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**Incidental Catches of anadromous fish by Japanese Research Vessel in the  
North Pacific Ocean in 2007**

by

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Some Japanese research vessels conducted the scientific fisheries operation with possibilities of the incidental catch of anadromous fish in 2007.

The *R/V Tomi maru No.58*, which conducted the experimental towing of the surface and mid water trawl gear to develop the commercial fishery on neon flying squid (*Ommastrephes bartrani*), pacific pomfret (*Brama japonica*) during a period from mid August to mid September in 2007, had caught a total of 793 pacific salmon incidentally. The summary data of the catch by this vessel are shown in table 1.

Total of 78 salmonids including 16 chum salmon, 51 pink salmon, 10 coho salmon, and 1 chinook salmon were caught by gill net survey for Pacific saury survey in July 2007 (*R/V Hokushin maru*; table 2).

Total of 175 salmonids including 167 chum, 1 pink, 13 and 7 chinook salmon were caught by surface trawl net operations or Pacific saury (*Cololabis saira*) survey in June 2007 (*R/V Oumi maru*; table3).

Total of 218 salmonids including 193 pink, 21 chum, 3 coho and 1 chinook salmon were caught by surface trawl net operations for Pacific saury survey in June and July 2007 (*R/V Hokuho maru*; table 4).

Total of 32 salmonids including 31 pink and 1 chum salmon were caught by surface trawl operations for Pacific saury (*Cololabis saira*) survey in June and July 2007 (*R/V Kouryou maru No 63*; table5).

Table 1. Summary data of incidental catches of anadromous by the Japanese Research Vessel *Tomi maru No.58* in the North Pacific Ocean during a period from August to September 2007.

| Species        | Date         | Latitude | Longitude | Catch  |             | Fork length (mm) |
|----------------|--------------|----------|-----------|--------|-------------|------------------|
|                |              |          |           | Number | Weight (kg) |                  |
| Chinook salmon | 27 August    | 46-56N   | 159-12E   | 3      | 4.72        | 500-540          |
|                | 28 August    | 47-00N   | 159-34E   | 2      | 7.13        | 610-655          |
|                | 29 August    | 46-01N   | 162-01E   | 4      | 14.45       | 605-720          |
|                | 30 August    | 44-40N   | 166-29E   | 3      | 12.44       | 615-695          |
|                | 10 September | 43-05N   | 165-02E   | 1      | 6.86        | 800              |
| Chum salmon    | 10 August    | 43-25N   | 159-39E   | 5      | 14.16       | 530-630          |
|                | 11 August    | 43-38N   | 159-10E   | 14     | 43.63       | 530-690          |
|                | 15 August    | 44-27N   | 156-45E   | 104    | 260.51      | 490-700          |
|                | 27 August    | 49-56N   | 159-12E   | 142    | 314.83      | 400-690          |
|                | 28 August    | 47-00N   | 159-34E   | 103    | 244.28      | 440-675          |
|                | 29 August    | 46-01N   | 162-01E   | 206    | 451.45      | 470-720          |
|                | 30 August    | 44-40N   | 166-29E   | 200    | 405.99      | 470-680          |
|                | 10 September | 43-05N   | 165-02E   | 5      | 19.68       | 590-730          |
| Pink salmon    | 15 August    | 44-27N   | 156-45E   | 1      | 1.13        | 490              |
| Total          |              |          |           | 793    | 1801.26     |                  |

Table2. Summary data of incidental catches of anadromous fish with the use of the gill net for Pacific saury by Japanese Research Vessel *Hokushin maru* in the North Pacific Ocean in July 2007.

| Species        | Date    | Latitude | Longitude | Catch Number | Average Fork length (mm) |
|----------------|---------|----------|-----------|--------------|--------------------------|
| Chinook salmon | 19 July | 43°30'N  | 155°30'E  | 1            | 890                      |
| Chum salmon    | 14 July | 45°30'N  | 162°30'E  | 1            | 491                      |
|                | 15 July | 46°30'N  | 161°00'E  | 7            | 480                      |
|                | 16 July | 46°30'N  | 159°30'E  | 6            | 426                      |
|                | 17 July | 45°30'N  | 158°30'E  | 1            | 516                      |
|                | 18 July | 44°30'N  | 157°30'E  | 1            | 646                      |
| Coho salmon    | 14 July | 45°30'N  | 162°30'E  | 5            | 568                      |
|                | 15 July | 46°30'N  | 161°00'E  | 3            | 520                      |
|                | 16 July | 46°30'N  | 159°30'E  | 1            | 550                      |
|                | 17 July | 45°30'N  | 158°30'E  | 1            | 564                      |
| Pink salmon    | 14 July | 45°30'N  | 162°30'E  | 13           | 457                      |
|                | 15 July | 46°30'N  | 161°00'E  | 14           | 447                      |
|                | 16 July | 46°30'N  | 159°30'E  | 6            | 469                      |
|                | 17 July | 45°30'N  | 158°30'E  | 12           | 450                      |
|                | 18 July | 44°30'N  | 157°30'E  | 5            | 460                      |
|                | 19 July | 45°30'N  | 158°30'E  | 1            | 564                      |
| Total          |         |          |           | 78           |                          |

Table3. Summary data of incidental catches of anadromous fish with the use of the surface trawl net for Pacific saury by Japanese Research Vessel *Oumi maru* in the North Pacific Ocean in June 2007

| Species        | Date    | Latitude | Longitude | Catch Number |
|----------------|---------|----------|-----------|--------------|
| Chinook salmon | 20 June | 44°31'N  | 177°01'W  | 1            |
|                | 21 June | 44°30'N  | 173°00'W  | 3            |
|                | 21 June | 43°46'N  | 173°04'W  | 3            |
| Chum salmon    | 12 June | 41°40'N  | 173°00'E  | 2            |
|                | 20 June | 43°45'N  | 177°01'W  | 19           |
|                | 20 June | 44°31'N  | 177°01'W  | 27           |
|                | 21 June | 44°30'N  | 173°00'W  | 59           |
|                | 21 June | 43°46'N  | 173°01'W  | 51           |
|                | 22 June | 43°00'N  | 173°00'W  | 2            |
|                | 28 June | 42°31'N  | 166°53'E  | 7            |
| Pink salmon    | 20 June | 43°45'N  | 177°01'W  | 1            |
| Sum            |         |          |           | 175          |

Table4. Summary data of incidental catches of anadromous fish with the use of the surface trawl net for Pacific saury by Japanese Research Vessel *Hokuho maru* in the North Pacific Ocean in June and July 2007

| Species        | Date    | Latitude | Longitude | Catch Number |
|----------------|---------|----------|-----------|--------------|
| Chinook salmon | 3 July  | 44°02'N  | 171°05'E  | 1            |
| Chum salmon    | 16 June | 41°52'N  | 150°58'E  | 1            |
|                | 17 June | 42°17'N  | 151°18'E  | 6            |
|                | 21 June | 41°14'N  | 159°01'E  | 1            |
|                | 28 June | 42°20'N  | 162°59'E  | 2            |
|                | 29 June | 41°22'N  | 165°35'E  | 2            |
|                | 30 June | 42°33'N  | 169°40'E  | 1            |
|                | 30 June | 42°56'N  | 169°39'E  | 1            |
|                | 1 July  | 43°44'N  | 171°04'E  | 2            |
|                | 2 July  | 43°30'N  | 170°59'E  | 3            |
|                | 3 July  | 43°03'N  | 171°01'E  | 2            |
| Coho salmon    | 1 July  | 45°16'N  | 170°59'E  | 1            |
|                | 2 July  | 43°24'N  | 170°55'E  | 1            |
|                | 2 July  | 43°22'N  | 170°56'E  | 1            |
| Pink salmon    | 14 June | 41°01'N  | 147°00'E  | 13           |
|                | 15 June | 41°19'N  | 149°58'E  | 7            |
|                | 16 June | 42°13'N  | 150°59'E  | 7            |
|                | 16 June | 41°38'N  | 150°52'E  | 3            |
|                | 17 June | 42°17'N  | 151°15'E  | 84           |
|                | 17 June | 42°21'N  | 151°19'E  | 8            |
|                | 19 June | 40°27'N  | 153°04'E  | 1            |
|                | 19 June | 41°23'N  | 154°54'E  | 5            |
|                | 20 June | 42°29'N  | 157°59'E  | 4            |
|                | 20 June | 42°54'N  | 157°49'E  | 5            |
|                | 20 June | 43°25'N  | 158°51'E  | 37           |
|                | 21 June | 41°42'N  | 159°01'E  | 3            |
|                | 21 June | 41°14'N  | 159°01'E  | 1            |
|                | 28 June | 41°45'N  | 162°58'E  | 2            |
|                | 24 June | 42°20'N  | 162°59'E  | 6            |
|                | 29 June | 42°03'N  | 166°25'E  | 1            |
|                | 30 June | 42°32'N  | 169°40'E  | 1            |
|                | 2 July  | 43°30'N  | 170°59'E  | 4            |
|                | 2 July  | 43°24'N  | 171°00'E  | 1            |
|                | Total   |          |           |              |

Table5. Summary data of incidental catches of anadromous fish with the use of the surface trawl net for Pacific saury by Japanese Research Vessel *Kouryou maru No. 63* in the North Pacific Ocean in June and July 2007.

| Species     | Date    | Latitude | Longitude | Catch  |             | Fork length (mm) |
|-------------|---------|----------|-----------|--------|-------------|------------------|
|             |         |          |           | Number | Weight (kg) |                  |
| Pink salmon | 2 June  | 41-50N   | 151-04E   | 9      | 7.20        | 395-425          |
|             | 3 June  | 41-56N   | 151-17E   | 10     | 9.50        | 385-455          |
|             | 3 July  | 41-39N   | 157-01E   | 7      | 6.79        | 445-534          |
|             | 9 July  | 41-39N   | 157-01E   | 4      | 3.95        | 445-465          |
|             | 10 July | 42-17N   | 156-11E   | 1      | 1.15        | 465              |
| Chum salmon | 10 July | 42-17N   | 156-11E   | 1      | 1.85        | 515              |
| Total       |         |          |           | 32     | 30          |                  |