Underway 16:00 Course SE  
 (time)

REMARKS:

N-443803 - 145'476 - 1673  
 O 394918 - 396<sup>5</sup>59<sup>8</sup>1 - 1673  
 2000# Yellowfin sole

Female 17 with Eggs  
 Male 14 with out  
 (22) Tagged  
 Hol. 1000 nm, male save otoliths  
 1 cod Fish

21

Date Aug 6 - 1959 Station E-12 Tow No. 10  
 Position (Set) Lat. 56°21' Long. 161°00'  
 Depth 30-28 Cable out 90  
 Net on Bottom 16:37 Begin Haul 17:37  
 Tow Direction SE Wt. of Catch 7700 lbs.  
 Dist. Meter Revol. 2677 Surf. 7.84  
 Wind Dir. & Vel. W X S - 8 Air Temp. 44.5  
 Barometer 30.04  
 Crab Catch 88 M 83 F  
 Crab Release Lat. 56°19' Long. 160°55'  
 Underway 18:35 Course SE  
 (time)

REMARKS:

N 145476 - 148 153 - 2677

O 396591 - 399 269 - 2678

61 with Eggs  
 22 without

30 Males Tagged  
 7000# Yellow fin sole

H21.  
 370 600 688 606  
 568 417 517 421  
 416 336 680 405  
 655 230 700 727  
 401 443 314  
 636 325 619  
 577 682 517

Hal. Sayeothilids  
 1200 F 1029 F 772 F  
 1060 F 951 F 865 F  
 957 F 853 F  
 837 F 786 M  
 810 M 833 F  
 746 F

Date AUG 6 - 1959 Station E-12 Tow No. 11  
 Position (Set) Lat. 56°19' Long. 160°50'  
 Depth 20-19 Cable out 70  
 Net on Bottom 19:11 Begin Haul 19:41  
 Tow Direction ENE Wt. of Catch 1200 lbs.  
 Dist. Meter Revol. 1460  
 Wind Dir. & Vel. WSW 10 Air Temp. \_\_\_\_\_  
 Barometer 30.05  
 Crab Catch 47 M 71 F  
 Crab Release Lat. 56°19' Long. 160°50'  
 Underway 20:05 (time) Course NNW

REMARKS:

N- 148 153 - 149 613 1460  
 O- 399 269 - 400 730 1461

800 ± starfish  
 200 Yellowfin Sole  
 15 Male Tagge  
 66 Female with Eggs  
 5 - " - without

Hal.  
 260 271 676  
 268 255 798  
 229 266 745  
 223 228 841  
 15 246 254

Date AUG. 7 1959 Station F-12 Tow No. 12  
 Position (Set) Lat. 56:34 Long. 160:40  
 Depth 36 Cable out 107  
 Net on Bottom 07:15 Begin Haul 07:45  
 Tow Direction WNW Wt. of Catch 24.00 lbs.  
 Dist. Meter Revol. 1278 501F 7.82  
 Wind Dir. & Vel. WNW 8 Air Temp. 44.5  
 Barometer 30:07  
 Crab Catch 68 M 95 F  
 Crab Release Lat. 56:35 Long. 160:45  
 Underway 08:10 Course WNW  
 (time)

REMARKS:

N - 149613 - 150891 - 1278

O - 400730 402008 - 1278

2000# Yellowfin sole  
 200 sponge  
 79 without eggs  
 17 with eggs  
 4 Males tagged

1 cod fish

Hol.			
653	577	892 M	360
570	445	378	472
495	589	683	370
718			
4 546	391	376	

Date Aug 7-1959 Station F-12 Tow No. 13  
 Position (Set) Lat. 0 56:39 Long. 160:57  
 Depth 37 Cable out 112  
 Net on Bottom 09:14 Begin Haul 09:44  
 Tow Direction WNW Wt. of Catch 1800 lbs.  
 Dist. Meter Revol. 1251 Surf. 7.80  
 Wind Dir. & Vel. WNW 5 Air Temp. 45.8  
 Barometer 30.09  
 Crab Catch 20 M 14 F  
 Crab Release Lat. 56:41 Long. 161:00  
 Underway 10:45 Course WNW  
 (time)

Bottom Fauna - Dredge

REMARKS:

N- 150891 - 152 <sup>10</sup> 140	1251
O- 402008 - 403257	1249
1000 yellowfin sole	6 Tanner
500 sponge	6 starfish
12 male Tagged	
11 with Eggs	
3 without	

Hal.  
 603  
 380  
 601  
 534  
 15

Date Aug 7-1959 Station F-12 Tow No. 14  
 Position (Set) Lat. 56:42 Long. 161:03  
 Depth 41 Cable out 120  
 Net on Bottom 11:36 Begin Haul 12:06  
 Tow Direction WSW Wt. of Catch 1000 lbs.  
 Dist. Meter Revol. 1418 ~~surf.~~ 8:37  
 Wind Dir. & Vel. W-5 Air Temp. 49.2  
 Barometer 30:09  
 Crab Catch 9 M 7 F  
 Crab Release Lat. 56:42 Long. 161:06  
 Underway 12:30 (time) Course WXN

REMARKS:

N - 152140 - 153558 - 1418  
 0 - 403257 - 404676 - 1419  
 600 sole  
 200 sponge  
 3 Males Tagged  
 7 Female with Eggs  
 30 Tanners

Hal.  
 606  
 311

Date Aug 7 - 1959 Station F-11 Tow No. 15  
 Position (Set) Lat. 56°47' Long. 161°23'  
 Depth 39-41 Cable out 118  
 Net on Bottom 13:42 Begin Haul 14:19  
 Tow Direction W Wt. of Catch 2300 lbs.  
 Dist. Meter Revol. 1907 Surf 8.06  
 Wind Dir. & Vel. W-5 Air Temp. 50.00  
 Barometer 30.11  
 Crab Catch 27 M 17 F  
 \* Crab Release Lat. 56°49' Long. 161°23' \* (from sket. HMS)  
 Underway 14:45 (time) Course W X 5 1/2 S

REMARKS:

N-153558 - 155°46'<sup>4</sup> - 1906  
 0-404676 - 406°58'<sup>5,7</sup> - 1907  
 1200 scales  
 600 sp. 190  
 8 Males Tagged  
 16 Females with Eggs  
 1 - - - without  
 14 Legal size

14

Date Aug 7 1959 Station F-11 Tow No. 16  
 Position (Set) Lat. 56:44 Long. 161:47  
 Depth 45-42 Cable out 140  
 Net on Bottom 15:55 Begin Haul 16:25  
 Tow Direction SSE Wt. of Catch 7000 lbs.  
 Dist. Meter Revol. 1548 Surf. 8.09  
 Wind Dir. & Vel. Calm Air Temp. 50.0  
 Barometer 30:12  
 Crab Catch 24 M 11 F  
 Crab Release Lat. 56:42 Long. 161:48  
 Underway 16:55 Course SxE  
 (time)

## REMARKS:

N-155464 - 157012<sup>6910</sup> 1548  
 O-406583 - 408132<sup>6910</sup> 1549

600 sole  
 200 Elephant shit  
 12 Tagged  
 12 Not tagged  
 9 Female with  
 2 without



Date AUG 7 1959 Station F-11 Tow No. 17  
 Position (Set) Lat. 56:30 Long. 161:50  
 Depth 46 Cable out 150  
 Net on Bottom 18:32 Begin Haul 19:02  
 Tow Direction ENE Wt. of Catch 1000 lbs.  
 Dist. Meter Revol. 1572 Surf 8.63  
 Wind Dir. & Vel. Calm Air Temp. 49.8  
 Barometer 30.12  
 Crab Catch 11 M 9 F  
 Crab Release Lat. 56:30 Long. 161:55  
 Underway 19:25 Course W  
 (time)

REMARKS:

N - 157012 ~ 158584 - 1572  
 O - 408132 409704 - 1572  
 400 sole  
 400 sponge  
 7 Males tagged  
 4 Not -"  
 7 with Eggs  
 2 with out

7

Date Aug 8 1959 Station F-10 Tow No. 18  
 Position (Set) Lat. 56°30 Long. 162°13  
 Depth 41-42 Cable out 123  
 Net on Bottom 07:12 Begin Haul 07:42  
 Tow Direction WNW Wt. of Catch 1800 lbs.  
 Dist. Meter Revol. 1460 Surf. 8.25  
 Wind Dir. & Vel. Calm SE-4 Air Temp. 48.5  
 Barometer 30.17  
 Crab Catch 23 M 6 F  
 Crab Release Lat. 56°30' Long. 162°13'  
 Underway 08:08 Course NW & W  
 (time)

REMARKS:

N- 158584 - 160°44' - 1460  
 O- 409704 - 411°164' 1460  
 800 Sole  
 600 sponge  
 6 Females with Eggs  
 11 Males Tagged

Date Aug 9, 1959 Station F-10 Tow No. 19  
 Position (Set) Lat. 56°37' Long. 162°25'  
 Depth 39 Cable out 116  
 Net on Bottom 09:18 Begin Haul 09:48  
 Tow Direction NWxN Wt. of Catch 2300 lbs.  
 Dist. Meter Revol. 1475 Surf 8:22  
 Wind Dir. & Vel. SE5 Air Temp. 49  
 Barometer 30.22  
 Crab Catch 14 M 4 F  
 Crab Release Lat. 56°38' Long. 162°28'  
 Underway 10:12 (time) Course NNW

REMARKS:

N 160044-161519 1475

O- 411164-412638 1474

1500 sponges  
 500 soles  
 4 Females with Eggs  
 9 Tagged

1170 Halibut - ♀

M/V Ionawskiold  
 \_\_\_\_\_

F-11 (HMS).

Date Aug 8 - 1959 Station F-10 Tow No. 20  
 Position (Set) Lat. 56°50' Long. 162°23'  
 Depth 36 - 34+ Cable out 108  
 Net on Bottom 11:27 Begin Haul 12:27  
 Tow Direction N Wt. of Catch 1400 lbs.  
 Dist. Meter Revol. 2644 Surf. 7.78  
 Wind Dir. & Vel. Calm Air Temp. 50  
 Barometer 30.23  
 Crab Catch 37 M 4 F  
 Crab Release Lat. 56°53' Long. 162°20'  
 Underway 12:55 (time) Course EXN 1/2 N

REMARKS:

N - 161519 - 164<sup>3</sup>'16<sup>3</sup> - 2644  
 O - 412638 - 415'28<sup>2</sup> - 2644  
 900 sole.  
 200 Hoge  
 4 Female with Eggs  
 16 males tagged

Date Aug 8-1959 Station F-11 Tow No. 21  
 Position (Set) Lat. 56°51 Long. 161°54  
 Depth 37-36 Cable out 106  
 Net on Bottom 14:44 Begin Haul 15:44  
 Tow Direction ENE Wt. of Catch 6000 lbs.  
 Dist. Meter Revol. 2343 Surf 8.28  
 Wind Dir. & Vel. ESE 4 Air Temp. \_\_\_\_\_  
 Barometer 30.24  
 Crab Catch 36 M 11 F  
 Crab Release Lat. 56:52 Long. 161:50  
 Underway 16:20 (time) Course EXN 1/2 A

REMARKS:

N- 164163 - 166506 - 2343  
 O- 415282 - 417625 - 2343  
 4500 sponge  
 1000 sole  
 20 males Tagged  
 16 under size  
 10 with Eggs  
 1 NO Eggs

Date AUG 8 1959 Station F 11 Tow No. 22  
 Position (Set) Lat. 56°50' Long. 161°33'  
 Depth 42-45 Cable out 125  
 Net on Bottom 17:48 Begin Haul 18:48  
 Tow Direction EX N 1/2 N Wt. of Catch 2200 lbs.  
 Dist. Meter Revol. 2680 Surf 8.60  
 Wind Dir. & Vel. Calm Air Temp. 48.5  
 Barometer 30.24  
 Crab Catch 23 M 13 F  
 \* Crab Release Lat. 56°50' Long. 161°33' from tagging shell (ans)  
 Underway 19:15 (time) Course SE

REMARKS: speed 900

N - 166506 - 169185<sup>8 7</sup> 2679  
 O - 417625 - 420305<sup>9</sup> 2680  
 1500 sponge  
 250 sole  
 13 with eggs.  
 13 Tagged

Date Aug 9 Station E 17 Tow No. 23  
 Position (Set) Lat. 56:22 Long. 161:21  
 Depth 36 - 33 Cable out 110  
 Net on Bottom 07:28 Begin Haul 08:28  
 Tow Direction SE Wt. of Catch 8000 lbs.  
 Dist. Meter Revol. 2734 Surf 9.0  
 Wind Dir. & Vel. NE 5 Air Temp. 49.8  
 Barometer 30.29  
 Crab Catch 38 M 63 F  
 Crab Release Lat. 56:22 Long. 161:20  
 Underway 9:10 Course NEXN  
 (time)

REMARKS:

N- 169185 - 171919 - 2734  
 O 420305 - 423039 2734

5000 Sole  
 2000 Spokp  
 12 Males Tagged  
 60 Females with Eggs  
 3 " " No Eggs  
 20 cod fish

Hals  
 534 850 Soveothilits Female  
 468  
 730  
 399  
 442  
 479  
 417

Date Aug 9 - 1959 Station E-12 Tow No. 24  
 Position (Set) Lat. 56:19 Long. 161:13  
 Depth 33 Cable out 100  
 Net on Bottom 10:00 Begin Haul 10:30  
 Tow Direction N Wt. of Catch 2900 lbs.  
 Dist. Meter Revol. 1566 Surf 9.00  
 Wind Dir. & Vel. NE 5 Air Temp. 50  
 Barometer 30:31  
 Crab Catch 25 M 31 F  
 Crab Release Lat. 56° 19' Long. 161° 13' <sup>from top of</sup> <sub>plate</sub> (WMS)  
 Underway 11:00 (time) Course ENE

REMARKS:

N - 171919 - 173<sup>7</sup>485 1566  
 O - 423039 - 424<sup>59</sup>605 1566  
 8 Males T<sub>2</sub>99J  
 2000 Sole  
 400 Spongo  
 13 with Eggs  
 18 No Eggs

Hal.  
 698 695  
 606 590  
 605 430  
 661



Date AUG 9-1959 Station E-12 Tow No. 25  
 Position (Set) Lat. 56:23 Long. 161:02  
 Depth 31-30 Cable out 93  
 Net on Bottom 12:51 Begin Haul 13:23  
 Tow Direction E Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 1450 Surf 9.12  
 Wind Dir. & Vel. NE 5 Air Temp. 50  
 Barometer 30:31  
 Crab Catch 20 M 36 F  
 Crab Release Lat. 56:20 Long. 160:58  
 Underway 14:00 Course SE  
 (time)

REMARKS:

N- 173485 - 174935 1450  
 O- 424605 426055 - 1450  
 1800 sole  
 800 Spargo & starfish  
 71 Males Tagged 17 untagged  
 24 Female with eggs  
 12 No Eggs

Hol.

626	653	606	598	258-440-384
504	720	463	393	340-400-434
511	274	519	533	322 312-255
544	436	424	437	427 229
578	368	544	444	
223	507	444	436	363 388

5 gal Can 21/250  
21/250

Page No. 26

Date Aug 9, 1959 Station E-12 Tow No. 26  
 Position (Set) Lat. 56°15' Long. 160°48'  
 Depth 16 Cable out 50  
 Net on Bottom 14:02 Begin Haul 14:32  
 Tow Direction SE Wt. of Catch 1000 lbs.  
 Dist. Meter Revol. 1408  
 Wind Dir. & Vel. NE - 4 Air Temp. 50  
 Barometer \_\_\_\_\_  
 Crab Catch 44 M 53 F  
 Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Underway 14:55 Course SE  
 (time)

5135

REMARKS:

1734985 - 176343 - 1408<sup>512 13</sup>  
 426055 - 427463 - 1408  
 17 Males Topped  
 53 with Eggs  
 500 starfish  
 200 sole

Hal.  
 232 217  
 540  
 541  
 508  
 237  
 263

Date Aug 9-1959 Station E-12 Tow No. 27  
 Position (Set) Lat. 56°13' Long. 160°45'  
 Depth 15-13 Cable out 51  
 Net on Bottom 15:25 Begin Haul 16:25  
 Tow Direction SE Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 2541  
 Wind Dir. & Vel. NE-4 Air Temp. \_\_\_\_\_  
 Barometer 30.30  
 Crab Catch 53 M 121 F  
 Crab Release Lat. 56:09 Long. 160:44  
 Underway 16:50 Course SE  
 (time)

REMARKS:

N - 176343 - 178884 - 2541  
 O - 427463 - 430804 2541

2400 Starfish  
 200 Sole  
 118 with Eggs  
 3 No Eggs  
 13 Males Tagged

Mal.

828	284	386	238	225	542
563	230	253	251	218	438
238	252	280	265	598	225
521	609	253	223	265	434
474	358	277	231	267	260
195	247	265	266	520	521

992269

Date AUG 10 1959 Station H-12 Tow No. 28  
 Position (Set) Lat. 57:12 Long. 160:36  
 Depth 37-36 Cable out 111  
 Net on Bottom 16:25 Begin Haul 16:55  
 Tow Direction NW Wt. of Catch 2200 lbs.  
 Dist. Meter Revol. 1707 Surf. 8.20  
 Wind Dir. & Vel. E NE 12-15 Air Temp. 54  
 Barometer 30:08  
 Crab Catch 23 M 29 F  
 Crab Release Lat. 57:13 Long. 160:40  
 Underway 17:25 Course WNW  
 (time)

## REMARKS:

N-178884 - 180<sup>7</sup>591 - 1707  
 O-430004 - 431711 1707

1860 Soles

200 Mud onious starfish - sculpin

16 Males Tagged

28 Female with Eggs

1 - " - NO EGGS

Hal,  
 567  
 481  
 788  
 381

Date Aug 10 Station H-12 Tow No. 29  
 Position (Set) Lat. 57:19 Long. 160:46  
 Depth 35-36 Cable out 104  
 Net on Bottom 18:05 Begin Haul 19:05  
 Tow Direction WNW Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 3037 SURF 9:22  
 Wind Dir. & Vel. ENE 12 Air Temp. 52  
 Barometer 30:04  
 Crab Catch 64 M 79 F  
 Crab Release Lat. 57:20 Long. 160:50  
 Underway 19:35 Course WNW  
 (time)

REMARKS:

N-180591 - 183628 3037  
 O-431711 - 434749 3038

1000# onion  
 1000# Soles  
 500 mud  
 77 With Eggs  
 2 NO Eggs  
 41 Males Tagged  
 Hal.  
 704 1055 1603  
 936 818 525  
 582 722 360  
 608 646  
 540 477  
 819 509

Date AUG 11 - 1959 Station H-12 Tow No. 30  
 Position (Set) Lat. 57:22 Long. 161:06  
 Depth 33 Cable out 98  
 Net on Bottom 07:25 Begin Haul 08:25  
 Tow Direction WSW Wt. of Catch 1000 lbs.  
 Dist. Meter Revol. 3344 Surf 9:30  
 Wind Dir. & Vel. NE - 28 - 35 Air Temp. 49.5  
 Barometer 29.73  
 Crab Catch 21 M 48 F  
 Crab Release Lat. 57:22 Long. 161:10  
 Underway \_\_\_\_\_ Course \_\_\_\_\_  
 (time)

## REMARKS:

Seas Rough  
 N - 183628 - 186972 - 3344  
 O - 434749 - 438094 - 3345  
 500 Soles  
 200 onions  
 6 Males Tagged  
 46 with Eggs  
 2 NO -"

Hdl.  
840

Turned Chafing Gear  
END FOR END - 5099:49

Date AUG 13-1959 Station H-12 Tow No. 31  
 Position (Set) Lat. 57:09 Long. 160:36  
 Depth 37 - 40 Cable out 111  
 Net on Bottom 11:20 Begin Haul 12:20  
 Tow Direction WXS Wt. of Catch 2800 lbs.  
 Dist. Meter Revol. 2706 5.23  
 Wind Dir. & Vel. Calm Air Temp. 59.0  
 Barometer 29.37  
 Crab Catch 13 M 1 F  
 Crab Release Lat. 57:10 Long. 160:40  
 Underway 12:55 Course NXW  
 (time)

REMARKS:

N - 186972 - 189678 - 2706  
 D - 438094 - 446806 2706  
 2 codfish  
 7 crabs tagged  
 1 Female with Eggs.

Hal.  
 600 590  
 531  
 525  
 548

Date Aug 13-1959 Station H-12 Tow No. 32  
 Position (Set) Lat. 57°12' Long. 160°40'  
 Depth 35-36 Cable out 111  
 Net on Bottom 13:30 Begin Haul 14:30  
 Tow Direction N Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 2880 Surf 7.18  
 Wind Dir. & Vel. Calm Air Temp. 52.4  
 Barometer 29.47  
 Crab Catch 13 M \_\_\_\_\_ F \_\_\_\_\_  
 Crab Release Lat. 57°15' Long. 160°40'  
 Underway 15:10 Course NNW  
 (time)

REMARKS:

N- 189-678 - 192558 2880  
 O- 440800 - 443680 2880  
 2000 onion  
 12 Males Tagged  
 24 Females Eggs

Hal.

715 553 653  
 898(s.o) 421 966(s.o)  
 707 567 880(s.o)  
 572 677  
 500 616  
 620  
 577 900(s.o)  
 578



Date AUG 13 Station H-12 Tow No. 33

Position (Set) Lat. 57:20 Long. 160:41

Depth 36 Cable out 108

Net on Bottom 16:08 Begin Haul 17:08

Tow Direction NNE Wt. of Catch 3200 lbs.

Dist. Meter Revol. 3404 Suv L 7.62

Wind Dir. & Vel. Calm Air Temp. 53

Barometer 29:57

Crab Catch 54 M 148 F

Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_

Underway 17:40 Course NW  
(time)

REMARKS:

N - 192558

195962 - 3404

O - 443680

447084 - 3404

2000 sole

800 onions

30 Males tagged

146 Females with Eggs

2 NO EGGS

H21

(50) 935 913 669 971 (S.O.)

615 548 664 905 (S.O.)

569 902 970

785 416 492

432 410 461

443 439 428

Date AUG. 13 Station H-12 Tow No. 34  
 Position (Set) Lat. 57:28 Long. 160:45  
 Depth 34 Cable out 105  
 Net on Bottom 18:20 Begin Haul 19:20  
 Tow Direction ENE Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 2602 Surf 7.20  
 Wind Dir. & Vel. Calm, Fog Air Temp. 50°  
 Barometer 29:58  
 Crab Catch 567 M 160:45 F  
 Crab Release Lat. 57:30 Long. 160:45  
 Underway 19:50 (time) Course NW

REMARKS:

N- 195962 - 198564 - 2602  
 O- 447084 - 449686 - 2602

1200 sales  
 500 obvious  
 70 Males Tagged  
 296 Females Eggs

Lots of small Crabs  
 Males & Females

Hal,  
 430  
 750  
 518  
 614  
 660

Date AUG 14-1959 Station J 12 Tow No. 35  
 Position (Set) Lat. 57°38' Long. 160°54'  
 Depth 31 Cable out 95  
 Net on Bottom 07:05 Begin Haul 07:39  
 Tow Direction WSW Wt. of Catch 3000 lbs.  
 Dist. Meter Reval. 1773 Surf. 7.10  
 Wind Dir. & Vel. NE 12-15 Air Temp. 47  
 Barometer 29.53  
 Crab Catch 25 M 44 F  
 Crab Release Lat. 57°38' Long. 160°58'  
 Underway 08:03 Course WXS  
 (time)

REMARKS:

N- 198564 - 200<sup>12</sup>337 - 1773  
 O- 449686 - 451<sup>10</sup>459 - 1773  
 2500\* soles  
 10 Males tagged  
 44 Females with Eggs

Hol,  
 775  
 675  
 576  
 822

Date Aug 14 1959 Station J-12 Tow No. 36  
 Position (Set) Lat. 57:39 Long. 161:15  
 Depth 29 Cable out 90  
 Net on Bottom 09:15 Begin Haul 09:45  
 Tow Direction W Wt. of Catch 700 lbs.  
 Dist. Meter Reval. 1793 Surf 7.89  
 Wind Dir. & Vel. NNE 12 Air Temp. 48  
 Barometer 29.58  
 Crab Catch 19 M 24 F  
 Crab Release Lat. 57:39 Long. 161:18  
 Underway 10:06 Course WXS  
 (time)

## REMARKS:

N - 200 337 - 202<sup>10'2</sup>130 - 1793  
 O - 451 459 - 453<sup>25'</sup>252 - 1793

500 soles  
 50 star fish  
 8 Males Tagged

24 Females with Eggs

Date AUG 14 Station 1-11 Tow No. 37  
 Position (Set) Lat. 57:40 Long. 161:36  
 Depth 29-28 Cable out 88  
 Net on Bottom 11:12 Begin Haul 11:42  
 Tow Direction WSW Wt. of Catch 2000 lbs.  
 Dist. Meter Revol. 1760 Surf. 7.82  
 Wind Dir. & Vel. NE 10 Air Temp. 52.5  
 Barometer 29.63  
 Crab Catch 48 M 74 F  
 Crab Release Lat. 57:38 Long. 161:37  
 Underway 12:05 Course S  
 (time)

REMARKS:

N- 202130 - 203890 - 1760  
 0- 455252 - 455011 - 1759  
 1200 solos  
 300 star fish  
 17 Males Tagged  
 74 Females with Eggs

Hal,  
 877  
 835

Date AUG 14 1959 Station J-11 Tow No. 38  
 Position (Set) Lat. 57:33 Long. 161:46  
 Depth 25-24 Cable out 78  
 Net on Bottom 13:10 Begin Haul 13:44  
 Tow Direction SSE to W Wt. of Catch 1000 lbs.  
 Dist. Meter Revol. 5045 8.33  
 Wind Dir. & Vel. NE 5 Air Temp. 53.5  
 Barometer 29.65  
 Crab Catch 62 M 75 F  
 Crab Release Lat. 57:32 Long. 161:46  
 Underway 14:05 Course SE  
 (time)

## REMARKS:

700 soles

5 Males Tagged

60 with Eggs

15 No Eggs

Hal.

797 450  
 400 767  
 291 302  
 357  
 628

Date Aug 14-1959 Station H-11 Tow No. 39  
 Position (Set) Lat. 57:22 Long. 161:39  
 Depth 27 Cable out 82  
 Net on Bottom 15:15 Begin Haul 15:45  
 Tow Direction ESE Wt. of Catch 1000 lbs.  
 Dist. Meter Revol. surf 8:37  
 Wind Dir. & Vel. NES Air Temp. 54  
 Barometer 29:70  
 Crab Catch 27 M 17 F  
 Crab Release Lat. 57:20 Long. 161:36  
 Underway 16:15 Course SSE  
 (time)

REMARKS:

N- 206 913

O- 458 036

19 Males tagged  
 16 with eggs  
 1 No

Hal  
 434  
 650  
 378

Date AUG 14 1959 Station H-11 Tow No. 40  
 Position (Set) Lat. 57:21 Long. 161:35  
 Depth 28-30 Cable out 86  
 Net on Bottom 16:32 Begin Haul 17:32  
 Tow Direction E Wt. of Catch 3000 lbs.  
 Dist. Meter Reval. 3243 Surf 7.49  
 Wind Dir. & Vel. NE 4 Air Temp. 53  
 Barometer 29:70  
 Crab Catch 61 M 45 F  
 Crab Release Lat. 57:22 Long. 161:37  
 Underway 18:00 Course NW  
 (time)

## REMARKS:

N 206913 - 210' 156 - 3243  
 O 458036 - 461' 279 - 3243

2400 Soles

21 Males Tagged  
 42 females with Eggs  
 3 — " — NO — "



Date Aug 14 Station H-11 Tow No. 41  
 Position (Set) Lat. 57:23 Long. 161:35  
 Depth 29-27 Cable out 84  
 Net on Bottom 18:25 Begin Haul 19:25  
 Tow Direction NWXW Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 2446 Surf. 8.20  
 Wind Dir. & Vel. WNW 10 Air Temp. 50:0  
 Barometer 29.75  
 Crab Catch 37 M 30 F  
 Crab Release Lat. 57:25 Long. 161:38  
 Underway Anchored 20:00  
 (time)

REMARKS: Net loaded Basket stars  
N-210<sup>9</sup> 156 - 2126<sup>0</sup>2 - 2446  
0-461 279 - 463 5<sup>2</sup>5 - 2446  
24 Males Tagged  
29 with Eggs  
1 No Eggs

Hal  
581

Date AUG 15-1959 Station H-11 Tow No. 42  
 Position (Set) Lat. 57°23 Long. 161°37  
 Depth 27 Cable out 80  
 Net on Bottom 07:17 Begin Haul 08:17  
 Tow Direction S Wt. of Catch 4500 lbs.  
 Dist. Meter Reval. 3032 Surf 7.82  
 Wind Dir. & Vel. WSW 10 Air Temp. 48.  
 Barometer 29.93  
 Crab Catch 65 M 58 F  
 Crab Release Lat. 57:20 Long. 161:40  
 Underway 8:50 Course W-5/0W  
 (time)

1228

REMARKS:

N- 212602 - 215634 - 3032  
 O- 463725 - 464760 - 3035  
 2000 # starfish  
 2000 # soles  
 35 Males tagged  
 56 Females with Eggs  
 2 - " NO Eggs

Hal.  
 840  
 728  
 700

Date AUG 15-1959 Station H-11 Tow No. 43  
 Position (Set) Lat. 57°17' Long. 161°46'  
 Depth 27-26 1/2 Cable out 81  
 Net on Bottom 09:10 Begin Haul 09:40  
 Tow Direction J Wt. of Catch 2000 lbs.  
 Dist. Meter Revol. 1703 Surf 7.83  
 Wind Dir. & Vel. SW-10 Air Temp. 48.5  
 Barometer 29.97  
 Crab Catch 26 M 37 F  
 Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Underway \_\_\_\_\_ (time) \_\_\_\_\_ Course \_\_\_\_\_

1228

REMARKS:

N- 215634 - 217<sup>5</sup>337 - 1703

O - 464760 - 464<sup>8</sup>951 - 0191  
change

1500 sole

37 Female with Eggs

12 Males tagged

10:25-predge ON this  
Tow for Bottom  
Sample

Hal.  
565  
678  
437  
575

change counter PO 992269

Date Aug 15, 1959 Station H-11 Tow No. 44  
 Position (Set) Lat. 57:15 Long. 161:55  
 Depth 27- Cable out 82  
 Net on Bottom 10:58 Begin Haul 12:00  
 Tow Direction ENE Wt. of Catch 2000 lbs.  
 Dist. Meter Revol. 2234 Surf 7.55  
 Wind Dir. & Vel. SW-15 Air Temp. 48.0  
 Barometer 30:00  
 Crab Catch 530 M 49 F  
 Crab Release Lat. 57:17 Long. 161:57  
 Underway 12:22 Course N  
 (time)

1227-23

REMARKS:

N- 000291-      002525-2234  
 0-217337-      219568-2231  
 49 ♀ with      1500 soles  
 13 TAGGED  
 17 Not

Hal  
390

Date AUG 15 1959 Station H 11 Tow No. 45  
 Position (Set) Lat. 57:20 Long. 161:48  
 Depth 26-27 Cable out 85  
 Net on Bottom 13:30 Begin Haul 14:05  
 Tow Direction ENE to WSW Wt. of Catch 2800 lbs.  
 Dist. Meter Revol. 1645 Surf. 8:34  
 Wind Dir. & Vel. WSW 15 Air Temp. 49  
 Barometer 30:04  
 Crab Catch 22 M 37 F  
 Crab Release Lat. 57:20 Long. 161:48  
 Underway 14:40 Course NE  
 (time)

1230

REMARKS: 1 Ball Came Loose Turn Around

0-002525 <sup>in N. 10'</sup> 221214  
N219568 04970

1646  
1645

2200 sales  
37♀ eggs  
10♂ Tagged  
12 Not Tagged

Hal  
678  
759

Date Aug. 15, 1959 Station H-11 Tow No. 46  
 Position (Set) Lat. 57:23 Long. 161:36  
 Depth 28 - 29 1/2 Cable out 88  
 Net on Bottom 15:18 Begin Haul 16:28  
 Tow Direction NE Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 3454 Surf 8.11  
 Wind Dir. & Vel. SW 15 Fog Air Temp. 49  
 Barometer 30.07  
 Crab Catch 33 M 22 F  
 Crab Release Lat. 57:25 Long. 161:37  
 Underway 16:45 Course NNW  
 (time)

1230 - 1228

REMARKS:

0-221214 - 224668 - 3454  
 N-004170 - 007625 - 3455  
 1800 sole  
 500 starfish  
 20 Males Tagged  
 22 Female with Eggs

Hal.  
 1099  
 628  
 700

Date Aug 15 Station H-11 Tow No. 47  
 Position (Set) Lat. 57:29 Long. 161:33  
 Depth 27 1/2 - 29 Cable out 87  
 Net on Bottom 17:35 Begin Haul 18:38  
 Tow Direction NE x N Wt. of Catch 2500 lbs.  
 Dist. Meter Revol. Surf 18:41  
 Wind Dir. & Vel. WNW 15 - Fog Air Temp. 47.5  
 Barometer 30.09  
 Crab Catch 21 M 21 F  
 Crab Release Lat. 57:30 Long. 161:30  
 Underway 19:15 slow Course 235  
 (time)

1240-1278

REMARKS:

O - 224668 - 228<sup>7</sup>219 - 3551  
 N - 007625 - 014<sup>10</sup>175 - 3550

1900 Sole  
 300 starfish  
 13 Males Tagged  
 21 Females with Eggs

Hal  
 400  
 700

Date Aug 16-1959 Station G 8 Tow No. 48  
 Position (Set) Lat. 57:10 Long. 163:13 - D.R.  
 Depth 34 Cable out 102  
 Net on Bottom 07:35 Begin Haul 08:05  
 Tow Direction SE Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. 1439 Surf 7.45  
 Wind Dir. & Vel. WNW 8 Air Temp. 47  
 Barometer 30:23  
 Crab Catch 109 M 0 F  
 Crab Release Lat. 57:08 Long. 163:14  
 Underway 08:30 Course 200°  
 (time)

REMARKS:

0- 228219 - 22965<sup>4</sup>8 - 1439  
 N- 011175 - 01261<sup>5</sup>4 - 1439  
 2200 Soles

45 Males Tagged  
 64

Hal  
 1200



Date Aug 16 Station Q8 Tow No. 49  
 Position (Set) Lat. 57°06' Long. 163°15'  
 Depth 35 Cable out 106  
 Net on Bottom 09:00 Begin Haul 10:00  
 Tow Direction 55E Wt. of Catch 14000 lbs.  
 Dist. Meter Revol. 3088 Surf. 7.40  
 Wind Dir. & Vel. \_\_\_\_\_ Air Temp. \_\_\_\_\_  
 Barometer 30.24  
 Crab Catch \_\_\_\_\_ M \_\_\_\_\_ F  
 Crab Release Lat. Same Long. \_\_\_\_\_  
 Underway \_\_\_\_\_ Course \_\_\_\_\_  
 (time)

Tide going ENE 1323-20

REMARKS: Set Mark Buoy 1657  
Took in 2 splits @ a time  
9 splits total Last split in 15:15

4500 Soles

N- 012614 - 015702 - 3088  
O- 229658 - 232745 - 3087

⊗ Buoy

Date AUG 16 1959 Station GB Tow No. 50  
 Position (Set) Lat. 57° 05' Long. 163° 07'  
 Depth 35 Cable out 105  
 Net on Bottom 18:25 Begin Haul 18:55  
 Tow Direction NW Wt. of Catch \_\_\_\_\_ lbs.  
 Dist. Meter Revol. 1250  
 Wind Dir. & Vel. EAS 10-12 Air Temp. 46.0  
 Barometer 30.13  
 Crab Catch 20 M 6 F  
 Crab Release Lat. Same Long. \_\_\_\_\_  
 Underway \_\_\_\_\_ Course \_\_\_\_\_  
 (time)

REMARKS:

232 795 233 996 = 1251  
 015702 - 016952 = 1250  
 20:07 Tagged  
 6 ♀ with

Date AUG 18 1959 Station A-6 Tow No. 51  
 Position (Set) Lat. 54°56' Long. 164°20'  
 Depth 14-17 Cable out 50  
 Net on Bottom 08:00 Begin Haul 08:20  
 Tow Direction NW Wt. of Catch 300 lbs.  
 Dist. Meter Revol. Surf  
 Wind Dir. & Vel. 5SE 10 Air Temp. 32  
 Barometer 29.95  
 Crab Catch 0 M 0 F  
 Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Underway 08:40 Course W  
 (time)

REMARKS:

START END  
 D-233 996  
 N-016 952

421.

	No.	Note		
601	144		286	264
280			292	298
300	382		286	275
411	291		244	367
463	460		285	151
	255		390	280

Date AUG 18-1959 Station A-6 Tow No. 52  
 Position (Set) Lat. 55° 50' Long. 164° 34'  
 Depth 30-32 Cable out 100  
 Net on Bottom 09:43 Begin Haul 10:13  
 Tow Direction NNW Wt. of Catch 200 lbs.  
 Dist. Meter Revol. 8.73  
 Wind Dir. & Vel. SSW 25-38 Air Temp. 49.5  
 Barometer 29.98  
 Crab Catch 0 M 0 F  
 Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Underway 10:35 Course NNW  
 (time)

REMARKS: END

N- 018777  
 D- 235821

H21,  
 724 369 358 264 244  
 502 660 528 266 252  
 336 481 269 251  
 914 364 370 418  
 378 280 425

Date Aug 18 1959 Station A-6 Tow No. 53  
 Position (Set) Lat. 55°05' Long. 164°31'  
 Depth 42 - 45 Cable out 135  
 Net on Bottom 11:32 Begin Haul 12:02  
 Tow Direction 'N' Wt. of Catch 200 lbs.  
 Dist. Meter Revol. 1278 Surf 8.74  
 Wind Dir. & Vel. SSW 30 Rough Seas Air Temp. 49.8  
 Barometer 30.00  
 Crab Catch 3 M \_\_\_\_\_ F \_\_\_\_\_  
 Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Underway 12:35 Course ESE  
 (time)

*Seas TRTF wind increasing*

REMARKS:

N-018777 - 020<sup>9</sup>25<sup>4</sup> - 1278  
 0-235-821 - 237<sup>10</sup>099 - 1278  
 ♂ put in live tank - (name tagged. HHS)

Hal,

280	395	360	315	341	415
640	338	378	305	407	261
412	368	321	355	330	338
350	468	582	377	300	
342	325	400	431	349	
339	333	300	495	438	
377	439	455	484	361	
		330		358	

Date AUG 20 1959 Station A-5 Tow No. 57  
 Position (Set) Lat. 55:00 Long. 164:51  
 Depth 46-48 Cable out 150  
 Net on Bottom 09:35 Begin Haul 10:05  
 Tow Direction W Wt. of Catch 1000 lbs.  
 Dist. Meter Revol. 1568 Surf. 8.45  
 Wind Dir. & Vel. SW-20 Rough seas Air Temp. 49.0  
 Barometer 30.08  
 Crab Catch 1 M 24 F  
 Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Underway 10:30 (time) Course NNW

AUG 19 08:00 3225 TRTF WSW 30-35  
Left Anchorage 09:00 Turned back

REMARKS: AUG 20 07:00 Left Anchorage SW 15-20

020055 - 021624 - 1569  
237099 - 238667 - 1568  
24 Females with eggs  
1 Male - in live tank (non-tagged HMs)  
700 soles

Hal  
648 435  
676 446  
440 392  
562  
550

Date AUG 20 1959 Station A-5 Tow No. 55  
 Position (Set) Lat. 55°10'2" Long. 164°56'  
 Depth 55 - 57 Cable out 170  
 Net on Bottom 11:01 Begin Haul 11:31  
 Tow Direction NW Wt. of Catch 2100 lbs.  
 Dist. Meter Revol. 1525 Surf. 8.48  
 Wind Dir. & Vel. SSW-20 Air Temp. 48.5  
 Barometer 30.02  
 Crab Catch 25 M 180 F  
 Crab Release Lat. 55:04 Long. 165:00  
 Underway 12:05 Course W  
 (time)

REMARKS:

N- 021624 - 023150 - 1526  
 O- 238667 - 240192 - 1925

500 Hake  
 500 rockbot  
 500 soles

180 Females with eggs  
 23 Males Tagged

Hol  
 606  
 453  
 565  
 579

Date Aug 20, 1959 Station A-5 Tow No. 56  
 Position (Set) Lat. 55°04' Long. 165°00'  
 Depth 59-61 Cable out 180  
 Net on Bottom 12:45 Begin Haul -  
 Tow Direction NNW Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. Surf: 822  
 Wind Dir. & Vel. S 18-20 Air Temp. 50.5  
 Barometer 30.02  
 Crab Catch 28 M 172 F  
 Crab Release Lat. 55°10' Long. 165:00  
 Underway 1440 Course E  
 (time)

## REMARKS:

N · 023150 - 026300 - 3150  
 0 · 240192 - 243060 - 2868

2000 MAKE

172 FEMALES EGGS

24 MALES TAGGED

HAL

757

659

744



Date 20 AUG. Station A-5 Tow No. 57  
 Position (Set) Lat. 55° 04' Long. 164° 53'  
 Depth 57-56 Cable out 168  
 Net on Bottom 1533 Begin Haul 16:33  
 Tow Direction NNE Wt. of Catch 3000 lbs.  
 Dist. Meter Revol. S-30 Rough  
 Wind Dir. & Vel. \_\_\_\_\_ Air Temp. \_\_\_\_\_  
 Barometer 29.96  
 Crab Catch 8 M 250 F  
 Crab Release Lat. \_\_\_\_\_ Long. \_\_\_\_\_  
 Underway 1715 Course E  
 (time)

TRTF HEADING IN FOR ANCHOR

REMARKS:

026300 - 029155 - 2855  
243060 - 24528 - 2158

1000 TURBOT

1200 HAKE

HAL

<u>565</u>	<u>630</u>
<u>414</u>	<u>779</u>
<u>510</u>	<u>713</u>
<u>968</u>	<u>471</u>