Archipelago Sea

Name	Perch population size, age groups 2–5*), fishing-targeted subpopulation (from VPA assessment)	Food consumption of cormorants (tonnes), whole season	Consumption of perch (tonnes) by cormorants	Consumption of perch (tonnes), fishing-targeted subpopulation	Consumption of fishing-targeted perch subpopulation in numbers	Proportion (%) consumed by cormorants of perch age groups 2–5, fishing-targeted subpopulation
Description	RiskTriang(A19; B19; C19)	Output	Output	Output	Output	Output
Cell	E19	E22	E25	E27	E29	E30
Minimum	25417670	722.2994	149.7858	69.44885	1438053	1.044369
Maximum	178882600	1782.724	683.7158	368.7581	8563674	22.7317
Mean	90666680	1212.838	363.9337	181.9658	3886045	4.935374
Std Deviation	32728710	196.4363	92.50772	48.6732	1067603	2.467651
Variance	1.07117E+15	38587.22	8557.679	2369.081	1.13978E+12	6.089303
Skewness	0.3961454	0.1156748	0.3871639	0.4589499	0.5046733	1.511032
Kurtosis	2.400323	2.500808	2.676487	2.865364	2.978746	6.362284
Errors Calculated	0	0	0	0	0	0
Mode	67313380	965.4119	334.7878	178.6131	2375046	2.968266
5% Perc	43036690	893.7319	225.4526	110.3191	2337245	2.096033
10% Perc	50512090	955.5201	248.9952	122.2998	2573476	2.44276
15% Perc	56240500	998.9717	265.4792	130.752	2761622	2.697441
20% Perc	61081790	1037.138	280.7848	138.411	2932149	2.945801
25% Perc	65341720	1071.581	294.0036	144.9924	3087396	3.178474
30% Perc	69267850	1100.212	306.2111	151.752	3229423	3.398989
35% Perc	73296500	1128.669	318.5594	158.3709	3371521	3.625779
40% Perc	77479750	1155.4	330.5301	164.7351	3512589	3.861808
45% Perc	81847970	1181.619	342.9279	171.3389	3645616	4.096079
50% Perc	86417120	1206.358	355.1321	177.0488	3776646	4.365524
55% Perc	91214170	1233.3	368.2269	183.9136	3916588	4.64559
60% Perc	96295900	1259.09	381.9548	190.7737	4060190	4.920295
65% Perc	101693900	1288.588	396.0386	198.1283	4220377	5.255217
70% Perc	107506400	1317.299	411.629	205.765	4397364	5.618308
75% Perc	113827600	1350.523	427.4331	214.1452	4574830	6.052449
80% Perc	120800300	1388.121	444.6383	223.2834	4777601	6.617356
85% Perc	128741600	1429.545	465.0101	234.3679	5034792	7.297601
90% Perc	138140100	1481.119	490.7812	248.5416	5343784	8.151472
95% Perc	150392700	1544.953	530.1867	269.7682	5825390	9.74189

*) 50% of age group 5

Bothnian Sea and Quark

Name	Perch catch (kg)	Perch catch in numbers	Perch stock in numbers, recruited to fishery	Perch age groups 2–5*) in numbers, fishing-targeted subpopulation	Food consumption of cormorants (tonnes), whole season	Consumption of perch (tonnes) by cormorants	Consumption of perch (tonnes), fishing-targeted subpopulation	Consumption of fishing-targeted perch subpopulation in numbers	Proportion consumed by cormorants of perch age groups 2–5, fishing-targeted subpopulation
Cell	H5	H9	H10	H14	H17	H20	H23	H26	H28
Minimum	573235.5	2314408	6121640	2.53E+07	1439.67	314.2388	134.0973	2803065	0.94
Maximum	1373419	7810396	2.42E+07	4.34E+08	3375.975	1313.323	775.0912	1.79E+07	39.61
Mean	968998.9	4488244	1.24E+07	1.41E+08	2338.639	701.6825	351.0344	7498041	6.60
Std Deviation	193223.1	1023657	2998662	6.43E+07	371.6365	177.0189	94.29304	2069772	3.97
Variance	3.73E+10	1.05E+12	8.99E+12	4.14E+15	138113.7	31335.68	8891.177	4.28E+12	15.77
Skewness	5.58E-03	0.324216	0.4268551	0.9042004	9.98E-02	0.3997979	0.5182684	0.541007	2.00
Kurtosis	1.951589	2.621655	2.84445	3.718847	2.487858	2.679513	2.969911	3.056195	9.90
Errors Calculated	0	0	0	0	0	0	0	0	0.00
Mode	808721.4	2897077	1.05E+07	1.07E+08	2296.027	672.2196	390.3949	4469240	9.43
5% Perc	665570.4	2948300	7966892	5.75E+07	1736.157	438.7031	215.0482	4521195	2.38
10% Perc	710942.2	3163531	8674265	6.88E+07	1844.549	484.6875	237.4934	5024296	2.85
15% Perc	743422	3349362	9226491	7.73E+07	1929.02	514.2192	253.4315	5346509	3.23
20% Perc	775447.6	3512419	9700344	8.57E+07	2006.635	542.864	266.1818	5652203	3.58
25% Perc	806692.5	3683422	1.01E+07	9.32E+07	2071.91	566.9645	279.6006	5955714	3.89
30% Perc	840905.3	3824645	1.05E+07	9.99E+07	2129.468	589.7426	292.6163	6231631	4.22
35% Perc	871552.1	3994030	1.10E+07	1.07E+08	2186.822	614.5435	305.0667	6501542	4.54
40% Perc	901858.8	4156781	1.14E+07	1.13E+08	2232.868	637.5455	317.0394	6720775	4.87
45% Perc	935263.4	4312683	1.18E+07	1.21E+08	2282.624	660.1616	329.0659	6969104	5.22
50% Perc	968159.1	4466537	1.22E+07	1.29E+08	2329.004	684.848	340.7986	7236005	5.57
55% Perc	1001297	4599573	1.26E+07	1.37E+08	2377.275	710.1323	353.1037	7537447	5.95
60% Perc	1033925	4742304	1.31E+07	1.45E+08	2427.86	734.6134	366.7282	7815832	6.35
65% Perc	1066147	4888520	1.35E+07	1.55E+08	2480.15	762.6612	380.0676	8101646	6.89
70% Perc	1099047	5029737	1.39E+07	1.66E+08	2535.628	791.5603	394.1062	8453988	7.52
75% Perc	1128999	5193982	1.44E+07	1.78E+08	2594.936	821.2644	411.5185	8841583	8.21
80% Perc	1162024	5362027	1.50E+07	1.93E+08	2669.624	854.5231	431.6886	9292798	9.02
85% Perc	1194410	5563039	1.56E+07	2.09E+08	2743.086	896.6968	453.1962	9765774	10.05
90% Perc	1229161	5854582	1.64E+07	2.30E+08	2843.802	949.0186	483.9087	1.03E+07	11.68
95% Perc	1271645	6274716	1.78E+07	2.66E+08	2965.49	1017.577	521.6423	1.13E+07	14.20

*) 50% of age group 5

Gulf of Finland

Name	Perch catch (kg)	Perch catch in numbers	Perch stock in numbers, recruited to fishery	Perch age groups 2–5*) in numbers, fishing-targeted subpopulation	Food consumption of cormorants (tonnes), whole season	Consumption of perch (tonnes) by cormorants	Consumption of perch (tonnes), fishing-targeted subpopulation	Consumption of fishing-targeted perch subpopulation in numbers	Proportion consumed by cormorants of perch age groups 2–5, fishing-targeted subpopulation
Cell	H4	H9	H10	H14	H19	H22	H25	H28	H30
Minimum	223880.2	906393.7	2256356	1.02E+07	1218.319	265.9306	122.0431	2467976	1.40
Maximum	726225.4	4320468	1.30E+07	2.20E+08	2768.304	1070.865	577.1351	1.32E+07	80.60
Mean	477000.3	2208916	6123944	6.94E+07	1949.531	584.7301	292.4278	6243910	11.55
Std Deviation	125294	629598.3	1824752	3.42E+07	305.3501	145.6863	77.25731	1690702	7.42
Variance	1.57E+10	3.96E+11	3.33E+12	1.17E+15	93238.66	21224.5	5968.692	2.86E+12	54.99
Skewness	-4.69E-03	0.2573333	0.3481825	0.9972262	6.80E-02	0.3748805	0.4768153	0.5207108	2.26
Kurtosis	1.884877	2.40463	2.560431	3.958922	2.408323	2.652841	2.851953	2.981943	11.93
Errors Calculated	0	0	0	0	0	0	0	0	0.00
Mode	314133.3	1547510	4848120	4.15E+07	1913.845	470.5909	266.0703	4669829	8.62
5% Perc	282170.8	1255422	3416793	2.61E+07	1451.514	367.03	180.551	3819108	3.91
10% Perc	308260.4	1393105	3768090	3.17E+07	1542.204	403.6559	198.2867	4201210	4.77
15% Perc	327127.2	1501997	4104590	3.63E+07	1615.174	430.3159	212.6753	4503953	5.39
20% Perc	349075.6	1595031	4395600	4.04E+07	1677.567	455.46	223.9829	4766704	6.03
25% Perc	369614.6	1702654	4667155	4.38E+07	1730.571	474.0729	234.8931	4973120	6.59
30% Perc	391891	1792094	4938616	4.73E+07	1778.053	493.6343	243.9183	5169056	7.25
35% Perc	414797.1	1888900	5208307	5.10E+07	1823.89	512.7587	253.616	5399531	7.75
40% Perc	434186.8	1993839	5480258	5.46E+07	1864.667	531.0031	263.3936	5625377	8.34
45% Perc	455782	2088801	5748514	5.83E+07	1905.257	550.3661	272.3962	5826993	9.02
50% Perc	476880.8	2185920	6041501	6.21E+07	1937.803	570.5281	283.5012	6039287	9.65
55% Perc	497717.4	2285938	6292369	6.63E+07	1982.064	591.1041	294.356	6276972	10.36
60% Perc	519662.7	2378499	6553723	7.10E+07	2020.377	614.3442	305.839	6517263	11.03
65% Perc	541824.8	2471179	6799801	7.64E+07	2067.717	638.3887	318.559	6761729	11.99
70% Perc	562753.3	2571198	7098415	8.20E+07	2117.825	661.9696	330.5467	7046191	13.00
75% Perc	584161.3	2671731	7400814	8.83E+07	2164.331	686.5279	342.2383	7342409	14.24
80% Perc	604559.7	2779328	7766114	9.66E+07	2228.122	713.0203	359.0155	7684260	15.79
85% Perc	625203.4	2902369	8133737	1.05E+08	2293.656	740.8715	377.0666	8096196	17.73
90% Perc	649172.1	3052747	8621668	1.18E+08	2367.77	780.7589	398.7415	8580913	20.55
95% Perc	671691.5	3264563	9264460	1.34E+08	2464.26	845.6652	431.3043	9292782	25.40

*) 50% of age group 5

Rectangle 55H1 (Quark)

Number of cormorant nests in 2018: 3140

Name	Perch catch (kg), recreational fishing	Total perch catch (kg), commercial + recreational	Perch catch in numbers	Perch stock in numbers, recruited to fishery	Perch age groups 2–5 in numbers, fishing-targeted subpopulation	Food consumption of cormorants (tonnes), whole season	Consumption of perch (tonnes) by cormorants	Consumption of perch (tonnes), fishing-targeted subpopulation	Consumption of fishing-targeted perch subpopulation in numbers	Proportion consumed by cormorants of perch age groups 2–5, fishing-targeted subpopulation
Description	Output	Output	Output	Output	Output	Output	Output	Output	Output	Output
Cell	H4	H5	H9	H10	H14	H19	H26	H29	H32	H34
Minimum	103734.2	207445.6	808596.9	1467269	5649885	408.2265	82.60748	37.1689	748409.9	0.77
Maximum	290397.8	453788.5	1964304	5062840	1.32E+08	816.3641	324.7321	181.1379	4061520	40.71
Mean	185628.6	319128.6	1304558	2778710	3.98E+07	612.3	183.6351	91.80956	1960465	6.17
Std Deviation	39271.82	52269.58	219462.8	586676.2	1.82E+07	117.8432	50.16731	26.19847	572726.4	3.88
Variance	1.54E+09	2.73E+09	4.82E+10	3.44E+11	3.33E+14	13887.02	2516.759	686.36	3.28E+11	15.06
Skewness	0.2956189	0.2180075	0.2484968	0.5476661	0.8483637	-2.35E-06	0.3829199	0.4493627	0.5108796	2.05
Kurtosis	2.431584	2.370159	2.477804	3.081117	3.708432	1.799997	2.518646	2.680344	2.855578	9.78
Errors Calculated	0	0	0	0	0	0	0	0	0	0.00
Mode	131762.3	305598.3	1083973	2233073	3.50E+07	814.3585	133.4508	59.36137	1665567	3.22
5% Perc	125200.3	236903.1	961936.1	1933955	1.55E+07	428.5903	108.6054	53.19059	1128110	2.16
10% Perc	135597.6	251803.6	1023192	2064165	1.89E+07	449.0199	120.8984	59.6332	1265888	2.58
15% Perc	143487.7	262436.1	1068499	2169216	2.16E+07	469.4118	130.5372	64.41681	1366922	2.94
20% Perc	150320.6	271674.9	1105673	2259643	2.40E+07	489.8111	139.0159	68.59496	1453921	3.25
25% Perc	156407.9	279751.4	1137826	2345985	2.61E+07	510.2409	146.7734	72.27994	1535108	3.54
30% Perc	161936.5	287107.7	1171514	2424125	2.81E+07	530.6198	152.5851	75.58512	1607930	3.84
35% Perc	166957	294378.4	1203005	2499346	3.01E+07	551.0569	159.0937	79.08266	1679072	4.15
40% Perc	171964.1	301039.2	1230676	2568857	3.23E+07	571.4656	165.1645	82.0577	1751262	4.48
45% Perc	176915.6	308551.2	1263102	2643492	3.45E+07	591.8657	171.1935	85.40427	1816848	4.80
50% Perc	182093.4	316300.8	1292065	2720718	3.67E+07	612.2972	177.8921	88.9269	1888438	5.15
55% Perc	187238.5	323542.6	1320986	2796867	3.91E+07	632.7083	184.744	92.28304	1965127	5.53
60% Perc	192811.9	330513.7	1352533	2873250	4.15E+07	653.088	192.3716	95.87687	2045305	5.96
65% Perc	199195.2	338490.8	1384693	2949384	4.43E+07	673.5059	200.0033	100.0092	2133043	6.45
70% Perc	205785.4	346904.6	1419747	3046626	4.74E+07	693.9123	208.436	104.1673	2228960	7.01
75% Perc	212943.3	356102.5	1457257	3152219	5.06E+07	714.3409	217.571	109.1701	2330521	7.63
80% Perc	221130	366513.9	1499261	3257474	5.46E+07	734.7537	228.5716	114.6876	2446710	8.40
85% Perc	230028.5	378668.7	1547936	3393082	5.93E+07	755.1572	241.3026	120.8163	2590227	9.45
90% Perc	241800.1	392392.8	1608728	3574646	6.48E+07	775.5601	255.3431	128.8139	2763212	10.98
95% Perc	256215.6	411288.7	1691564	3865574	7.41E+07	795.9865	275.0042	140.4028	3015863	13.62