

諏訪湖における1932～1940年間と1950～1979年間の月別漁獲量の経年変化の資料

— 諏訪湖漁業協同組合の資料による —

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Materials of Transitions in Monthly Landing Amounts of Commercial Fishes in Lake Suwa from 1932 to 1940 and from 1950 to 1979—Recorded by Suwako Fisheries Cooperative Association—

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諏訪湖の年間の漁獲高、出荷金額高および各種漁獲物について、過去80余年間の経年変化の生(なま)資料は、文部省「環境科学」特別研究報告の諏訪湖集水域生態系研究の第4号(資料第2号)(倉沢・他1980)に、また、これら資料に基づいて、経年変化の経過の詳細を検討し考察論議した結果を本誌に掲載した(倉沢1980)。

しかしながら、上記資料と報文は1年間の集計データであるので、各年毎の漁獲高の推移は明確にはなっても、1年間の月毎の増減経過は無視される結果となる。そもそも、漁獲量の経年変化の推移は各年における季節増減の実態の知識に立脚してこそ、その真髄を明らかにできるのであると考えられる。それ故に、諏訪湖漁業組合、長野県水産指導所諏訪支所および関係諸機関に連絡し、その資料の収集に努めた。その結果えられたものは1932年(昭和7年)～1940年(昭和15年)の間の年の1～12月、1942年(昭和17年)の1～6月および1950年(昭和25年)～1979年(昭和54年)の間の年の1～12月の毎月のデータで、それには出荷金額高も連記してある。昭和7年(1932)といえは漁業協同組合の組織が確立され、完全な共同販売制度が実施されるに至った年であり(長野県漁業協同組合連合会1969)、1942年の中途半端な記録と1949年までの間の年代の欠落は、大太平洋戦争中および戦後の混乱期のため、記録が紛失したものと思われる。

諏訪湖漁業協同組合および水産指導所諏訪支所の保管書類には、1958年(昭和33年)までは漁獲量の重量

単位は尺貫法で記されているが、これをすべてkgに換算し統一してTable 1(1～40)に示した。

作表に当たっての詳細は、本誌掲載の報文に詳しいのでそれに説明をゆずる(倉沢1980)。

本報告の作成には、諏訪湖漁業協同組合長林健氏および同組合事務所の職員各位、長野県水産指導所諏訪支所職員各位、信州大学理学部付属諏訪湖実験所職員各位の御協力をえた。記して感謝の意を表す。

本報告は、文部省「環境科学」特別研究の諏訪湖集水域生態系研究の一環としてなされたものである。

引用文献

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Table 1. Monthly changes in landing amounts of commercial fishes, molluscs and shrimps in Lake Suwa from 1932 to 1940 and from 1950 to 1979.

M, T and S in the table show Meiji, Taisho and Showa, Japanese names of era, respectively.

Table 1-1. Monthly changes in landing amounts of fishes in 1932.

Species	1932 (S. 7) Month		1		2		3		4		5		6		7		8		9		10		11		12	
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo <i>Oncorhynchus rhodurus</i>					11	0.0	4	0.0	9	0.0	15	0.1	15	0.1	5	0.0			1	0.0	1	0.0	6	0.0		
Ayu <i>Plecoglossus altivelis</i>															101	0.5	45	0.2			1	0.0	1	0.0		
Wakasagi <i>Hypomesus olidus</i>	15229	32.4	14940	35.5	8708	17.2	1033	3.2	41	0.1	469	3.2	611	4.0	5895	29.9	11753	42.2	15409	45.0	9930	37.2	22373	47.3		
Namazu <i>Parasilurus asotus</i>	334	0.7	374	0.9	311	0.6	251	0.8	344	1.1	780	5.5	866	5.7	386	2.0	521	1.9	439	1.3	169	0.6	251	0.5		
Moroko <i>Gnathopogon e.</i>	3218	6.8	2175	5.2	2280	4.5	743	2.4	458	1.5	690	4.7	1830	12.1	2038	10.3	1804	6.5	3015	8.8	4988	18.7	5134	10.9		
Motsugo <i>Pseudorasbora p.</i>					15	0.0	5	0.0	75	0.2	57	0.4	206	1.4	30	0.2					11	0.0	23	0.1		
Kamatsuka <i>Pseudogobio esocinus</i>	281	0.6	236	0.6	221	0.4	5	0.0	1	0.0	2	0.0	30	0.2	56	0.3	90	0.3	150	0.4	143	0.5	176	0.4		
Higai <i>Sarcocheilichthys variegatus</i>	14	0.0	4	0.0	8	0.0	5	0.0	26	0.1	8	0.1	4	0.0	2	0.0	101	0.4	8	0.0	15	0.1	30	0.1		
Ugui <i>Tribolodon hakonensis</i>	630	1.3	317	0.8	821	1.6	257	0.8	8378	27.7	1436	9.7	2828	18.7	1579	8.0	398	1.4	465	1.4	330	1.2	285	0.6		
Oikawa <i>Zacco platypus</i>	21390	45.5	12645	30.0	8295	16.4	7129	22.6	6716	22.2	4549	31.0	3514	23.5	3465	17.6	3809	13.7	3413	10.0	4406	16.5	10766	22.8		
Haya <i>Carassius carassius</i>	1211	2.6	608	1.4	683	1.3	447	1.4	3008	9.9	2951	19.9	514	3.4	1069	5.4	1421	5.3	1208	3.5	1373	5.1	1785	3.8		
Koi <i>Cyprinus carpio</i>	71	0.2	90	0.2	191	0.4	1084	3.4	1230	4.1	536	3.6	469	3.1	206	1.0	780	2.8	1058	3.1	45	0.2	41	0.1		
Dojo <i>Cobitidae</i>	6	0.0	32	0.1	18	0.0	339	1.1	1219	4.1	1226	8.3	1223	8.1	899	4.5	746	2.7	844	2.5	398	1.5	6	0.0		
Unagi <i>Anguilla japonica</i>	15	0.0	11	0.0	17	0.0	3	0.0	5	0.0	4	0.0	21	0.1	19	0.1	8	0.0	10	0.0	26	0.1	26	0.1		
Haze <i>Gobiidae</i>																										
Total (Fish)	42399	90.1	31432	74.7	18579	36.7	11305	35.9	21510	71.0	12763	86.2	12131	80.3	15740	79.8	21476	77.1	26020	76.0	16848	63.2	40903	86.5		
Tanishi <i>Viviparidae</i>	643	1.4	7022	16.7	9247	18.2	7018	22.3	2654	8.8	399	2.7	221	1.5	274	1.4	922	3.3	2158	6.3	114	0.4	1294	2.7		
Shijimi <i>Corbiculidae</i>	1214	2.6	903	2.1	1393	2.7	1919	6.0	910	3.0	780	5.3	1676	11.1	2660	13.5	501	1.8	4681	13.7	7853	29.4	2682	5.7		
Karasugai <i>Unionidae</i>	1755	3.7	2211	5.3	21009	41.5	11118	35.3	5161	17.0	673	4.5	996	6.6	366	1.9	4152	14.9	215	0.6	105	0.4	396	0.8		
Total (Molluscs)	3612	7.6	10136	24.1	31649	62.4	20055	63.7	8725	28.8	1852	12.5	2893	19.1	3300	16.7	5575	20.0	7054	20.6	8072	30.3	4372	9.3		
Ebi <i>Shrimps</i>	1046	2.2	525	1.2	454	0.9	131	0.4	56	0.2	191	1.3	86	0.6	683	3.5	814	2.9	1163	3.4	1759	6.5	1988	4.2		
Total sum	47057	100	42093	100	50682	100	31491	100	50291	100	14806	100	15110	100	19723	100	27865	100	34237	100	26679	100	47263	100		

Table 1-2. Monthly changes in landing amounts of fishes in 1933.

Species	1933 (S. 8) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>	8				0.3		2				4		18				2		1		1			
Ayu	<i>Plecoglossus altivelis</i>		0.0			0.0		0.0				0.0		0.0				45	0.1	4	0.0	5	0.0	1	0.0
Wakasagi	<i>Hypomesus olidus</i>	5265	13.7	8355	49.9	5310	7.5	2468	2.6	29	0.0	162	0.1	408	0.7	3431	11.5	6334	18.7	11033	17.4	5768	6.7	9353	9.9
Namazu	<i>Parasilurus asotus</i>	194	0.5	240	1.4	221	0.3	769	0.8	488	0.3	611	0.5	758	1.4	386	1.3	296	0.9	229	0.4	311	0.4	263	0.3
Moroko	<i>Gnathopodon e.</i>	1725	4.5	1238	7.4	1669	2.3	1196	1.3	1035	0.6	2363	1.9	1470	2.6	1991	6.7	3990	11.8	4526	7.1	7241	8.4	4459	4.7
Motsugo	<i>Pseudorasbora p.</i>							7		5		56		21		56		9				7		32	
Kamatsuka	<i>Pseudogobio esocinus</i>							0.0		0.0		0.0		0.0		0.0		0.2		0.0		0.0		0.0	
Higai	<i>Sarcocheilichthys variegatus</i>	149	0.4	578	3.5	229	0.3	29	0.0	25	0.0	45	0.0	154	0.3	39	0.1	18	0.1	9	0.0	146	0.2	116	0.1
Ugui	<i>Tribolodon hakonensis</i>	3	0.0	3	0.0	5	0.0	10	0.0	60	0.0	45	0.0	9	0.0	18	0.1	63	1.3	139	0.2	35	0.0	35	0.0
Akאו	<i>Zacco platypus</i>	98	0.2	15	0.1	424	0.6	116	0.1	776	0.5	1155	0.9	1193	2.1	1328	4.4	589	1.7	491	0.8	349	0.4	536	0.6
Oikawa	<i>Carassius carassius</i>	6304	16.7	461	2.8	5314	7.5	3934	4.2	4043	2.5	3390	2.7	3563	6.4	3420	11.4	3270	9.7	4084	6.4	6094	7.0	8299	8.8
Haya	<i>Cyprinus carpio</i>	323	0.8	114	0.7	454	0.6	353	0.4	439	0.3	844	0.7	113	0.2	2145	7.2	3289	9.7	3574	5.6	3086	3.6	5051	5.4
Funa	<i>Cobitidae</i>	36	0.1	60	0.4	180	0.3	559	0.6	525	0.3	728	0.6	604	1.1	109	0.4	825	2.4	1429	2.3	156	0.2	110	0.1
Dojo	<i>Anguilla japonica</i>	96	0.2	158	0.9	35	0.1	184	0.2	2044	1.2	2104	1.7	1238	2.2	1223	4.1	1125	3.3	1271	2.0	58	0.1	14	0.0
Unagi	<i>Gobiidae</i>	170	0.4	51	0.3	35	0.1	11	0.0			56	0.0	153	0.3			349	1.0	160	0.3	76	0.1	66	0.1
Haze																									
Total	(Fish)	14371	37.7	11273	67.4	13876.3	19.5	9638	10.2	9469	5.8	11563	9.3	9702	17.4	14146	47.4	20580	60.8	26950	42.5	23333	26.9	28335	30.0
Tanishi	Viviparidae	17639	46.2	2333	13.9	28888	40.6	34264	36.3	10720	6.5	11637	9.4	3656	6.5	158	0.5	1003	3.0	3661	5.8	9497	11.0	2737	2.9
Shijimi	Corbiculidae	1622	3.4	833	5.0	1289	1.8	1003	1.1	491	0.3	649	0.5	1481	2.7	3295	11.0	4293	12.7	5649	8.9	3362	3.9	6334	6.7
Karasugai	Unionidae	3491	9.1	604	3.6	26332	37.0	49304	52.2	143629	87.3	100030	80.5	40508	72.6	11385	38.1	6782	20.0	25957	41.0	48621	56.1	55509	58.8
Total	(Molluscs)	22752	59.6	3770	22.5	56509	79.5	84571	89.6	154840	94.1	112316	90.4	45645	81.8	14838	49.7	12078	35.6	35267	55.7	61480	70.9	64580	68.4
Ebi	Shrimps	1039	2.7	1684	10.1	735	1.0	221	0.2	180	0.1	341	0.3	476	0.8	885	2.9	1211	3.6	1129	1.8	1856	2.2	1466	1.6
Total sum		58162	100	16727	100	71120.3	100	94430	100	164489	100	124220	100	55823	100	29869	100	33869	100	63346	100	86669	100	94381	100

Table 1-3. Monthly changes in landing amounts of fishes in 1934.

Species	1934 (S. 9) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>					1	0.0	6	0.0	14	0.0	17	0.0			4	0.0			5	0.0	4	0.0	4	0.0
Ayu	<i>Plecoglossus altivelis</i>													1	0.0	23	0.1	31	0.1	15	0.0				
Wakasagi	<i>Hypomesus olidus</i>	6315	10.0	6105	8.8	6164	2.0	3308	1.3	934	1.3	1395	2.4	975	2.1	9720	15.8	8483	21.1	11580	21.0	8336	21.3	16294	14.6
Namazu	<i>Parasilurus asotus</i>	255	0.4	356	0.5	278	0.1	248	0.0	536	0.8	870	1.5	724	1.5	503	0.8	356	0.9	184	0.3	255	0.6	424	0.4
Moroko	<i>Gnathopodon e.</i>	866	1.4	1256	1.8	2106	0.6	1718	0.7	964	1.4	1421	2.4	1301	2.8	1560	2.5	2284	5.7	3587	7.0	4831	12.4	4594	4.1
Motsugo	<i>Pseudorasbora p.</i>																								
Kamatsuka	<i>Pseudogobio esocinus</i>							11	0.0	11	0.0	19	0.0	34	0.1	32	0.1	20	0.1	12	0.0	6	0.0	1	0.0
Higai	<i>Sarcocheilichthys variegatus</i>	938	1.5	859	1.2	276	0.1	274	0.1	63	0.1	36	0.1	45	0.1	119	0.2	121	0.3	90	0.2	45	0.1	96	0.1
Ugui	<i>Tribolodon hakonenis</i>	0.4	0.0	1	0.0	9	0.0	45	0.0	71	0.1	55	0.1	49	0.1	36	0.1	27	0.1	26	0.1	33	0.1	20	0.0
Akaiwa	<i>Zacco platypus</i>	161	0.3	83	0.1	259	0.1	266	0.1	364	0.5	675	1.2	870	1.9	417	0.7	326	0.8	356	0.6	341	0.9	503	0.5
Haya	<i>Carassius carassius</i>	1421	2.2	213	0.3	5625	1.8	4286	1.7	7016	9.8	6203	10.6	3064	6.5	3578	5.8	4448	11.1	2835	5.1	4579	11.7	24148	21.7
Funa	<i>Cyprinus carpio</i>	679	1.1	62	0.1	2018	0.6	1725	0.7	1751	2.5	1680	2.9	843	1.8	1583	2.6	2801	7.0	2910	5.3	2876	7.4	5839	5.2
Koi	Cobitidae	68	0.1	71	0.2	229	0.0	503	0.2	398	0.6	248	0.4	589	1.3	495	0.8	2115	5.3	390	0.7	204	0.5	270	0.2
Dojo	<i>Anguilla japonica</i>	53	0.1	114	0.2	56	0.0	281	0.1	1736	2.4	2274	3.9	1305	2.8	803	1.3	664	1.6	368	0.7	18	0.1	2	0.0
Unagi	Gobiidae	131	0.2	124	0.2	17	0.0	1405	0.6	289	0.4	249	0.4	312	0.7	255	0.4	183	0.5	12	0.0	9	0.0		
Haze																									
Total	(Fish)	10887.4	17.2	9244	13.3	17038	5.5	14076	5.5	14147	19.8	15142	25.9	10111	21.6	19106	31.0	21851	54.3	22386	40.6	21552	55.1	52195	46.8
Tanishi	Viviparidae	2941	4.6	3561	5.1	5867	1.9	27162	10.7	3812	5.3	2005	3.4	326	0.7	488	0.8	153	0.4	1406	2.5	14782	37.8	1761	1.6
Shijimi	Corbiculidae	16946	26.7	1258	1.8	1170	0.4			2490	3.5	4271	7.3	2337	5.0	4440	7.2	2637	6.6	4780	8.7	1127	2.9	525	0.5
Karasugai	Unionidae	31069	49.0	53440	76.9	287146	91.9	213217	83.6	50337	70.6	35500	60.7	33560	71.7	37017	60.0	14060	34.9	25000	45.3	53	0.1	56284	50.5
Total	(Molluscs)	50956	80.4	58239	83.9	294183	94.2	240379	94.3	56639	79.4	41776	71.5	36223	77.4	41914	68.0	16850	41.9	31186	56.5	15962	40.8	58570	52.5
Ebi	Shrimps	1530	2.4	1961	2.8	1118	0.4	525	0.2	495	0.7	1530	2.6	461	1.0	645	1.0	1549	3.8	1631	2.9	1571	4.0	724	0.7
Total sum		63373.4	100	69444	100	312359	100	254980	100	71281	100	58448	100	46795	100	61696	100	40250	100	55203	100	39085	100	111489	100

諏訪湖月別魚獲高の経年変化の資料

Table 1-4. Monthly changes in landing amounts of fishes in 1935.

Species	1935 (S.10) Month	1		2		3		4		5		6		7		8		9		10		11		12		
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>							0.3		5		10		6		3		2		4		3		2		0.0
Ayu	<i>Plecoglossus altivelis</i>							0.0		0.0		0.0		1		2		10		7		0.2		0.0		0.0
Wakasagi	<i>Hypomesus olidus</i>	11359	27.9	10984	36.9	6356	10.6	1500	1.7	191	0.2	1061	2.1	773	2.3	7676	19.0	17468	33.3	20280	28.3	17329	20.9	11115	10.7	
Namazu	<i>Parasilurus asotus</i>	147	0.4	108	0.4	139	0.2	283	0.3	919	1.2	1391	2.8	559	1.7	724	1.8	364	0.7	139	0.2	155	0.2	165	0.2	
Moroko	<i>Gnathopodon e.</i>	1136	2.8	683	2.3	1736	2.9	1639	1.8	731	0.9	731	1.4	1005	3.0	1187	2.9	1523	2.9	2400	3.4	6090	7.3	7	0.0	
Motsugo	<i>Pseudorasbora p.</i>																									
Kamatsuka	<i>Pseudogobio esocinus</i>			4	0.0	9	0.0	14	0.0	88	0.1	26	0.1	56	0.2	53	1.3	15	0.0	8	0.0	13	0.0	7	0.0	
Higai	<i>Sarcocheilichthys variegatus</i>	270	0.7	315	1.1	180	0.3	48	0.1	66	0.1	35	0.1	128	0.4	221	0.5	149	0.3	478	0.7	131	0.2	263	0.3	
Ugui	<i>Tribolodon hakonensis</i>	8	0.0	16	0.1	29	0.1	26	0.0	62	0.1	53	0.1	46	0.1	26	0.1	11	0.0	26	0.0	25	0.0	263	0.3	
Akאו	<i>Zacco platypus</i>	210	0.5	420	1.4	578	1.0	165	0.2	345	0.4	638	1.3	1170	3.5	638	1.3	353	0.7	263	0.4	319	0.4	263	0.3	
Oikawa	<i>Carassius carassius</i>	8726	21.3	8981	30.2	11273	18.9	4376	4.9	3979	5.1	4628	9.2	2636	7.9	3270	8.1	3371	6.4	3113	4.3	5550	6.7	12465	12.0	
Haya	<i>Cyprinus carpio</i>	293	0.7	1245	4.2	1001	1.7	600	0.7	638	0.8	768	1.5	608	1.8	784	1.9	1144	2.2	1185	1.7	1519	1.8	1399	1.3	
Funa	<i>Hypophthalmichthys molitrix</i>	88	0.2	24	0.1	13	0.0	446	0.5	443	0.6	122	0.2	168	0.5	709	1.8	2918	5.6	1099	1.5	105	0.1	75	0.1	
Koi	<i>Cobitidae</i>	43	0.1	25	0.1	56	0.1	840	0.9	2319	3.0	2100	4.2	1530	4.6	1131	2.8	1099	2.1	457	0.6	58	0.1	21	0.0	
Rengyo	<i>Anguilla japonica</i>											0.2		12		25		87		40		81		87	0.1	
Dojo	<i>Gobiidae</i>	75	0.2	17	0.1	4	0.0			207	0.3	443	0.9	888	2.7	7	0.0	59	0.1			6		7	0.0	
Total (Fish)		22355	54.7	22822	76.6	21374	35.8	9937.3	11.2	9993	12.9	12006.2	23.8	9586	28.9	16456	40.8	28573	54.4	29479	41.2	31384.2	37.8	25869	24.8	
Tanishi	Viviparidae	2118	5.2	6059	20.4	2427	4.1	21209	23.9	21829	28.2	18912	37.4	13695	41.3	7331	18.2	8035	15.3	11430	16.0	1551	1.9	16606	15.9	
Shijimi	Corbiculidae	319	0.8	191	0.6	1643	2.8	2669	3.0	928	1.2	1095	2.2	2312	7.0	2195	5.4	4447	8.5	3108	4.3	1876	2.3	2460	2.4	
Karasugai	Unionidae	15025	36.7	79	0.3	33879	56.8	54906	61.8	44116	57.1	17531	34.7	7051	21.2	13622	33.7	9870	18.8	24754	34.5	44710	54.0	56807	54.5	
Total (Molluscs)		17426	42.7	6329	21.3	37949	63.6	78784	88.7	66873	86.5	37538	74.3	23038	69.4	23148	57.3	22352	42.6	39292	54.9	48137	58.1	75873	72.8	
Ebi	Shrimps	1069	2.6	626	2.1	375	0.6	131	0.1	420	0.5	960	1.9	570	1.7	769	1.9	1553	3.0	2854	3.9	3409	4.1	2471	2.4	
Total sum		40886	100	29777	100	59698	100	88852.3	100	77286	100	50504.2	100	33194	100	40373	100	52478	100	71625	100	82930.2	100	104213	100	

Table 1-5. Monthly changes in landing amounts of fishes in 1936.

Species	1936 (S.11) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus</i>				8		22		51		116		98		37		4		8		1		1					
	<i>rhodurus</i>					0.0		0.0		0.1		2.0		0.2		0.1		0.0		0.0		0.0		0.0			0.0	
Ayu	<i>Plecoglossus</i>				3		0.0						5		3		71		4		4		4			1	0.0	
	<i>altivelis</i>							0.0					0.0		0.0		0.1		0.0		0.0						0.0	
Wakasagi	<i>Hypomesus</i>	1148		974		12636		8524		2649		840		2482		2153		23535		23224		19560		21413				
	<i>olidus</i>		2.8		2.8		25.4		8.8		2.5		1.5		5.1		3.8		33.5		26.5		18.3		176		27.2	
Namazu	<i>Parasilurus</i>	390		114		180		214		639		1350		977		690		270		203		150		176			0.2	
	<i>asotus</i>		1.0		0.3		0.4		0.2		0.6		2.4		2.0		1.2		0.4		0.2		0.1		34		0.2	
Tanago	<i>Pseudoperilampus t.</i>																79		99		124		34				0.0	
	<i>Rhodeus o.</i>																	0.1		0.1		0.1		0.1			0.0	
Moroko	<i>Gnathopodon e.</i>	1586		585		754		1421		1239		923		1208		1151		3113		4740		7530		3728				4.7
Motsugo	<i>Pseudorasbora p.</i>		3.9		1.7		1.5		1.5		1.2		1.6		2.5		2.0		4.4		5.4		7.0				4.7	
Kamatsuka	<i>Pseudogobio</i>					12		6		81		32		28		102		6		6								
	<i>esocinus</i>					0.0		0.0		0.1		0.1		0.1		0.2		0.0		0.0								
Higai	<i>Sarcocheilichthys</i>	555		244		85		94		122		63		154		266		353		82		79		79				0.1
	<i>variegatus</i>		1.4		0.6		0.2		0.1		0.1		0.1		0.3		0.5		0.5		0.1		0.1		79		0.1	
Ugui	<i>Tribolodon</i>	35		32		41		106		64		29		26		23		21		14		32		79				0.1
Akawa	<i>hakonensis</i>		0.1		0.1		0.1		0.1		0.1		0.1		0.0		0.0		0.0		0.0		0.0		221		0.1	
Oikawa	<i>Zacco</i>	484		398		353		452		534		1133		979		510		255		90		98		221				0.1
Haya	<i>platypus</i>		1.2		1.1		0.7		0.5		0.5		2.0		2.0		0.9		0.4		0.1		0.1		21454		0.3	
Funa	<i>Carassius</i>	1481		292		4193		6904		11228		5640		2584		3088		4474		3371		5001		21454				27.3
	<i>carassius</i>		3.6		0.8		8.5		7.1		10.5		10.0		5.3		5.4		6.4		3.9		4.7		480		27.3	
Koi	<i>Cyprinus</i>	23		12		527		911		701		853		960		1605		2078		1661		2014		480				0.6
	<i>carpio</i>		0.1		0.0		1.1		0.9		6.5		1.5		2.0		2.8		3.0		1.9		1.9		480		0.6	
Dojo	Cobitidae	35		14		30		1166		428		544		245		356		1800		229		56		45				0.1
			0.1		0.0		0.1		1.2		0.4		0.9		0.5		0.6		2.6		0.3		0.1		14		0.1	
Unagi	<i>Anguilla</i>	36		27		26		217		1444		2778		1380		1159		934		690		47		14				0.0
	<i>japonica</i>		0.1		0.1		0.1		0.2		1.3		4.9		2.9		2.0		1.3		0.8		0.0		14		0.0	
Bora	<i>Mugil</i>	69		75																								0.0
	<i>cephalus</i>		0.2		0.2																							0.0
Haze	Gobiidae	58		53		14		16		5		28		571		1015		364		150		40						0.0
			0.1		0.2		0.0		0.0		0.0		0.0		1.2		1.8		0.5		0.2		0.0				0.0	
Total	(Fish)	5900		2820		18859		20056		19185		14329		11697		12158		37357		34565		34732		47725				60.7
			14.5		8.0		38.0		20.6		17.9		25.3		24.4		21.5		53.2		39.3		32.5		60.7			60.7
Tanishi	Viviparidae	7031		6824		6031		18209		22320		2387		15697		6478		8757		10440		12643		5754				7.3
			17.3		19.4		12.2		18.7		20.8		4.2		32.7		11.4		12.5		11.9		11.8		603			7.3
Shijimi	Corbiculidae	1153		430		803		184		173		110		3199		4696		1910		2211		1838		603				0.8
			2.8		1.2		1.6		0.2		0.2		0.2		6.7		8.3		2.7		2.5		1.7		603		0.8	
Karasugai	Unionidae	23431		23957		23405		58647		64803		38698		16684		30716		19983		36207		53219		22025				28.0
			57.6		68.0		47.2		60.2		60.5		68.4		34.7		54.2		28.5		41.3		49.8		22025			28.0
Total	(Molluscs)	31615		31211		30239		77040		87296		41195		35580		41489		30650		48858		67700		28382				36.1
			77.7		88.6		61.0		79.1		81.5		72.8		74.0		73.9		43.7		55.8		63.4		28382			36.1
Ebi	Shrimps	3158		1189		484		273		675		1068		769		2618		2149		4193		4403		2490				3.2
			7.8		3.4		1.0		0.5		0.6		1.9		1.6		4.6		3.1		4.7		4.1		2490		3.2	
Total sum		40673		35220		49582		97369		107156		56592		48046		56666		70156		87616		106835		78597				100
			100		100		100		100		100		100		100		100		100		100		100		78597			100

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Table 1-6. Monthly changes in landing amounts of fishes in 1937.

Species	1937 (S.12) Month		1		2		3		4		5		6		7		8		9		10		11		12		
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	1	0.0	1	0.0	13	0.0	1	0.0	7	0.0	23	0.0	36	0.1	5	0.0	3	0.0	3	0.0	1	0.0	3	0.0	0.0	0.0
Ayu	<i>Plecoglossus altivelis</i>											1	0.0		2	0.0	19	0.0	4	0.0	0.3	0.0					
Wakasagi	<i>Hypomesus olidus</i>	8644	15.2	6398	9.2	1264	1.2	1845	1.8	386	0.5	499	0.9	3454	12.2	9923	29.0	20603	35.2	23636	25.0	12878	11.0	17453	12.9		
Namazu	<i>Parasilurus asotus</i>	225	0.4	233	0.3	334	0.3	345	0.3	791	1.1	521	1.0	690	2.4	540	1.6	439	0.8	242	0.2	191	0.2	281	0.2	0.2	
Tanago	<i>Pseudoperilampus t. Rhodius o.</i>													4	0.0				22	0.0	23	0.0	1	0.0	0.0	0.0	
Moroko	<i>Gnathopodon e.</i>	1789		1560		1680		1628		877		885		1264		1188		2198		3589		5194		4024			
Motsugo	<i>Pseudorasbora p.</i>		3.2		2.2		1.6		1.6		1.2		1.6		4.5		3.5		3.8		3.8		4.4		3.0		
Kamatsuka	<i>Pseudogobio esocinus</i>					1	0.0	46	0.1	47	0.1	28	0.1	20	0.0	8	0.0	6	0.0	33	0.0	1	0.0	0.0	0.0		
Higai	<i>Sarcocheilichthys variegatus</i>	521	0.9	270	0.4	161	0.2	95	0.1	146	0.2	206	0.4	243	0.9	458	1.3	611	1.0	431	0.5	287	0.2	246	0.2	0.2	
Ugui	<i>Tribolodon hakonensis</i>	28	0.1	32	0.1	26	0.0	55	0.1	33	0.0	11	0.0	21	0.1	17	0.1	10	0.0	12	0.0	19	0.0	45	0.0	0.0	
Akawa	<i>Zacco platypus</i>	64	0.1	150	0.2	180	0.2	98	0.1	210	0.3	645	1.2	1088	3.8	671	2.0	319	0.5	165	0.2	206	0.2	555	0.4	0.4	
Haya	<i>Carassius carassius</i>	12158	21.4	10991	15.9	7283	7.1	3038	2.9	6874	9.3	5753	10.5	2873	10.2	2625	7.7	3049	5.2	3008	3.2	5546	4.7	19703	14.5		
Funa	<i>Cyprinus carpio</i>	1433	2.5	874	1.3	544	0.5	593	0.6	2419	3.3	975	1.8	499	1.8	731	2.1	1313	2.2	1849	2.0	1500	1.3	2629	1.9		
Dojo	Cobitidae	23	0.0	19	0.0	95	0.1	709	0.7	566	0.8	297	0.5	660	2.3	191	0.6	559	1.0	2449	2.6	200	0.2	68	0.1	0.1	
Unagi	<i>Anguilla japonica</i>	37	0.1	9	0.0	37	0.0	503	0.5	2891	3.9	2321	4.2	1474	5.2	1027	3.0	1013	1.7	1319	1.4	375	0.3	15	0.0	0.0	
Haze	Gobiidae	5	0.0	12	0.0	14	0.0	1	0.0	116	0.2	290	0.5	782	2.8	587	1.7	113	0.2	19	0.0	3	0.0	2	0.0	0.0	
Total (Fish)		24928	43.9	20549	29.7	11631	11.4	8912	8.6	15362	20.8	12474	22.8	13116	46.4	17985	52.5	30257	51.8	36754	38.8	26456.3	22.5	45026	33.2		
Tanishi	Viviparidae	10271	18.1	9337	13.5	21838	21.4	35613	34.5	13765	18.7	23635	43.2	3928	13.9	11822	34.5	6168	10.5	11535	12.2	9831	8.4	8238	6.1		
Shijimi	Corbiculidae	776	1.4	658	1.0	2171	2.2	1583	1.5	4338	5.9	7324	15.4	7865	27.8	1587	4.6	10168	17.4	13319	14.1	7494	6.4	17011	12.6		
Karasugai	Unionidae	19154	35.8	37642	54.4	65319	64.0	56508	54.8	39406	53.4	9848	18.0	2234	7.9	1609	4.7	11007	18.8	31649	33.4	69988	59.6	62074	45.8		
Total (Molluscs)		30201	55.2	47637	68.8	89328	87.6	93704	90.8	57509	77.9	40807	74.6	14027	49.6	15018	43.9	27343	46.7	56503	59.7	87313	74.4	87323	64.4		
Ebi	Shrimps	1594	2.8	1035	1.5	1035	1.0	570	0.6	903	1.2	1395	2.6	1129	4.0	1234	3.6	889	1.5	1440	1.5	3585	3.1	3139	2.3		
Total sum		56723	100	69221	100	101994	100	103186	100	73774	100	54676	100	28272	100	34237	100	58489	100	94697	100	117354.3	100	135488	100		

Table 1-7. Monthly changes in landing amounts of fishes in 1938.

Species	1938 (S.13) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	1	0.0	3	0.0	7	0.0	9	0.0	38	0.1	27	0.1	17	0.0	32	0.1	2	0.0	1	0.0	8	0.0					
Ayu	<i>Plecoglossus altivelis</i>														1	0.0	2	0.0										
Wakasagi	<i>Hypomesus olidus</i>	3600	8.6	5171	12.2	6653	6.0	2659	2.5	728	1.0	3015	4.8	1811	4.0	2250	4.4	24548	22.8	20715	22.2	11505	11.1	13988	12.5			
Namazu	<i>Parasilurus asotus</i>	139	0.3	81	0.2	251	0.2	251	0.2	720	1.0	1964	1.9	1118	2.5	641	1.2	353	0.3	199	0.2	244	0.2	350	0.3			
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>			2	0.0			2	0.0												158	0.2						
Moroko	<i>Gnathopogon e.</i>	900		754		2389		1395		821		113		145		259		472		956		2903		2295				
Motsugo	<i>Pseudorasbora p.</i>		2.2		1.9		2.2		1.3		1.2		0.2		0.3		0.5		0.4		1.0		2.8		2.1			
Kamatsuka	<i>Pseudogobio esocinus</i>					1	0.0	16	0.0	124	0.2	45	0.1	11	0.0	4	0.0	6	0.0									
Higai	<i>Sarcocheilichthys variegatus</i>	1650	3.9	563	1.3	450	0.4	487	0.5	338	0.5	353	0.7	285	0.6	746	1.4	626	0.6	502	5.4	285	0.3	120	0.1			
Ugui	<i>Tribolodon hakonensis</i>	43	0.1	17	0.0	53	0.0	120	0.1	23	0.0	61	0.1	3	0.0	4	0.0	3	0.0	6	0.0	19	0.0	29	0.0			
Akאו	<i>Zacco platypus</i>	266	0.6	195	0.5	499	0.5	229	0.2	394	0.6	1046	2.0	634	1.4	446	0.9	154	0.1	54	0.1	248	0.2	345	0.3			
Oikawa	<i>Carassius carassius</i>	3311	7.9	1346	3.2	12596	11.4	3203	3.0	8156	11.5	6671	12.9	3908	8.7	3450	6.7	3960	3.7	3319	3.6	8096	7.8	21547	19.3			
Haya	<i>Cyprinus carpio</i>	499	1.2	141	0.3	1219	1.1	368	0.3	1549	2.2	1294	2.5	1253	2.8	1088	2.1	2123	2.0	1485	1.6	2093	2.0	3668	3.3			
Funa	Cobitidae	41	0.1	5	0.0	86	0.1	938	0.9	1328	1.9	350	0.6	249	0.6	566	1.0	1556	1.4	2513	2.7	233	0.2	49	0.1			
Dojo	<i>Anguilla japonica</i>	40	0.1	41	0.1	27	0.0	246	0.2	1928	2.7	1354	2.6	840	1.9	683	1.3	641	0.6	326	0.4	53	0.1					
Unagi	Gobiidae	27	0.1	7	0.0	9	0.0	1	0.0	24	0.0	68	0.1	128	0.3	120	0.2	23	0.0	9	0.0	1	0.0					
Haze																												
Total (Fish)		10517	25.1	8326	19.7	24240	22.0	9924	9.3	16171	22.8	15341	29.7	10402	23.1	10290	20.0	34469	32.1	30243	32.5	25688	24.9	42371	37.9			
Tanishi	Viviparidae	10914	26.1	8443	20.0	13857	12.6	26173	24.6	21095	29.7	11346	22.0	6847	15.2	6610	12.8	10529	9.8	10529	11.3	14351	13.9	8440	7.5			
Shijimi	Corbiculidae	6914	16.5	4420	10.4	6482	5.9	6441	6.0	6592	9.3	11586	22.4	16121	35.9	23251	45.1	16066	14.9	8978	9.6	4003	3.9	2420	2.2			
Karasugai	Unionidae	10676	25.5	19135	45.2	64395	58.3	62012	58.2	25805	36.3	12389	24.0	10591	23.6	10850	21.1	45784	42.6	41338	44.4	56005	54.2	56235	50.3			
Total (Molluscs)		28504	68.1	31998	75.6	84734	76.8	94626	88.8	53492	75.3	35321	68.3	33559	74.7	40711	79.0	72379	67.3	60845	65.3	74359	72.0	67095	60.0			
Ebi	Shrimps	2837	6.8	1991	4.7	1421	1.3	1979	1.9	1369	1.9	1024	2.0	984	2.2	533	1.0	690	0.6	2025	2.2	3300	3.1	2423	2.1			
Total sum		41858	100	42315	100	110395	100	106529	100	71032	100	51686	100	44945	100	51534	100	107538	100	95113	100	103347	100	111889	100			

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Table 1-8. Monthly changes in landing amounts of fishes in 1939.

Species	1939 (S.14) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>	1		3		10		14		75		32		12				1				1			
Wakasagi	<i>Hypomesus olidus</i>	2389	7.3	758	3.2	11903	12.0	5348	4.8	4759	6.3	3045	5.6	874	1.0	1901	2.8	53259	19.4	30923	23.0	19151	11.1	22751	15.2
Namazu	<i>Parasilurus asotus</i>	180	0.5	96	0.4	135	0.1	323	0.3	694	0.9	765	1.4	885	1.0	562	0.8	326	0.2	146	0.1	45	0.1	17	0.5
Tanago	<i>(Pseudoperilampus t Rhodeus o.</i>											20				83		71				17			
Moroko	<i>(Gnathopogon e.</i>	469		521		649		994		173		533		521		476		1185		2655		4354		3308	
Motsugo	<i>(Pseudorasbora p.</i>		1.4		2.2		0.7		0.9		0.2		1.0		0.6		0.7		0.7		2.0		2.5		2.2
Kamatsuka	<i>Pseudogobio esocinus</i>					11		41		0.0		60		49		66		20		1		1		0.0	
Higai	<i>Sarcocheilichthys variegatus</i>	919	2.8	653	2.8	244	0.2	248	0.2	158	0.2	266	0.5	263	0.3	334	0.5	83	0.0	142	0.1	44	0.0	168	0.1
Ugui	<i>Tribolodon hakonensis</i>	14	0.0	2	0.0	38	0.0	18	0.0	18	0.0	5	0.0	12	0.0	11	0.0	4	0.0	4	0.0	7	0.0	44	0.0
Akאו	<i>Zacco</i>	221	0.7	48	0.2	255	0.3	188	0.2	683	0.9	795	1.5	259	0.3	1443	2.1	63	0.0	38	0.0	48	0.0	266	0.2
Oikawa	<i>platypus</i>																								
Haya	<i>Carassius carassius</i>	2209	6.7	518	2.2	15056	15.1	5063	4.6	5411	7.2	4155	7.6	9724	11.2	4916	7.1	4616	2.7	4478	3.3	4653	2.7	36844	24.7
Funa	<i>Cyprinus carpio</i>	146	0.4	41	0.2	1316	1.3	896	0.8	1128	1.5	634	1.2	1988	2.3	947	1.4	1755	1.0	2025	1.5	1965	1.1	6908	4.6
Kqi	<i>Cyprinus carpio</i>																								
Dojo	Cobitidae	86	0.3	45	0.2	56	0.1	386	0.3	263	0.3	724	1.3	1538	1.8	604	0.9	1365	0.8	971	0.7	191	0.1	45	0.0
Unagi	<i>Anguilla japonica</i>	27	0.1	51	0.2	30	0.0	177	0.2	1489	2.0	1421	2.6	1508	1.7	551	0.8	964	0.6	709	0.5	5	0.0	2	0.0
Haze	Gobiidae	43	0.1	57	0.2	15	0.0	7	0.0	9	0.0	300	0.5	116	0.1	452	0.7					256	0.2	98	0.1
Total	(Fish)	6704	20.4	2793	11.9	29717	29.9	13673	12.4	14901	19.8	12755	23.4	17749	20.4	12346	17.9	43712	25.4	42137	31.3	30901	17.8	71109	47.6
Tanishi	Viviparidae	5443	16.5	7102	30.3	10573	10.6	28206	25.5	14535	19.0	5855	10.7	23068	26.5	1526	2.2	2118	1.2	2517	1.9	11841	6.9	2208	1.5
Shijimi	Corbiculidae	3875	11.8	3479	14.9	8835	8.9	7562	6.8	9739	12.9	8347	15.3	8963	10.3	11306	16.4	8346	4.9	11608	8.6	9790	5.7	2993	2.0
Karasugai	Unionidae	15356	46.7	9000	38.4	49592	49.8	60399	54.6	35158	46.6	27220	49.8	36284	41.6	43075	62.5	115527	67.2	71803	53.3	107653	62.4	65154	43.6
Total	(Molluscs)	24674	75.0	19581	83.6	69000	69.3	96167	86.9	59432	78.7	41422	75.9	68315	78.4	55909	81.1	125991	73.3	85928	63.8	129284	74.9	70355	47.1
Ebi	Shrimps	1523	4.6	1043	4.5	788	0.8	690	0.6	1170	1.5	416	0.7	1114	1.2	679	1.0	2138	1.3	6585	4.9	12544	7.3	7928	5.3
Total sum		32901	100	23417	100	99505	100	110620	100	75503	100	54593	100	87178	100	68932	100	171841	100	134650	100	172538	100	149392	100

Table 1-9. Monthly changes in landing amounts of fishes in 1940.

Species	1940 (S.15) Month	1		2		3		4		5		6		7		8		9		10		11		12		
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	1	0.0	0.2	0.0	1	0.0	7	0.0	10	0.0	21	0.0	53	0.1	11	0.0	2	0.0						0.1	0.0
Ayu	<i>Plecoglossus altivelis</i>													14	0.0			42	0.0	2	0.0					
Wakasagi	<i>Hypomesus olidus</i>	11348	20.7	1584	2.0	13834	7.7	1594	0.9	345	0.3	2306	2.5	2243	5.4	945	1.8	40815	40.0	26524	25.4	18195	21.5	25942	24.4	
Namazu	<i>Parasilurus asotus</i>	206	0.4	85	0.1	133	0.1	236	0.1	825	0.7	1253	1.3	814	2.0	555	2.1	248	0.2	225	0.2	259	0.3	671	0.6	
Tanago	<i>(Pseudoperilampus t. Rhodeus o.</i>													27	0.1	36	0.1									
Moroko	<i>(Gnathopodon e.</i>	1020		814		1144		1376		739		345		236		1268		821		2479		4624		4046		
Motsugo	<i>Pseudorasbora p.</i>		1.9		1.2		0.6		0.7		0.6		0.5		0.6		2.4		0.8		2.4		5.5		3.8	
Kamatsuka	<i>Pseudogobio esocinus</i>	2	0.0			8	0.0	22	0.0	89	0.1	132	0.1	233	0.6	98	0.2			2	0.0					
Higai	<i>Sarcocheilichthys variegatus</i>	409	0.7	281	0.4	133	0.1	236	0.1	203	0.2	105	0.1	68	0.2	131	0.3	113	0.1	47	0.0	23	0.0	43	0.0	
Ugui	<i>Tribolodon</i>	19	0.0	4	0.0	6	0.0	19	0.0	35	0.0	8	0.0	15	0.0	22	0.0	9	0.0	8	0.0	26	0.0	36	0.0	
Akayu	<i>hakonensis</i>																									
Oikawa	<i>Zacco</i>	120	0.2	96	0.1	79	0.0	128	0.1	218	0.2	647	0.7	1189	2.9	390	0.7	113	0.1	86	0.1	161	0.2	285	0.5	
Haya	<i>platypus</i>																									
Funa	<i>Carassius carassius</i>	8325	15.2	570	0.8	13024	7.3	6259	3.5	9626	7.6	14190	14.2	6484	15.6	4511	10.4	3356	3.3	4166	4.0	6761	8.0	34611	32.6	
Koi	<i>Cyprinus carpio</i>	521	0.9	12	0.0	878	0.5	769	0.4	2138	1.7	1793	1.8	863	2.1	1609	3.1	1568	1.5	3011	2.9	4129	4.9	6590	6.0	
Dojo	<i>Cobitidae</i>	51	0.1	5	0.0	24	0.0	724	0.3	1118	0.9	848	0.9	270	0.6	296	0.6	413	0.4	1564	1.5	42	0.0	34	0.0	
Unagi	<i>Anguilla japonica</i>	31	0.1	75	0.1	39	0.0	165	0.1	2314	1.8	1643	1.6	1414	3.4	660	1.3	308	0.3	611	0.6	109	0.1	4	0.0	
Haze	<i>Gobiidae</i>	14	0.0	158	0.2	210	0.1	450	0.2	556	0.4	923	0.9	1842	4.4	1147	2.2	1140	1.1	1614	1.5	4196	4.9	2756	2.6	
Total	(Fish)	22067	40.2	3484.2	4.9	29513	16.5	11985	6.6	18216	14.5	24214	24.3	15751	37.8	11693	22.5	48948	48.0	40339	38.7	38525	45.4	74818.1	70.3	
Tanishi	<i>Viviparidae</i>	984	1.8	12220	17.3	14824	8.3	19024	10.5	19690	15.6	16137	16.2	6440	15.5	7585	14.6	5675	5.6	7241	6.9	7808	9.2	8494	15.8	
Shijimi	<i>Corbiculidae</i>	6918	12.6	2509	3.5	2573	1.4	1905	1.1	1178	0.9	13916	14.0	5318	12.8	4476	8.6	4425	4.3	5428	5.2	2725	3.2	2994	2.8	
Karasugai	<i>Unionidae</i>	23078	42.0	51126	72.2	130636	72.8	146226	80.6	84033	66.7	43018	43.1	13533	32.5	27975	53.7	42700	41.8	50472	48.4	33595	39.6	19047	17.9	
Total	(Molluscs)	30980	56.4	65855	93.1	148033	82.5	167155	92.2	104901	83.2	73071	73.3	25291	60.7	40035	76.9	52800	51.7	63141	60.5	44128	52.0	30535	28.7	
Ebi	<i>Shrimps</i>	1879	3.4	1429	2.0	1841	1.0	2220	1.2	2903	2.3	2358	2.4	630	1.5	334	0.6	274	0.3	870	0.8	2134	2.5	964	0.9	
Total sum		54926	100	70768.2	100	179387	100	181360	100	126020	100	99643	100	41672	100	52063	100	102022	100	104350	100	84787	100	106317.1	100	

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Table 1-10. Monthly changes in landing amounts of fishes in 1942.

Species	1942 (S.17) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	0.4		0.3		1		0.2		1																		
Ayu	<i>Plecoglossus altivelis</i>		0.0		0.0		0.0		0.0		0.0																	
Wakasagi	<i>Hypomesus olidus</i>	18435		5696		5191		259																				
Namazu	<i>Parasilurus asotus</i>	518		121		176		368		1845																		
Moroko	<i>Gnathopogon e.</i>	1155		371		615		488		37																		
Motsugo		<i>Pseudorasbora p.</i>		1.7		0.8		0.8		0.5		0.1																
Kamatsuka	<i>Pseudogobio esocinus</i>					1		4		0.0																		
Higai	<i>Sarcocheilichthys variegatus</i>	350		48		90		84		56																		
Ugui	<i>Tribolodon hakonensis</i>	25		21		9		10		3																		
Akaiwa	<i>Zacco platypus</i>	383		169		206		188		135																		
Oikawa				0.6		0.4		0.3		0.2		0.2																
Haya	<i>Carassius carassius</i>	26940		13635		22729		5243		19268																		
Funa				39.9		30.5		51.6		5.8		26.7																
Koi	<i>Cyprinus carpio</i>	5378		1774		2074		529		4425																		
Dojo	Cobitidae	7		11		49		350		417																		
Unagi	<i>Anguilla japonica</i>	22		42		15		125		3244																		
Haze	Gobiidae	997		518		1264		2663		1230																		
			1.4		1.2		1.8		2.9		1.7																	
Total	(Fish)	54190.4		22406.3		50420		10291.2		50661																		
			80.5		49.8		42.3		11.4		42.4																	
Tanishi	Viviparidae	2780		8678		10824		29791		14093																		
Shijimi	Corbiculidae	1096		1950		3522		3805		1993																		
Karasugai	Unionidae	8888		11549		26683		45829		24631																		
			13.2		25.9		57.2		50.7		34.1																	
Total	(Molluscs)	12764		22177		41029		79425		40717																		
			18.9		49.6		57.1		87.9		56.4																	
Ebi	Shrimps	495		236		353		664		851																		
			0.7		0.5		0.5		0.7		1.2																	
Total sum		67449.4		44650.3		71802		90380.2		72229																		
			100		100		100		100		100																	

Table 1-11. Monthly changes in landing amounts of fishes in 1950.

Species	1950 (S.25) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>	0.3				2				8				15						0.4		2			
Ayu	<i>Plecoglossus altivelis</i>		0.0				0.0		0.0		0.0		0.0		0.1		0.0				0.0		0.0		0.0
Wakasagi	<i>Hypomesus olidus</i>	1961	9.5	874	2.9			90	0.3	23	0.1	150	0.8	49	0.2	1410	11.3	46414	71.1	16949	42.7	9593	24.4	7106	17.7
Namazu	<i>Parasilurus asotus</i>	58		60		71		214		694		779		713		457		83		45		68		79	
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>		0.3		0.2		0.2		0.6		2.8		4.3		3.6		3.7		0.1		0.1		0.2		8
Moroko	<i>Gnathopodon e.</i>	491		394		476		251		131		169		135		150		154		247		360		169	
Motsugo	<i>Pseudorasbora p.</i>		2.4		1.3		1.1		0.7		0.5		0.9		0.7		1.2		0.2		0.6		0.9		0.4
Kamatsuka	<i>Pseudogobio esocinus</i>							4		8															
Higai	<i>Sarcocheilichthys variegatus</i>	19		3		26		45		60		11		4		75		30		38		64		15	
Ugui	<i>Tribolodon hakonensis</i>		0.1		0.0		0.1		0.1		0.2		0.1		0.0		0.6		0.0		0.1		0.2		0.4
Akaiwa	<i>Zacco platypus</i>			0.4		1		4		4		4		0.4		0.3		0.1		1		2		30	
Oikawa	<i>Carassius carassius</i>	105		184		176		86		131		210		390		300		180		225		593		1091	
Haya	<i>Cyprinus carpio</i>		0.5		0.6		0.4		0.3		0.5		1.2		1.9		2.4		0.3		0.6		1.5		2.7
Funa	<i>Cyprinus carpio</i>	4024	19.5	6784	22.5	7076	15.8	3727	11.1	6321	25.3	3612	19.5	1934	9.6	810	6.5	1834	2.8	1617	4.1	3567	9.0	11430	28.5
Koi	<i>Cyprinus carpio</i>	292		660		638		304		664		1650		300		593		525		465		645		686	
Dojo	Cobitidae	8	1.4	2	2.2	8	1.4	371	0.9	420	2.7	4	8.9	34	1.5	94	4.8	338	0.8	671	1.2	79	1.6	23	1.7
Unagi	<i>Anguilla japonica</i>	11	0.0	2	0.0	8	0.0	635	1.1	953	1.7	1309	0.0	1046	0.2	574	0.8	881	0.5	551	1.7	356	0.2		0.1
Haze	Gobiidae	30	0.1	285		1920		3195	1.9	686	3.8	79	7.0	626	5.2		4.6	255	1.4	731	1.4	1673	0.9	319	0.0
Total	(Fish)	6999	33.9	9248	30.7	10402	23.2	8928	26.6	10094	40.4	8001	43.2	5246	26.1	4468	35.8	50694	77.7	21537	54.3	17002	43.2	20961	52.4
Tanishi	Viviparidae	8294	40.2	11588	38.5	15207	33.9	12842	38.2	7170	28.7	3420	18.5	1374	6.8	619	5.0	1757	2.7	8986	22.7	12098	30.7	10776	26.9
Shijimi	Corbiculidae	4433	21.5	3237	10.8	10733	23.9	2463	7.5	3187	12.8	5150	25.8	12229	60.9	6900	55.4	12626	19.3	8498	21.4	8187	20.8	6219	15.5
Karasugai	Unionidae	623	3.0	5807	19.3	8271	18.4	9345	27.8	4226	16.9	1144	6.2	99	0.5	24	0.2	13	0.0	388	1.0	1586	4.0	1308	3.3
Total	(Molluscs)	13550	65.7	20632	68.6	34211	76.3	24650	73.3	14584	58.4	9714	52.5	13702	68.3	7543	60.5	14396	22.0	17872	45.0	21871	55.6	18303	45.7
Ebi	Shrimps	285	1.4	214	0.7	225	0.5	49	0.1	304	1.2	788	4.3	1118	5.6	454	3.6	161	0.3	240	0.6	488	1.2	776	1.9
Total sum		20634	100	30094	100	44838	100	33627	100	24981	100	18503	100	20066	100	12465	100	65251	100	39649	100	39361	100	40040	100

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Table 1-12. Monthly changes in landing amounts of fishes in 1951.

Species	1951 (S. 26) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	0.4	1	4	0.0	4	0.0	11	0.0	8	0.0	8	0.0	30	0.1	4	0.0	8	0.0	4	0.0	4	0.0	11	0.0	0.0	0.0	
Wakasagi	<i>Hypomesus olidus</i>	2044	13.3	2212	10.6	1166	3.7	34	0.1	4	0.0	4	0.0	30	0.1	86	0.3	56715	81.5	27975	57.7	10301	28.6	7759	113	18.0	0.0	
Namazu	<i>Parasilurus asotus</i>	151	0.9	98	0.5	53	0.2	75	0.3	848	3.6	803	4.3	450	1.5	360	1.1	68	0.1	45	0.1	41	0.1	113	0.3	0.0	0.0	
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>			19	0.1	4	0.0					4	0.0	11	0.0	8	0.0	4	0.0			4	0.0	8	0.0	0.0	0.0	
Moroko	<i>Gnathopodon e.</i>	634	4.1	416	2.0	289	0.9	428	1.6	90	0.4	60	0.3	8	0.0			71	0.1	248	0.5	326	0.9	83	0.2	0.0	0.0	
Motsugo	<i>Pseudorasbora p.</i>							4	0.0	68	0.3	8	0.0															
Kamatsuka	<i>Pseudogobio esocinus</i>																											
Higai	<i>Sarcocheilichthys variegatus</i>	296	1.9	375	1.8	11	0.0	23	0.1	68	0.3	8	0.0	11	0.0	38	0.1	11	0.0	38	0.1	19	0.1	4	0.0	0.0	0.0	
Ugui	<i>Tribolodon hakonenis</i>			0.2	0.0	4	0.0	0.5	0.0	8	0.0	0.4	0.0			0.4	0.0					4	0.0	15	0.0	0.0	0.0	
Akaiwa	<i>Zacco platypus</i>	248	1.6	236	1.1	731	2.3	165	0.6	221	0.9	1275	6.8	1001	3.2	435	1.4	53	0.1	56	0.1	353	1.0	799	1.9	0.0	0.0	
Haya	<i>Carassius carassius</i>	1099	7.1	1021	4.9	6709	21.3	2614	9.6	5491	23.3	4069	21.8	4474	14.6	1733	5.5	1424	2.0	1864	3.8	2370	6.6	11888	27.6	0.0	0.0	
Funa	<i>Cyprinus carpio</i>	398	2.6	259	1.2	428	1.4	191	0.7	945	4.0	1035	5.5	540	1.8	330	1.1	278	0.4	623	1.3	506	1.4	705	1.6	0.0	0.0	
Koi																												
Dojo	Cobitidae	4	0.0	8	0.0	15	0.0	195	0.7	450	1.9	45	0.2	83	0.3	45	0.1	1013	1.5	353	0.7	90	0.3	30	0.1	0.0	0.0	
Unagi	<i>Anguilla japonica</i>	20	0.1	26	0.1	8	0.0	41	0.2	1463	6.2	1451	7.8	1076	3.5	1211	3.8	484	0.7	859	1.8	90	0.3	0.1	0.0	0.0	0.0	
Haze	Gobiidae	30	0.2	53	0.3	349	1.1	698	2.6	589	2.5	131	0.7	1140	3.7	2201	7.0	356	0.5	701	1.4	2449	6.8	518	1.2	0.0	0.0	
Total	(Fish)	4904.4	32.0	4724	22.7	9771	31.1	4472.5	16.3	10256	43.5	8901.4	47.7	8832	28.7	6477.4	20.7	60481.4	86.9	32770	67.6	16557	46.1	21933.1	50.9	0.0	0.0	
Tanishi	Viviparidae	5947	38.8	9024	43.4	14319	45.5	17543	64.2	9688	41.1	2199	11.8	1336	4.3	981	3.1	1514	2.2	4984	10.3	9490	26.4	12573	29.1	0.0	0.0	
Shijimi	Corbiculidae	2483	16.2	3170	15.2	3474	11.1	2516	9.2	3280	13.9	6561	35.2	18819	61.2	23325	74.4	7448	10.7	9950	20.5	8743	24.3	6965	16.2	0.0	0.0	
Karasugai	Unionidae	437	2.9	2724	13.1	3460	11.0	2659	9.7	181	0.8	650	3.5	993	3.2	95	0.3	17	0.0	422	0.9	724	2.6	1209	2.8	0.0	0.0	
Total	(Molluscs)	8867	57.9	14918	71.7	21253	67.6	22718	83.2	13143	55.8	9410	50.4	21148	68.8	24401	77.9	8979	12.9	15556	31.7	18957	52.7	20747	48.1	0.0	0.0	
Ebi	Shrimps	1541	10.1	1166	5.6	416	1.3	128	0.5	158	0.7	349	1.9	761	2.5	465	1.4	105	0.2	334	0.7	435	1.2	435	1.0	0.0	0.0	
Total sum		15312.4	100	20808	100	31440	100	27318.5	100	23563	100	18660.4	100	30741	100	31343.4	100	69565.4	100	48460	100	35949	100	43115.1	100	0.0	0.0	

Table 1-13. Monthly changes in landing amounts of fishes in 1952.

Species	1952 (S. 27) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	4	0.0	4	0.0	8	0.0	23	0.1	41	0.2	60	0.3	86	0.6	120	1.0	4	0.0	1	0.0	8	0.0	19	0.1			
Ayu	<i>Plecoglossus altivelis</i>															4	0.0	34	0.1	2	0.0							
Wakasagi	<i>Hypomesus olidus</i>	2719	13.5	1046	6.2	2588	11.4	915	3.6	146	0.6	386	2.0	23	0.2	446	3.8	40309	83.5	36169	82.5	13493	44.3	5411	14.6			
Namazu	<i>Parasilurus asotus</i>	94	0.5	131	0.8	53	0.2	105	0.4	693	2.6	701	3.5	600	3.9	360	3.1	473	1.0	53	0.1	79	0.3	154	0.4			
Tanago	<i>(Pseudoperilampus t. Rhodeus o. Gnathopodon e. Pseudorasbora p. Sarcocheiichthys variegatus Tribolodon)</i>	23	0.1			4	0.0	3	0.0					71	0.5	83	0.7	1455	3.0	521	1.2	1463	4.8	285	0.8			
Moroko	<i>(Gnathopodon e. Pseudorasbora p. Sarcocheiichthys variegatus Tribolodon)</i>	374	1.9	235	1.4	281	1.2	255	1.0	105	0.4	98	0.5	124	0.8	30	0.3	38	0.1	188	0.4	188	0.6	109	0.3			
Motsugo	<i>(Gnathopodon e. Pseudorasbora p. Sarcocheiichthys variegatus Tribolodon)</i>	195	1.0	278	1.7	79	0.3	15	0.0	105	0.4	23	0.1	11	0.1	4	0.0	15	0.0	56	0.1	90	0.3	19	0.1			
Ugui	<i>Tribolodon hakonensis</i>	8	0.0	2	0.0	1	0.0	4	0.0	11	0.0	1	0.0	4	0.0	8	0.0	8	0.0	8	0.0	69	0.2	38	0.1			
Akai	<i>Zacco platypus</i>	240	1.2	75	0.4	350	1.5	225	0.9	229	0.8	1248	6.3	776	5.1	229	2.0	56	0.1	15	0.0	153	0.5	135	0.4			
Haya	<i>Carassius carassius</i>	3956	20.0	855	5.1	2741	12.0	5386	21.2	9278	35.5	6930	35.0	4665	30.5	2430	21.0	1958	4.1	2952	6.7	3911	12.8	16988	46.0			
Funa	<i>Carassius carassius</i>	489	2.4	653	3.9	675	3.0	341	1.3	671	2.6	1163	5.9	296	2.0	369	3.2	454	0.9	495	1.1	1016	3.3	1875	5.1			
Koi	<i>Cyprinus carpio</i>	8	0.0			23	0.1	345	0.6	608	7.4	49	6.1	53	5.9	11	6.8	923	1.8	446	1.3	68	0.2	23	0.1			
Dojo	<i>Cobitidae</i>	4	0.0	19	0.1	23	0.1	158	0.6	1950	7.4	1204	6.1	900	5.9	788	6.8	863	1.8	566	1.3	56	0.2	0.2	0.0			
Unagi	<i>Anguilla japonica</i>	151	0.7	19	0.1	548	2.4	1188	4.7	493	1.9	64	0.5	859	5.6	2899	25.0	323	0.7	585	1.3	1331	4.4	371	1.0			
Haze	<i>Gobiidae</i>																											
Total	(Fish)	8245	40.9	3315	19.9	7374	32.4	8963	35.3	4330	54.7	11927	60.3	84618	55.3	7781	67.1	46913	97.2	42057	95.9	21925	71.9	25427.2	68.8			
Tanishi	Viviparidae	5690	28.2	7220	43.3	10979	48.2	13294	52.4	6513	24.9	2805	14.2	1225	8.0	80	0.7	8	0.0	466	1.1	6150	20.1	9420	25.5			
Shijimi	Corbiculidae	4634	23.0	3429	20.6	1549	6.8	2284	9.0	4673	17.9	3836	19.4	4436	29.0	3304	28.5	1148	2.4	963	2.2	1429	4.7	772	2.1			
Karasugai	Unionidae	905	4.5	2069	12.4	2551	11.2	635	2.5	411	1.6	631	3.2	586	3.8	70	0.6			77	0.2	532	1.7	1011	2.7			
Total	(Molluscs)	11229	55.7	12718	76.3	15079	66.2	16213	63.9	11597	44.3	7272	36.8	6247	40.8	3454	29.8	1156	2.4	1506	3.5	8111	26.6	11203	30.3			
Ebi	Shrimps	679	3.4	634	3.8	293	1.3	203	0.8	251	1.0	585	2.9	596	3.9	356	3.1	191	0.4	274	0.6	442	1.5	334	0.9			
Total sum		20153	100	16667	100	22746	100	25378	100	26178	100	19784	100	15311	100	11591	100	48260	100	43857	100	50478	100	36964.2	100			

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Table 1-14. Monthly changes in landing amounts of fishes in 1953.

Species	1953 (S.28) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Onchorhynchus rhodurus</i>	11	0.1	4	0.0	15	0.0	11	0.0	45	0.1	86	0.4	64	0.4	45	0.4	4	0.0	11	0.0	64	0.2	56	0.2
Ayu	<i>Plecoglossus altivelis</i>															4	0.0	15	0.0	8	0.0	1	0.0		
Wakasagi	<i>Hypomesus olidus</i>	1406	11.3	1733	12.9	6904	18.1	6619	18.9	645	2.0	619	2.7	2078	13.0	529	4.4	30885	76.3	24878	74.7	13617	48.9	9158	27.2
Namazuo	<i>Parasilurus asotus</i>	79	0.6	145	1.1	94	0.2	109	0.5	949	3.0	1020	4.5	660	4.1	368	3.1	203	0.5	68	0.2	79	0.3	135	0.4
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	1	0.0									345	1.5	555	3.5	1279	10.7	506	1.3	68	0.2	56	0.2	308	0.9
Moroko	<i>Gnathopodon e.</i>	390		506		518		263		225		75		120		30		38		296		120		109	
Motsugo	<i>Pseudorasbora p.</i>																								
Kamatsuka	<i>Pseudogobio esocinus</i>									79	0.2					15	0.1	15	0.0						
Higai	<i>Sarococheilichthys variegatus</i>	158	1.3	326	2.4	11	0.0	26	0.1	15	0.0	68	0.5	4	0.0	56	0.5	8	0.0	30	0.1	34	0.1	4	0.0
Ugui	<i>Tribolodon hakonenensis</i>	23	0.2	30	0.2	23	0.0	8	0.0	64	0.2	8	0.0	19	0.1	26	0.2	11	0.0	30	0.1	68	0.2	26	0.1
Akawa	<i>Zacco platypus</i>	158	1.3	79	0.6	150	0.4	38	0.1	178	0.6	600	2.6	458	2.9	218	1.8	8	0.0	11	0.0	64	0.2	41	0.1
Haya	<i>Carassius carassius</i>	2588	20.8	1598	11.9	14157	37.2	3967	11.3	11021	34.5	9180	40.1	4489	28.0	2671	22.3	4005	9.9	2663	8.0	5254	18.9	13977	41.6
Funa	<i>Cyprinus carpio</i>	709	5.7	821	6.1	1241	3.3	274	0.8	1346	4.2	1485	6.5	315	2.0	431	3.6	694	1.7	360	1.1	998	3.6	1643	4.9
Dojo	Cobitidae	71	0.6	41	0.3	4	0.0	326	0.9	1283	4.0	49	2.1	79	0.5	169	1.4	1271	3.1	600	1.8	56	0.2	23	0.1
Unagi	<i>Anguilla japonica</i>	8	0.0	11	0.1	4	0.0	34	0.1	1343	4.2	769	3.4	818	5.1	810	6.7	964	2.4	236	0.7	26	0.1		
Haze	Gobiidae	8	0.0	15	0.1	709	1.9	1530	4.4	326	1.0	38	0.2	713	4.5	1444	12.0	169	0.4	390	1.2	720	2.6	375	1.1
Total	(Fish)	5610	45.2	5307	39.5	25850	62.6	13205	37.6	17519	54.8	14342	62.6	10372	64.7	8095	67.5	38796	95.8	29649	89.0	21157	76.0	25855	77.0
Tanishi	Viviparidae	4604	37.1	6631	49.4	10706	28.1	14561	41.5	6341	19.8	2620	11.4	1565	9.8	951	7.9	486	1.2	2689	8.1	4828	17.3	6093	18.1
Shijimi	Corbiculidae	585	4.7	296	2.2	515	1.4	2574	6.8	6390	20.0	4380	19.1	3034	18.9	2310	19.3	476	1.2	289	0.9	221	0.8	188	0.6
Karasugai	Unionidae	1301	10.5	724	5.4	2666	7.0	4635	13.2	1302	4.1	839	3.7	616	3.8	336	2.8	21	0.1	8	0.0	42	0.2	289	0.9
Total	(Molluscs)	6490	52.3	7651	57.0	13887	36.5	21570	61.5	14033	43.9	7839	34.2	5215	32.5	3597	29.5	983	2.4	2986	9.0	5091	18.3	6570	19.5
Ebi	Shrimps	315	2.5	461	3.4	338	0.9	508	0.9	439	1.4	724	3.2	435	2.7	368	3.0	698	1.8	679	2.0	1586	5.7	1181	3.5
Total sum		12415	100	13419	100	38055	100	35083	100	51991	100	22905	100	16022	100	12060	100	40477	100	33314	100	27834	100	33606	100

Table 1-15. Monthly changes in landing amounts of fishes in 1954.

Species	1954 (S.29) Month		1		2		3		4		5		6		7		8		9		10		11		12	
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>	19	0.1	19	0.2	116	0.4	71	0.6	116	0.5	63	0.4	278	1.9	128	0.6	4	0.0	0.4	15	0.0	15	0.0	19	0.1
Ayu	<i>Plecoglossus altivelis</i>																									
Wakasagi	<i>Hypomesus olidus</i>	4729	22.3	1646	17.1	3924	13.3	836	6.6	191	0.9	611	4.5	523	2.2	10564	46.9	42825	81.9	24630	62.9	15652	42.4	17978	46.5	
Namazu	<i>Parasilurus asotus</i>	56	0.3	68	0.7	98	0.3	195	1.5	698	3.5	675	4.7	709	4.8	333	1.5	139	0.3	48	0.1	79	0.2	150	0.4	
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	83	0.4	34	0.4	386	1.3	203	1.5	123	0.6	345	2.4	1523	10.2	1860	8.3	1283	2.5	1088	2.8	135	0.4	15	0.0	
Moroko	<i>Gnathopodon e. Pseudorasbora p.</i>	278	1.3	608	6.5	664	2.2	269	2.1	147	0.7	34	0.2	34	0.2	30	0.1	60	0.1	169	0.4	296	0.8	188	0.5	
Motsugo	<i>Pseudogobio esocinus</i>			4	0.0					11	0.1	4	0.0	15	0.1	19	0.1									
Kamatsuka	<i>Sarcocheilichthys variegatus</i>	56	0.3	319	3.3	26	0.1	68	0.5	86	0.4	112	0.8	146	1.0	116	0.5	8	0.0	8	0.0	23	0.1	15	0.0	
Higai	<i>Tribolodon hakonensis</i>	-8	0.0	11	0.1	8	0.0	38	0.3	71	0.5	19	0.1	15	0.1	34	0.1	11	0.0	11	0.0	53	1.4	19	0.1	
Ugui	<i>Zacco platypus</i>	71	0.3	105	1.1	56	0.2	41	0.3	83	0.4	300	2.1	435	2.9	19	0.1	4	0.0	1	0.0	8	0.0	4	0.0	
Akayu	<i>Carassius carassius</i>	11021	52.1	814	8.5	11385	38.7	2666	21.0	6634	31.5	3310	23.2	3304	22.2	2212	9.8	2637	5.0	2190	5.6	7373	20.0	11857	30.6	
Oikawa	<i>Cyprinus carpio</i>	1039	4.9	761	7.9	1170	4.0	480	3.8	874	4.2	467	3.5	203	1.4	382	1.7	397	0.8	1016	2.6	101	0.3	675	1.7	
Haya	<i>Cobitidae</i>	11	0.1	8	0.1	60	0.2	514	4.0	630	3.0	19	0.1	34	0.2	150	0.7	784	1.5	513	1.3	26	0.1	8	0.0	
Funa	<i>Anguilla japonica</i>	2	0.0	8	0.1	8	0.0	203	1.6	563	2.7	597	4.2	1215	8.2	1178	5.2	923	1.8	521	1.3	94	0.3	8	0.0	
Koi	<i>Gobiidae</i>	15	0.1	38	0.4	368	1.2	1283	1.0	101	0.5	345	2.4	570	3.8	1151	5.1	214	0.4	596	1.5	1136	3.1	405	1.0	
Dojo																										
Unagi																										
Haze																										
Total (Fish)		17388	82.2	4443	46.4	18269	62.0	6867	54.0	10328	49.1	6901	48.4	8804	59.1	18178	80.8	49289	94.2	30791.4	78.6	24991	67.7	31341	81.0	
Tanishi	Viviparidae	2545	12.0	3208	33.5	9310	31.6	407	3.2	7482	35.5	2153	15.1	1156	7.8	34	0.2	572	1.1	4865	12.4	8450	22.9	4647	12.0	
Shijimi	Corbiculidae	158	0.7	428	4.5	300	1.0	38	0.3	1980	9.4	4155	29.1	4185	28.1	3484	15.5	2006	3.8	2708	6.9	975	2.6	338	0.9	
Karasugai	Unionidae	724	3.4	1069	11.2	1172	4.0	4933	38.8	353	1.7	452	3.2	531	3.5	654	2.9	71	1.0	213	0.5	532	1.4	558	1.4	
Total (Molluscs)		3427	16.2	4705	49.1	10782	36.6	5378	42.3	9815	46.6	6760	47.4	5872	39.4	4172	18.5	2649	5.1	7786	19.9	9957	27.0	5543	14.3	
Ebi	Shrimps	345	1.6	428	4.5	405	1.4	461	3.6	911	4.3	600	4.2	225	1.5	158	0.7	379	0.7	608	1.6	1950	5.3	1811	4.7	
Total sum		21160	100	9576	100	29456	100	12706	100	21054	100	14261	100	14901	100	22508	100	52317	100	39185.4	100	36898	100	38695	100	

Table 1-16. Monthly changes in landing amounts of fishes in 1955.

Species	1955 (S.30) Month		1		2		3		4		5		6		7		8		9		10		11		12		
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	8	0.0	19	0.1	54	0.1	135	0.5	116	0.4	168	0.9	274	1.5	49	0.1	4	0.0	1	0.0	15	0.0	23	0.1		
Masu	<i>Salmo irideus</i>					15	0.0			38	0.1					41	0.1										
Ayu	<i>Plecoglossus altivelis</i>													34		4		71	0.1								
Wakasagi	<i>Hypomesus olidus</i>	3041	16.1	1718	9.1	4492	12.0	423	1.5	240	0.9	274	1.5	116	0.6	15649	47.5	46639	72.5	54913	62.4	18266	37.8	15173	35.1		
Namazu	<i>Parasilurus asotus</i>	229	1.2	143	0.8	94	0.3	278	1.0	573	2.1	660	3.6	866	4.8	326	1.0	176	0.5	143	0.3	188	0.4	225	0.5		
Tanago	<i>Pseudoperilampus t. Rhodius o.</i>			11	0.1	53	0.1	71	0.3	109	0.4	1073	5.8	825	4.6	2321	7.0	2003	3.1	581	1.0	521	1.1	330	0.8		
Moroko	<i>Gnathopodon e.</i>	814	4.3	634	3.3	678	1.8	428	1.6	180	0.7	210	1.1	161	0.9	23	0.1	116	0.2	690	1.2	428	0.9	229	0.5		
Motsugo	<i>Pseudorasbora p.</i>																										
Kamatsuka	<i>Pseudogobio esocinus</i>									26	0.1	71	0.4	233	1.3	53	0.2	23	0.0			2	0.0	2	0.0		
Higai	<i>Sarcocheilichthys variegatus</i>	529	2.8	581	3.1	48	0.1	45	0.2	79	0.3	79	0.4	75	0.4	90	0.3	90	0.1	112	0.2	15	0.0	41	0.1		
Ugui	<i>Tribolodon hakonenis</i>	19	0.1	8	0.0	15	0.0	30	0.1	60	0.2	26	0.1	41	0.2	15	0.0	15	0.0	38	0.1	41	0.1	19	0.0		
Akaiwa	<i>Zacco platypus</i>	79	0.4	8	0.0	4	0.0	1	0.0	30	0.1	259	1.5	581	3.2	154	0.5	90	0.1	41	0.1	90	0.2	218	0.5		
Haya	<i>Carassius carassius</i>	4579	24.2	2381	12.7	16653	44.7	5602	20.5	9956	36.8	4939	26.7	3353	18.7	2205	6.7	2963	4.6	2674	4.8	4373	9.1	11134	25.8		
Funa	<i>Cyprinus carpio</i>	1875	9.9	517	2.8	746	2.0	578	2.1	1436	5.3	578	3.1	491	2.7	416	1.3	664	1.0	1099	2.0	938	1.9	660	1.5		
Koi	Cobitidae	48	0.3	2	0.0	15	0.0	281	1.0	656	2.4	53	0.5	75	0.4	26	0.1	743	1.1	458	0.8	64	0.1	11	0.0		
Unagi	<i>Anguilla japonica</i>	26	0.1	30	0.2	11	0.0	323	1.2	1489	5.5	780	4.2	1005	5.6	915	2.8	1065	1.6	536	1.0	86	0.2	1	0.0		
Haze	Gobiidae	8	0.0	116	0.6	483	1.5	1698	6.2	503	1.9	225	1.2	2074	11.6	2824	8.6	1815	2.8	2505	4.5	6101	12.6	1748	4.0		
Total	(Fish)	11255	59.6	6168	32.9	23341	62.6	9895	36.2	15491	57.1	9395	50.7	10204	57.0	25111	76.3	56477	87.8	43791	78.2	31128	64.4	29814	69.0		
Tanishi	Viviparidae	4267	22.6	7765	41.3	10192	27.3	15177	55.5	6356	23.5	2811	15.2	630	3.5	105	0.3	1158	1.8	4494	8.0	12059	25.0	9278	21.5		
Shijimi	Corbiculidae	705	3.7	1181	6.3	746	2.0	593	2.2	3135	11.6	4331	23.4	5295	29.6	6806	20.7	5906	9.2	6551	11.7	2786	5.8	1578	3.7		
Karasugai	Unionidae	1385	7.3	2441	13.0	1411	3.8	685	2.5	433	1.6			432	2.4	103	0.3	165	0.3	35	0.1	720	1.5	871	2.0		
Total	(Molluscs)	6357	33.7	11387	60.6	12349	33.1	16455	60.2	9924	36.7	7142	38.6	6357	35.5	7014	21.3	7229	11.2	11080	20.8	15565	32.2	11727	27.2		
Ebi	Shrimps	1278	6.7	1215	6.5	1597	4.3	964	3.5	1646	6.1	1980	10.7	1335	7.5	803	2.4	611	0.9	1106	2.0	1650	3.4	1654	3.8		
Total sum		18890	100	18770	100	57287	100	27312	100	27061	100	18517	100	17896	100	32928	100	64317	100	55977	100	48343	100	43195	100		

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Table 1-17. Monthly changes in landing amounts of fishes in 1956.

Species	1956 (S.31) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	4	0.0	26	0.1	8	0.0	34	0.1	23	0.1	49	0.2	120	0.8	15	0.1	0.4	0.0	4	0.0	8	0.0	34	0.1			
Masu	<i>Salmo ilideus</i>																			2	0.0	11	0.0					
Ayu	<i>Plecoglossus altivelis</i>															19	0.1	75	0.2	4	0.0			1	0.0			
Wakasagi	<i>Hypomesus olidus</i>	6671	25.3	6413	21.5	10009	21.9	4950	17.0	596	2.3	619	3.0	293	2.0	16324	62.1	31692	76.6	29006	64.4	21806	46.7	11985	31.5			
Namazu	<i>Parasilurus asotus</i>	255	1.0	221	0.7	210	0.5	375	1.3	1365	5.2	1463	7.1	1230	8.2	503	1.9	203	0.5	206	0.5	158	0.3	285	0.7			
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	199	0.8	93	0.3	53	0.1	278	1.0	105	0.4	476	2.3	442	3.0	881	3.4	1058	2.6	1208	2.7	1545	3.5	799	2.1			
Moroko	<i>Gnathopodon e.</i>	405	1.5	986	3.3	758	1.7	608	2.1	330	1.3	116	0.6	30	0.2	30	0.1	139	0.3	315	0.7	386	0.8	206	0.5			
Motsugo	<i>Pseudonashbona p.</i>	4	0.0	8	0.0	1	0.0	45	0.2	53	0.2	169	0.8	139	0.9	105	0.4	4	0.0			15	0.0	4	0.0			
Kamatsuka	<i>Pseudogobio esocinus</i>	85	0.3	278	0.9	30	0.1	60	0.2	75	0.3	191	0.9	86	0.6	79	0.4	64	0.2	123	0.3	48	0.1	41	0.1			
Higai	<i>Sarcocheilichthys variegatus</i>	11	0.0	19	0.1	23	0.1	11	0.0	60	0.2	34	0.2	11	0.1	30	0.1	11	0.0	38	0.1	19	0.0	15	0.0			
Ugui	<i>Tribolodon hakonensis</i>	143	0.5	158	0.5	150	0.3	34	0.1	41	0.2	878	4.3	1008	6.7	150	0.6	4	0.0	8	0.0	11	0.0	19	0.0			
Akaiwa	<i>Zacco platypus</i>	7133	27.0	5614	18.8	13789	30.2	4782	16.5	7036	26.7	5216	25.5	2827	18.9	1652	6.3	2276	5.5	2483	5.5	2482	5.3	5201	13.7			
Haya	<i>Carassius carassius</i>	364	1.4	296	1.0	1042	2.5	458	1.6	1470	5.6	855	4.2	536	3.6	570	2.2	720	1.7	870	1.9	885	1.9	1365	3.6			
Funa	<i>Cyprinus carpio</i>	8	0.0	4	0.0	8	0.0	484	1.7	593	2.2	71	0.3	38	0.3	349	1.3	1118	2.7	540	1.2	56	0.1	48	0.1			
Dojo	Cobitidae	34	0.1	23	0.1	4	0.0	218	0.8	195	0.7	806	3.9	919	6.1	945	3.6	1058	2.6	398	0.9	101	0.2	1	0.0			
Unagi	<i>Anguilla japonica</i>	180	0.6	83	0.3	2719	6.0	3420	11.8	1173	4.5	319	1.6	1384	9.2	1215	4.6	293	0.7	1035	2.3	2066	4.4	428	1.1			
Haze	Gobiidae																											
Total	(Fish)	15494	58.7	14222	47.6	28804	63.1	15757	54.3	13115	49.8	11262	55.0	9063	60.5	22867	87.0	38715.4	93.6	36240	80.4	29597	63.4	20432	53.7			
Tanishi	Viviparidae	7631	28.9	10118	33.9	13251	29.0	11059	38.0	9588	36.4	3102	15.2	839	5.6	516	2.0	984	2.4	6988	15.5	15319	32.8	15368	40.4			
Shijimi	Corbiculidae	1748	6.6	1973	6.6	1129	2.5	668	2.3	2460	9.3	4815	23.5	4084	27.3	1976	7.5	911	2.2	581	1.3	836	1.8	424	1.1			
Karasugai	Unionidae	517	2.0	1906	6.4	1330	2.9	1022	3.5	235	0.9	164	0.8	168	1.1	262	1.0	198	0.5	95	0.2	88	0.2	745	2.0			
Total	(Molluscs)	9896	37.5	13997	46.9	15710	34.4	12749	43.9	12235	46.5	8081	39.5	5091	34.0	2754	10.5	2093	5.1	7664	17.0	16243	34.8	16537	43.5			
Ebi	Shrimps	998	3.8	1653	5.5	1110	2.4	529	1.8	953	3.6	1125	5.5	818	5.5	653	2.5	536	1.3	1163	2.6	844	1.8	1050	2.8			
Total sum		26388	100	29872	100	45624	100	29035	100	26303	100	20468	100	14972	100	26274	100	41344.4	100	45067	100	46684	100	38019	100			

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Table 1-18. Monthly changes in landing amounts of fishes in 1957.

Species	1957 (S. 32) Month		1		2		3		4		5		6		7		8		9		10		11		12		
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	4	0.0	4	0.0	4	0.0	15	0.0	11	0.0	50	0.1	34	0.2	19	0.1	4	0.0	4	0.0	4	0.0	26	0.1	34	0.1
Ayu	<i>Plecoglossus altivelis</i>									2	0.0				4	0.0		157	0.5	4	0.0	4	0.0	0.4	0.0	1	0.0
Wakasagi	<i>Hypomesus olidus</i>	4894	24.5	14599	44.5	12941	57.5	12551	30.1	2265	7.9	2258	10.3	5640	29.2	8955	41.7	32483	72.8	29224	63.6	22346	53.2	20786	48.9		
Namazu	<i>Parasilurus asotus</i>	248	1.3	75	0.2	183	0.5	383	0.9	1710	6.0	2190	10.0	859	4.5	398	1.9	244	0.5	210	0.5	169	0.4	235	0.5		
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	581	2.9	923	2.8	108	0.5	68	0.2	305	1.1	705	5.2	1343	7.0	1545	7.2	1061	2.4	1114	2.4	1518	3.6	596	1.4		
Moroko	<i>Gnathopodon e.</i>	776	3.9	274	0.8	615	1.8	859	2.1	315	1.1	56	0.5	60	0.5	116	0.5	300	0.7	469	1.0	416	1.0	173	0.4		
Motsugo	<i>Pseudorasbora p.</i>			4	0.0			8	0.0	120	0.4	71	0.5	4	0.0	23	0.1					8	0.0				
Kamatsuka	<i>Pseudogobio esocinus</i>	150	0.8	49	0.2	71	0.2	135	0.3	143	0.5	60	0.5	38	0.2	60	0.3	45	0.1	150	0.5	23	0.1	101	0.2		
Higai	<i>Sarcocheilichthys variegatus</i>	8	0.0	4	0.0	4	0.0	23	0.1	53	0.2	11	0.1	4	0.0	4	0.0	15	0.0	8	0.0	8	0.0	8	0.0		
Ugui	<i>Tribolodon hakonensis</i>	45	0.2	8	0.0	15	0.0	11	0.0	34	0.1	173	0.8	120	0.6	143	0.7	4	0.0	4	0.0	19	0.0	105	0.2		
Akazu	<i>Zacco platypus</i>	2764	14.0	6762	20.5	7301	21.0	4711	11.5	5183	18.1	4789	21.8	2535	15.1	1834	8.5	2074	4.7	2371	5.2	2078	4.9	6042	14.2		
Oikawa	<i>Carassius carassius</i>	679	3.4	641	1.9	428	1.2	1373	3.5	2148	7.5	2378	10.8	1695	8.8	2381	11.1	1661	3.7	1958	4.3	1088	2.6	1665	3.9		
Haya	<i>Cyprinus carpio</i>																	11	0.0								
Funa	<i>Hypophthalmichthys molitrix</i>	30	0.2			26	0.1	585	1.4	453	1.6	98	0.4	38	0.2	101	0.5	1148	2.6	788	1.7	19	0.0	30	0.1		
Koi	Cobitidae	4	0.0	1	0.0	4	0.0	203	0.5	420	1.5	896	4.1	1091	5.6	911	4.2	596	1.3	161	0.4	83	0.2	4	0.0		
Rengyo	<i>Anguilla japonica</i>					1	0.0	4	0.0	4	0.0	4	0.0	8	0.0	4	0.0			8	0.0						
Dojo	<i>Channa argus</i>	49	0.2	113	0.5	1425	4.1	2888	6.9	341	1.2	68	0.5	499	2.6	1380	6.4	1226	2.7	2385	5.2	1748	4.2	548	1.5		
Unagi	Gobiidae	10232	51.7	23457	71.2	23125	66.6	23814	57.1	13505	47.0	13787	62.9	13968	72.4	17878	83.3	40998	91.9	38869	84.5	29549.4	70.4	30319	71.5		
Tanishi	Viviparidae	8203	41.5	8016	24.3	9561	27.5	16471	39.5	11000	38.3	2855	15.0	629	3.2	1037	4.8	2949	6.6	6626	14.4	11245	26.8	10059	25.7		
Shijimi	Corbiculidae	511	1.6	109	0.5	68	0.2	56	0.1	3188	11.1	3998	18.2	3589	18.6	2088	9.7	431	1.0	90	0.2	203	0.5	311	0.7		
Karasugai	Unionidae	422	2.1	681	2.1	1079	3.1	864	2.1	433	1.5	398	1.8	552	2.9	99	0.5	17	0.0	34	0.1	259	0.6	1333	3.1		
Total (Molluscs)		8956	45.2	8806	26.7	10708	30.8	17391	41.7	14621	50.9	7251	33.1	4770	24.7	3224	15.0	3397	7.6	6750	14.7	11707	27.9	11703	27.5		
Ebi	Shrimps	619	3.1	690	2.1	903	2.6	503	1.2	585	2.0	885	4.0	563	2.9	360	1.7	199	0.4	360	0.8	731	1.7	488	1.2		
Total sum		19787	100	32953	100	34736	100	41708	100	28711	100	21923	100	19301	100	21462	100	44594	100	45979	100	41987.4	100	42510	100		

Table 1-19. Monthly changes in landing amounts of fishes in 1958.

Species	1958 (S.53)	Month		1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>	8	0.0	8	0.0	8	0.0	49	0.2	49	0.2	124	0.5	109	0.6	8	0.0	4	0.0	11	0.0	26	0.1	26	0.1		
Ayu	<i>Plecoglossus altivelis</i>													8	0.0	15	0.0	38	0.1	0.4	0.0						
Wakasagi	<i>Hypomesus olidus</i>	14662	54.5	13661	41.7	3356	11.4	4643	16.1	982	4.2	1013	3.9	833	4.3	20029	56.9	35408	72.3	30885	64.5	21060	47.8	13785	35.1		
Namazu	<i>Parasilurus asotus</i>	139	0.5	116	0.4	124	0.4	285	1.0	1028	4.4	1403	5.4	979	5.0	435	1.2	353	0.7	236	0.5	263	0.6	191	0.5		
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	169	0.6	424	1.5	536	1.8	159	0.5	235	1.0	941	3.6	2245	11.5	2149	6.1	1005	2.0	881	1.8	480	1.1	86	0.2		
Moroko	<i>Gnathopodon e.</i>	39	0.1	619	1.9	1185	4.0	836	2.9	1039	4.5	379	1.5	259	1.3	304	0.9	368	0.8	968	2.0	754	1.7	630	1.6		
Motsugo	<i>Pseudorasbora p.</i>	4	0.0	1	0.0	1	0.0	23	0.1	105	0.5	94	0.4	34	0.2	8	0.0	4	0.0					2	0.0		
Kamatsuka	<i>Pseudogobio esocinus</i>	563	2.1	608	1.9	503	1.7	386	1.3	180	0.8	145	0.6	124	0.6	120	0.3	139	0.5	98	0.2	58	0.1	26	0.1		
Higai	<i>Sarcocheilichthys variegatus</i>	4	0.0	4	0.0	11	0.0	11	0.0	23	0.1	11	0.0	30	0.2	8	0.0	34	0.1	41	0.1	23	0.1	23	0.1		
Ugui	<i>Tribolodon hakonensis</i>	84	0.3	169	0.5	98	0.3	71	0.2	165	0.7	810	3.1	480	2.5	60	0.2	19	0.0	19	0.0	26	0.1	49	0.1		
Oikawa	<i>Zacco platypus</i>	5314	19.7	7482	22.8	4875	16.6	3296	11.5	4677	20.2	7999	30.9	3304	17.0	2550	7.3	2464	5.0	2415	5.0	4474	10.2	9942	25.3		
Haya	<i>Carassius carassius</i>	664	2.5	630	1.9	390	1.3	2089	7.3	1564	6.8	2108	8.1	949	4.9	1148	3.3	2228	4.5	4643	9.7	5096	11.6	3180	8.1		
Funa	<i>Cyprinus carpio</i>																					2	0.0				
Koi	<i>Hypophthalmichthys molitrix</i>	4	0.0			8	0.0	724	2.5	506	2.2	101	0.4	83	0.4	105	0.3	1200	2.5	555	1.2	19	0.0	15	0.0		
Rengyo	Cobitidae	1	0.0	4	0.0	15	0.1	30	1.0	154	0.7	859	3.3	1643	8.4	589	1.7	1286	2.6	109	0.2	49	0.1	0.4	0.0		
Dojo	<i>Anguilla japonica</i>							1	0.0	8	0.0	2	0.0	2	0.0												
Unagi	<i>Channa argus</i>	65	0.2	105	0.3	1850	6.3	1774	6.2	480	2.1	278	1.1	1568	8.1	2074	5.9	1909	3.9	716	1.5	1440	3.3	405	1.0		
Haze	Gobiidae																										
Total	(Fish)	21718	80.7	25831	72.7	12960	44.1	14357	49.9	11195	48.4	16265	62.7	12648	65.0	29602	84.2	46459	94.9	41577.4	86.8	33750	76.6	28360.4	72.3		
Tanishi	Viviparidae	4005	14.9	6310	19.3	13225	45.1	13149	45.7	5929	25.6	2115	8.2	863	4.4	385	1.1	958	2.0	4501	9.4	8510	19.3	9122	23.3		
Shijimi	Corbiculidae	131	0.5	259	0.8	454	1.5	161	0.6	4838	20.9	6090	23.5	5168	26.6	4715	15.4	855	1.7	555	1.2	480	1.1	169	0.4		
Karasugai	Unionidae	681	2.5	1776	5.4	2012	6.8	597	2.1	422	1.8	689	2.7	396	2.0	239	0.7	129	0.3	293	0.6	586	1.3	940	2.4		
Total	(Molluscs)	4817	17.9	8345	25.5	15691	53.4	13907	48.4	11189	48.4	8894	34.3	6427	33.0	5539	15.2	1942	4.0	5349	11.2	9576	21.7	10231	26.1		
Ebi	Shrimps	375	1.4	596	1.8	746	2.5	495	1.7	735	3.2	765	3.0	375	2.0	229	0.6	573	1.1	960	2.0	709	1.6	649	1.6		
Total sum		26910	100	32772	100	29397	100	28759	100	23117	100	25924	100	19450	100	35170	100	48974	100	47886.4	100	44035	100	39240.4	100		

Table 1-20. Monthly changes in landing amounts of fishes in 1959.

Species	1959 (S.34) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	9	0.0	11	0.0	15	0.0	24	0.0	72	0.2	127	0.5	105	0.5	41	0.1	3	0.0	1	0.0	4	0.0	18	0.0			
Ayu	<i>Plecoglossus altivelis</i>													27	0.1	23	0.1	28	0.1									
Wakasagi	<i>Hypomesus olidus</i>	9417	34.9	13575	40.6	13552	31.6	11703	32.5	1850	5.9	1458	6.2	978	4.4	18512	57.3	23178	65.9	23499	58.2	21583	44.0	8630	20.4			
Namazu	<i>Parasilurus asotus</i>	506	1.1	151	0.4	152	0.4	185	0.5	1238	3.9	1920	8.1	1599	7.3	909	2.8	573	1.6	401	1.0	316	0.6	348	0.8			
Tanago	<i>Pseudoperilampus t. Rhodius o.</i>	33	0.1	7	0.0	38	0.1	45	0.1	64	2.0	209	0.9	177	0.8	501	1.6	843	2.3	2804	7.0	2456	5.0	1545	3.7			
Moroko	<i>Gnathopodon e.</i>	349	1.3	873	2.6	2279	5.3	2133	5.9	1667	5.3	1056	4.5	686	3.1	320	1.0	504	1.4	907	2.2	874	1.8	564	1.3			
Motsugo	<i>Pseudorasbora p.</i>																											
Kamatsuka	<i>Pseudogobio esocinus</i>							3	0.0	38	0.1	72	0.3	17	0.1	10	0.0	2	0.0									
Higai	<i>Sarcocheilichthys variegatus</i>	979	3.6	596	1.8	451	1.1	153	0.4	249	0.8	68	0.3	75	0.3	72	0.2	56	0.2	51	0.1	69	0.1	2	0.0			
Ugui	<i>Tribolodon hakonensis</i>	4	0.0	12	0.0	8	0.0	10	0.0	37	0.1	22	0.1	32	0.1	77	0.2	26	0.1	38	0.1	88	0.2	77	0.2			
Akאו	<i>Zacco platypus</i>	45	0.2	40	0.1	101	0.2	51	0.1	89	0.3	664	2.8	660	3.0	170	0.5	60	0.2	91	0.2	196	0.4	147	0.3			
Oikawa	<i>Carassius carassius</i>	6288	23.3	6133	18.4	8305	19.4	3926	10.9	11531	36.7	4552	19.4	4274	19.4	2561	7.9	2302	6.3	2120	5.2	3486	7.1	11994	28.3			
Haya	<i>Cyprinus carpio</i>	2167	8.0	1428	4.3	960	2.2	1181	3.3	1924	6.1	1340	5.7	1711	7.8	1688	0.5	2470	6.8	3515	8.7	3978	8.1	2906	6.9			
Rengyo	<i>Hypophthalmichthys molitrix</i>	1	0.0																									
Dojo	Cobitidae	1	0.0	3	0.0	35	0.1	444	1.2	1013	3.3	40	0.2	138	0.6	263	0.8	924	2.5	464	1.1	22	0.0	17	0.0			
Unagi	<i>Anguilla japonica</i>	19	0.1	8	0.0	11	0.0	8	0.0	79	0.3	697	3.0	1246	5.7	997	3.1	444	1.2	172	0.4	99	0.2					
Raigyo	<i>Channa argus</i>											1	0.0															
Haze	Gobiidae	92	0.3	49	0.1	950	2.2	1729	4.8	425	1.4	218	0.9	579	2.6	478	1.5	609	1.7	212	0.5	381	0.8	112	0.3			
Total	(Fish)	19710	73.1	22866	68.5	26857	62.5	21595	59.9	20276	64.6	12444	53.0	12504	55.9	26622	82.4	32022	88.3	34315	85.0	33552	68.4	26360	62.3			
Tanishi	Viviparidae	4851	18.0	8435	25.3	12958	30.2	11910	33.0	5604	17.9	1872	8.0	755	3.4	1045	3.2	1134	3.1	4164	10.3	13457	27.4	15135	31.0			
Shijimi	Corbiculidae	535	2.0	633	1.9	399	0.9	288	0.8	4202	13.4	7741	3.3	7903	35.9	3849	11.9	2667	7.4	1500	3.7	1352	2.8	852	2.0			
Karasugai	Unionidae	1431	5.3	1112	3.3	1854	4.3	1841	5.1	362	1.2	310	1.3	552	2.5	544	1.7	237	0.7	197	0.5	399	0.8	1819	4.3			
Total	(Molluscs)	6817	25.3	10180	30.5	15211	35.5	14039	39.0	10168	32.4	9923	42.3	9210	41.9	5438	16.8	4038	11.1	5861	14.5	15208	31.0	15806	37.4			
Ebi	Shrimps	435	1.6	356	1.0	838	2.0	403	1.1	942	3.0	1116	4.7	489	2.2	240	0.7	196	0.5	220	0.5	314	0.6	149	0.3			
Total sum		26962	100	33402	100	42906	100	36037	100	31386	100	23483	100	22003	100	52300	100	36256	100	40396	100	49074	100	42315	100			

Table 1-21. Monthly changes in landing amounts of fishes in 1960.

Species	1960 (S.35) Month		1		2		3		4		5		6		7		8		9		10		11		12		
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	6	0.0	4	0.0	4	0.0	26	0.1	20	0.1	31	0.1	31	0.1			9	0.0	0.2	0.0	4	0.0	59	0.1		
Ayu	<i>Plecoglossus altivelis</i>														4	0.0	51	0.1	13	0.0							
Wakasagi	<i>Hypomesus olidus</i>	5828	21.6	15428	39.5	10105	28.0	14839	36.9	3955	11.9	7713	24.4	10424	42.5	14080	54.6	23111	66.7	0.0	28453	63.3	21771	47.6	12347	27.0	
Namazu	<i>Parasilurus asotus</i>	247	0.9	143	0.4	154	0.4	328	0.8	1775	5.3	2055	6.5	1124	4.6	690	2.7	256	0.7	199	0.4	193	0.4	270	0.6		
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	411	1.5	173	0.4	191	0.5	40	0.1	44	0.1	95	0.3	256	1.0	856	3.3	1019	2.9	696	1.5	531	1.1	160	0.3		
Moroko	<i>Gnathopodon e.</i>	293		844		2651		2249		1671		971		614		799		1682		1697		1843		1333			
Motsugo	<i>Pseudorasbora p.</i>		1.1		2.2		7.3		5.6		5.0		3.1		2.5		3.1		4.9		3.8		4.0		2.9		
Kamatsuka	<i>Pseudogobio esocinus</i>			3	0.0	1	0.0	3	0.0	12	0.0	15	0.1	3	0.0					0.3							
Higai	<i>Sarcocheilichthys variegatus</i>	24	0.1	471	1.1	611	1.7	254	0.6	311	0.9	47	0.1	117	0.5	92	0.4	10	0.0	28	0.1	30	0.1	30	0.1		
Ugui	<i>Tribolodon hakonensis</i>	4	0.0	16	0.0	12	0.0	51	0.1	57	0.2	14	0.0	17	0.1	21	0.1	3	0.0	19	0.0	80	0.2	58	0.1		
Akazu	<i>Zacco platypus</i>	95	0.4	111	0.3	147	0.4	74	0.2	56	0.2	325	1.0	423	1.7	103	0.4	19	0.1	39	0.1	49	0.1	123	0.3		
Haya	<i>Carassius carassius</i>	8217	30.4	7530	19.3	7749	21.5	3190	7.9	9578	28.9	5152	16.3	3969	16.2	4833	18.7	3742	10.8	3731	8.3	5686	12.4	13226	28.9		
Funa	<i>Cyprinus carpio</i>	966	3.6	823	2.1	1079	3.0	1713	4.3	4021	12.1	3200	10.1	1596	6.5	1084	4.2	1415	4.1	2526	5.6	2780	6.1	2552	5.6		
Dojo	Cobitidae	14	0.1	52	0.1	55	0.2	577	1.4	1015	3.1	35	0.1	32	0.1	209	0.8	708	2.0	220	0.5	16	0.0	50	0.1		
Unagi	<i>Anguilla japonica</i>	0.3	0.0	12	0.0	5	0.0	24	0.0	123	0.4	1009	3.2	1325	5.4	405	1.6	304	0.9	124	0.3	60	0.1	1	0.0		
Haze	Gobiidae	8	0.0	423	1.1	421	1.2	684	1.7	173	0.5			82	0.3	553	2.1	154	0.4	146	0.3	352	0.8	138	0.3		
Total (Fish)		16113.3	59.6	26033	66.7	23185	64.2	24052	59.8	22791	68.7	20662	65.4	20013	81.5	23729	92.0	32483	93.7	37891.5	84.4	33395	73.0	30327	66.3		
Tanishi	Viviparidae	8373	31.0	10184	26.1	10937	30.3	13668	34.0	6531	19.7	3385	10.7	377	1.5	275	1.1	1112	3.2	4769	10.6	10211	22.3	13105	28.6		
Shijimi	Corbiculidae	740	2.7	537	1.4	381	1.1	390	1.0	3247	9.8	6989	22.1	3630	14.8	1464	5.7	871	2.5	1287	2.9	775	1.7	646	1.4		
Karasugai	Unionidae	1759	6.5	2172	5.6	1393	3.9	1974	4.9	457	1.4	452	1.4	440	1.8	257	1.0	86	0.2	379	0.8	277	0.6	750	1.6		
Total (Molluscs)		10872	40.2	12893	33.0	12711	35.2	16032	39.9	10235	30.8	10826	34.2	4447	18.1	1996	7.7	2069	6.0	6435	14.3	11263	24.6	14501	31.7		
Ebi	Shrimps	50	0.2	130	0.3	208	0.6	115	0.3	166	0.5	133	0.4	102	0.4	63	0.2	109	0.3	589	1.3	1077	2.4	930	2.0		
Total sum		27035.3	100	39056	100	36104	100	40199	100	33192	100	31621	100	24562	100	25788	100	34661	100	44915.5	100	45735	100	45758	100		

諏訪湖月別漁獲高の経年変化の資料

Table 1-22. Monthly changes in landing amounts of fishes in 1961.

Species	1961 (S.36) Month		1		2		3		4		5		6		7		8		9		10		11		12		
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	2		3		3		4		9		18		12		1		7		1		1		12			
Ayu	<i>Plecoglossus altivelis</i>		0.0		0.0		0.0		0.0		0.0		0.1		0.1		0.0		0.0		0.0		0.0		0.0		
Wakasagi	<i>Hypomesus olidus</i>	3525		10387		15593		9055		515		549		1134		13148		20688		32347		24061		14124			
Namazu	<i>Parasilurus asotus</i>	186	20.1	245	32.7	141	35.0	184	27.5	1659	1.6	2977	1.9	949	5.2	415	48.2	463	55.5	372	65.8	267	51.8	263		31.7	
Tanago	<i>Pseudoperilampus t. Rhodens o.</i>	11	1.1	74	0.8	130	0.3	22	0.6	55	5.3	105	10.4	208	4.4	696	1.5	1232	1.2	679	0.7	722	5.7	334		0.6	
Moroko	<i>Gnathopodon e.</i>	423	0.1	422	0.2	3181	0.5	2657	0.1	3014	0.1	2483	0.4	1409	1.0	932	2.6	1165	3.3	1521	1.4	2792	1.6	990		0.7	
Motsugo	<i>Pseudorasbora p.</i>		2.4		1.5		6.7		8.0		9.6		8.7		6.5		5.4		3.1		3.1		6.0		2.2		
Kamatsuka	<i>Pseudogobio esocinus</i>								1		0.0		1		0.4		0.0		1		0.0		0.5		0.0		
Higai	<i>Sarcocheilichthys variegatus</i>	1451	8.1	1777	5.6	1454	3.1	564	1.7	251	0.7	31	0.1	32	0.1	95	0.5	75	0.2	50	0.1	56	0.1	34		0.1	
Uguro	<i>Tribolodon hakonensis</i>	5	0.0	1	0.0	11	0.0	84	0.3	36	0.1	53	0.1	18	0.1	28	0.1	9	0.0	2	0.0	29	0.1	30		0.1	
Akayu	<i>Zacco platypus</i>	82	0.5	69	0.2	94	0.2	65	0.2	58	0.2	440	1.5	381	1.8	183	0.7	204	0.5	450	0.9	559	1.2	672		1.5	
Oikawa	<i>Carassius carassius</i>	2321	13.5	5557	17.4	13547	28.6	3124	9.4	8429	26.8	6810	25.8	5053	23.5	3029	11.1	4549	12.2	4131	8.4	3808	16.4	11383		25.5	
Haya	<i>Cyprinus carpio</i>	418	2.4	625	2.0	955	2.0	1549	4.1	2391	7.6	3038	10.6	2652	12.2	1986	7.3	2523	6.8	2766	5.6	2771	6.0	3107		7.0	
Funa	Cobitidae				3		287		789		87		44		68		553		240		24		24		1		
Koi	<i>Anguilla japonica</i>	24	0.1	27	0.1	19	0.0	25	0.1	218	0.7	741	2.6	785	3.6	481	1.8	424	1.1	176	0.4	54	0.1	1		0.0	
Dojo	Gobiidae	6	0.0	33	0.1	339	0.7	1552	4.7	271	0.9	257	0.9	1482	6.8	1863	6.8	648	1.7	742	1.5	1662	3.6	505		1.1	
Unagi																											
Haze																											
Total (Fish)		8434	48.2	19200	60.4	55448	75.0	18948	57.3	17676	56.3	17568	61.4	14159.4	65.3	22936	84.1	32581	87.3	43477	88.4	36806.5	79.2	31455		70.5	
Tanishi	Viviparidae	6729	38.4	8740	27.5	8246	17.4	11521	34.8	7134	22.7	3067	10.7	1147	5.3	1447	5.3	2896	7.8	4302	8.7	8183	17.6	11837		26.5	
Shijimi	Corbiculidae	727	4.2	783	2.5	523	1.1	858	2.6	5410	17.2	6636	23.2	4015	18.5	2075	7.6	1081	2.9	690	1.4	784	1.7	450		1.0	
Karasugai	Unionidae	837	4.8	2216	7.0	2243	4.8	1505	3.9	700	2.2	769	2.7	422	1.9	214	0.8	557	1.5	369	0.8	440	0.9	552		1.2	
Total (Molluscs)		8293	47.4	11759	56.9	11012	23.5	13684	41.4	13244	42.2	10472	36.6	5584	25.8	5736	13.7	4534	12.2	5361	10.9	9407	20.3	12819		28.7	
Ebi	Shrimps	781	4.4	834	2.7	827	1.7	418	1.3	485	1.5	595	2.0	1934	8.9	594	2.2	193	0.5	352	0.7	232	0.5	321		0.7	
Total sum		17508	100	31773	100	47287	100	55050	100	51405	100	28655	100	21677.4	100	27266	100	37308	100	49190	100	46445.5	100	44595		100	

Table 1-23. Monthly changes in landing amounts of fishes in 1962.

Species	1962 (S. 37) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	2	0.0	1	0.0	2	0.0	28	0.1	9	0.0	16	0.0	26	0.1	4	0.0	1	0.0					0.3	0.0	0.2	0.0	
Masu	<i>Salmo ilideus</i>									42	0.1																	
Ayu	<i>Plecoglossus altivelis</i>													1	0.0			5	0.0									
Wakasagi	<i>Hypomesus olidus</i>	9869	34.0	16710	44.9	15546	44.0	29785	58.4	17460	30.8	9497	16.2	11417	48.6	17013	59.7	23813	40.0	31752	52.2	19208	39.9	21484	45.4			
Namazu	<i>Parasilurus asotus</i>	322	1.1	119	0.3	117	0.3	198	0.4	1837	3.2	2722	4.7	889	3.8	324	1.1	213	0.4	114	0.2	146	0.3	162	0.3			
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	53	0.2	91	0.2	157	0.4	86	0.2	152	0.3	200	0.3	349	1.5	939	3.3	23823	40.0	17250	28.4	5274	11.0	3249	6.9			
Moroko	<i>Gnathopodon e.</i>	370		863		1864		1824		1954		658		397		575		1118		559		620		461				
Motsugo	<i>Pseudorasbora p.</i>																											
Kamatsuka	<i>Pseudogobio esocinus</i>									15	0.0																	
Higai	<i>Sarcocheilichthys variegatus</i>	221	0.8	423	1.1	1300	3.7	262	0.5	127	0.2	7	0.0	36	0.2	131	0.5	331	0.5	84	0.1	47	0.1	93	0.2			
Ugui	<i>Tribolodon hakonensis</i>	16	0.1	4	0.0	8	0.0	3	0.0	38	0.1	10	0.0	3	0.0	2	0.0	3	0.0	173	0.3	16	0.0	10	0.0			
Akaiwa	<i>Zacco platypus</i>	520	1.8	439	1.2	776	2.1	497	1.0	319	0.6	742	1.3	966	4.1	286	1.0	107	0.2	111	0.2	240	0.5	349	0.7			
Haya	<i>Carassius carassius</i>	7452	25.6	9950	26.7	8058	22.8	3537	6.9	15347	27.1	9321	15.9	3472	14.8	3503	12.3	3841	6.5	3624	6.0	4070	8.4	11508	24.3			
Funa	<i>Cyprinus carpio</i>	1160	4.0	557	1.4	1040	2.9	2205	4.3	2996	5.3	2488	4.3	684	2.9	714	2.5	1122	1.9	1568	2.6	1832	4.0	1132	2.4			
Koi	<i>Cyprinus carpio</i>																											
Dojo	Cobitidae					2		155		578		78		2		44		214		144		10						
Unagi	<i>Anguilla japonica</i>	4	0.0	14	0.0	14	0.0	8	0.0	58	0.1	308	0.5	624	2.7	355	1.2	121	0.2	63	0.1	3	0.0	1	0.0			
Haze	Gobiidae	50	0.2	293	0.8	686	1.9	2356	4.6	351	0.6	287	0.5	342	1.5	2143	7.5	923	1.6	238	0.4	492	1.0	35	0.1			
Total	(Fish)	20019	68.9	29444	79.1	29570	83.6	40944	80.3	41283	72.9	26334	45.1	19208	81.7	26033	91.2	55635	93.5	55680	91.5	31958.3	66.4	38484.2	81.3			
Tanishi	Viviparidae	7393	25.5	5979	16.1	4055	11.5	9043	17.7	9072	16.0	26281	45.0	1004	4.3	736	2.6	1803	3.0	3754	6.2	13553	28.1	6816	14.4			
Shijimi	Corbiculidae	356	1.2	363	1.0	308	0.9	176	0.3	5554	9.8	5098	8.7	2301	10.0	1251	4.4	1431	2.4	790	1.3	1067	2.2	268	0.6			
Karasugai	Unionidae	1069	3.7	1086	2.9	916	2.6	664	1.3	440	0.8	319	0.5	690	2.9	331	1.2	288	0.5	112	0.2	362	0.7	355	0.7			
Total	(Molluscs)	8818	30.4	7428	20.0	5279	14.9	9883	19.4	15066	26.6	31698	54.2	3995	17.0	2318	8.1	3522	5.9	4656	7.7	14982	31.1	7439	15.7			
Ebi	Shrimps	200	0.7	332	0.9	504	1.4	152	0.3	308	0.5	417	0.7	299	1.3	167	0.6	389	0.6	501	0.8	1186	2.4	1422	3.0			
Total sum		29037	100	37204	100	35353	100	50979	100	56657	100	58449	100	23502	100	28518	100	59546	100	60837	100	48126.3	100	47345.2	100			

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Table 1-24. Monthly changes in landing amounts of fishes in 1963.

Species	1963 (S.38) Month	1		2		3		4		5		6		7		8		9		10		11		12		
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>			1		4		1		35		40		5						1		2		9		0.0
Ayu	<i>Plecoglossus altivelis</i>				0.0		0.0		0.0		0.1		0.1		0.0				8		0.0		0.0		0.0	
Wakasagi	<i>Hypomesus olidus</i>	6323		4492		28522		15426		824		1278		1186		7530		24021		0.0		32877		12979		9970
Namazu	<i>Parasilurus asotus</i>	91	29.4	282	15.1	114	50.2	151	39.9	1235	2.8	1667	3.8	1351	4.4	486	32.8	387	29.0	0.5	53.7	384	53.7	149	32.7	26.5
Tanago	<i>Pseudoperilampus t. Rhodius o.</i>	323	0.4	374	0.9	649	0.2	979	0.4	625	4.2	1604	5.0	5646	5.0	5146	2.1	46275	0.5	22.4	13924	22.8	5563	14.0	215	
Moroko	<i>Gnathopodon e.</i>	289	1.5	365	1.3	895	1.1	2251	2.5	1901	2.1	1489	4.8	2996	20.9	801	22.4	644	55.9	0.8	1224	22.8	1652	14.0	659	
Motsugo	<i>Pseudorasbora p.</i>		1.3		1.2		1.6		5.8		6.5		4.4		11.1		3.5		0.8		2.0		4.2		1.8	
Kamatsuka	<i>Pseudogobio esocinus</i>	2	0.0																							
Higai	<i>Sarcocheilichthys variegatus</i>	220	1.0	971	3.3	456	0.8	136	0.4	122	0.4	56	0.2	130	0.2	211	0.9	92	0.1	0.9	21	0.0	15	0.0		
Ugui	<i>Tribolodon hakonensis</i>	1	0.0	1	0.0	3	0.0	3	0.0	7	0.0	7	0.0	1	0.0	0.2	0.0	1	0.0	0.2	4	0.0	1	0.0	7	
Akaiuo	<i>Zacco</i>	527	2.5	292	1.0	264	0.5	121	0.3	138	0.5	448	1.3	791	2.9	413	1.8	224	0.3	0.8	482	0.8	373	0.9	364	
Oikawa	<i>platypus</i>		3505		1497		6968		5713		11165		14425		5873		5126		5156		3466		5119		14134	
Haya	<i>Carassius carassius</i>		16.3		5.0		12.3		14.8		38.1		43.1		21.7		13.6		6.2		5.7		12.9		37.6	
Funa	<i>Cyprinus carpio</i>	314	1.5	893	3.0	1695	3.0	1433	3.7	2955	10.1	2605	7.8	1349	5.0	1362	5.9	2192	2.6	2.8	1714	2.8	2119	5.3	3498	
Koi	<i>Cyprinus carpio</i>																									
Dojo	Cobitidae					4		172		566		33		18		106		492		63		1		1		
Unagi	<i>Anguilla japonica</i>	2	0.0	13	0.0	7	0.0	7	0.0	63	1.9	98	0.1	329	0.1	147	0.5	75	0.6	0.1	61	0.1	7	0.0	5	
Haze	Gobiidae	4	0.0	25	0.0	90	0.0	1319	0.0	70	0.2	373	0.3	502	1.2	620	0.6	113	0.1	0.1	8	0.1	23	0.0	0.0	
			0.0		0.1		0.2		3.4		0.2		1.1		1.9		2.7		0.1		0.0		0.1			
Total	(Fish)	11601	54.0	9206	30.9	39671	69.8	27712	71.7	19704	67.3	24116	72.0	20177	74.5	19948.2	86.9	79680	96.2	54229	88.7	28003	70.5	28861	76.7	
Tanishi	Viviparidae	8663	40.3	17494	58.8	14820	26.1	8957	23.2	4529	15.5	1510	4.5	149	0.6	493	2.1	2313	2.8	5725	9.4	10008	25.2	7941	21.1	
Shijimi	Corbiculidae	549	2.6	768	2.6	229	0.4	282	0.7	3370	11.5	6207	18.5	3898	14.4	1790	7.8			340	0.6	350	0.9	94	0.2	
Karasugai	Unionidae	448	2.1	1862	6.3	1398	2.5	1030	2.7	280	1.0	429	1.3	2236	8.3	411	1.8	243	0.3	0.1	80	0.1	543	1.4	97	
Total	(Molluscs)	9660	44.9	20124	67.6	16447	29.0	10269	26.6	8179	27.9	8146	24.3	6283	23.2	2694	11.8	2556	3.1	6145	10.0	10901	27.4	8132	21.6	
Ebi	Shrimps	230	1.1	443	1.5	689	1.2	669	1.7	1404	4.8	1224	3.7	610	2.3	300	1.3	618	0.7	803	1.3	840	2.1	619	1.7	
Total sum		21491	100	29773	100	56807	100	38650	100	29287	100	33486	100	27070	100	22942.2	100	82854	100	61177	100	39744	100	37612	100	

Table 1-25. Monthly changes in landing amounts of fishes in 1964.

Species	1964 (S.39)		Month		1		2		3		4		5		6		7		8		9		10		11		12				
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%			
Amenouo	<i>Oncorhynchus</i>																														
	<i>rhodurus</i>																														
Ayu	<i>Plecoglossus</i>																														
	<i>altivelis</i>																														
Wakasagi	<i>Hypomesus</i>	14019		14591		12226		32475		4867		5447		6343		9099		18010		24064		14898		11504							
	<i>olidus</i>		39.7		52.0		25.2		59.5		16.1		13.7		25.4		34.8		51.0		57.0		45.6		27.4						
Namazu	<i>Parasilurus</i>	138		108		180		518		947		2290		633		376		394		261		203		147							
	<i>asotus</i>		0.4		0.4		0.4		0.9		3.1		5.7		2.5		1.4		1.1		6.2		0.6		0.4						
Tanago	<i>Pseudoperilampus t.</i>	1190		657		1640		1025		2453		4322		5204		5149		4103		3920		3968		5416							
	<i>Rhodeus o.</i>		3.4		2.3		3.4		1.9		8.1		10.8		20.8		19.7		11.6		9.3		12.1		12.9						
Moroko	<i>Gnathopodon e.</i>	267		388		1620		1968		1601		819		94		128		472		865		802		198							
Motsugo	<i>Pseudorasbora p.</i>		0.8		1.4		3.3		3.6		5.3		2.1		0.4		0.5		1.3		2.0		2.5		0.5						
Kamatsuka	<i>Pseudogobio</i>																														
	<i>esocinus</i>										0.1		0.0		1		0.0														
Higai	<i>Sarcocheilichthys</i>	16		212		929		35		19		1				62		36		4		7									
	<i>variegatus</i>		0.0		0.8		1.9		0.1		0.1		0.0			0.2		0.1		0.0		0.0									
Ugui	<i>Tribolodon</i>	4		1		1		3		14		8		1163				1		0.1		8		7							
Akayu	<i>hakonensis</i>		0.0		0.0		0.0		0.0		0.0		0.0		4.6				0.0			0.0		0.0							
Oikawa	<i>Zacco</i>	270		222		685		380		809		1377				398		86		121		150		115							
Haya	<i>platypus</i>		0.8		0.8		1.4		0.7		2.7		3.5				1.5		0.2		0.3		0.5		0.3						
Funa	<i>Carassius</i>	13607		8854		17487		7322		9757		16156		6277		5177		5525		4521		5263		15092							
	<i>carassius</i>		38.5		31.5		36.1		13.4		32.3		40.6		25.1		19.8		15.6		10.7		16.0		36.0						
Koi	<i>Cyprinus</i>	613		640		1522		2794		2295		3116		1763		2410		2352		1424		1236		1208							
	<i>carpio</i>		1.7		2.3		3.1		5.1		7.6		7.8		7.1		9.2		6.7		3.4		3.8		2.9						
Dojo	Cobitidae							234		200		255		205		147		751		163		2		10							
								0.4		0.7		0.6		0.8		0.6		2.1		0.4		0.0		0.0							
Unagi	<i>Anguilla</i>	2		3		5		8		39		150		349		177		304		14		2									
	<i>japonica</i>		0.0		0.0		0.0		0.0		0.1		0.4		0.7		0.9		0.0		0.0		0.0								
Haze	Gobiidae			4		53		71		18				77		467		86		63		47		12							
								0.1		0.1		0.1				0.3		1.8		0.2		0.1		0.1							
Total	(Fish)	30127		25684		36350		46834		23078		33955		22110		23590		32124		35421		26597		33723							
			85.3		91.5		75.0		85.9		76.5		85.2		88.4		90.2		90.9		83.9		81.3		80.4						
Tanishi	Viviparidae	4353		1475		10447		6565		3110		3596		1580		1024		2964		6576		5910		8129							
			12.3		5.2		21.5		12.0		10.3		9.0		6.3		3.9		8.4		15.5		18.1		19.4						
Shijimi	Corbiculidae	72		76		99		83		2869		1456		906		204		44		10		6		1							
			0.2		0.3		0.2		0.2		9.5		3.7		3.6		0.8		0.1		0.0		0.0		0.0						
Karasugai	Unionidae	578		767		1198		739		261		105		77		1105		64		6				69							
			1.6		2.7		2.5		1.4		0.9		0.3		0.3		4.2		0.2		0.0			0.2							
Total	(Molluscs)	5003		2318		11744		7387		6240		5157		2563		2333		3072		6592		5916		8199							
			14.2		8.3		24.2		13.5		20.7		12.9		10.2		8.9		8.7		15.6		18.1		19.5						
Ebi	Shrimps	190		62		395		305		867		730		334		242		134		216		188		34							
			0.5		0.2		0.8		0.6		2.9		1.9		1.4		0.9		0.4		0.5		0.6		0.1						
Total sum		35320		28064		48489		54526		30185		39842		25007		26165		35330		42229		32701		41956							
			100		100		100		100		100		100		100		100		100		100		100		100						

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Table 1-26. Monthly changes in landing amounts of fishes in 1965.

Species	1965 (S. 40) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo <i>Oncorhynchus rhodurus</i>	5	0.0	2	0.0	4	0.0	1	0.0	5	0.0	32	0.1	9	0.0	12	0.0	68	0.0	1	0.0	1	0.0	7	0.0				
Ayu <i>Plecoglossus altivelis</i>															12	0.0	68	0.2										
Wakasagi <i>Hypomesus olidus</i>	3730	17.3	9273	32.6	8955	23.5	12200	26.0	5162	12.2	2399	11.2	2819	13.7	10636	36.6	25647	62.1	36216	76.3	30184	64.5	34358	61.2				
Namazuru <i>Parasilurus asotus</i>	101	0.5	73	0.3	102	2.6	157	0.3	1718	4.1	1301	6.1	1204	5.9	626	2.2	276	0.7	213	0.5	107	0.2	152	0.3				
Tanago (<i>Pseudoperilampus t. Rhodeus o.</i>)	1867	8.6	730	2.6	5000	7.8	1543	3.3	1413	3.3	1017	4.8	6200	30.2	9400	32.3	3430	8.3	1938	4.1	2183	4.7	2682	4.8				
Moroko (<i>Gnathopodon e.</i>)	161	0.7	194	0.7	655	1.7	2013	4.3	1456	3.5	1446	6.8	1003	4.9	815	2.8	722	1.7	941	2.0	721	1.5	89	0.2				
Motsugo (<i>Pseudogobio esocinus</i>)	2	0.0							3	0.0	3	0.0					1	0.0										
Higai (<i>Sarcocheilichthys variegatus</i>)	13	0.1	1	0.0	246	0.6	212	0.5	195	0.5	4	0.0	21	0.1	14	0.1	19	0.1	9	0.0								
Uguri (<i>Tribolodon hakonensis</i>)	2	0.0	1	0.0	23	0.1	9	0.0	57	0.1	2	0.0	2	0.0	11	0.0	5	0.0	13	0.0	19	0.0	10	0.0				
Oikawa (<i>Zacco platypus</i>)	140	0.6	71	0.2	349	0.9	235	0.5	217	0.5	644	3.0	759	3.7	349	1.2	20	0.1	10	0.0	3	0.0	70	0.1				
Haya (<i>Carassius carassius</i>)	6733	31.2	12081	42.5	20106	52.2	5402	11.5	16621	39.4	8466	39.5	4325	21.1	3419	11.8	5123	12.4	3363	7.1	4915	10.5	9875	17.6				
Funa (<i>Cyprinus carpio</i>)	510	2.4	254	0.9	743	1.9	3363	7.2	3367	8.0	1651	7.7	1245	6.1	1437	4.9	2167	5.2	948	2.0	778	1.7	1118	2.0				
Koi (<i>Cyprinus carpio</i>)	3	0.0			1	0.0	114	0.2	991	2.3	177	0.8	93	0.5	154	0.5	848	2.1	31	0.1	8	0.0	13	0.0				
Dojo (<i>Anguilla japonica</i>)	1	0.0	1	0.0	3	0.0	4	0.0	15	0.0	65	0.3	258	1.3	187	0.6	111	0.3	39	0.1	4	0.0						
Haze (<i>Gobiidae</i>)	4	0.0	1	0.0	105	0.3	359	0.8	84	0.2	3	0.0	39	0.2	772	2.7	92	0.2	289	0.6	284	0.6	25	0.0				
Total (Fish)	15272	61.5	22682	79.8	34292	89.0	25612	54.5	31304	74.2	17210	80.6	17977	87.7	27837	95.7	38530	93.3	44011	92.7	39206	83.8	48399	86.2				
Tanishi (<i>Viviparidae</i>)	7565	35.0	5306	18.7	5871	10.1	19145	40.7	8558	20.3	2588	12.1	1518	7.4	752	2.6	2569	6.2	3184	6.7	7180	15.3	7318	13.0				
Shijimi (<i>Corbiculidae</i>)	68	0.3	11	0.0	22	0.1	25	0.1	993	2.4	1132	5.3	904	4.4	309	1.1	76	0.2	55	0.1	138	0.3	84	0.2				
Karasugai (<i>Unionidae</i>)	672	3.1	397	1.4	287	0.7	2205	4.7	1240	2.9	275	1.3	69	0.3	136	0.5	47	0.1	101	0.2	165	0.4	359	0.6				
Total (Molluscs)	8305	38.4	5714	20.1	4180	10.9	21375	45.4	10791	25.6	3995	18.7	2491	12.1	1197	4.1	2692	6.5	3340	7.0	7483	16.0	7761	13.8				
Ebi (<i>Shrimps</i>)	14	0.1	9	0.0	23	0.1	47	0.1	105	0.2	159	0.7	44	0.2	47	0.2	60	0.2	131	0.3	98	0.2	39	0.1				
Total sum	21591	100	28405	100	38495	100	47034	100	42200	100	21364	100	20512	100	29081	100	41282	100	47482	100	46787	100	56199	100				

Table 1-27. Monthly changes in landing amounts of fishes in 1966.

Species	1966 (S.41) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>			1	0.0	2	0.0	18	0.0	47	0.1	28	0.1	9	0.0	3	0.0					15	0.0	36	0.1
Wakasagi	<i>Hypomesus olidus</i>	10654	65.3	22059	55.3	30189	56.5	11013	27.3	810	2.4	1219	4.6	2747	13.2	15478	46.1	25571	60.6	32703	54.6	18851	39.9	20599	30.3
Namazu	<i>Parasilurus asotus</i>	56	0.3	166	0.4	43	0.1	126	0.3	1275	3.8	1863	7.1	910	4.4	496	1.5	352	0.8	242	0.4	181	0.4	84	0.1
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	800	4.9	1997	4.8	2428	4.5	1532	3.5	4636	13.8	3731	14.2	6053	29.1	9888	29.4	6776	16.1	10387	17.3	10891	23.1	12358	18.2
Moroko	<i>Gnathopodon e.</i>	29	0.2	2643	6.4	813	1.5	3222	8.0	2305	6.8	1824	7.0	1110	5.4	612	1.8	263	0.6	679	1.1	1401	3.0	290	0.4
Motsugo	<i>Pseudorasbora p.</i>	95	0.6	433	1.0	368	0.7	183	0.5	23	0.1	7	0.0	22	0.1	27	0.1	9	0.0	5	0.0				
Higai	<i>Sarcocheilichthys variegatus</i>	11	0.1	12	0.0	1	0.0	3	0.0	8	0.0	56	0.2	1	0.0	0.2	0.0			18	0.0	9	0.0	0.4	0.0
Ugui	<i>Tribolodon hakonensis</i>	91	0.6	48	0.1	20	0.0	55	0.1	65	0.2	363	1.4	455	2.2	194	0.6	115	0.3	120	0.2	174	0.4	183	0.3
Akaiwa	<i>Zacco platypus</i>	3203	19.6	10483	25.3	9090	17.0	7419	18.4	16353	48.5	11773	44.8	5784	27.9	4231	12.6	4171	9.9	4303	7.2	4936	10.5	25995	38.3
Haya	<i>Carassius carassius</i>	155	0.9	1335	3.2	643	1.2	1149	2.9	1820	5.4	1238	4.7	1239	6.0	1151	3.4	1569	3.7	1160	1.9	589	1.2	551	0.8
Funa	<i>Cyprinus carpio</i>							306	0.8	699	2.1	183	7.0	167	0.8	336	1.0	1166	2.8	192	0.3	59	0.1	5	0.0
Koi	Cobitidae	1	0.0	3	0.0	1	0.0	0.3	0.0	15	0.0	72	0.3	122	0.6	162	0.5	129	0.3	8	0.0				
Unagi	<i>Anguilla japonica</i>			2	0.0	173	0.3	1266	3.1	166	0.5	12	0.1	465	2.2	254	0.8	187	0.4	28	0.1	265	0.6	1	0.0
Haze	Gobiidae																								
Total	(Fish)	15095	92.5	39182	94.6	45771	82.0	26092.5	64.8	28222	83.7	22369	85.3	19084	92.0	32832.2	97.7	40308	95.5	49845	83.2	37371	79.2	60102.4	88.5
Tanishi	Viviparidae	1024	6.2	1725	4.2	9020	16.9	13176	32.7	2992	8.9	2031	7.7	539	2.6	4	0.0	595	1.4	8094	13.5	8580	18.2	6996	10.3
Shijimi	Corbiculidae	72	0.4	143	0.5	38	0.1	12	0.0	2069	6.1	1249	4.8	428	2.1	298	0.9	1153	2.7	1384	2.3	735	1.6	380	0.6
Karasugai	Unionidae	121	0.7	336	0.8	538	1.0	952	2.4	219	0.6	456	1.8	544	2.6	164	0.5	98	0.2	438	0.7	343	0.7	397	0.6
Total	(Molluscs)	1217	7.4	2204	5.3	9596	17.9	14140	35.1	5280	15.7	3736	14.3	1511	7.3	466	1.4	1846	4.4	9916	16.6	9658	20.5	7773	11.4
Ebi	Shrimps	9	0.1	22	0.1	38	0.1	59	0.1	205	0.6	111	0.4	151	0.7	290	0.9	53	0.1	116	0.2	170	0.3	50	0.1
Total sum		16321	100	41408	100	53405	100	40291.5	100	33707	100	26216	100	20746	100	33588.2	100	42207	100	59877	100	47199	100	67925.4	100

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Table 1-28. Monthly changes in landing amounts of fishes in 1967.

Species	19 67 (S.42) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Ancorhynchus rhodurus</i>	10		11		9		19		72		29		1		1		2		5		10		4	
Ayu	<i>Plecoglossus altivelis</i>		0.1		0.1		0.0		0.0		0.1		0.1		0.0		0.0		0.0		0.0		0.0		0.0
Wakasagi	<i>Hypomesus olidus</i>	254	1.6	3026	20.9	37180	53.5	41728	60.0	12249	24.7	12125	27.0	11155	36.4	19617	73.8	29973	74.5	35928	73.8	22594	68.4	12690	38.3
Namazu	<i>Parasilurus asotus</i>	217	1.4	419	2.9	47	0.1	91	0.1	464	0.9	783	1.7	649	2.1	309	1.2	318	0.8	204	0.4	133	0.4	101	0.3
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>	4010	25.9	1648	11.4	7444	10.7	5131	7.4	8102	16.3	5558	12.4	3587	11.7	32	0.1	68	0.2	10	0.0	5	0.0	44	0.1
Moroko	<i>Gnathopodon e.</i>	695		452		616		1520		871		565		221		41		278		1427		1030		181	
Motsugo	<i>Pseudorasbora p.</i>		4.5		3.1		0.9		2.2		1.8		1.3		0.7		0.2		0.7		2.9		3.1		0.5
Kamatsuka	<i>Pseudogobio esocinus</i>									29		7		0.1		0.0									
Higai	<i>Sarcocheilichthys variegatus</i>	133	0.9	186	1.3	6	0.0	43	0.1	54	0.1	4	0.0	1	0.0	43	0.2	14	0.0	12	0.0	1	0.0	1	0.0
Ugui	<i>Tribolodon hakonensis</i>	4		12		47		49		44		11		43		43		0.4		3		97		33	
(Akauo)			0.0		0.1		0.1		0.1		0.1		0.0		0.1		0.0		0.0		0.2		0.1		0.0
(Oikawa)	<i>Zacco platypus</i>	220	1.4	141	1.0	276	0.4	164	0.2	300	0.6	806	1.8	688	2.2	168	0.6	56	0.1	133	0.3	118	0.4	198	0.6
Haya	<i>Carassius carassius</i>		24.2		10.3		27.6		11.2		39.8		47.1		37.0		10.6		41.23		10.2		8.1		13.5
Funa		3753		1485		19142		7809		19720		21148		11345		2821		4123		3960		4394		17437	52.7
Koi	<i>Cyprinus carpio</i>	306	2.0	89	0.6	708	1.0	440	0.6	1402	2.8	1607	3.6	1306	4.3	1859	7.0	1597	4.0	1790	3.6	615	1.9	394	0.1
Dojo	Cobitidae					21	0.0	625	0.9	1051	2.1	508	1.1	697	2.3	311	1.2	888	2.2	490	1.0	28	0.1	3	0.0
Unagi	<i>Anguilla japonica</i>	9	0.1	4	0.0	1	0.0			25	0.1	61	0.1	103	0.3	71	0.3	38	0.1	14	0.0	2	0.0		
Haze	Gobiidae	20		189		299		600		247		26		60		580		333		258		153		6	
			0.1		1.3		0.4		0.9		0.5		0.1		0.2		2.2		0.8		0.5		0.5		0.0
Total	(Fish)	9631		7662		65796		58219		44630		43238		29856		25854.4		37723		44358		29119		31074	
			62.1		53.1		94.8		83.6		90.0		96.3		97.3		97.3		93.7		91.1		88.4		93.9
Tanishi	Viviparidae	4973	32.1	5435	37.6	3216	4.6	10851	15.6	2588	5.2	45	0.1	22	0.1	10	0.0	1969	4.9	3860	7.9	3463	10.5	1678	5.1
Shijimi	Corbiculidae	261	1.7	50	0.3	146	0.2	45	0.1	1988	4.0	1132	2.5	259	0.8	359	1.4	407	1.0	150	0.3	122	0.4	58	0.2
Karasugai	Unionidae	413	2.7	1147	7.9	280	0.4	443	0.6	191	0.4	79	0.2			11	0.0	43	0.1	178	0.4	184	0.6	276	0.8
Total	(Molluscs)	5674	36.6	6632	45.9	3642	5.2	11339	16.3	4767	9.6	1256	2.8	281	0.9	380	1.4	2419	60.1	4188	8.6	3769	11.4	2012	6.0
Ebi	Shrimps	217	1.4	148	1.0	3	0.0	44	0.1	177	0.4	387	0.9	532	1.8	348	1.3	90	0.2	165	0.3	68	0.2	23	0.1
Total sum		15495	100	14442	100	69441	100	69602	100	49574	100	44881	100	30669	100	26582.4	100	40252	100	48711	100	32956	100	33109	100

Table 1-29. Monthly changes in landing amounts of fishes in 1968.

Species	19 68 (S. 4) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	9	0.1	10	0.0	7	0.0	4	0.0	28	0.1	44	0.1	10	0.0	3	0.0	4	0.0	3	0.0	2	0.0	19	0.0			
Masu	<i>Salmo</i>																		17	0.0	12	0.0						
Ayu	<i>Ilydeus plecoglossus altivelis</i>													8	0.0	43	0.1	168	0.3			9	0.0					
Wakasagi	<i>Hypomesus olidus</i>	8146	68.6	19764	69.9	24068	62.1	8071	36.9	2201	7.7	16623	40.2	13416	43.5	16289	52.4	31103	59.0	39137	76.1	42065	82.5	42400	90.7			
Namazu	<i>Parasilurus asotus</i>	106	0.9	92	0.3	52	1.3	101	0.5	1364	4.8	2191	5.3	661	2.1	348	1.1	97	0.2	45	0.1	39	0.1	48	0.1			
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>			20	0.1	9	0.0			2	0.0	2	0.0	1	0.0													
Moroko	<i>Gnathopogon e.</i>	78		78		161		731		567		627		798		831		843		642		696		125				
Motsugo	<i>Pseudorasbora p.</i>		0.7		0.3		0.4		3.3		2.0		1.5		2.6		2.7		1.6		1.2		1.4		0.3			
Kamatsuka	<i>Pseudogobio esocinus</i>					1		27		30		1		1		9		4		0.3		16						
Higai	<i>Sarcocheilichthys variegatus</i>			2	0.0		0.0		0.1		0.1		0.0		0.0		0.0		4		0.0		0.0					
Ugui	<i>Tribolodon hakonensis</i>	6	0.1	32	0.1	17	0.0	13	0.1	18	0.1	11	0.0	17	0.1	34	0.1	20	0.0	58	0.1	12	0.0	23	0.1			
Akאו	<i>Zacco platypus</i>	66	0.6	12	0.0	16	0.0	30	0.1	56	0.2	396	1.0	306	1.0	47	0.2	29	0.1	4	0.0	4	0.0	44	0.1			
Oikawa	<i>Haya</i>																											
Haya	<i>Funa</i>	3107	26.2	6855	24.2	12016	31.0	5250	14.9	9388	32.8	11270	27.3	3980	12.9	2640	8.5	1657	3.1	1364	2.7	1644	3.2	2316	5.0			
Funa	<i>Carassius carassius</i>			209	0.7	329	0.8	710	3.3	1688	5.9	1128	2.7	713	2.3	1482	4.8	1256	2.4	1166	2.3	2111	4.1	1036	2.2			
Koi	<i>Cyprinus carpio</i>	142	1.2					1	0.0		0.0	2	0.0	2	0.0			9	0.0	1	0.0	36	0.1					
Sogyo	<i>Ctenopharyngodon idellus</i>																	13	0.0	7	0.0	83	0.2	175	0.4			
Rengyo	<i>Hypophthalmichthys molitrix</i>					11	0.0	390	1.8	1079	3.8	422	1.0	521	1.7	507	1.6	1220	2.3	391	0.8	41	0.1	20	0.0			
Dojo	Cobitidae	1	0.0																									
Unagi	<i>Anguilla japonica</i>							1	0.0	14	0.0	30	0.1	119	0.4	97	0.3	45	0.1	14	0.0	5	0.0					
Haze	Gobiidae	21	0.2			182	0.4	923	4.2	213	0.7	67	0.2	6	0.0	77	0.2	262	0.5	84	0.2	13	0.0					
Total (Fish)		11682	98.4	27072	95.8	36869	95.1	14252	65.2	16679.4	58.3	32814	79.4	20629	66.8	22420	72.1	36747	69.7	42928.3	83.5	46776	91.7	46206	98.8			
Tanishi	Viviparidae			278	1.0	518	1.3	6791	31.1	11503	40.2	7870	19.0	6278	20.3	7035	22.6	15119	28.7	7871	15.3	3989	7.8	510	1.1			
Shijimi	Corbiculidae	194	1.6	911	3.2	1311	3.4	610	2.8	127	0.4	451	1.1	3411	11.0	1499	4.8	645	1.2	207	0.4	10	0.0	24	0.1			
Karasugai	Unionidae					52	0.1	191	0.9	296	1.0	200	0.5	551	1.8	153	0.5	238	0.5	433	0.8	216	0.4	30	0.1			
Total (Molluscs)		194	1.6	1189	4.2	1881	4.9	7592	34.8	11926	41.7	8521	20.6	10240	33.2	8687	27.9	16002	30.3	8511	16.5	4215	8.3	564	1.2			
Ebi	Shrimps	2	0.0	3	0.0	2	0.0	0.1	0.0	2	0.0	8	0.0	4	0.0	2	0.0	0.4	0.0									
Total sum		11878	100	28264	100	38752	100	21844.1	100	28607.4	100	41343	100	30873	100	31109	100	52749.1	100	51439.3	100	50991	100	46770	100			

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Table 1-30. Monthly changes in landing amounts of fishes in 1969.

Species	1968 (S.43)	Month		1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>	8	0.1	0.4	0.0	1	0.0	6	0.0	14	0.0	32	0.1	3	0.0					0.2	0.0	7	0.0	10	0.1	7	0.0
Ayu	<i>Plecoglossus altivelis</i>													1	0.0	73	0.2	32	0.1								
Wakasagi	<i>Hypomesus olidus</i>	722	13.3	556	18.6	20059	47.9	16494	39.2	1193	3.3	5270	14.8	4963	20.6	19375	66.9	17888	73.8	18401	78.6	9337	70.5	14532	72.9		
Namazu	<i>Parasilurus asotus</i>	53	1.0	18	0.6	96	0.2	209	0.5	1147	3.1	1204	3.4	884	3.7	452	1.6	239	1.0	169	0.7	110	0.8	32	0.2		
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>									5	0.0	9	0.0	15	0.1	2	0.0	0.2	0.0								
Moroko	<i>Gnathopodon e.</i>	376		152		459		1700		2141		1380		805		508		426		702		846		248			
Motsugo	<i>Pseudorasbora p.</i>																										
Kamatsuka	<i>Pseudogobio esocinus</i>													22	0.1	31	0.1										
Higai	<i>Sarcocheilichthys variegatus</i>	36	0.7	80	2.7	29	0.1	57	0.1	45	0.1	31	0.1	35	0.1	2	0.0	37	0.2	53	0.2	32	0.2	1	0.0		
Ugui	<i>Tribolodon hakonenis</i>	11	0.2	45	1.5	100	0.2	21	0.0	24	0.1	2	0.0	4	0.0	11	0.0	19	0.1	41	0.2	17	0.1	9	0.0		
Oikawa	<i>Zacco platypus</i>	133	2.4	125	4.2	158	0.4	61	0.1	216	0.6	667	1.9	536	2.2	119	0.4	10	0.0	9	0.0	11	0.1	34	0.2		
Haya	<i>Carassius carassius</i>	2565	47.0	790	26.4	19010	45.7	7863	18.7	21991	59.9	19329	54.3	11500	47.6	4683	16.2	1885	7.8	1826	7.8	1871	14.1	4456	22.4		
Funa	<i>Cyprinus carpio</i>																										
Koi	<i>Cyprinus carpio</i>	100	1.8	19	0.6	1048	2.5	904	2.2	1323	3.6	1401	3.9	931	3.9	1299	4.5	1773	7.3	1273	5.4	690	5.2	275	1.4		
Sogyo	<i>Ctenopharyngodon idellus</i>																										
Dojo	Cobitidae			5	0.2			703	1.7	931	2.5	250	0.7	260	1.1	502	1.7	625	2.6	197	0.8	4	0.0	1	0.0		
Unagi	<i>Anguilla japonica</i>	3	0.1	3	0.1	1	0.0	2	0.0	24	0.1	80	0.2	223	0.9	149	5.1	32	0.1	4	0.0	0.4	0.0				
Haze	Gobiidae			10	0.3	73	0.2	794	1.9	30	0.1	11	0.0	19	0.1	590	2.0	107	0.4	46	0.2	129	1.0	40	0.2		
Total	(Fish)	4007	73.5	1805.4	60.3	41034	98.1	28814	68.5	29084	79.2	29688	83.4	20210	83.7	27765	95.9	23073.4	95.2	22728	97.1	13057.4	98.6	19640	98.6		
Tanishi	Viviparidae	882	16.2	424	14.2	690	1.6	12670	30.1	5395	14.6	2576	7.2	837	3.5	380	1.3	608	2.5	224	1.0	35	0.3	281	1.4		
Shijimi	Corbiculidae	21	0.4	41	1.4	12	0.0	33	0.1	1869	5.1	3015	8.5	2708	11.3	584	2.0	363	1.5	358	1.5	144	1.1	281	1.4		
Karasugai	Unionidae	445	8.2	621	20.8	69	0.2	502	1.2	325	0.9	315	0.9	378	1.6	216	0.7	194	0.8	89	0.4						
Total	(Molluscs)	1348	24.7	1086	36.3	711	1.8	13205	31.4	7589	20.7	5906	16.6	3923	16.3	1180	4.1	1165	4.8	671	2.9	179	1.4	281	1.4		
Ebi	Shrimps	100	1.8	100	3.4	31	0.1	26	0.1	30	0.1	13	0.0	10	0.0	17	0.0	1	0.0					2	0.0		
Total sum		5455	100	2989.4	100	41836	100	42045	100	36703	100	35607	100	24143	100	28962	100	24239.4	100	23399	100	13236.4	100	19923	100		

Table 1-31. Monthly changes in landing amounts of fishes in 1970.

Species	1970 (S.45)	Month		1		2		3		4		5		6		7		8		9		10		11		12		
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	1	0.0			11	0.0			9	0.0			46	0.1	2	0.0			85	0.2	6	0.1	13	0.0	4	0.0	
Ayu	<i>Plecoglossus altivelis</i>														9	0.0	3	0.0				6	0.1	0.2	0.0			
Wakasagi	<i>Hypomesus olidus</i>	7814	64.4	35916	87.6	50890	86.2	39158	72.0	4837	10.1	8938	21.2	7318	30.5	26756	64.9	29351	65.2	32894	70.7	36099	69.0	51226	77.7			
Namazu	<i>Parasilurus asotus</i>	76	0.6	8	0.0	16	0.0	71	0.1	709	1.5	1029	2.4	627	2.6	254	0.6	193	0.4	123	0.3	131	0.3	105	0.2			
Moroko	(<i>Gnathopodon e.</i>)	584	4.8	167	0.4	205	0.3	1307	2.4	1701	3.6	1143	2.7	779	3.2	446	1.1	1066	2.4	682	1.5	860	1.6	60	0.1			
Motsugo	<i>Pseudorasbora p.</i>	1	0.0							79	0.2	3	0.0	2	0.0			3	0.0									
Kamatsuka	<i>Pseudogobio esocinus</i>	45	0.4	11	0.0			183	0.3	50	0.1	40	0.1	1	0.0	7	0.0			1	0.0	33	0.1		0.6			
Higai	<i>Sarcocheilichthys variegatus</i>	30	0.2	47	0.1	41	0.1	32	0.1	54	0.1	14	0.0	8	0.0	1	0.0	23	0.1	45	0.1	55	0.1	8	0.0			
Ugui	<i>Tribolodon hakonensis</i>	123	1.0	53	0.1	13	0.0	26	0.1	64	0.1	85	0.2	96	0.4	63	0.2	7	0.0	6	0.0	23	0.0	19	0.0			
Oikawa	<i>Zacco platypus</i>	381	3.2	2106	5.1	7010	11.9	5192	9.6	16500	34.7	16176	38.3	4431	18.5	3435	8.3	2646	5.9	2259	4.9	3534	6.8	11646	17.7			
Haya	<i>Carassius carassius</i>	202	1.7	210	0.5	753	1.3	1578	2.9	1737	3.7	924	2.2	793	3.3	1086	2.6	2105	4.7	1406	3.0	1303	2.5	635	1.0			
Funa	<i>Cyprinus carpio</i>					20	0.0	6	0.0	3	0.0	2	0.0	11	0.1	22	0.1	21	0.0	23	0.0	6	0.0					
Sogyo	<i>Ctenopharyngodon idellus</i>					24	0.0	2	0.0							7	0.0	21	0.0	71	0.2	276	0.5	743	1.1			
Rengyo	<i>Hypophthalmichthys molitrix</i>	21	0.2	28	0.1	7	0.0	215	0.4	1566	3.3	678	1.6	569	2.4	570	1.4	1454	3.2	289	0.6	85	0.2	24	0.0			
Dojo	Cobitidae	1	0.0	0.3	0.0	2	0.0	5	0.0	14	0.0	47	0.1	44	0.2	51	0.1	55	0.1	20	0.0	6	0.0					
Unagi	<i>Anguilla japonica</i>	3	0.0	5	0.0	15	0.0	580	1.1	1033	2.1	245	0.6	29	0.1	122	0.3	498	1.1	82	0.2	269	0.5	19	0.0			
Haze	Gobiidae																											
Total	(Fish)	9282	76.5	38551.3	94.0	59007	99.9	48364	89.0	28347	59.6	29370	69.6	14719	61.3	32823	79.6	37528	83.4	37915	81.5	42693.2	81.6	64489.6	97.8			
Tanishi	Viviparidae	2510	20.7	251	0.6	35	0.1	5081	9.3	18557	39.1	11350	26.9	5481	22.8	6670	16.1	6895	15.3	7950	16.3	9200	17.6	1349	2.0			
Shijimi	Corbiculidae	89	0.7			2	0.0	10	0.0			605	1.4	3563	14.8	1531	3.7	450	1.0	372	0.8	217	0.4	23	0.0			
Karasugai	Unionidae	259	2.1	2210	5.4	9	0.0	909	1.7	625	1.3	868	2.1	255	1.1	190	0.5	147	0.3	257	0.6	185	0.4	49	0.1			
Total	(Molluscs)	2858	23.5	2461	6.0	46	0.1	6000	11.3	19182	40.4	12823	30.4	9299	38.7	8391	20.4	7492	16.6	8579	18.5	9602	18.4	1421	2.2			
Ebi	Shrimps	1	0.0	1	0.0																							
Total sum		12141	100	41015.3	100	59053	100	54364	100	47529	100	42193	100	24018	100	41214	100	45020	100	46494	100	52295.2	100	65910.6	100			

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Table 1-32. Monthly changes in landing amounts of fishes in 1971.

Species	1971 (S.46) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>	6	0.0	6	0.0	2	0.0	2	0.0	49	0.1	39	0.1	2	0.0	1	0.0	0.4	0.0			0.2	0.0	73	0.2
Ayu	<i>Plecoglossus altivelis</i>												5	0.0	283	0.8	18	0.1							
Wakasagi	<i>Hypomesus olidus</i>	12636	72.7	21727	73.7	30106	73.1	15655	39.5	2364	3.9	11869	29.0	7856	30.1	19816	66.8	26033	74.8	26678	78.9	25376	62.3	17814	53.1
Namazuo	<i>Parasilurus asotus</i>	84	0.5	31	0.1	37	0.1	103	0.3	434	0.7	1108	2.7	575	2.2	368	1.2	210	0.6	71	0.2	121	0.3	82	0.2
Tanago	<i>Pseudoperilampus t. Rhodeus o.</i>								5	0.0															
Moroko	<i>Gnathopogon e.</i>	137	0.8	51	0.2	583	1.4	1210	3.1	1313	2.1	1919	4.7	3147	12.0	1124	3.8	1020	2.9	1580	4.7	1081	2.7	185	0.6
Motsugo	<i>Pseudorasbora p.</i>								7	0.0			3	0.0			3	0.0	1	0.0					
Kamatsuka	<i>Pseudogobio esocinus</i>			3	0.0			88	0.2	309	0.5	17	0.0	67	0.2	23	0.1	15	0.0	84	0.2	44	0.1		
Higai	<i>Sarcocheilichthys variegatus</i>	6	0.0	52	0.2	11	0.0	12	0.0	28	0.0	9	0.0			1	0.0	3	0.0	16	0.1	4	0.0	2	0.0
Ugao	<i>Tribolodon hakonensis</i>	30	0.2	116	0.4	2	0.0	7	0.0	31	0.1	99	0.2	282	1.1	94	0.3	2	0.0	1	0.0	2	0.0	1	0.0
Oikawa	<i>Zacco platypus</i>																								
Haya	<i>Carassius carassius</i>	3814	21.9	6833	23.2	8318	20.2	8435	21.3	28353	46.2	19070	46.6	7530	28.8	2666	9.0	2493	7.2	2335	6.9	4443	10.9	13452	40.1
Funa	<i>Cyprinus carpio</i>	421	2.4	268	0.9	645	1.6	657	1.7	1176	1.9	1252	3.1	1975	7.6	3447	11.6	2686	7.7	1309	3.9	4659	11.4	1518	4.5
Koi	<i>Ctenopharyngodon idellus</i>	7	0.0	11	0.0	3	0.0	3	0.0			9	0.0											4	0.0
Sogyo	<i>Hypophthalmichthys molitrix</i>	71	0.4	53	0.2	105	0.3	2	0.0	2	0.0	0.6	0.0	2	0.0	11	0.0			3	0.0			23	0.0
Rengyo	<i>Cobitidae</i>	5	0.0	13	0.0	161	0.4	944	2.4	1602	2.6	352	0.9	561	2.1	291	1.0	1228	3.7	163	0.5	24	0.1	3	0.0
Dojo	<i>Anguilla japonica</i>						0.2		10		31		105		66		27		0.4					1	
Unagi	<i>Gobiidae</i>	2	0.0	16	0.1	119	0.3	424	1.1	379	0.6	177	0.4	98	0.4	819	2.8	48	0.1	115	0.3	147	0.4	6	0.0
Haze																									
Total (Fish)		17219	99.0	29180	99.0	40092	97.3	27542.2	69.5	36062	58.8	35951.6	87.9	22203	84.9	28732	96.8	34051.4	97.9	32374.4	95.7	35901.2	88.2	33164	98.8
Tanishi	Viviparidae			80	0.3	859	2.1	10326	26.1	21511	35.1	4552	11.1	1569	6.0	75	0.3	412	1.2	1279	3.8	4508	11.1	365	1.1
Shijimi	Corbiculidae	158	0.9	199	0.6	128	0.3	83	0.2	65	0.1			2099	8.0	725	2.4	288	0.8	128	0.4	86	0.2	22	0.1
Karasugai	Unionidae	11	0.1	9	0.0	108	0.3	1659	4.2	3720	6.1	396	1.0	127	0.5	21	0.1	23	0.0			234	0.6		
Total (Molluscs)		169	1.0	288	1.0	1095	2.7	12068	30.5	25296	41.2	4948	12.1	3795	14.5	821	2.8	723	2.1	1407	4.2	4828	11.8	387	1.2
Ebi	Shrimps	4	0.0						0.4	1	0.0	1	0.0	145	0.6	124	0.4	9	0.0	48	0.1	14	0.0	2	0.0
Total sum		17392	100	29468	100	41187	100	39610.2	100	61558.4	100	40899	100	26143	100	29677	100	34783.4	100	33829.4	100	40743.2	100	33553	100

Table 1-33. Monthly changes in landing amounts of fishes in 1972.

Species	1972 (S.47) Month		1		2		3		4		5		6		7		8		9		10		11		12		
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	2		1		1		14		22		201		9		1		2		0.2		9					
Ayu	<i>Plecoglossus altivelis</i>		0.0		0.0		0.0		0.0		0.1		0.8		0.1		12		189		2		3		0.0		0.0
Wakasagi	<i>Hypomesus olidus</i>	14578		9753		9409		6523		2936		3579		3072		28891		38313		47255		36638		39851		80.8	
Namazu	<i>Parasilurus asotus</i>	67		30		100		219		820		1003		533		317		160		111		124		137		0.3	
Moroko	<i>Gnathopodon e.</i>	33		103		1292		2372		1579		1318		1149		620		985		988		779		250			
Notsugo	<i>Pseudorasbora p.</i>		0.1		0.4		4.3		6.4		4.9		5.0		6.5		1.8		2.0		1.9		1.8		0.5		
Kamatsuka	<i>Pseudogobio esocinus</i>						1		0.0		5		0.0		3		0.0		9		0.0						
Higai	<i>Sarcocheilichthys variegatus</i>					1		171		145		3		85		8		4		6		1					
Ugui	<i>Tribolodon hakonensis</i>	4		1		6		14		68		116		3		2		6		7		9		1		0.0	
Akai	<i>Zacco</i>	19		5		5		17		13		155		74		36		3		0.4		2					
Haya	<i>platypus</i>		0.1		0.0		0.0		0.0		0.0		0.6		0.4		0.1		0.0		0.0		0.0				
Funa	<i>Carassius carassius</i>	10122		13769		12556		11894		19523		14866		7970		1671		2091		1970		3189		8301		16.8	
Koi	<i>Cyprinus carpio</i>	864		724		2070		2183		1738		988		909		1639		4963		1759		833		563		1.1	
Sogyo	<i>Ctenopharyngodon idellus</i>		3.4		3.0		6.8		5.9		5.4		3.8		5.1		4.8		10.3		3.3		1.9				
Rengyo	<i>Hypophthalmichthys molitrix</i>	5		8		0.1				2						2											
Dojo	Cobitidae					142		655		1341		486		673		272		1202		220		38		4			
Unagi	<i>Anguilla japonica</i>					0.5		1		6		32		36		37		13		1		0.4		0.1		0.0	
Haze	Gobiidae	19				44		202		127		32		72		223		93		64		72		2			
			0.1		0.1		0.5		0.4		0.4		0.1		0.4		0.6		0.2		0.1		0.2		0.0		
Total	(Fish)	25713		24394		25654.3		24266		28325		22780		14588		33740		48024		52383.6		41697		49112			
			100		99.8		84.5		65.6		88.7		87.0		82.0		98.0		99.4		99.3		96.7		99.6		
Tanishi	Viviparidae					3839		11368		3270		1866		788		46		121		213		1236		145		0.3	
Shijimi	Corbiculidae			26		4		35				1376		2138		529		133		54		53		5		0.0	
Karasugai	Unionidae			11		878		1299		295		52		1				0.3				78		25		0.1	
					0.1		2.9		3.5		0.9		0.2		0.0							0.2		0.1			
Total	(Molluscs)			37		4721		12702		3565		3294		2927		575		254		267		1367		175		0.4	
					0.2		15.5		34.4		11.2		12.3		16.5		1.7		0.5		0.5		3.2		0.4		
Ebi	Shrimps									31		90		261		102		56		120		35		10			
										0.1		0.3		1.5		0.3		0.1		0.2		0.1		0.0			
Total sum		25713		24431		30375		26968		31921		26164		17776		34417		48334		52770.6		43099		49297			
			100		100		100		100		100		100		100		100		100		100		100		100		

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Table 1-35. Monthly changes in landing amounts of fishes in 1974.

Species	1974 (S.49) Month	1		2		3		4		5		6		7		8		9		10		11		12	
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%
Amenouo	<i>Oncorhynchus rhodurus</i>	3	0.1	1	0.0	0.3	0.0	8	0.0	19	0.1	14	0.1	1	0.0			1	0.0			2	0.0		
Ayu	<i>Plecoglossus altivelis</i>												78	0.3	9	0.0									
Wakasagi	<i>Hypomesus olidus</i>	1802	42.4	5158	89.9	42141	91.7	50691	86.7	3190	16.0	11600	56.6	8666	54.9	20197	72.8	35765	82.1	42606	81.1	35817	82.3	39301	90.9
Namazu	<i>Parasilurus asotus</i>	214	5.0	26	0.5	51	0.1	101	0.2	1611	8.1	1577	7.7	589	3.7	229	0.8	58	0.1	85	0.2	98	0.2	92	0.2
Moroko	<i>Gnathopodon e.</i>	210	4.9	53	1.0	298	0.6	1427	2.4	802	4.0	434	2.1	419	2.6	261	0.9	278	6.4	497	0.9	408	0.9	40	0.1
Motsugo	<i>Pseudorasbora p.</i>									20	0.1	9	0.0												
Kamatsuka	<i>Pseudogobio esocinus</i>							52	0.1	19	0.1	48	0.2	4	0.0	2	0.0	5	0.0						
Higai	<i>Sarcocheilichthys variegatus</i>					7	0.0	12	0.0	59	0.4	8	0.0	3	0.0	12	0.0	16	0.0	10	0.0	6	0.0	9	0.0
Ugui	<i>Tribolodon hakonensis</i>	16	0.4	10	0.2	5	0.0	4	0.0	4	0.0	4	0.0	3	0.0	24	0.1	33	0.1	13	0.0	3	0.0	2	0.0
Akaiuo	<i>Zacco platypus</i>	2	0.0	26	0.5	5	0.0																		
Oikawa	<i>Carassius carassius</i>	992	23.3	300	5.2	3002	6.5	4615	7.9	10860	54.8	2964	14.5	1667	10.6	581	2.1	441	1.0	417	0.8	734	1.7	1193	2.8
Haya	<i>Cyprinus carpio</i>	155	3.7	114	2.0			991	1.7	1967	9.9	685	3.3	876	5.5	2873	10.4	3010	6.9	2175	4.1	3539	8.1	1649	3.8
Funa	<i>Hypophthalmichthys molitrix</i>	5	0.1			1	0.0	6	0.0							5	0.0	8	0.0	3	0.0	31	0.1	49	0.1
Koi	Cobitidae	33	0.8	18	0.3	40	0.1	497	0.9	805	4.1	329	1.6	376	2.4	223	0.8	949	2.2	214	0.4	53	0.1	71	0.2
Rengyo	<i>Anguilla japonica</i>			9	0.2	65	0.1	75	0.1	285	1.4	232	1.1	112	0.7	454	1.6	118	0.3	153	0.3	101	0.2	8	0.0
Dojo	Gobiidae																								
Unagi																									
Haze																									
Total	(Fish)	3430	80.8	5715	99.6	45940.3	99.9	58475	100	19645	99.1	17928	87.4	12750	80.7	24954	90.0	40692	93.4	46173	88.0	40792	93.7	42414	98.1
Tanishi	Viviparidae	691	16.3							42	0.2	31	0.2	675	4.3	1270	4.6	2471	5.7	6126	11.7	2546	5.8	800	1.9
Shijimi	Corbiculidae											1712	8.3	1301	8.2	553	2.0	95	0.2	17	0.0	3	0.0	2	0.0
Karasugai	Unionidae	66	1.5	10	0.2			2	0.0							30	0.1	129	0.3	53	0.1	137	0.3		
Total	(Molluscs)	757	17.8	10	0.2			2	0.0	42	0.2	1743	8.5	1976	12.5	1853	6.7	2695	6.2	6196	11.8	2686	6.2	802	1.9
Ebi	Shrimps	59	1.4	12	0.2	4	0.0	7	0.0	117	0.7	838	4.1	1066	6.8	927	3.3	172	0.4	129	0.2	66	0.1	10	0.0
Total sum		4246	100	5737	100	45944.3	100	58486	100	19804	100	20509	100	15792	100	27734	100	43559	100	52498	100	43544	100	43226	100

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Table 1-37. Monthly changes in landing amounts of fishes in 1976.

Species	1976 (S. 5) Month		1		2		3		4		5		6		7		8		9		10		11		12			
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%		
Amenouo	<i>Oncorhynchus rhodurus</i>	4	0.0			5	0.0	13	0.0	30	0.1	10	0.1	4	0.0			2	0.0	4	0.0	3	0.0	1	0.0			
Ayu	<i>Plecoglossus altivelis</i>														29		82	0.2										
Wakasagi	<i>Hypomesus olidus</i>	4428	33.9	9372	46.4	24099	70.4	18571	45.0	2669	7.8	4852	30.2	3688	30.1	21524	73.4	34007	85.3	32943	81.2	25814	74.7	32075	86.6			
Namazu	<i>Parasilurus asotus</i>	85	0.7	79	0.4	99	0.3	159	0.4	922	2.7	1782	11.1	544	4.4	166	0.6	104	0.3	49	0.1	138	0.4	256	0.7			
Moroko	<i>Gnathopogon e.</i>			43		57				698		464		401		205		150		290		151		1				
Motsugo	<i>Pseudorasbora p.</i>				0.2	0.2				2.0		2.9		3.2		0.7		0.4		0.7		0.4		0.0				
Kamatsuka	<i>Pseudogobio esocinus</i>									4		0.0																
Higai	<i>Sarcocheilichthys variegatus</i>			15	0.1			15	0.0	12	0.0	29	0.2	118	1.0	64	0.2	11	0.0	19	0.0	1	0.0					
Ugui	<i>Tribolodon hakonenstis</i>	82	0.6	54	0.5		0.0	44	0.1	140	0.4	58	0.4	24	0.2	40	0.1	30	0.1	77	0.2	52	0.2	40	0.1			
Akאו	<i>Zacco</i>	6	0.0	4	0.0			8	0.0	1	0.0	6	0.0	34	0.3	34	0.1			31	0.1	9	0.0					
Oikawa	<i>platypus</i>																											
Haya	<i>Carassius carassius</i>	4165	31.9	2003	9.9	1916	5.6	5793	14.1	14912	43.6	2870	17.8	1378	11.3	674	2.3	910	2.3	452	1.1	1186	3.4	2348	6.3			
Funa	<i>Cyprinus carpio</i>	1190	9.1	7735	38.3	7669	22.4	6716	16.3	4965	14.5	876	5.4	1780	14.5	2258	7.7	2588	6.5	2450	6.0	910	2.6	1338	3.6			
Rengyo	<i>Hypophthalmichthys molitrix</i>			4	0.0									5	0.0													
Dojo	Cobitidae	10	0.0	1	0.0	33	0.1	719	1.7	1056	3.1	312	1.9	59	0.5	90	0.3	545	1.4	119	0.2	24	0.1	5	0.0			
Unagi	<i>Anguilla japonica</i>				0.1					1		7		12		5		1										
Haze	Gobiidae	2	0.0	3	0.0	66	0.2	105	0.3	136	0.4	116	0.7	58	0.5	25	0.1	33	0.1	33	0.1	36	0.1					
Total (Fish)		9972	76.4	19313	95.6	53956.1	99.2	52143	78.0	25546	74.7	11382	70.7	8105	66.2	25114	85.6	38463	96.5	36467	89.8	28324	82.0	36064	97.4			
Tanishi	Viviparidae	3043	23.3	820	4.1	247	0.7	8221	19.9	7109	20.8	2541	15.8	1990	16.3	3108	10.6	1144	2.9	3879	9.6	6036	17.5	839	2.3			
Shijimi	Corbiculidae					12	0.0	4	0.0	895	0.9	1993	12.4	1678	13.7	684	2.3	57	0.1	146	0.4	96	0.3	95	0.3			
Karasugai	Unionidae	26	0.2	69	0.3	25	0.1	820	2.0	445	1.3			93	0.8	177	0.6	124	0.3	14	0.0	78	0.2	45	0.1			
Total (Molluscs)		3096	23.5	889	4.4	284	0.8	9045	21.9	8449	24.7	4534	28.2	3761	30.7	3969	13.5	1525	3.3	4059	10.0	6210	18.0	979	2.6			
Ebi	Shrimps	16	0.1	7	0.0	2	0.0	43	0.1	172	0.5	173	1.1	380	3.1	239	0.8	58	0.1	52	0.1	15	0.0	1	0.0			
Total sum		13057	100	20209	100	54242.1	100	41231	100	34167	100	16089	100	12246	100	29322	100	39846	100	40558	100	34549	100	37044	100			

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Table 1-38. Monthly changes in landing amounts of fishes in 1977.

Species	1977 (S.52) Month		1		2		3		4		5		6		7		8		9		10		11		12		
	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	3	0.0	1	0.0	3	0.0	5	0.0	6	0.0	11	0.0	8	0.0							3	0.0				
Ayu	<i>Plecoglossus altivelis</i>																57	0.3	165	0.7							
Wakasagi	<i>Hypomesus olidus</i>	1540	47.9	2466	75.6	39471	90.8	23289	59.3	9121	37.5	17561	54.8	15120	73.8	11822	66.4	16301	68.8	19670	66.8	24910	79.7	19332	75.2		
Namazu	<i>Parasilurus asotus</i>	371	11.5	26	0.8	45	0.1	178	0.5	923	3.8	2206	6.9	222	1.1	68	0.4	60	0.3	82	0.3	79	0.3	116	0.5		
Moroko	<i>Gnathopogon e.</i>	16	0.5	2	0.0	33	0.1	1393	3.4	230	0.9	230	0.7	219	1.1	69	0.4	149	0.6	323	1.1	108	0.3	12	0.1		
Motsugo	<i>Pseudorasbora p.</i>																										
Higai	<i>Sarcocheilichthys variegatus</i>	11	0.3			1	0.0	47	0.1	77	0.3	111	0.3	86	0.4	67	0.4	106	0.4	153	0.5	5	0.0	1	0.0		
Ugui	<i>Tribolodon hakonensis</i>	82	2.5	13	0.4	7	0.0	121	0.3	200	0.8	96	0.3	65	0.3	29	0.2	10	0.0	19	0.1	5	0.0	23	0.1		
Akaiwa	<i>Zacco platypus</i>	21	0.7	6	0.2	0.4	0.0	6	0.0	12	0.1	141	0.4	106	0.5	2	0.0	14	0.1	1	0.0			29	0.1		
Dikawa	<i>Carassius carassius</i>	354	11.0	74	2.3	2357	5.4	4852	12.3	4176	17.1	2513	7.8	1235	6.0	592	3.3	1111	4.7	820	2.8	794	2.5	2147	8.4		
Haya	<i>Cyprinus carpio</i>	391	12.2	109	3.3	1070	2.5	2689	6.8	2846	11.7	846	2.6	1033	5.0	2567	14.4	2993	12.6	2206	7.5	717	2.3	997	3.9		
Rengyo	<i>Hypophthalmichthys molitrix</i>					5	0.0	12	0.0																		
Dojo	Cobitidae					19	0.0	506	1.3	605	2.5	409	1.3	247	1.2	181	1.0	591	2.5	161	0.5	43	0.1	10	0.0		
Unagi	<i>Anguilla japonica</i>									2	0.0	3	0.0	3	0.0	2	0.0	1	0.0								
Haze	Gobiidae			4	0.0	220	0.5	230	0.6	137	0.6	139	0.4	7	0.0	191	1.1	70	0.3	161	0.5	113	0.4	9	0.0		
Total (Fish)		2789	86.7	2701	82.8	43231.4	99.6	33328	84.8	18335	75.3	24266	75.7	18351	89.5	15647	87.9	21571	91.0	23599	80.2	26774	85.7	22676	88.2		
Tanishi	Viviparidae	420	13.0	29	0.9	16	0.0	5874	14.9	4834	19.8	5181	16.2	1201	5.9	1519	8.5	1848	7.8	5681	19.3	4343	13.9	2932	11.4		
Shijimi	Corbiculidae			103	3.2	41	0.1			1047	4.3	2532	7.9	741	3.6	337	1.9	122	0.5	5	0.0	2	0.0	2	0.0		
Karasugai	Unionidae			426	13.1	109	0.3	104	0.3	126	0.5	22	0.1	29	0.1	220	1.2	106	0.4	11	0.0	74	0.2	85	0.3		
Total (Molluscs)		420	13.0	558	17.1	166	0.4	5978	15.2	6007	24.6	7735	24.1	1971	9.6	2076	11.7	2076	8.8	5697	19.4	4419	14.1	3019	11.8		
Ebi	Shrimps	8	0.3	2	0.1					13	0.1	56	0.2	179	0.9	72	0.4	51	0.2	143	0.4	48	0.2	2	0.0		
Total sum		3217	100	3261	100	43597.4	100	39306	100	24355	100	32057	100	20501	100	17795	100	23698	100	29439	100	31241	100	25697	100		

Table 1-39. Monthly changes in landing amounts of fishes in 1978.

Species	1978 (S. 53) Month	1		2		3		4		5		6		7		8		9		10		11		12		
		Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	Kg	%	
Amenouo	<i>Oncorhynchus rhodurus</i>	1		2		1		4		8		46		3		0.1						8		1		0.0
Ayu	<i>Plecoglossus altivelis</i>		0.0		0.0		0.0		0.0		0.0		0.2		0.0		0.0		214						0.0	
Wakasagi	<i>Hypomesus olidus</i>	6911	72.8	3741	86.0	22138	75.2	2838	14.7	3012	14.3	3900	20.5	2239	16.7	10359	48.6	29646	0.5	28992	75.8	36812	70.8	27709	80.9	
Namaz	<i>Parasilurus asotus</i>	59	0.6	6	0.0	107	0.4	168	0.9	1042	5.0	1979	10.4	307	2.3	63	0.3	88	0.2	66	0.2	122	0.2	143	0.4	
Moroko	<i>Gnathopogon e. pseudorasbora p.</i>	20	0.2	2	0.0	40	0.1	405	2.1	134	0.6	149	0.8	249	1.9	492	2.3	681	1.7	703	1.7	330	0.7	28	0.0	
Motsugo																										
Higai	<i>Sarcocheilichthys variegatus</i>							375	1.9	424	2.0	102	0.5	132	1.0	72	0.3	14	0.0	75	0.2	4	0.0			
Ugui	<i>Tribolodon hakonensis</i>	16	0.2	40	0.9	45	0.2	47	0.2	274	1.3	151	0.8	175	1.3	109	0.5	6	0.0	12	0.0			2	0.0	
Akאו	<i>Zacco platypus</i>	8	0.1	2	0.0			12	0.1	11	0.0	111	0.6	90	0.7	32	0.1	22	0.1	22	0.0	20	0.0	1	0.0	
Oikawa																										
Haya																										
Funa	<i>Carassius carassius</i>	1905	20.1	263	6.0	2770	9.4	4303	22.3	6461	30.7	3809	20.1	1267	9.4	699	3.3	804	2.1	1595	3.9	22	0.0	4578	12.1	
Koi	<i>Cyprinus carpio</i>	569	6.0	276	6.3	1566	5.3	2370	12.3	3026	14.4	2143	11.3	3712	27.6	6813	31.9	6048	15.5	4477	10.9	2127	4.7	1833	4.9	
Dojo	Cobitidae					42	0.1	353	1.8	718	3.4	801	4.2	251	1.9	69	0.3	518	1.3	69	0.2	63	0.1	4	0.0	
Unagi	<i>Anguilla japonica</i>											17	0.1	8	0.1	2	0.0	3	0.0	2	0.0	1	0.0			
HaZe	Gobiidae	1	0.0	1	0.0	51	0.2	173	0.9	292	1.4	135	0.7	9	0.1	923	4.3	818	2.1	1252	3.1	354	0.8	31	0.1	
Total	(Fish)	9490	100.0	4333	99.6	26760	90.9	11048	57.3	15402	75.2	13343	70.4	8439	62.8	19633.1	92.0	38862	99.4	37265	91.0	39863	87.6	34330	91.0	
Tanishi	Viviparidae					2565	8.7	5278	27.4	4706	22.4	3081	16.2	984	7.3	34	0.2	40	0.1	3185	7.8	4047	8.9	2951	7.8	
Shijimi	Corbiculidae			8	0.2			256	1.2			1894	10.0	2591	19.3	1299	6.1	8	0.0	17	0.0	60	0.1	1	0.0	
Karasugai	Unionidae					118	0.4	2720	1.4	788	3.7	271	1.4	26	0.2	87	0.4	5	0.0	220	0.5	1267	2.8	322	0.9	
Total	(Molluscs)			8	0.2	2683	9.1	8234	42.6	5494	26.1	5246	27.6	3601	26.8	1420	6.6	53	0.1	3422	8.4	5374	11.8	3274	8.7	
Ebi	Shrimps			8	0.2			7	0.0	139	0.7	364	2.0	1390	10.3	272	1.3	199	0.5	258	0.6	257	0.6	102	0.3	
Total sum		9490	100	4349	100	29443	100	19289	100	21035	100	18953	100	13430	100	21325.1	100	39114	100	40945	100	45494	100	37705	100	

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