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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 deta of the catch by this vessel are shown in table 1.

Total of 78 salmomids including 16 chum salmon, 51 pink salmon, 10 coho salmon, and 1 chinook salmon were caught by gill net survey for Pacific saury survy 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 sury (*Cololabis saira*) survey in June 2007 (*R/V Oumi maru*; table3).

Total of 218 salmonids including 193 pink, 21 chum, 3 coho and 1 chinnok 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				218

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	