

## 12 Changes in the Distribution of Sablefish QS by Census Area

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The tables in this section use 1990 Alaska census areas to classify sablefish QS holders into resident categories. Persons who hold QS were assigned to a census area based upon addresses they provided NMFS-RAM. Persons who reside outside of Alaska were put in a single nonresident category. The tables provide data on the initial distribution and the 1998 year-end distribution of sablefish QS holdings.

Table 12-1a presents a summary on the QS holdings of each resident category in each of the different sablefish IFQ management areas. The table provides the initial QS holdings, the 1998 year-end QS holdings, the change in QS holdings from initial issuance through 1998, and the percentage change in QS holdings. The table also shows the percentage of the total QS in the IFQ area that was initially issued to persons in each resident category as well as the year-end 1998 percentage of the total area QS held in each resident category.

Persons who reside outside of Alaska received the majority of the initial QS in all areas except Southeast, and continued to hold most of the QS at the end of 1998. They have increased their holdings in the Southeast, West Yakutat, and Western Gulf areas.

Census areas that show relatively high percentages of QS held by Alaskans at the end of 1998 are: Sitka (Southeast and West Yakutat, Aleutian Islands); Petersburg/Wrangell (Southeast, West Yakutat, Central Gulf); Kodiak (Central Gulf, West Yakutat, Bering Sea); and the Kenai Peninsula (Western Gulf, Bering Sea, Aleutian Islands).

Table 12-1b provides somewhat similar information on QS holders. The table shows, for each census area, the initial number of QS holders, the 1998 year-end number of QS holders, the change in the number of QS holders through 1998, and the percentage change in the number of QS holders for each IFQ management area and census area.

For each IFQ management area and resident category, Table 12-1b also shows the initial average sablefish QS holdings, the 1998 year-end average QS holdings, the change in average QS holdings from initial issuance to year-end 1998, and the percentage change in average QS holdings.

Table 12-1b again shows that the Sitka, Petersburg/Wrangell, Kodiak Borough, and Kenai Peninsula census areas had relatively high numbers of persons with sablefish QS. It also shows that average QS holdings in these census areas were relatively high in most IFQ management areas. The number of QS holders and average QS holdings are high in the “Outside Alaska” category as well.

The table indicates that the majority of sablefish QS holders in the Southeast, West Yakutat, and Central Gulf areas are Alaskans, while the majority of QS holders in the Western Gulf, Bering Sea, and Aleutian Islands are from outside Alaska.

Table 12-1b demonstrates that in most census areas there was some consolidation of sablefish QS holdings and a reduction in the number of QS holders. In the few cases where the number of QS holders increased, the increases were very small.

Some of the decline in numbers of QS holders in the Southeast, West Yakutat, Central Gulf, and Western Gulf may be related to persons selling their CDQ compensation QS.

The decline in the number of persons in a resident category usually lead to increases in the average QS holdings for that resident category. However, some resident categories showed decreases in average QS holdings for some IFQ areas even when the number of QS holders had declined.

**Table 12-1a. Initial Allocation and Year-end 1998 QS Holdings by Management Area and Census Area**

Area	Census Area	Initial Amount of QS	1998 Amount of QS	Initial Pct. of Area QS	1998 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Southeast	Aleutians East	54,783	313	0.1	0.0	-54,470	-99.4
	Aleutians West	844	22	0.0	0.0	-822	-97.4
	Anchorage Borough	1,281,393	469,329	1.9	0.7	-812,064	-63.4
	Fairbanks\N. Star	146,069	0	0.2	0.0	-146,069	-100.0
	Haines	685,601	605,119	1.0	0.9	-80,482	-11.7
	Juneau	4,529,676	6,134,505	6.8	9.3	1,604,829	35.4
	Kenai Peninsula	1,120,873	809,311	1.7	1.2	-311,562	-27.8
	Ketchikan	1,819,371	1,012,643	2.7	1.5	-806,728	-44.3
	Kodiak Borough	379,517	308,778	0.6	0.5	-70,739	-18.6
	MatSu Borough	54,997	193	0.1	0.0	-54,804	-99.6
	Prince of Wales	1,775,814	1,218,440	2.7	1.8	-557,374	-31.4
	Sitka	14,977,433	16,588,909	22.5	25.1	1,611,476	10.8
	Skgway\Yakt\Angoon	5,662,655	4,040,506	8.5	6.1	-1,622,149	-28.6
	Pburg\Wrangell	10,251,569	9,756,012	15.4	14.8	-495,557	-4.8
	Outside Alaska	23,734,199	25,023,768	35.7	37.9	1,289,569	5.4
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		66,474,794	65,967,848			-506,946	
W. Yakutat	Aleutians East	120,822	1,441	0.2	0.0	-119,381	-98.8
	Aleutians West	692	18	0.0	0.0	-674	-97.4
	Anchorage Borough	1,524,824	345,741	2.9	0.6	-1,179,083	-77.3
	Fairbanks\N. Star	354	0	0.0	0.0	-354	-100.0
	Haines	16,451	7,087	0.0	0.0	-9,364	-56.9
	Juneau	1,058,458	991,073	2.0	1.9	-67,385	-6.4
	Kenai Peninsula	2,104,973	2,334,009	3.9	4.4	229,036	10.9
	Ketchikan	761,558	580,635	1.4	1.1	-180,923	-23.8
	Kodiak Borough	3,198,743	2,762,747	6.0	5.2	-435,996	-13.6
	MatSu Borough	353,076	3,330	0.7	0.0	-349,746	-99.1
	Prince of Wales	77,665	3,335	0.1	0.0	-74,330	-95.7
	Sitka	3,335,668	4,515,251	6.2	8.5	1,179,583	35.4
	Skgway\Yakt\Angoon	680,543	515,575	1.3	1.0	-164,968	-24.2
	Valdez\Cordova	797,193	732,984	1.5	1.4	-64,209	-8.1
	Pburg\Wrangell	4,463,599	5,135,056	8.4	9.7	671,457	15.0
Outside Alaska	34,938,242	35,278,943	65.4	66.3	340,701	1.0	
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		53,432,861	53,207,225			-225,636	

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**Table 12-1a (con't). Initial Allocation and Year-end 1998 QS Holdings by Management Area and Census Area**

Area	Census Area	Initial Amount of QS	1998 Amount of QS	Initial Pct. of Area QS	1998 Pct. of Area QS	Change in Total QS	Percent Change in Total QS	
C. Gulf	Aleutians East	398,414	21	0.4	0.0	-398,393	-100.0	
	Aleutians West	1,382	36	0.0	0.0	-1,346	-97.4	
	Anchorage Borough	2,057,131	2,533,104	1.8	2.3	475,973	23.1	
	Dillingham	0	986,430	0.0	0.9	986,430	n.d.	
	Fairbanks\N. Star	1,369	0	0.0	0.0	-1,369	-100.0	
	Haines	21	0	0.0	0.0	-21	-100.0	
	Juneau	756,809	635,210	0.7	0.6	-121,599	-16.1	
	Kenai Peninsula	8,533,093	11,013,151	7.7	9.9	2,480,058	29.1	
	Ketchikan	1,521,621	1,233,778	1.4	1.1	-287,843	-18.9	
	Kodiak Borough	10,439,338	12,679,378	9.4	11.4	2,240,040	21.5	
	MatSu Borough	609,175	182,927	0.5	0.2	-426,248	-70.0	
	Prince of Wales	60,592	1,331	0.1	0.0	-59,261	-97.8	
	Sitka	6,971,832	6,684,481	6.3	6.0	-287,351	-4.1	
	Skgway\Yakt\Angoon	660,060	283,338	0.6	0.3	-376,722	-57.1	
	SE Fairbanks	0	21	0.0	0.0	21	n.d.	
	Valdez\Cordova	295,982	401,351	0.3	0.4	105,369	35.6	
	Pburg\Wrangell	11,115,658	13,246,983	10.0	11.9	2,131,325	19.2	
	Outside Alaska	68,055,072	61,150,883	61.0	55.1	-6,904,189	-10.1	
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			111,477,549	111,032,423			-445,126	
W. Gulf	Aleutians East	1,301,808	254,641	3.6	0.7	-1,047,167	-80.4	
	Aleutians West	20,788	688	0.1	0.0	-20,100	-96.7	
	Anchorage Borough	162,988	15,211	0.5	0.0	-147,777	-90.7	
	Dillingham	0	125,543	0.0	0.3	125,543	n.d.	
	Juneau	78,109	345,208	0.2	1.0	267,099	342.0	
	Kenai Peninsula	2,194,155	2,009,669	6.1	5.6	-184,486	-8.4	
	Ketchikan	178,524	96,887	0.5	0.3	-81,637	-45.7	
	Kodiak Borough	795,085	2,655,835	2.2	7.4	1,860,750	234.0	
	MatSu Borough	179,250	4,754	0.5	0.0	-174,496	-97.3	
	Sitka	2,177,935	1,677,288	6.0	4.7	-500,647	-23.0	
	Skgway\Yakt\Angoon	159,065	242,688	0.4	0.7	83,623	52.6	
	Valdez\Cordova	0	19,862	0.0	0.1	19,862	n.d.	
	Pburg\Wrangell	1,275,755	878,686	3.5	2.4	-397,069	-31.1	
	Outside Alaska	27,562,419	27,624,052	76.4	76.8	61,633	0.2	
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		36,085,881	35,951,012			-134,869		

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**Table 12-1a (con't). Initial Allocation and Year-end 1998 QS Holdings by Management Area and Census Area**

Area	Census Area	Initial Amount of QS	1998 Amount of QS	Initial Pct. of Area QS	1998 Pct. of Area QS	Change in Total QS	Percent Change in Total QS
Bering Sea	Aleutians East	50,716	43,328	0.3	0.2	-7,388	-14.6
	Aleutians West	897	540	0.0	0.0	-357	-39.8
	Anchorage Borough	204,549	174,785	1.1	0.9	-29,764	-14.6
	Dillingham	0	360,448	0.0	1.9	360,448	n.d.
	Juneau	210,263	616,910	1.1	3.3	406,647	193.4
	Kenai Peninsula	2,226,027	2,285,770	12.0	12.3	59,743	2.7
	Ketchikan	39,654	39,654	0.2	0.2	0	0.0
	Kodiak Borough	1,624,456	1,894,514	8.7	10.2	270,058	16.6
	MatSu Borough	54,330	151,269	0.3	0.8	96,939	178.4
	Sitka	901,910	739,766	4.8	4.0	-162,144	-18.0
	Skgway\Yakt\Angoon	163,530	160,722	0.9	0.9	-2,808	-1.7
	Pburg\Wrangell	1,613,894	1,254,192	8.7	6.7	-359,702	-22.3
	Outside Alaska	11,514,928	10,865,578	61.9	58.5	-649,350	-5.6
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		18,605,154	18,587,476			-17,678	
Aleutians	Aleutians East	0	428,834	0.0	1.4	428,834	.
	Aleutians West	16,206	289,045	0.1	0.9	272,839	1683.6
	Anchorage Borough	249,267	101,083	0.8	0.3	-148,184	-59.4
	Dillingham	0	679,248	0.0	2.2	679,248	n.d.
	Juneau	91,817	376,172	0.3	1.2	284,355	309.7
	Kenai Peninsula	3,742,955	4,566,181	11.9	14.5	823,226	22.0
	Ketchikan	119,314	119,314	0.4	0.4	0	0.0
	Kodiak Borough	475,455	435,162	1.5	1.4	-40,293	-8.5
	MatSu Borough	23,264	20,732	0.1	0.1	-2,532	-10.9
	Sitka	1,706,262	1,295,942	5.4	4.1	-410,320	-24.0
	Skgway\Yakt\Angoon	109,993	108,342	0.3	0.3	-1,651	-1.5
	Wade Hampton	0	141,187	0.0	0.4	141,187	n.d.
	Pburg\Wrangell	578,092	454,003	1.8	1.4	-124,089	-21.5
	Outside Alaska	24,405,551	22,502,931	77.4	71.4	-1,902,620	-7.8
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		31,518,176	31,518,176			0	

**Table 12-1b. Initial Allocation and Year-end 1998 QS Holders by Management Area and Census Area**

Area	Census Area	Initial Number of QS Holders	1998 Number of QS Holders	Initial Pct. of Area QS Holders	1998 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	1998 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Southeast	Aleutians East	4	2	0.6	0.4	-2	-50.0	13,696	157	-13,539	-98.9
	Aleutians West	5	2	0.7	0.4	-3	-60.0	169	11	-158	-93.5
	Anchorage Borough	13	7	1.8	1.3	-6	-46.2	98,569	67,047	-31,522	-32.0
	Fairbanks\N. Star	2	0	0.3	0.0	-2	-100.0	73,035	0	-73,035	-100.0
	Haines	16	11	2.2	2.1	-5	-31.3	42,850	55,011	12,161	28.4
	Juneau	72	56	10.1	10.7	-16	-22.2	62,912	109,545	46,633	74.1
	Kenai Peninsula	19	11	2.7	2.1	-8	-42.1	58,993	73,574	14,581	24.7
	Ketchikan	36	20	5.0	3.8	-16	-44.4	50,538	50,632	94	0.2
	Kodiak Borough	22	17	3.1	3.2	-5	-22.7	17,251	18,163	912	5.3
	MatSu Borough	5	2	0.7	0.4	-3	-60.0	10,999	97	-10,902	-99.1
	Prince of Wales	35	20	4.9	3.8	-15	-42.9	50,738	60,922	10,184	20.1
	Sitka	118	98	16.5	18.7	-20	-16.9	126,927	169,275	42,348	33.4
	Skgway\Yakt\Angoon	47	29	6.6	5.5	-18	-38.3	120,482	139,328	18,846	15.6
	Pburg\Wrangell	72	54	10.1	10.3	-18	-25.0	142,383	180,667	38,284	26.9
	Outside Alaska	247	196	34.6	37.3	-51	-20.6	96,090	127,672	31,582	32.9
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		713	525								
W. Yakutat	Aleutians East	4	2	0.9	0.6	-2	-50.0	30,206	721	-29,485	-97.6
	Aleutians West	5	2	1.1	0.6	-3	-60.0	138	9	-129	-93.5
	Anchorage Borough	17	12	3.7	3.5	-5	-29.4	89,696	28,812	-60,884	-67.9
	Fairbanks\N. Star	1	0	0.2	0.0	-1	-100.0	354	0	-354	-100.0
	Haines	3	1	0.7	0.3	-2	-66.7	5,484	7,087	1,603	29.2
	Juneau	18	15	3.9	4.4	-3	-16.7	58,803	66,072	7,269	12.4
	Kenai Peninsula	52	29	11.4	8.5	-23	-44.2	40,480	80,483	40,003	98.8
	Ketchikan	7	5	1.5	1.5	-2	-28.6	108,794	116,127	7,333	6.7
	Kodiak Borough	30	29	6.6	8.5	-1	-3.3	106,625	95,267	-11,358	-10.7
	MatSu Borough	9	3	2.0	0.9	-6	-66.7	39,231	1,110	-38,121	-97.2
	Prince of Wales	5	1	1.1	0.3	-4	-80.0	15,533	3,335	-12,198	-78.5
	Sitka	38	35	8.3	10.3	-3	-7.9	87,781	129,007	41,226	47.0
	Skgway\Yakt\Angoon	19	14	4.2	4.1	-5	-26.3	35,818	36,827	1,009	2.8
	Valdez\Cordova	10	5	2.2	1.5	-5	-50.0	79,719	146,597	66,878	83.9
	Pburg\Wrangell	33	34	7.2	10.0	1	3.0	135,261	151,031	15,770	11.7
Outside Alaska	205	154	45.0	45.2	-51	-24.9	170,430	229,084	58,654	34.4	
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		456	341								

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Table 12-1b (con't). Initial Allocation and Year-end 1998 QS Holders by Management Area and Census Area

Area	Census Area	Initial Number of QS Holders	1998 Number of QS Holders	Initial Pct. of Area QS Holders	1998 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	1998 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings	
C. Gulf	Aleutians East	5	1	0.8	0.2	-4	-80.0	79,683	21	-79,662	-100.0	
	Aleutians West	5	2	0.8	0.4	-3	-60.0	276	18	-258	-93.5	
	Anchorage Borough	30	24	4.7	5.0	-6	-20.0	68,571	105,546	36,975	53.9	
	Dillingham	0	1	0.0	0.2	1	.	0	986,430	986,430	n.d.	
	Fairbanks\N. Star	1	0	0.2	0.0	-1	-100.0	1,369	0	-1,369	-100.0	
	Haines	1	0	0.2	0.0	-1	-100.0	21	0	-21	-100.0	
	Juneau	12	6	1.9	1.3	-6	-50.0	63,067	105,868	42,801	67.9	
	Kenai Peninsula	140	121	21.8	25.3	-19	-13.6	60,951	91,018	30,067	49.3	
	Ketchikan	11	5	1.7	1.0	-6	-54.5	138,329	246,756	108,427	78.4	
	Kodiak Borough	78	73	12.1	15.2	-5	-6.4	133,838	173,690	39,852	29.8	
	MatSu Borough	10	5	1.6	1.0	-5	-50.0	60,918	36,585	-24,333	-39.9	
	Prince of Wales	5	1	0.8	0.2	-4	-80.0	12,118	1,331	-10,787	-89.0	
	Sitka	34	27	5.3	5.6	-7	-20.6	205,054	247,573	42,519	20.7	
	Skgway\Yakt\Angoon	13	3	2.0	0.6	-10	-76.9	50,774	94,446	43,672	86.0	
	SE Fairbanks	0	1	0.0	0.2	1	.	0	21	21	n.d.	
	Valdez\Cordova	13	9	2.0	1.9	-4	-30.8	22,768	44,595	21,827	95.9	
	Pburg\Wrangell	38	28	5.9	5.8	-10	-26.3	292,517	473,107	180,590	61.7	
	Outside Alaska	247	172	38.4	35.9	-75	-30.4	275,527	355,528	80,001	29.0	
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			643	479								
W. Gulf	Aleutians East	16	5	6.9	2.7	-11	-68.8	81,363	50,928	-30,435	-37.4	
	Aleutians West	6	3	2.6	1.6	-3	-50.0	3,465	229	-3,236	-93.4	
	Anchorage Borough	6	3	2.6	1.6	-3	-50.0	27,165	5,070	-22,095	-81.3	
	Dillingham	0	1	0.0	0.5	1	.	0	125,543	125,543	n.d.	
	Juneau	3	5	1.3	2.7	2	66.7	26,036	69,042	43,006	165.2	
	Kenai Peninsula	18	19	7.7	10.2	1	5.6	121,898	105,772	-16,126	-13.2	
	Ketchikan	4	3	1.7	1.6	-1	-25.0	44,631	32,296	-12,335	-27.6	
	Kodiak Borough	24	29	10.3	15.5	5	20.8	33,129	91,581	58,452	176.4	
	MatSu Borough	5	3	2.1	1.6	-2	-40.0	35,850	1,585	-34,265	-95.6	
	Sitka	13	6	5.6	3.2	-7	-53.8	167,533	279,548	112,015	66.9	
	Skgway\Yakt\Angoon	4	4	1.7	2.1	0	0.0	39,766	60,672	20,906	52.6	
	Valdez\Cordova	0	1	0.0	0.5	1	.	0	19,862	19,862	n.d.	
	Pburg\Wrangell	9	5	3.9	2.7	-4	-44.4	141,751	175,737	33,986	24.0	
	Outside Alaska	125	100	53.6	53.5	-25	-20.0	220,499	276,241	55,742	25.3	
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		233	187									

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Table 12-1b (con't). Initial Allocation and Year-end 1998 QS Holders by Management Area and Census Area

Area	Census Area	Initial Number of QS Holders	1998 Number of QS Holders	Initial Pct. of Area QS Holders	1998 Pct. of Area QS Holders	Change in QS Holders	Percent Change in QS Holders	Initial Avg. QS Holdings	1998 Avg. QS Holdings	Change in Avg. QS Holdings	Percent Change Avg. QS Holdings
Bering Sea	Aleutians East	3	2	2.1	1.6	-1	-33.3	16,905	21,664	4,759	28.2
	Aleutians West	3	2	2.1	1.6	-1	-33.3	299	270	-29	-9.7
	Anchorage Borough	4	3	2.8	2.3	-1	-25.0	51,137	58,262	7,125	13.9
	Dillingham	0	1	0.0	0.8	1	.	0	360,448	360,448	n.d.
	Juneau	3	4	2.1	3.1	1	33.3	70,088	154,228	84,140	120.0
	Kenai Peninsula	12	11	8.3	8.6	-1	-8.3	185,502	207,797	22,295	12.0
	Ketchikan	3	3	2.1	2.3	0	0.0	13,218	13,218	0	0.0
	Kodiak Borough	16	18	11.1	14.1	2	12.5	101,529	105,251	3,722	3.7
	MatSu Borough	4	4	2.8	3.1	0	0.0	13,583	37,817	24,234	178.4
	Sitka	6	4	4.2	3.1	-2	-33.3	150,318	184,942	34,624	23.0
	Skgway\Yakt\Angoon	4	3	2.8	2.3	-1	-25.0	40,883	53,574	12,691	31.0
	Pburg\Wrangell	4	4	2.8	3.1	0	0.0	403,474	313,548	-89,926	-22.3
	Outside Alaska	82	69	56.9	53.9	-13	-15.9	140,426	157,472	17,046	12.1
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		144	128								
Aleutians	Aleutians East	0	1	0.0	0.8	1	.	0	428,834	428,834	n.d.
	Aleutians West	2	2	1.5	1.7	0	0.0	8,103	144,523	136,420	1683.6
	Anchorage Borough	4	3	2.9	2.5	-1	-25.0	62,317	33,694	-28,623	-45.9
	Dillingham	0	1	0.0	0.8	1	.	0	679,248	679,248	n.d.
	Juneau	3	5	2.2	4.2	2	66.7	30,606	75,234	44,628	145.8
	Kenai Peninsula	10	8	7.4	6.7	-2	-20.0	374,296	570,773	196,477	52.5
	Ketchikan	1	1	0.7	0.8	0	0.0	119,314	119,314	0	0.0
	Kodiak Borough	12	10	8.8	8.4	-2	-16.7	39,621	43,516	3,895	9.8
	MatSu Borough	1	1	0.7	0.8	0	0.0	23,264	20,732	-2,532	-10.9
	Sitka	7	4	5.1	3.4	-3	-42.9	243,752	323,986	80,234	32.9
	Skgway\Yakt\Angoon	4	3	2.9	2.5	-1	-25.0	27,498	36,114	8,616	31.3
	Wade Hampton	0	1	0.0	0.8	1	.	0	141,187	141,187	n.d.
	Pburg\Wrangell	5	4	3.7	3.4	-1	-20.0	115,618	113,501	-2,117	-1.8
Outside Alaska	87	75	64.0	63.0	-12	-13.8	280,524	300,039	19,515	7.0	
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		136	119								