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**Incidental Catches of anadromous fish by Japanese Research Vessel  
in the North Pacific Ocean in 2005**

**by**

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**by**

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Some Japanese research vessels conducted the scientific fisheries operation with possibilities of the incidental catch of anadromous fish in 2005.

Among them, *R/V Tomi maru No.58*, which conducted the experimental towing of the surface and mid water trawl gear 153 times to develop the commercial fishery on pacific pomfret (*Brama japonica*) during a period from 6th June to 6th September 2005, had caught a total of 3,340 pacific salmons incidentally. The details of the catch are shown in table 1. The geographical distribution of the number of catch per tow is shown in Fig.1.

Total of 151 salmomids including 27 chum salmon, 108 pink salmon, 15 coho salmon, and 1 steel head trout had also caught by gill net survey for Pacific saury in July 2005 ( table 2).

Table 1. Summary data of incidental catches of anadromous fish with the use of the surface and mid water trawl gear by Japanese Research Vessel Tomi Maru No.58 in the North Pacific Ocean during a period from June to September 2005.

Species	Date	Latitude	Longitude	Catch		Fork length (cm)
				Number	Weight (kg)	
Chinook salmon	13 July	41°20'N	160°22'E	2	8.56	64-73
	25 July	43°52'N	170°38'E	1	0.76	38
	6 August	45°33'N	168°05'W	1	7.22	81
	7 August	44°44'N	168°31'W	1	10.20	90
	10 August	47°38'N	163°04'W	1	5.94	72
	14 August	49°22'N	154°04'W	1	3.13	62
	15 August	49°42'N	153°39'W	1	4.82	70
	18 August	48°37'N	171°37'W	1	3.95	67
	19 August	48°24'N	173°48'W	1	4.48	68
	<i>ibid</i>	48°17'N	174°41'W	2	6.86	47-72
	21 August	45°53'N	177°32'W	3	17.15	72-75
	24 August	45°35'N	176°22'E	2	10.07	64-69
2 September	45°28'N	157°55'E	1	NA	60	
Chum salmon	13 June	38°34'N	162°36'E	1	3.25	64
	7 July	40°35'N	162°55'E	1	4.73	69
	8 July	40°40'N	163°05'E	4	16.42	59-70
	9 July	40°39'N	163°10'E	3	8.44	53-64
	10 July	40°35'N	163°30'E	7	28.12	58-72
	<i>ibid</i>	41°07'N	160°55'E	2	4.59	56-57
	25 July	43°52'N	170°38'E	14	28.03	46-59
	<i>ibid</i>	43°35'N	169°43'E	123	236.03	43-60
	26 July	43°25'N	173°49'E	167	298.96 *	43-63
	27 July	43°58'N	175°02'E	1	3.18	60
	28 July	43°36'N	178°58'E	4	6.96	48-52
	29 July	44°59'N	177°46'E	94	154.01 *	41-60
	30 July	44°22'N	175°36'E	44	84.06 *	36-57
	31 July	44°31'N	175°02'E	134	NA	<i>unknown</i>
	2 August	45°17'N	179°14'E	122	222.87	42-62
	<i>ibid</i>	45°00'N	179°52'W	20	34.72	45-59
	10 August	47°57'N	163°40'W	2	8.34	58-86
	<i>ibid</i>	47°38'N	163°04'W	5	8.78	43-60
	14 August	49°22'N	154°04'W	1	2.21	54
	15 August	49°55'N	153°55'W	1	1.65	52
	<i>ibid</i>	49°42'N	153°39'W	6	10.43	48-59
	16 August	49°53'N	160°02'W	468	478.24 *	33-57
	17 August	49°51'N	166°07'W	152	167.51 *	40-55
	18 August	48°37'N	171°37'W	679	867.46 *	39-57
	19 August	48°24'N	173°48'W	50	68.36	38-62
	<i>ibid</i>	48°17'N	174°41'W	204	227.42 *	37-51
	20 August	46°25'N	176°53'W	482	886.31 *	45-56
	21 August	46°29'N	179°49'W	46	81.91 *	47-59
	<i>ibid</i>	45°53'N	177°32'W	51	103.43	49-62
	24 August	45°27'N	176°24'E	5	NA	54
	<i>ibid</i>	45°35'N	176°22'E	23	54.79	48-62
	25 August	46°00'N	171°21'E	33	84.96 *	49-59
26 August	45°00'N	169°32'E	8	21.76	52-63	
<i>ibid</i>	45°01'N	170°21'E	4	11.33	52-65	
27 August	45°09'N	172°56'E	1	3.27	63	
29 August	45°58'N	164°44'E	59	139.98 *	51-61	
<i>ibid</i>	46°06'N	164°14'E	168	402.86 *	49-73	
2 September	45°28'N	157°55'E	126	365.34 *	51-78	
Coho salmon	10 July	41°07'N	160°55'E	1	5.44	69
	25 July	43°52'N	170°38'E	1	3.11	61
	<i>ibid</i>	43°35'N	169°43'E	1	3.26	61
	26 July	43°25'N	173°49'E	1	4.23	63
	29 July	44°59'N	177°46'E	1	2.79	58
Steel head	5 August	44°14'N	167°23'W	1	8.32	92
Unidentified	7 July	40°35'N	162°55'E	1	1.02	45
Sum				3,340		

\* Calculated value by use of average body weight

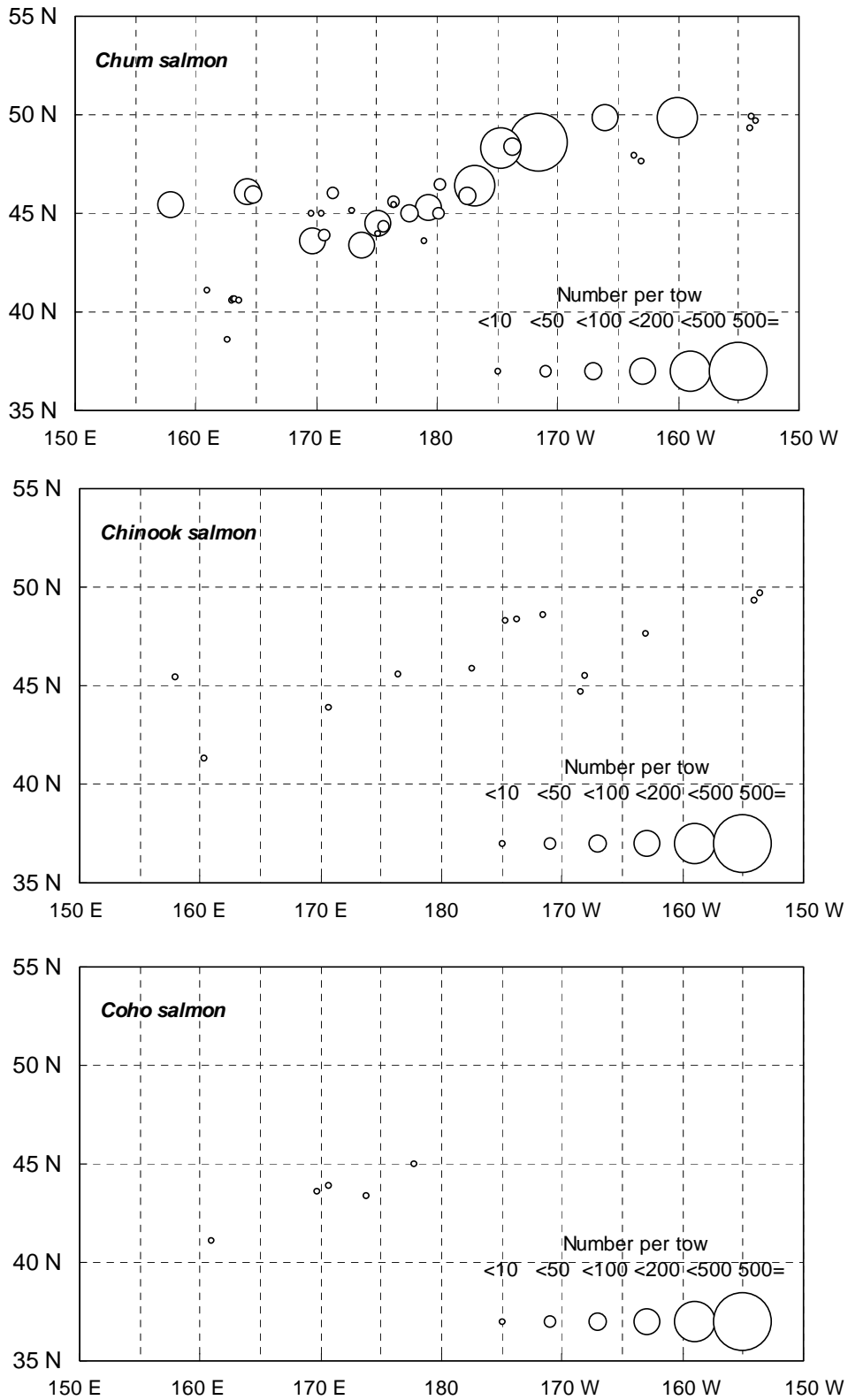


Figure 1. Geographical distribution of incidental catch of anadromous fish per tow with the use of the surface and mid water trawl gear by Japanese Research Vessel Tomi Maru No.58 in the North Pacific Ocean during a period from June to September 2005.

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 2005.

Species	Date	Latitude	Longitude	Catch Number	Average Fork length (cm)
Pink salmon	13 July	45°30'N	162°30'E	14	434
	14 July	46°30'N	161°00'E	10	447
	15 July	46°30'N	159°30'E	39	434
	16 July	45°30'N	158°30'E	25	435
	17 July	44°30'N	157°30'E	20	446
Chum salmon	13 July	45°30'N	162°30'E	9	603
	14 July	46°30'N	161°00'E	7	677
	15 July	46°30'N	159°30'E	1	715
	16 July	45°30'N	158°30'E	4	713
	17 July	44°30'N	157°30'E	6	657
Coho salmon	14 July	46°30'N	161°00'E	5	571
	15 July	46°30'N	159°30'E	1	520
	16 July	45°30'N	158°30'E	4	596
	17 July	44°30'N	157°30'E	5	589
Steel head	4 August	45°30'N	162°37'E	1	840
Sum				151	