

## TRANSPAC (1 NORI)

## Transpac (1 Nori)

|          |           |            |                |
|----------|-----------|------------|----------------|
| Case 1   | 44° 59' N | 148° 57' W | Station 16     |
| Case 2   | 53° 38' N | 169° 37' E | Before Sta. 41 |
| Case N-1 | 41 36 N   | 141 29 E   |                |
| Case N-2 | 41 36 N   | 141 28 E   |                |
| N-3      | 41 33 N   | 141 36 E   |                |
| N-4      | 41 32 N   | 141 38 E   |                |
| N-5      | 41 21 N   | 141 54 E   |                |
| N-6      | 40 55 N   | 142 18     |                |
| N-7      | 40° N     | 143 41     |                |
| M-8      | 40 04     | 143 35     |                |
| N-9      | 39 56     | 143 49     |                |
| Case     | 25 37 N   | 168° 01' W | After Sta. 130 |

WLS NOTE  
2009 JAN 30

TRANSPAC CORES THOUGHT TO HAVE BEEN TAKEN ON BIOLOGICAL EXPEDITION TAKING MOSTLY PLANKTON TOWS.

RIEDEL NOTE SUGGESTS TWO TO FOUR CORES EXIST IN SIO GEOLOGICAL COLLECTIONS. THIS PAGE IS SOLE DOCUMENTATION RELATED TO <sup>JEDIMENT</sup> CORES. IF ONLY LISTS LAT/LONS.

ADDITIONAL COLLECTING INFORMATION MAY BE AVAILABLE FROM PLANKTON COLLECTION STAFF OR DATABASE AT SIO?

Coles 40-1 ← have  
 71  
 97  
 129 ← have

UNIVERSITY OF CALIFORNIA  
 SCRIPPS INSTITUTION OF OCEANOGRAPHY

TRANS-PACIFIC EXPEDITION, ZOOPLANKTON DATA

| Sta. | Sample | Latitude N | Longitude W | Date 1953 (local) | Time net   |      | Depths filtered (m) | Vol. water filtered (m <sup>3</sup> ) | Displacement Total (cc) | Vol. Small Orgs / 1000 m. <sup>3</sup> (cc) |
|------|--------|------------|-------------|-------------------|------------|------|---------------------|---------------------------------------|-------------------------|---|
|      |        |            |             |                   | open Start | End  |                     |                                       |                         |   |
| 1    | A      | 33°57.5'   | 122°28.0'   | 23 July           | 2036       | 2051 | 0-145               | 444                                   | 290                     | 290   |
|      | B      | "          | "           | "                 | 2103       | 2135 | 0-330               | 816                                   | 270                     | 270   |
| 3    | A      | 35°04.9'   | 127°37.7'   | 25 July           | 2159       | 2214 | 0-165               | 531                                   | 63                      | 63  |
|      | B      | "          | "           | "                 | 2223       | 2255 | 0-320               | 1130                                  | 95                      | 95  |
| 4    | A      | 35°46.8'   | 130°02.5'   | 26 July           | 1640       | 1705 | 0-165               | 525                                   | 38                      | 38  |
|      | B      | "          | "           | "                 | 1635       | 1705 | 165-330             | 555                                   | 44                      | 44  |
|      | C      | "          | "           | "                 | 1635       | 1705 | 330-495             | 555                                   | 18                      | 18  |
|      | D      | "          | "           | "                 | 1550       | 1800 | 0-1015              | 2795                                  | 140                     | 140   |
| 5    | A      | 35°54.0'   | 131°44.0'   | 27 July           | 0450       | 0503 | 0-135               | 445                                   | 15                      | 15  |
|      | B      | "          | "           | "                 | 0508       | 0540 | 0-355               | 1035                                  | 40                      | 40  |
| 6    | A      | 36°09.2'   | 133°20.0'   | 27 July           | 1644       | 1658 | 0-115               | 411                                   | 47                      | 33  |
|      | B      | "          | "           | "                 | 1700       | 1732 | 0-260               | 970                                   | 18                      | 18  |
| 7    | A      | 36°21.8'   | 134°53.0'   | 28 July           | 1655       | 1715 | 0-170               | 251                                   | 4                       | 4   |
|      | B      | "          | "           | "                 | 1650       | 1715 | 170-340             | 464                                   | 6                       | 6   |
|      | C      | "          | "           | "                 | 1650       | 1715 | 340-510             | 464                                   | 5                       | 5   |
|      | D      | "          | "           | "                 | 1650       | 1715 | 510-680             | 464                                   | 7                       | 7   |
|      | E      | "          | "           | "                 | 1601       | 1808 | 0-1035              | 2120                                  | 70                      | 70  |
| 8    | A      | 36°44.0'   | 137°23.7'   | 29 July           | 0817       | 0832 | 0-145               | 500                                   | 22                      | 22  |
|      | B      | "          | "           | "                 | 0838       | 0910 | 0-310               | 1212                                  | 33                      | 33  |
| 9    | A      | 37°00.0'   | 140°01.5'   | 29 July           | 2159       | 2133 | 0-170               | 524                                   | 80                      | 80  |
|      | B      | "          | "           | "                 | 2155       | 2133 | 170-340             | 705                                   | 19                      | 19  |
|      | C      | "          | "           | "                 | 2155       | 2133 | 340-510             | 705                                   | 6                       | 6   |
|      | D      | "          | "           | "                 | 2155       | 2133 | 510-680             | 705                                   | 5                       | 5   |
|      | E      | "          | "           | "                 | 2109       | 2227 | 0-1035              | 2386                                  | 74                      | 74  |
| 10   | A      | 38°22.3'   | 141°23.2'   | 31 July           | 0242       | 0258 | 0-120               | 362                                   | 92                      | 73  |
|      | B      | "          | "           | "                 | 0306       | 0338 | 0-230               | 1038                                  | 74                      | 74  |
| 11   | A      | 39°35.6'   | 142°33.0'   | 1 Aug.            | 0110       | 0150 | 0-170               | 801                                   | 92                      | 84  |
|      | B      | "          | "           | "                 | 0105       | 0153 | 170-340             | 889                                   | 40                      | 40  |
|      | C      | "          | "           | "                 | 0105       | 0153 | 340-510             | -----net fouled-----                  |                         |   |
|      | D      | "          | "           | "                 | 0105       | 0153 | 510-680             | 889                                   | 45                      | 45  |
|      | E      | "          | "           | "                 | 0105       | 0153 | 680-850             | 889                                   | 30                      | 21  |
|      | F      | "          | "           | "                 | 0000       | 0300 | 0-1280              | 4815                                  | 161                     | 161   |
| 12   | A      | 40°26.9'   | 143°32.0'   | 2 Aug.            | 1600       | 1633 | 0-170               | 639                                   | 93                      | 93  |
|      | B      | "          | "           | "                 | 1557       | 1633 | 170-340             | 667                                   | 1                       | 1   |
|      | C      | "          | "           | "                 | 1557       | 1633 | 340-510             | 667                                   | 22                      | 22  |
|      | D      | "          | "           | "                 | 1557       | 1633 | 510-680             | 667                                   | 35                      | 35  |
|      | E      | "          | "           | "                 | 1557       | 1633 | 680-850             | 667                                   | 38                      | 38  |
|      | F      | "          | "           | "                 | 1449       | 1733 | 0-1280              | 3680                                  | 180                     | 180   |
| 13   | A      | 41°53.8'   | 145°13.0'   | 3 Aug.            | 0432       | 0447 | 0-125               | 431                                   | 103                     | 103   |
|      | B      | "          | "           | "                 | 0450       | 0522 | 0-340               | 876                                   | 99                      | 99  |
| 14   | A      | 42°57.5'   | 146°14.8'   | 3 Aug.            | 1950       | 2005 | 0-175               | 663                                   | 161                     | 161   |
|      | B      | "          | "           | "                 | 2020       | 2052 | 0-380               | 1013                                  | 711                     | 711   |

|    |   |          |            |            |      |      |          |                     |     |     |
|----|---|----------|------------|------------|------|------|----------|---------------------|-----|-----|
| 15 | A | 44°01.9' | 147°29.2'  | 4 Aug.     | 0549 | 0603 | 0-170    | 586                 | 55  | 55  |
|    | B |          |            | "          | 0500 | 0518 | 135-350  | 332                 | 35  | 35  |
| 16 | A | 44°59'   | 148°46.5'  | 4 Aug.     | 1622 | 1654 | 0-165    | 1202                | 95  | 95  |
|    | B | "        | "          | "          | 1617 | 1654 | 165-330  | 685                 | 48  | 48  |
|    | C | "        | "          | "          | 1617 | 1654 | 330-495  | 685                 | 16  | 16  |
|    | D | "        | "          | "          | 1617 | 1654 | 495-660  | 685                 | 19  | 19  |
|    | E | "        | "          | "          | 1531 | 1733 | 0-980    | 3282                | 290 | 290 |
| 17 | A | 46°00.0' | 149°54.0'  | 5 Aug.     | 0610 | 0624 | 0-135    | 441                 | 138 | 138 |
|    | B | "        | "          | "          | 0530 | 0550 | 160-295  | 370                 | 41  | 41  |
| 18 | A | 47°14.0' | 151°43.0'  | 6 Aug.     | 2215 | 2231 | 0-169m   | 443                 | 140 | 140 |
|    | B | "        | "          | "          | 2240 | 2305 | 0-318    | 1295                | 221 | 221 |
| 19 | A | 48°14.2' | 153°20.1'  | 6 Aug.     | 1308 | 1322 | 0-129    | 447                 | 103 | 103 |
|    | B | "        | "          | "          | 1340 | 1358 | 164-282  | 332                 | 75  | 75  |
| 20 | A | 49°29.5' | 154°56.5'  | 7 Aug.     | 1220 | 1234 | 0-153    | 451                 | 136 | 136 |
|    | B | "        | "          | "          | 1253 | 1316 | 153-324  | 526                 | 60  | 60  |
|    | C | "        | "          | "          | 1357 | 1434 | 318-668  |                     |     |     |
|    |   |          |            |            |      |      |          | ----net fouled----- |     |     |
| 21 | A | 50°25.0' | 156°37.0'  | 8 Aug.     | 0125 | 0137 | 0-137    | 439                 | 156 | 156 |
|    | B | "        | "          | "          | 0145 | 0208 | 0-115    | 1277                | 198 | 198 |
|    | C | "        | "          | "          | 0213 | 0237 | 0-288    | 1050                | 158 | 158 |
| 22 | A | 51°21.3' | 158°20.0'  | 8 Aug.     | 1442 | 1452 | 0-129    | 479                 | 210 | 210 |
|    | B | "        | "          | "          | 1507 | 1539 | 0-294    | 1077                | 253 | 253 |
| 23 | A | 52°10.4' | 160°08.0'  | 9 Aug.     | 2309 | 2324 | 0-135    | 535                 | 322 | 322 |
|    | B | "        | "          | "          | 0008 | 0032 | 0-270    | 1095                | 340 | 308 |
| 24 | A | 53°15.0' | 161°55.0'  | 9 Aug.     | 1127 | 1141 | 0-180    | 417                 | 129 | 92  |
|    | B | "        | "          | "          | 1204 | 1223 | 135-270  | 351                 | 126 | 126 |
|    | C | "        | "          | "          | 0108 | 0133 | 288-637  | 462                 | 63  | 63  |
| 25 | A | 53°32.5' | 163°20.8'  | 10 Aug.    | 1221 | 1243 | 0-84     | 514                 | 194 | 123 |
|    | B | "        | "          | "          | 1025 | 1044 | 137-318  | 351                 | 205 | 200 |
|    | C | "        | "          | "          | 1106 | 1131 | 270-594  | 464                 | 58  | 58  |
|    | D | "        | "          | "          | 1320 | 1502 | 525-1175 | 1860                | 117 | 113 |
| 26 | A | 54°00.0' | 168°19.8'  | 13 Aug.    | 0038 | 0055 | 0-100    | 610                 | 365 | 335 |
| 27 | A | 54°00.0' | 170°03.0'  | 13 Aug.    | 0849 | 0904 | 0-132    | 524                 | 93  | 93  |
|    | B | "        | "          | "          | 0927 | 0946 | 149-265  | 351                 | 149 | 149 |
| 28 | A | 53°59.5' | 171°40.0'W | 13 Aug.    | 2332 | 2347 | 0-145    | 433                 | 86  | 86  |
|    | B |          |            | 13-14 Aug. | 2352 | 0024 | 0-295    | 1136                | 337 | 322 |
| 29 | A | 54°00.0' | 173°15.5'W | 14 Aug.    | 1115 | 1131 | 0-180    | 525                 | 127 | 127 |
|    | B | "        | "          | "          | 1147 | 1205 | 165-360  | 332                 | 109 | 109 |
|    | C | "        | "          | "          | 1235 | 0106 | 305-460  | 555                 | 190 | 190 |
| 30 | A | 53°57.7' | 175°04.5'W | 15 Aug.    | 0534 | 0548 | 0-125    | 433                 | 85  | 85  |
|    | B | "        | "          | "          | 0600 | 0630 | 0-300    | 943                 | 226 | 226 |
| 31 | A | 53°15.6' | 175°37.6'W | 15 Aug.    | 1252 | 1303 | 0-105    | 439                 | 70  | 70  |
|    | B | "        | "          | "          | 1319 | 1339 | 130-265  | 555                 | 111 | 111 |
| 32 | A | 52°29.3' | 176°09.0'W | 15 Aug.    | 2103 | 2118 | 0-105    | 543                 | 113 | 113 |
|    | B | "        | "          | "          | 2140 | 2200 | 115-265  | 370                 | 95  | 95  |
|    | C | "        | "          | "          | 2223 | 2251 | 300-515  | 520                 | 104 | 104 |
| 33 | A | 52°19.9' | 176°57.5'W | 24 Aug.    | 2152 | 2207 | 0-125    | 478                 | 90  | 90  |
|    | B | "        | "          | "          | 2225 | 2249 | 120-305  | 445                 | 142 | 142 |

|    |   |          |            |            |       |      |         |                      |      |     |
|----|---|----------|------------|------------|-------|------|---------|----------------------|------|-----|
| 34 | A | 53°10.3' | 177°59.0'W | 25 Aug.    | 1020  | 1034 | 0-180   | 469                  | 135  | 135 |
|    | B | "        | "          | "          | 1035  | 1106 | 0-320   | 1040                 | 320  | 320 |
| 35 | A | 54°05.5' | 178°56.2'W | 25 Aug.    | check | log  | 0-395   | 1732                 | 630  | 630 |
| 36 | A | 54°00.9' | 178°58.7'E | 26 Aug.    | 1013  | 1027 | 0-165   | 381                  | 95   | 95  |
|    | B | "        | "          | "          | 1036  | 1107 | 0-290   | 787                  | 305  | 305 |
| 37 | A | 53°59.0' | 176°55.0'E | 27 Aug.    | 1932  | 1947 | 0-140   | 400                  | 220  | 220 |
|    | B | "        | "          | "          | 1950  | 2029 | 0-290   | 914                  | 255  | 255 |
| 38 | A | 53°59.1' | 174°49.0'E | 28 Aug.    | 1715  | 1730 | 0-165   | 427                  | 140  | 140 |
|    | B | "        | "          | "          | 1747  | 1810 | 145-320 | 425                  | 130  | 130 |
| 39 | A | 54°03.1' | 172°28.8'E | 30 Aug.    | 0459  | 0514 | 0-180   | 412                  | 110  | 110 |
|    | B | "        | "          | "          | 0620  | 0641 | 160-335 | 350                  | 190  | 190 |
| 40 | A | 53°57.0' | 171°10.8'  | 30 Aug.    | 2257  | 2335 | 0-170   | 845                  | 225  | 225 |
|    | B | "        | "          | "          | 2253  | 2335 | 170-340 | 332                  | 160  | 160 |
|    | C | "        | "          | "          | 2253  | 2335 | 340-510 | 335                  | 95   | 95  |
|    | D | "        | "          | "          | 2253  | 2335 | 510-680 | 340                  | 120  | 30  |
|    | E | "        | "          | 30-31 Aug. | 2159  | 0017 | 0-1020  | 2480                 | 495  | 495 |
| 41 | A | 53°32.1' | 168°50.8'  | 31 Aug.    | 1805  | 1818 | 0-135   | 526                  | 30   | 30  |
|    | B | "        | "          | "          | 1830  | 1851 | 140-290 | 370                  | 70   | 70  |
| 42 | A | 53°32.4' | 166°10.8'  | 1 Sept.    | 1111  | 1148 | 0-175   | 750                  | 35   | 35  |
|    | B | "        | "          | "          | 1109  | 1148 | 175-350 | 695                  | 250  | 250 |
|    | C | "        | "          | "          | 1109  | 1148 | 350-525 | 670                  | 100  | 100 |
|    | D | "        | "          | "          | 1109  | 1148 | 525-700 | -----net fouled----- |      |     |
|    | E | "        | "          | "          | 1011  | 1235 | 0-1050  | 2347                 | 525  | 400 |
| 43 | A | 53°35.5' | 163°42.0'  | 1 Sept.    | 2340  | 2354 | 0-155   | 402                  | 60   | 60  |
|    | B | "        | "          | 1-2 Sept.  | 2358  | 0030 | 0-325   | 1043                 | 210  | 210 |
| 44 | A | 53°40.8' | 161°55.5'  | 2 Sept.    | 2003  | 2018 | 0-170   | 482                  | 320  | 150 |
|    | B | "        | "          | "          | 2035  | 2053 | 155-335 | 351                  | 210  | 210 |
|    | C | "        | "          | "          | 2124  | 2149 | 320-565 | 462                  | 185  | 100 |
| 45 | A | 52°23.0' | 163°15.2'  | 3 Sept.    | 0850  | 0858 | 0-35    | 277                  | 90   | 7   |
|    | B | "        | "          | "          | 0901  | 0916 | 0-105   | 498                  | 198  | 38  |
|    | C | "        | "          | "          | 0929  | 0943 | 40-145  | 259                  | 200  | 200 |
|    | D | "        | "          | "          | 0958  | 1021 | 150-300 | 425                  | 365  | 365 |
| 46 | A | 51°13.0' | 164°34.3'  | 4 Sept.    | 0044  | 0126 | 0-170   | 1010                 | 210  | 210 |
|    | B | "        | "          | "          | 0040  | 0126 | 170-340 | 740                  | 220  | 220 |
|    | C | "        | "          | "          | 0040  | 0126 | 340-510 | 720                  | 235  | 75  |
|    | D | "        | "          | 3-4 Sept.  | 2319  | 0212 | 0-1015  | 4165                 | 1020 | 630 |
| 47 | A | 49°50.1' | 165°49.2'  | 5 Sept.    | 0019  | 0025 | 0-20    | 267                  | 235  | 235 |
|    | B | "        | "          | "          | 0025  | 0045 | 0-155   | 567                  | 105  | 105 |
|    | C | "        | "          | "          | 0054  | 0103 | 35-150  | 166                  | 120  | 120 |
|    | D | "        | "          | "          | 0125  | 0152 | 160-275 | 499                  | 15   | 15  |
| 48 | A | 48°46.3' | 166°48.1'  | 5 Sept.    | 1229  | 1234 | 0-25    | 163                  | 5    | 5   |
|    | B | "        | "          | "          | 1239  | 1253 | 0-100   | 500                  | 50   | 50  |
|    | C | "        | "          | "          | 1314  | 1329 | 35-115  | 278                  | 33   | 33  |
|    | D | "        | "          | "          | 1342  | 1409 | 140-320 | 475                  | 145  | 145 |
| 49 | A | 47°35.7' | 167°44.8'  | 6 Sept.    | 0308  | 0344 | 0-170   | 788                  | 60   | 60  |
|    | B | "        | "          | "          | 0305  | 0346 | 170-340 | 760                  | 92   | 92  |
|    | C | "        | "          | "          | 0305  | 0346 | 340-510 | 760                  | 12   | 12  |
|    | D | "        | "          | "          | 0305  | 0346 | 510-680 | 760                  | 9    | 9   |
|    | E | "        | "          | "          | 0208  | 0426 | 0-1015  | 3595                 | 700  | 585 |
| 50 | A | 46°16.5' | 168°52.2'  | 6 Sept.    | 1549  | 1604 | 0-145   | 478                  | 107  | 107 |
|    | B | "        | "          | "          | 1627  | 1648 | 155-355 | 370                  | 65   | 65  |
| 51 | A | 45°05.5' | 170°08.5'  | 7 Sept.    | 1148  | 1203 | 0-145   | 440                  | 68   | 68  |
|    | B | "        | "          | "          | 1206  | 1239 | 0-330   | 934                  | 155  | 155 |

|    |                |          |           |          |      |      |         |      |     |     |
|----|----------------|----------|-----------|----------|------|------|---------|------|-----|-----|
| 52 | A              | 43°28.1' | 170°37.3' | 8 Sept.  | 0418 | 0433 | 0-155   | 500  | 80  | 80  |
|    | B              | "        | "         | "        | 0450 | 0510 | 155-260 | 370  | 61  | 61  |
| 53 | A              | 42°07.9' | 169°28.1' | 8 Sept.  | 1706 | 1728 | 0-190   | 933  | 70  | 70  |
|    | B              | "        | "         | "        | 1812 | 1840 | 140-295 | 500  | 43  | 43  |
|    | C              | "        | "         | "        | 1907 | 1930 | 290-545 | 425  | 12  | 12  |
| 54 | A              | 40°34.5' | 170°02.3' | 9 Sept.  | 1829 | 1900 | 0-170   | 810  | 115 | 115 |
|    | B              | "        | "         | "        | 1823 | 1901 | 170-340 | 705  | 65  | 65  |
|    | C              | "        | "         | "        | 1823 | 1901 | 340-510 | 705  | 15  | 15  |
|    | D              | "        | "         | "        | 1725 | 1945 | 0-1015  | 3650 | 360 | 265 |
| 55 | A              | 41°19.0' | 168°20.2' | 9 Sept.  | 0618 | 0634 | 0-169m  | 463  | 50  | 30  |
|    | B              | "        | "         | "        | 0544 | 0605 | 153-288 | 388  | 55  | 55  |
| 56 | A              | 41°49.0' | 166°38.6' | 10 Sept. | 0626 | 0640 | 0-135   | 530  | 110 | 110 |
|    | B              | "        | "         | "        | 0645 | 0717 | 0-258   | 1053 | 150 | 150 |
| 57 | A              | 42°41.4' | 164°57.1' | 11 Sept. | 2106 | 2121 | 0-160   | 487  | 70  | 70  |
|    | B              | "        | "         | "        | 2126 | 2159 | 144-312 | 610  | 42  | 25  |
|    | C              | "        | "         | "        | 2230 | 2305 | 318-491 | 650  | 48  | 48  |
| 58 | A              | 43°23.4' | 163°12.9' | 12 Sept. | 0904 | 0918 | 0-164   | 499  | 70  | 70  |
|    | B              | "        | "         | "        | 0934 | 0955 | 115-318 | 390  | 68  | 68  |
| 59 | A              | 44°06.0' | 161°39.0' | 13 Sept. | 0208 | 0246 | 0-163   | 955  | 195 | 195 |
|    | B              | "        | "         | "        | 0203 | 0247 | 163-326 | 815  | 10  | 10  |
|    | C              | "        | "         | "        | 0203 | 0247 | 326-490 | 815  | 23  | 23  |
|    | D              | "        | "         | "        | 0203 | 0247 | 490-653 | 815  | 25  | 25  |
|    | E              | "        | "         | "        | 0113 | 0332 | 0-980   | 3890 | 545 | 395 |
| 60 | A              | 44°46.1' | 159°54.9' | 13 Sept. | 1616 | 1630 | 0-129   | 464  | 135 | 135 |
|    | B              | "        | "         | "        | 1634 | 1706 | 0-258   | 1059 | 115 | 115 |
| 61 | A              | 45°15.1' | 158°20.0' | 14 Sept. | 0803 | 0818 | 0-129   | 527  | 105 | 105 |
|    | B              | "        | "         | "        | 0639 | 0744 | 135-270 | 1130 | 264 | 264 |
|    | C              | "        | "         | "        | 0533 | 0607 | 270-446 | 558  | 150 | 150 |
| 62 | A              | 45°57.8' | 156°52.5' | 14 Sept. | 2234 | 2248 | 0-106   | 490  | 200 | 175 |
|    | B              | "        | "         | "        | 2251 | 2323 | 0-258   | 1086 | 210 | 210 |
| 63 | A              | 46°23.5' | 155°28.6' | 15 Sept. | 0942 | 0958 | 0-129   | 545  | 40  | 40  |
|    | B              | "        | "         | "        | 1015 | 1038 | 135-270 | 408  | 100 | 100 |
|    | C              | "        | "         | "        | 1108 | 1148 | 270-374 | 685  | 235 | 235 |
| 64 | A              | 46°54.5' | 153°55.2' | 15 Sept. | 2145 | 2159 | 0-157   | 436  | 135 | 135 |
|    | B              | "        | "         | "        | 2219 | 2243 | 75-318  | 444  | 165 | 165 |
| 65 | A              | 45°29.9' | 154°19.7' | 16 Sept. | 1034 | 1049 | 0-124   | 500  | 60  | 60  |
|    | B              | "        | "         | "        | 1058 | 1121 | 147-340 | 1166 | 265 | 265 |
| 66 | A              | 44°09.0' | 152°56.8' | 17 Sept. | 1615 | 1652 | 0-168   | 529  | 234 | 234 |
|    | B              | "        | "         | "        | 1612 | 1656 | 106-337 | 814  | neg | neg |
|    | C              | "        | "         | "        | 1612 | 1656 | 276-506 | 814  | 8   | 8   |
|    | D              | "        | "         | "        | 1612 | 1656 | 435-675 | 814  | neg | neg |
|    | E              | "        | "         | "        | 1519 | 1739 | 0-1020  | 7620 | 630 | 630 |
| 66 | A <sup>1</sup> | "        | "         | "        | 0911 | 1514 | 0-700   | 600  | 450 | 450 |
| 67 | A              | 43°09.0' | 151°52.0' | 18 Sept. | 0115 | 0130 | 0-97    | 583  | 194 | 194 |
|    | B              | "        | "         | "        | 0234 | 0306 | 0-176   | 1118 | 388 | 388 |
| 68 | A              | 42°02.2' | 150°33.2' | 18 Sept. | 1635 | 1659 | 0-103   | 490  | 130 | 130 |
|    | B              | "        | "         | "        | 1718 | 1740 | 132-276 | 407  | 130 | 130 |
| 69 | A              | 40°54.5' | 149°25.7' | 19 Sept. | 0455 | 0510 | 0-141   | 465  | --- | --- |
| 70 | A              | 39°44.0' | 148°24.0' | 19 Sept. | 0049 | 0130 | 0-165   | 449  | 70  | 70  |
|    | E              | "        | "         | "        | 2343 | 0218 | 0-1016  | 4590 | 370 | 370 |
| 71 | A              | 40°05.0' | 146°45.0' | 20 Sept. | 1846 | 1904 | 0-28    | 276  | 70  | 70  |
|    | B              | "        | "         | "        | 1924 | 1937 | 0-132   | 445  | 100 | 100 |
|    | C              | "        | "         | "        | 1804 | 1828 | 135-270 | 444  | 100 | 100 |

|    |   |          |           |    |       |      |      |                       |      |     |     |
|----|---|----------|-----------|----|-------|------|------|-----------------------|------|-----|-----|
| 72 | A | 40°25.3' | 145°29.3' | 20 | Sept. | 0527 | 0538 | 0-41                  | 189  | 65  | 65  |
|    | B | "        | "         | "  | "     | 0542 | 0557 | 0-115                 | 464  | 85  | 85  |
|    | C | "        | "         | "  | "     | 0615 | 0635 | 153-270               | 370  | 95  | 95  |
| 73 | A | 40°53.4' | 143°51.5' | 21 | Sept. | 1606 | 1621 | 0-40                  | 352  | 50  | 50  |
|    | B | "        | "         | "  | "     | 1824 | 1839 | 0-141                 | 435  | 60  | 60  |
|    | C | "        | "         | "  | "     | 1853 | 1914 | 173-390               | 1128 | --- | --- |
| 74 | A | 41°22.2' | 142°18.3' | 22 | Sept. | 0316 | 0331 | 0-118                 | 459  | 130 | 130 |
|    | B | "        | "         | "  | "     | 0350 | 0410 | 160-288               | 1110 | 40  | 40  |
| 75 | A | 40°54.6' | 142°18.1' | 28 | Sept. | 0400 | 0415 | 0-106                 | 505  | 50  | 50  |
|    | B | "        | "         | "  | "     | 0432 | 0456 | 121-225               | 444  | 40  | 40  |
| 76 | A | 39°56.4' | 143°38.5' | 28 | Sept. | 2359 | 0035 | 0-163                 | 1200 | 320 | 320 |
|    | B | "        | "         | "  | "     | ---- | ---- | net fouled, no sample |      | --- | --- |
|    | C | "        | "         | "  | "     | ---- | ---- | net fouled, no sample |      | --- | --- |
|    | D | "        | "         | "  | "     | 2358 | 0035 | 490-652               | 1424 | 20  | 20  |
|    | E | "        | "         | "  | "     | 2302 | 0124 | 0-980                 | 3680 | 420 | 330 |
| 77 | A | 38°58.6' | 144°51.0' | 29 | Sept. | 1604 | 1619 | 0-124                 | 569  | 45  | 45  |
|    | B | "        | "         | "  | "     | 1647 | 1704 | 149-318               | 1054 | 20  | 20  |
| 78 | A | 37°58.9' | 146°01.1' | 30 | Sept. | 0549 | 0603 | 0-141                 | 473  | 140 | 115 |
|    | B | "        | "         | "  | "     | 0617 | 0637 | 160-330               | 370  | 35  | 35  |
| 79 | A | 26°23.2' | 145°30.4' | 30 | Sept. | 1659 | 1713 | 0-190                 | 240  | 42  | 42  |
|    | B | "        | "         | "  | "     | 1730 | 1747 | 139-324               | 314  | 15  | 15  |
|    | C | "        | "         | "  | "     | 1817 | 1847 | 318-720               | 555  | 9   | 9   |
| 80 | A | 35°04.5' | 145°07.5' | 1  | Oct.  | 0246 | 0250 | 0-112                 | 430  | 30  | 30  |
|    | B | "        | "         | "  | "     | 0308 | 0340 | 0-258                 | 1020 | 30  | 30  |
| 81 | A | 34°06.0' | 144°36.5' | 2  | Oct.  | 0211 | 0306 | 0-127                 | 450  | 25  | 25  |
|    | B | "        | "         | "  | "     | 0327 | 0351 | 147-318               | 444  | 13  | 13  |
| 82 | A | 32°59.6' | 144°15.0' | 2  | Oct.  | 1603 | 1614 | 0-129                 | 464  | 35  | 35  |
| 83 | A | 31°08.3' | 143°41.0' | 3  | Oct.  | 0756 | 0810 | 0-164                 | 536  | 12  | 12  |
|    | B | "        | "         | "  | "     | 0818 | 0904 | 0-225                 | 1662 | 40  | 40  |
| 84 | A | 30°09.0' | 143°15.7' | 3  | Oct.  | 2005 | 2019 | 0-153                 | 468  | 45  | 45  |
|    | B | "        | "         | "  | "     | 2032 | 2056 | 135-300               | 444  | --- | --- |
|    | C | "        | "         | "  | "     | 2140 | 2220 | 369-525               | 1480 | --- | --- |
| 85 | A | 31°23.1' | 141°23.6' | 4  | Oct.  | 2119 | 2134 | 0-153                 | 440  | 72  | 72  |
|    | B | "        | "         | "  | "     | 2145 | 2208 | 139-258               | 1166 | 5   | 5   |
| 86 | A | 32°26.8' | 140°36.6' | 5  | Oct.  | 1951 | 2006 | 0-153                 | 436  | 28  | 28  |
|    | B | "        | "         | "  | "     | 2009 | 2042 | 0-369                 | 1240 | 53  | 53  |
| 87 | A | 33°23.5' | 140°27.9' | 6  | Oct.  | 0611 | 0626 | 0-177                 | 450  | 32  | 32  |
|    | B | "        | "         | "  | "     | 0536 | 0610 | 0-397                 | 7352 | 50  | 50  |
| 88 | A | 34°18.8' | 140°11.0' | 6  | Oct.  | 1553 | 1608 | 0-164                 | 465  | 28  | 28  |
| 89 | A | 34°21.5' | 138°40.5' | 15 | Oct.  | 2024 | 2044 | 0-138                 | 703  | 80  | 80  |
|    | B | "        | "         | "  | "     | 2103 | 2126 | 120-260               | 426  | 30  | 30  |
| 91 | A | 33°16.0' | 138°10.0' | 16 | Oct.  | 1047 | 1103 | 0-150                 | 420  | 25  | 25  |
|    | B | "        | "         | "  | "     | 1105 | 1138 | 0-290                 | 870  | 35  | 35  |
| 92 | A | 32°45.0' | 137°47.5' | 16 | Oct.  | 1745 | 1801 | 0-110                 | 432  | 34  | 34  |
|    | B | "        | "         | "  | "     | 1802 | 1830 | 0-295                 | 1058 | 48  | 48  |
| 93 | A | 33°25.2' | 135°06.0' | 24 | Oct.  | 0151 | 0205 | 0-110                 | 565  | 55  | 55  |
| 94 | A | 32°59.5' | 135°57.0' | 24 | Oct.  | 1133 | 1148 | 0-140                 | 492  | 8   | 8   |
|    | B | "        | "         | "  | "     | 1207 | 1231 | 140-310               | 444  | 7   | 7   |
| 95 | A | 32°22.8' | 137°06.7' | 24 | Oct.  | 2103 | 2117 | 0-110                 | 419  | 45  | 45  |
|    | B | "        | "         | "  | "     | 2134 | 2154 | 133-290               | 370  | 3   | 3   |
|    | C | "        | "         | "  | "     | 2218 | 2303 | 295-520               | 1572 | 5   | 5   |
| 96 | A | 31°44.3' | 138°00.0' | 25 | Oct.  | 0815 | 0830 | 0-115                 | 434  | 45  | 45  |
|    | B | "        | "         | "  | "     | 0851 | 0913 | 110-300               | 1147 | 50  | 50  |

|     |   |          |            |         |      |      |         |      |     |     |
|-----|---|----------|------------|---------|------|------|---------|------|-----|-----|
| 97  | A | 32°02.3' | 139°25.1'  | 25 Oct. | 2043 | 2120 | 0-170   | 756  | 60  | 60  |
|     | B | "        | "          | "       | 2037 | 2121 | 170-340 | 1424 | 5   | 5   |
|     | C | "        | "          | "       | 2037 | 2121 | 140-510 | 1424 | 1   | 1   |
|     | D | "        | "          | "       | 2037 | 2121 | 210-680 | 1424 | 1   | 1   |
|     | E | "        | "          | "       | 1940 | 2215 | 0-1015  | 4345 | 100 | 100 |
| 98  | A | 32°03.3' | 141°04.1'  | 26 Oct. | 0933 | 0948 | 0-155   | 421  | 5   | 5   |
|     | B | "        | "          | "       | 0953 | 1025 | 0-288   | 770  | 20  | 20  |
| 99  | A | 31°55.3' | 142°11.7'  | 26 Oct. | 0355 | 0410 | 0-150   | 423  | 15  | 15  |
|     | B | "        | "          | "       | 0429 | 0452 | 160-335 | 426  | 9   | 9   |
| 100 | A | 32°14.0' | 144°02.1'  | 29 Oct. | 0055 | 0109 | 0-115   | 464  | 20  | 20  |
| 101 | A | 32°10.0' | 145°53.0'  | 29 Oct. | 1532 | 1547 | 0-165   | 418  | 10  | 10  |
|     | B | "        | "          | "       | 1608 | 1631 | 140-275 | 426  | 8   | 8   |
| 102 | A | 31°57.0' | 147°53.5'  | 30 Oct. | 0650 | 0704 | 0-155   | 321  | 17  | 17  |
| 103 | A | 31°49.1' | 149°58.0'  | 30 Oct. | 2234 | 2249 | 0-175   | 458  | 32  | 32  |
|     | B | "        | "          | "       | 2308 | 2331 | 145-290 | 426  | 10  | 10  |
| 104 | A | 32°36.8' | 151°27.4'  | 31 Oct. | 0957 | 1012 | 0-140   | 373  | 18  | 18  |
|     | B | "        | "          | "       | 1027 | 1048 | 175-265 | 388  | 6   | 6   |
| 105 | A | 33°09.5' | 153°00.0'  | 31 Oct. | 2130 | 2145 | 0-175   | 362  | 28  | 28  |
|     | B | "        | "          | "       | 2202 | 2231 | 0-290   | 715  | 15  | 15  |
| 106 | A | 33°33.9' | 154°29.1'  | 1 Nov.  | 1433 | 1448 | 0-165   | 425  | 12  | 12  |
|     | B | "        | "          | "       | 1502 | 1540 | 130-300 | 703  | 8   | 8   |
| 107 | A | 34°07.0' | 156°11.0'  | 2 Nov.  | 0200 | 0215 | 0-160   | 553  | 90  | 90  |
|     | B | "        | "          | "       | 0217 | 0251 | 0-305   | 986  | 95  | 95  |
|     | C | "        | "          | "       | 0255 | 0406 | 0-530   | 3150 | 225 | 225 |
| 108 | A | 34°44.8' | 157°39.5'  | 2 Nov.  | 1322 | 1337 | 0-115   | 491  | 40  | 40  |
|     | B | "        | "          | "       | 1354 | 1419 | 130-300 | 1202 | 8   | 8   |
| 109 | A | 35°14.0' | 159°04.0'  | 3 Nov.  | 0140 | 0155 | 0-120   | 446  | 55  | 55  |
|     | B | "        | "          | "       | 0157 | 0229 | 0-330   | 1012 | 85  | 60  |
| 110 | A | 35°40.0' | 160°43.0'  | 3 Nov.  | 1314 | 1328 | 0-85    | 486  | 50  | 50  |
| 111 | A | 36°04.0' | 162°13.5'  | 4 Nov.  | 0015 | 0030 | 0-155   | 411  | 35  | 35  |
|     | B | "        | "          | "       | 0034 | 0108 | 0-275   | 871  | 37  | 37  |
| 112 | A | 36°35.0' | 163°46.0'  | 4 Nov.  | 1050 | 1104 | 0-135   | 499  | 90  | 85  |
|     | B | "        | "          | "       | 1126 | 1151 | 160-275 | 462  | 40  | 40  |
| 113 | A | 37°28.0' | 165°16.0'E | 5 Nov.  | 0432 | 0447 | 0-150   | 380  | 30  | 30  |
|     | B | "        | "          | "       | 0449 | 0518 | 0-315   | 842  | 70  | 70  |
| 114 | A | 37°53.5' | 166°56.7'E | 5 Nov.  | 1936 | 1951 | 0-160   | 462  | 89  | 64  |
|     | B | "        | "          | "       | 2016 | 2040 | 150-385 | 444  | 22  | 22  |
| 115 | A | 38°31.5' | 168°31.5'E | 6 Nov.  | 0510 | 0525 | 0-165   | 394  | 25  | 25  |
|     | B | "        | "          | "       | 0527 | 0603 | 0-330   | 806  | 40  | 40  |
| 116 | A | 37°40.5' | 170°06.2'E | 7 Nov.  | 0553 | 0607 | 0-105   | 415  | 19  | 19  |
|     | B | "        | "          | "       | 0616 | 0647 | 0-280   | 920  | 24  | 24  |
| 117 | A | 36°35.0' | 171°26.0'E | 7 Nov.  | 1824 | 1839 | 0-145   | 415  | 275 | 275 |
|     | B | "        | "          | "       | 1852 | 1911 | 150-335 | 1092 | 75  | 30  |
|     | C | "        | "          | "       | 1933 | 2001 | 320-600 | 1258 | 20  | 20  |
| 118 | A | 35°36.8' | 172°43.7'E | 8 Nov.  | 0926 | 0941 | 0-155   | 387  | 18  | 18  |
|     | B | "        | "          | "       | 0949 | 1021 | 0-345   | 877  | 50  | 50  |
| 119 | A | 34°30.5' | 174°04.0'E | 8 Nov.  | 2041 | 2056 | 0-110   | 500  | 30  | 30  |
|     | B | "        | "          | "       | 2118 | 2142 | 310-370 | 444  | 10  | 10  |
| 120 | A | 33°23.1' | 175°13.2'E | 9 Nov.  | 0651 | 0706 | 0-140   | 466  | 15  | 15  |
|     | B | "        | "          | "       | 0723 | 0745 | 145-320 | 407  | 1   | 1   |
|     | C | "        | "          | "       | 0813 | 0847 | 355-535 | 629  | 8   | 8   |
| 121 | A | 32°34.1' | 176°44.8'E | 10 Nov. | 0200 | 0215 | 0-140   | 453  | 25  | 25  |
|     | B | "        | "          | "       | 0122 | 0145 | 135-220 | 426  | 7   | 7   |
| 122 | A | 31°37.0' | 178°12.2'E | 10 Nov. | 1711 | 1726 | 0-150   | 420  | 14  | 14  |

|     |   |          |            |         |      |      |         |      |    |    |
|-----|---|----------|------------|---------|------|------|---------|------|----|----|
| 123 | A | 30°36.8' | 179°30.0'E | 11 Nov. | 0355 | 0411 | 0-130   | 524  | 25 | 25 |
|     | B | "        | "          | "       | 0321 | 0343 | 130-260 | 407  | 5  | 5  |
| 124 | A | 29°39.0' | 179°09.8'W | 10 Nov. | 1618 | 1633 | 0-135   | 677  | 7  | 7  |
|     | B | "        | "          | "       | 1649 | 1711 | 150-325 | 1147 | 2  | 2  |
|     | C | "        | "          | "       | 1748 | 1820 | 335-515 | 1332 | 1  | 1  |
| 125 | A | 28°38.0' | 178°01.8'  | 11 Nov. | 0521 | 0536 | 0-142   | 457  | 25 | 25 |
|     | B | "        | "          | "       | 0452 | 0513 | 146-349 | 1147 | 5  | 5  |
| 126 | A | 27°58.2' | 175°01.9'  | 13 Nov. | 0257 | 0312 | 0-131   | 408  | 25 | 25 |
|     | B | "        | "          | "       | 0321 | 0352 | 0-259   | 858  | 38 | 38 |
| 127 | A | 27°32.0' | 173°28.5'  | 13 Nov. | 1319 | 1334 | 0-142   | 442  | 18 | 18 |
|     | B | "        | "          | "       | 1540 | 1602 | 146-295 | 705  | 6  | 6  |
| 128 | A | 26°58.8' | 171°55.1'  | 14 Nov. | 0313 | 0327 | 0-148   | 394  | 30 | 30 |
|     | B | "        | "          | "       | 0344 | 0420 | 153-259 | 1020 | 10 | 10 |
| 129 | A | 26°28.5' | 170°23.0'  | 14 Nov. | 1407 | 1422 | 0-109   | 411  | 15 | 15 |
|     | B | "        | "          | "       | 1427 | 1458 | 0-264   | 920  | 20 | 20 |
| 130 | A | 25°52.2' | 168°42.7'  | 15 Nov. | 0654 | 0707 | 0-142   | 406  | 13 | 13 |
|     | B | "        | "          | "       | 0724 | 0744 | 123-290 | 704  | 4  | 4  |
| 131 | A | 25°12.4' | 166°56.0'  | 15 Nov. | 2222 | 2237 | 0-123   | 526  | 17 | 17 |
|     | B | "        | "          | "       | 2239 | 2314 | 0-307   | 900  | 25 | 25 |
| 132 | A | 24°38.0' | 165°22.0'  | 16 Nov. | 1402 | 1417 | 0-181   | 398  | 6  | 6  |
|     | B | "        | "          | "       | 1420 | 1452 | 153-345 | 850  | 11 | 11 |
| 133 | A | 23°55.3' | 163°39.6'  | 17 Nov. | 0405 | 0420 | 0-144   | 457  | 8  | 8  |
|     | B | "        | "          | "       | 0422 | 0454 | 0-277   | 968  | 23 | 23 |
| 134 | A | 23°26.3' | 161°49.6'  | 17 Nov. | 1735 | 1750 | 0-129   | 441  | 10 | 10 |
|     | B | "        | "          | "       | 1756 | 1829 | 0-283   | 1015 | 60 | 60 |
| 135 | A | 22°50.0' | 160°05.6'  | 18 Nov. | 0514 | 0529 | 0-151   | 405  | 12 | 12 |
|     | B | "        | "          | "       | 0549 | 0614 | 146-290 | 1202 | 8  | 8  |
| 136 | A | 21°42'   | 156°19'    | 21 Nov. | 2214 | 2243 | 0-375   | 793  | 30 | 30 |
| 137 | A | 23°05'   | 152°02'    | 22 Nov. | 2205 | 2229 | 0-320   | 714  | 20 | 20 |
| 138 | A | 24°27'   | 147°32'    | 23 Nov. | 2202 | 2228 | 0-345   | 769  | 30 | 30 |
| 139 | A | 25°48'   | 142°43'    | 24 Nov. | 2205 | 2239 | 0-320   | 895  | 45 | 45 |
| 140 | A | 26°57'   | 138°22'    | 25 Nov. | 2203 | 2228 | 0-325   | 645  | 25 | 25 |
| 141 | A | 28°14'   | 133°38'    | 26 Nov. | 2204 | 2229 | 0-325   | 641  | 27 | 27 |
| 142 | A | 29°31'   | 128°47'    | 27 Nov. | 2204 | 2229 | 0-300   | 788  | 17 | 17 |
| 143 | A | 29°31'   | 128°47'    | 28 Nov. | 2204 | 2229 | 0-415   | 738  | 27 | 27 |