



# **Iceland Catastrophe Insurance**

**Renewal document 2017**  
November 2016

# Loss Earthquake – May 2008

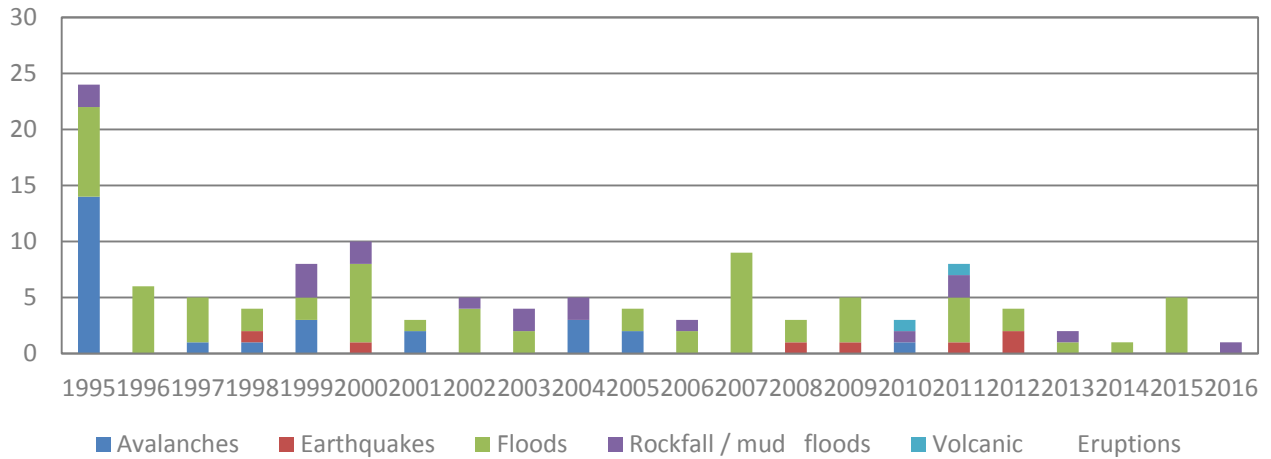
## Loss Earthquake – May 2008

<b>As at end of October 2016</b>	<b>ISK</b>	<b>EUR*</b>
Properties	7.393.819.491	58.681.107,07
Contents	1.104.042.503	8.762.242,09
Assessment and lawyer cost	1.394.713.145	11.069.151,94
<b>Total loss</b>	<b>9.892.575.139</b>	<b>78.512.501,10</b>

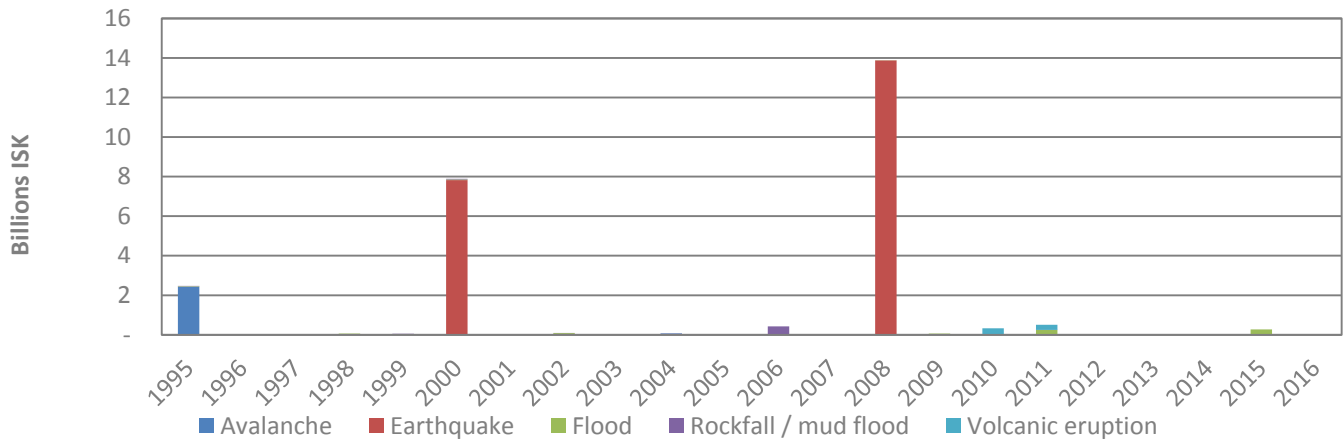
# Losses by Peril 1995-2016

## Losses by Peril 1995-2016

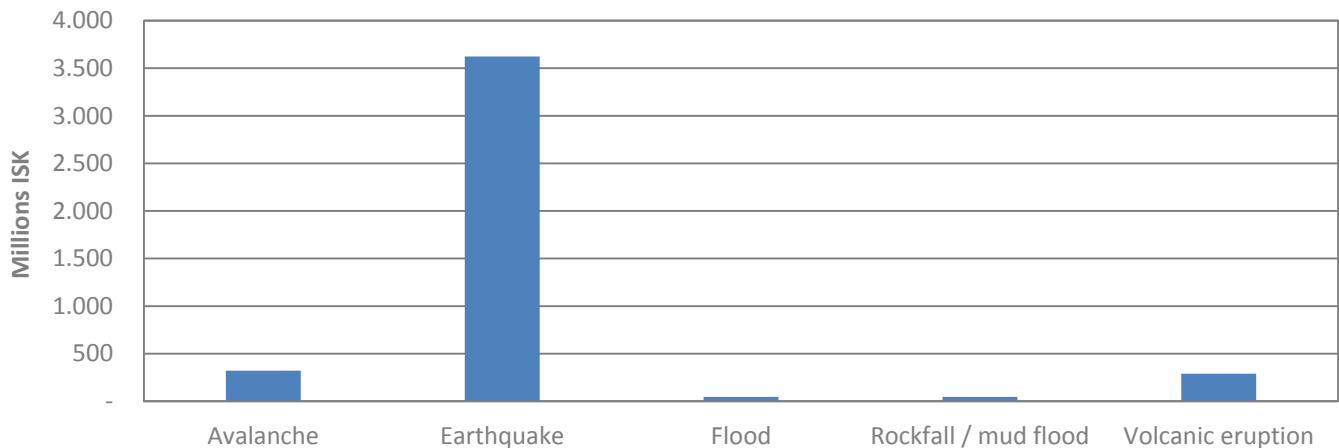
### Number of Events by Peril 1995-2016



### Losses by Peril 1995-2016

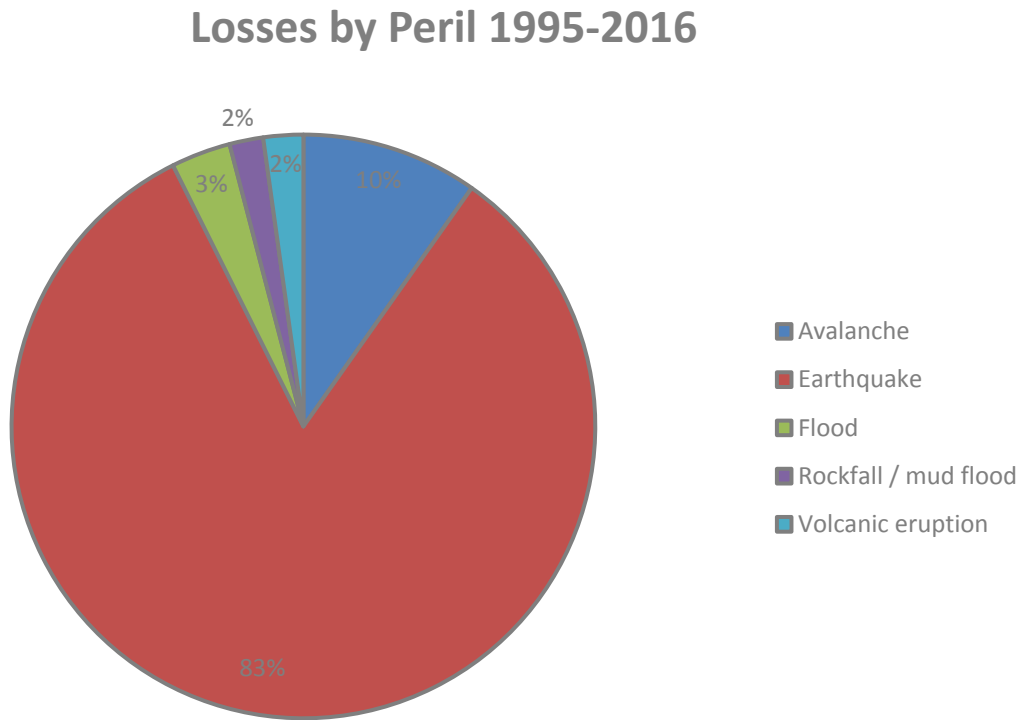


### Average Loss by Peril 1995-2016

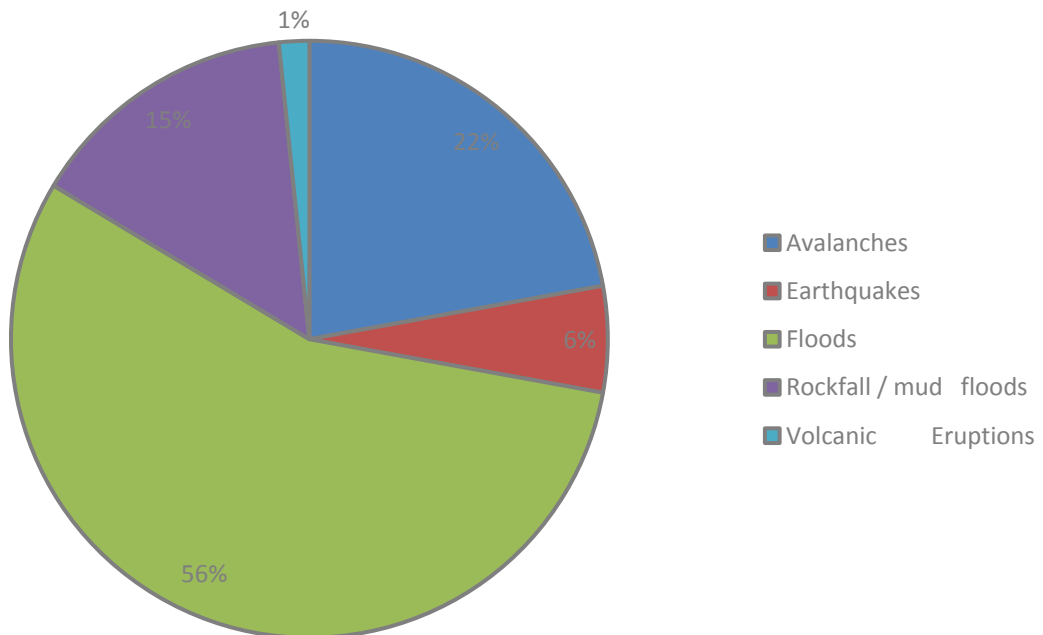


# Losses by Peril 1995-2016

## Losses by Peril 1995-2016



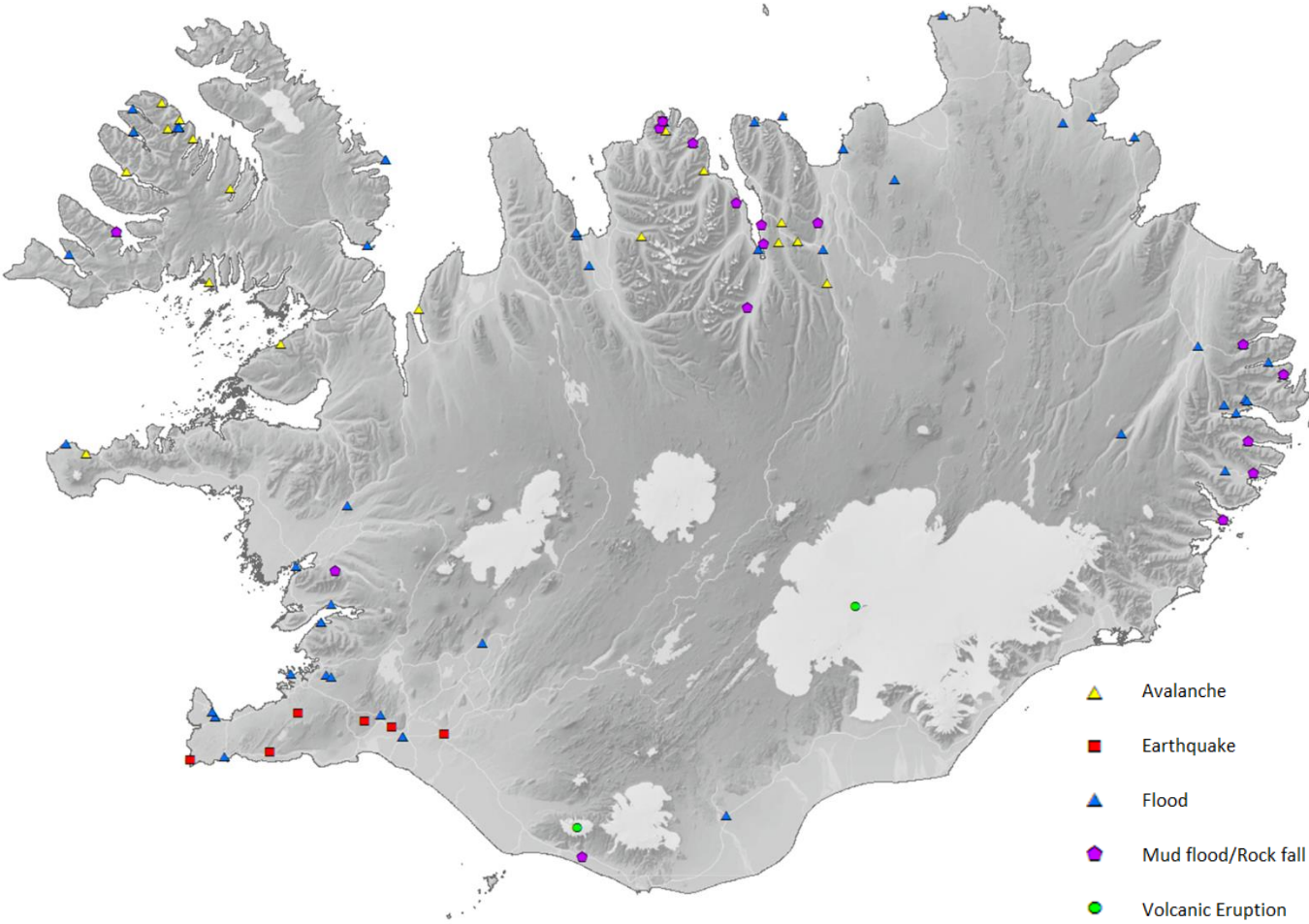
## Number of Events by Peril 1995-2016



For detailed tables , please look up the Excel version

# Loss History 1995-2016

Loss History 1995-2016

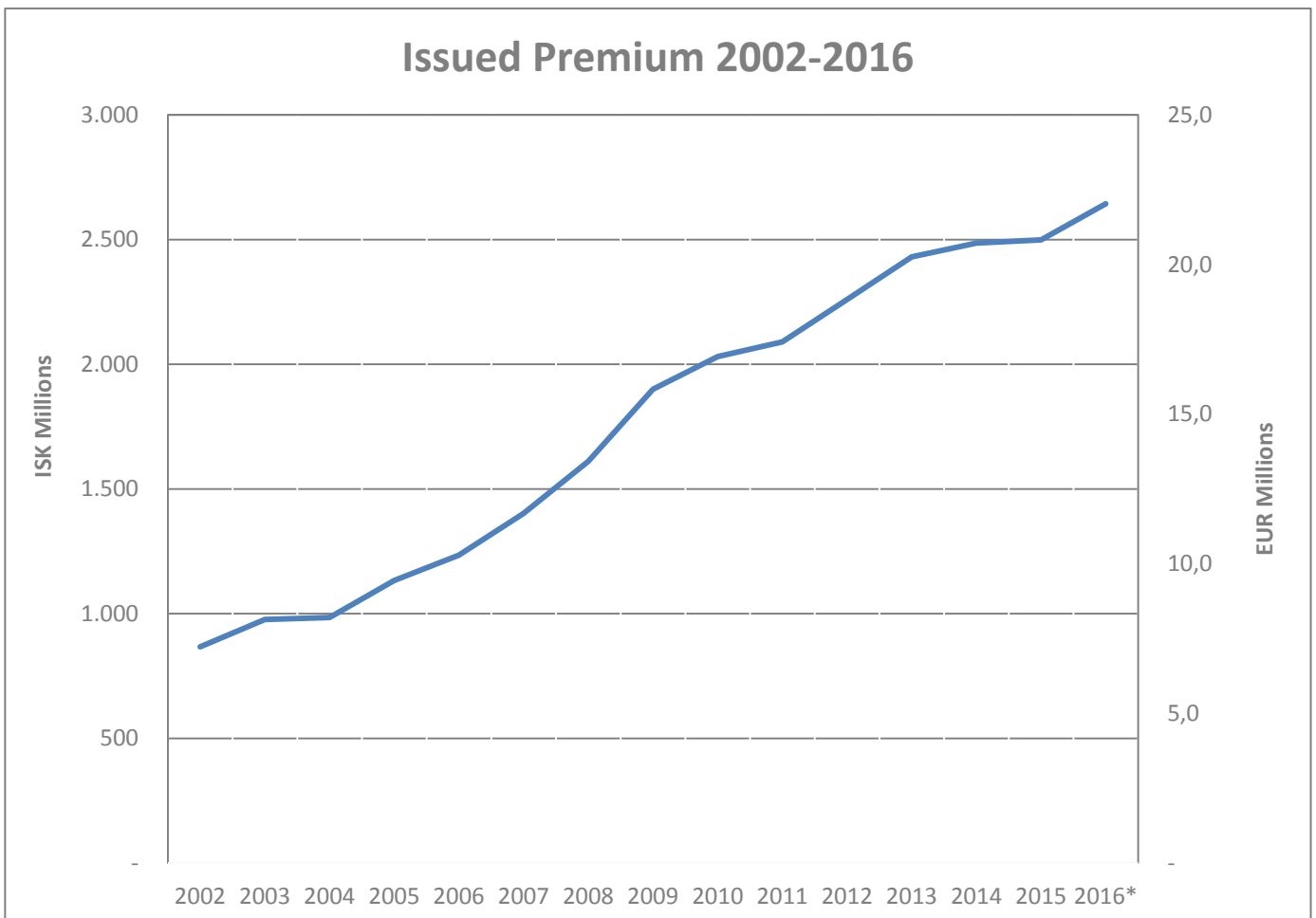


For detailed tables , please look up the Excel version

# Issued Premium

## Issued Premium

Year	ISK million	EUR million
2002	867	6,9
2003	977	7,8
2004	985	7,8
2005	1.133	9,0
2006	1.235	9,8
2007	1.402	11,1
2008	1.611	12,8
2009	1.900	15,1
2010	2.031	16,1
2011	2.090	16,6
2012	2.260	17,9
2013	2.431	19,3
2014	2.486	19,7
2015	2.499	19,8
2016*	2.644	21,0

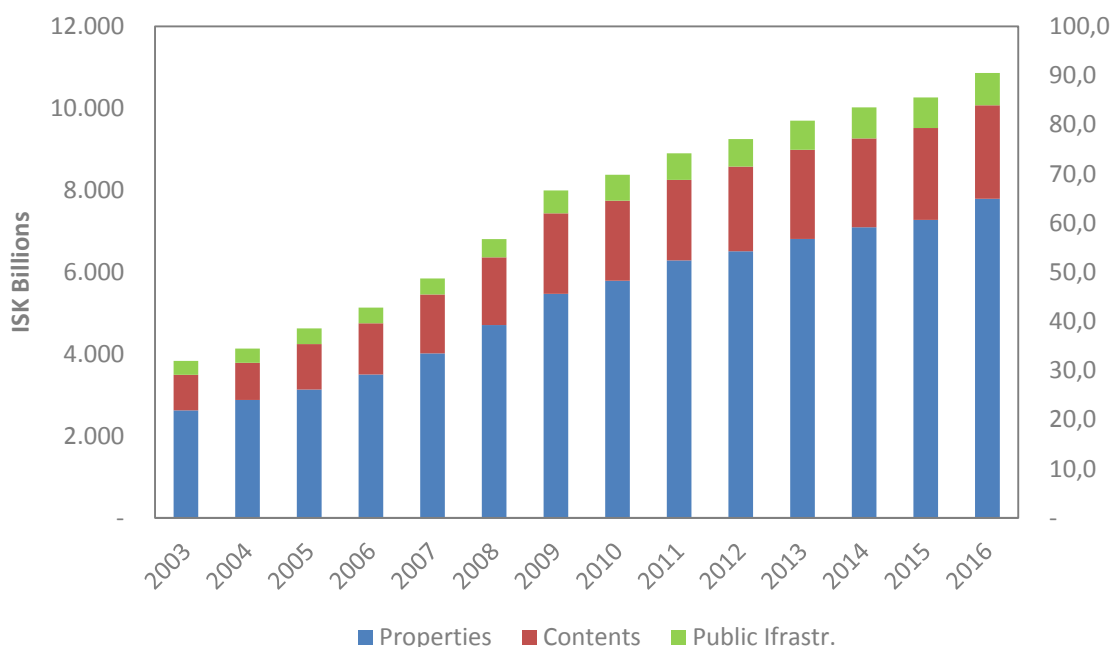


# Total Aggregates

## Total Aggregates

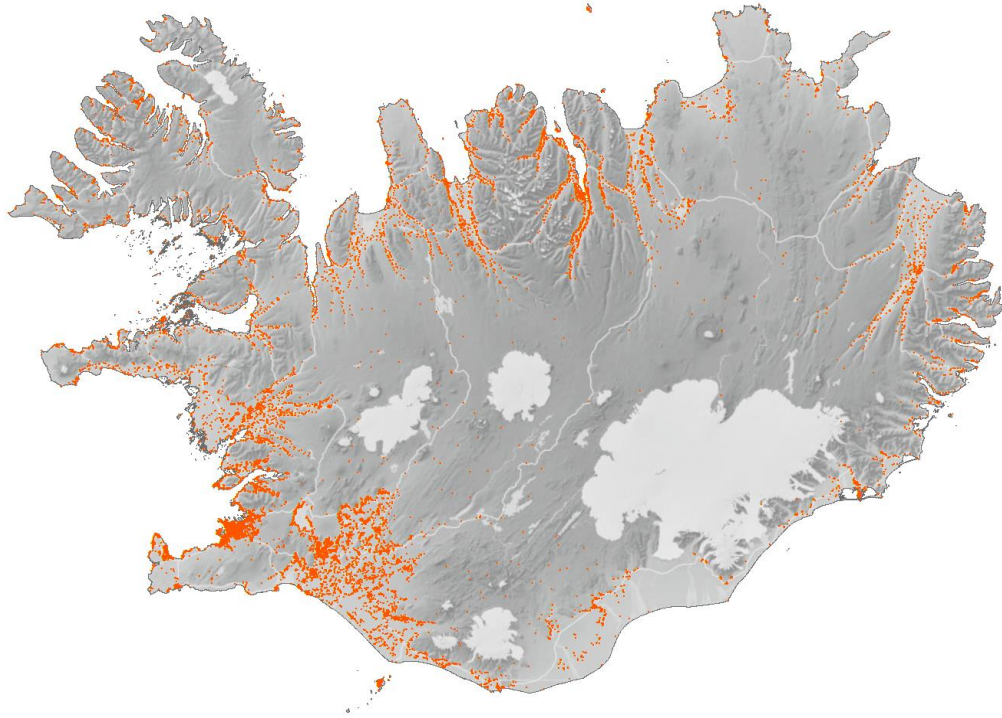
Year	Properties	Contents	Public infrastr.	Total ISK	Total EUR
2003	2.626	867	342	3.835	30,4
2004	2.882	907	347	4.136	32,8
2005	3.135	1.110	382	4.627	36,7
2006	3.503	1.250	384	5.137	40,8
2007	4.019	1.438	389	5.846	46,4
2008	4.711	1.649	448	6.809	54,0
2009	5.473	1.965	556	7.995	63,5
2010	5.792	1.953	632	8.377	66,5
2011	6.287	1.968	648	8.902	70,7
2012	6.510	2.067	673	9.250	73,4
2013	6.811	2.179	711	9.700	77,0
2014	7.098	2.169	758	10.025	79,6
2015	7.277	2.242	748	10.268	81,5
2016	7.794	2.281	787	10.862	86,2

### Sum of Insured Aggregates 2016



# Total Aggregates

## Total Aggregates



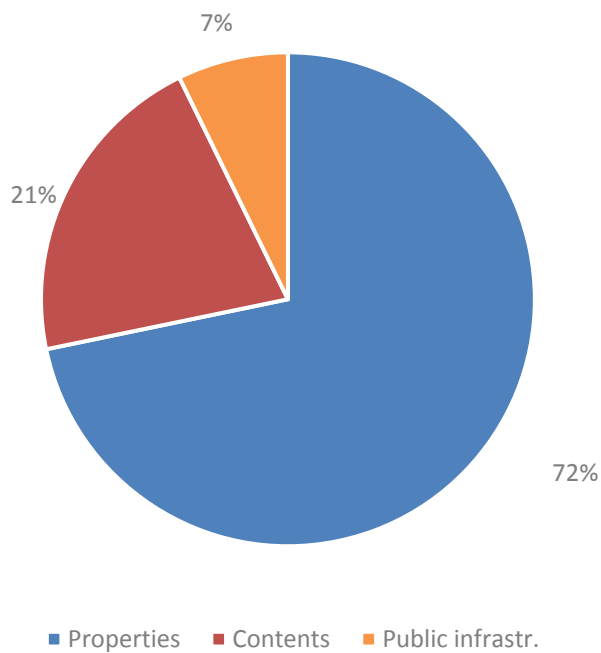
Each dot represents single policy  
(Properties and contents)



Urban areas in Iceland

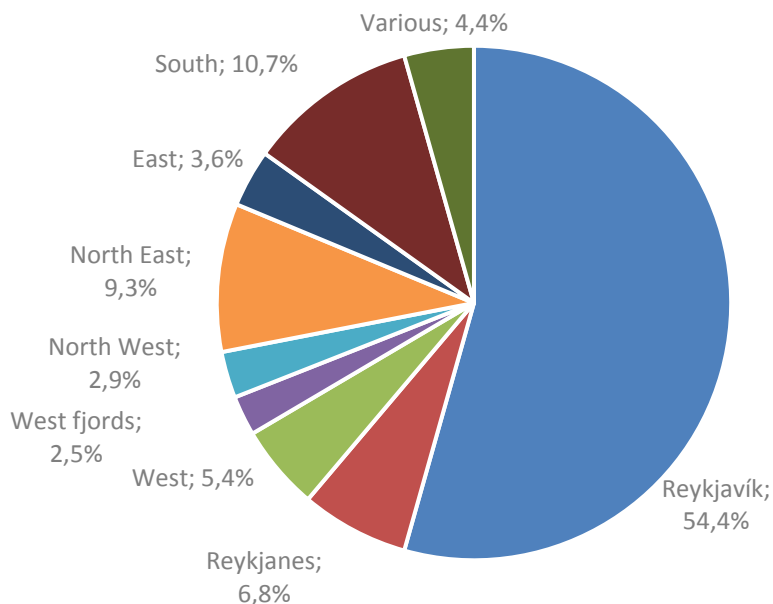
# Total Aggregates

## Total Aggregates



# Sum of Aggregates by region

## Sum of Aggregates by region



# Sum of Aggregates by region

## Sum of Aggregates by region

Area	Properties ISK	Contents ISK	Public Infra-structure	Total ISK	Total EUR	%
Reykjavík	4.497	1.326	83	5.906	46,9	54,4%
Reykjanes	513	190	36	739	5,9	6,8%
West	446	122	14	581	4,6	5,4%
West fjords	203	52	16	271	2,2	2,5%
North West	237	68	13	317	2,5	2,9%
North East	747	199	67	1.013	8,0	9,3%
East	281	86	25	392	3,1	3,6%
South	870	239	58	1.167	9,3	10,7%
Various	-	-	475	475	3,8	4,4%
<b>Total</b>	<b>7.794</b>	<b>2.281</b>	<b>787</b>	<b>10.862</b>	<b>86,2</b>	<b>100,0%</b>

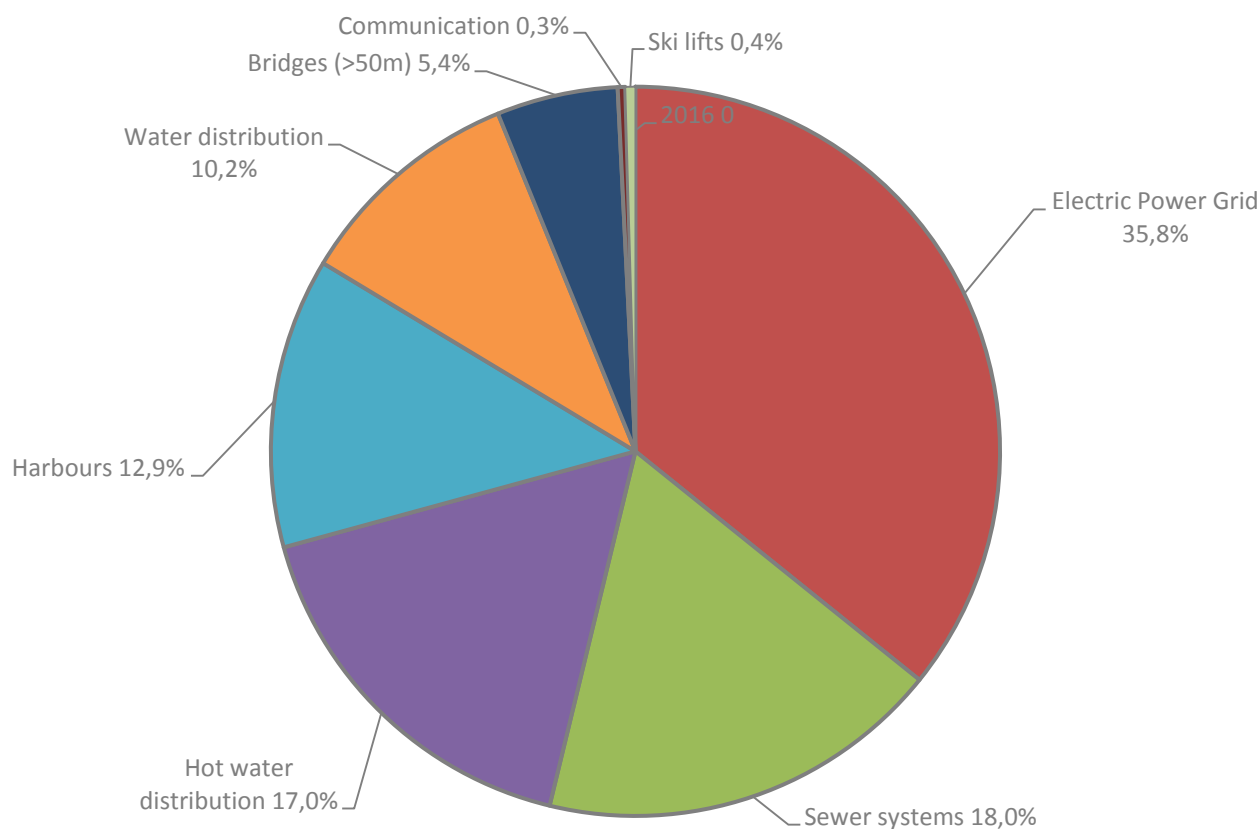


# Aggregates Infrastructure

## Aggregates Infrastructure

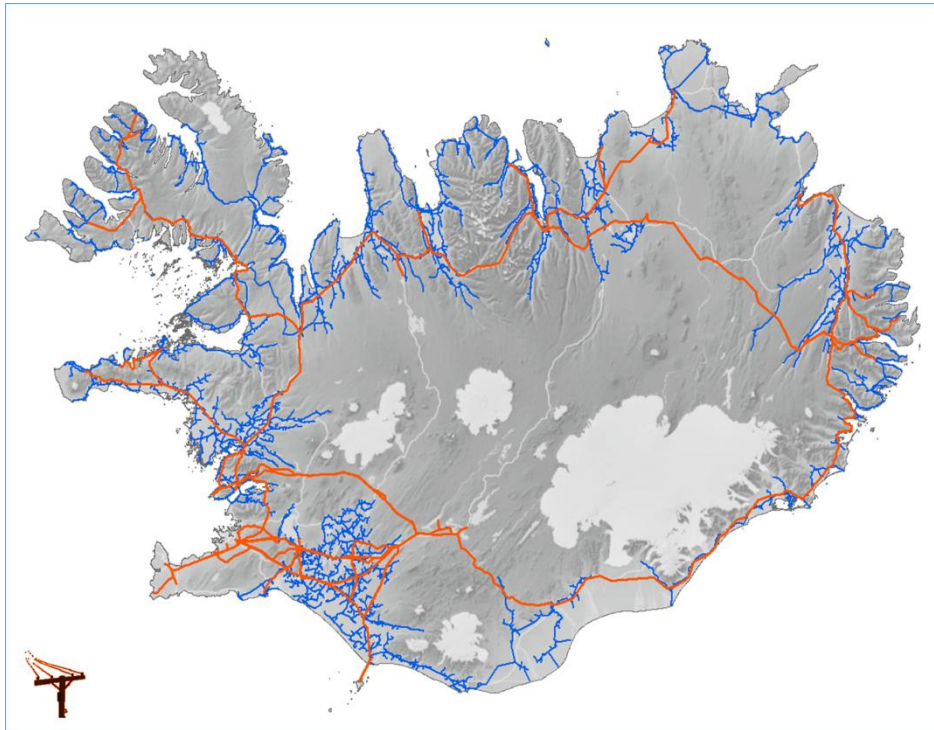
2016	Billion ISK	Million EUR	%
Electric Power Grid	282	2.236	35,8%
Sewer systems	142	1.125	18,0%
Hot water distribution	134	1.061	17,0%
Harbours	101	804	12,9%
Water distribution	80	638	10,2%
Bridges (>50m)	42	336	5,4%
Communication	3	21	0,3%
Ski lifts	4	28	0,4%

**Public Infrastructure 2016 by Type**

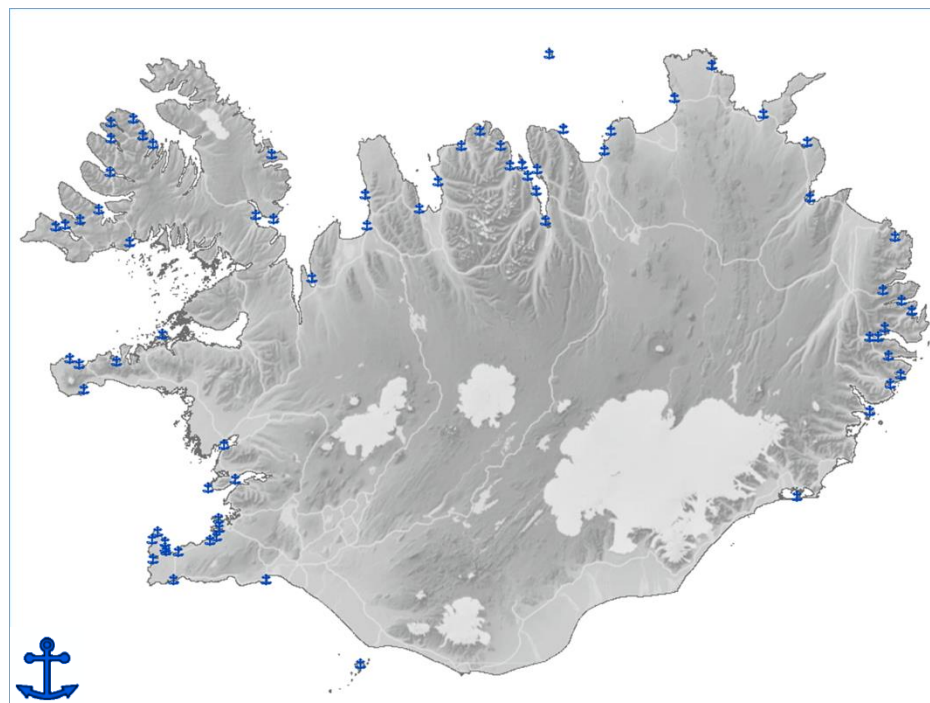


# Aggregates Infrastructure

## Aggregates Infrastructure



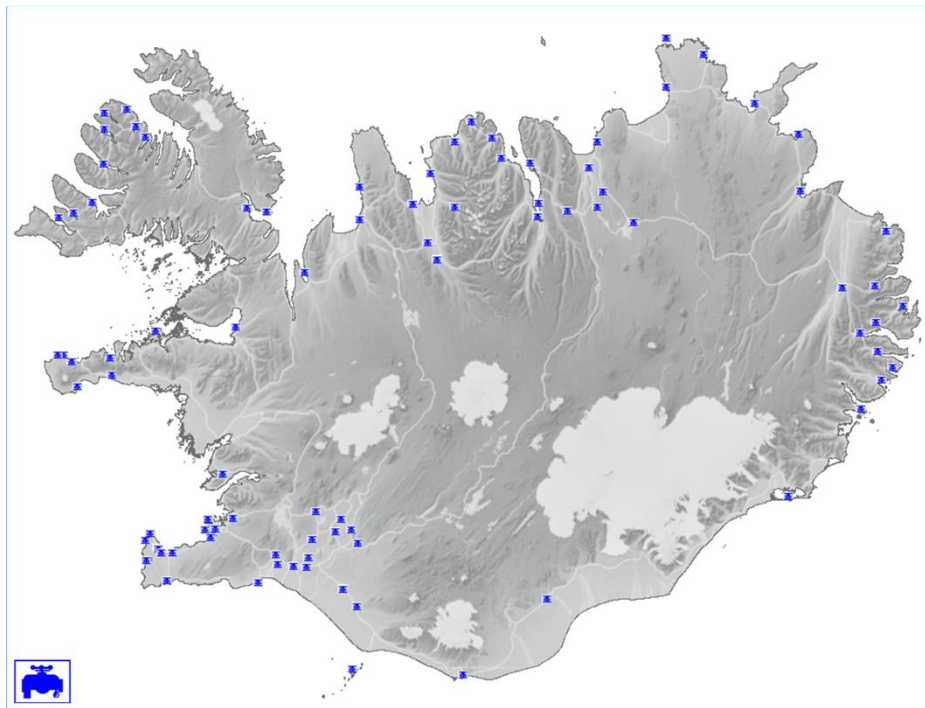
Electric Power Grid. Orange: High Voltage Power Grid & Blue: Local Power Grids



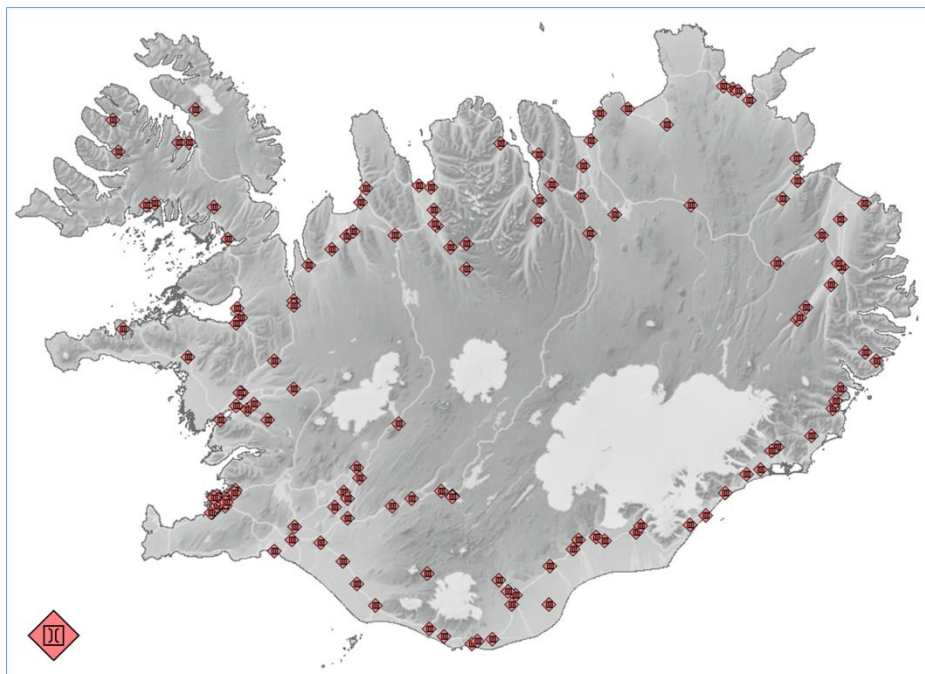
72 Harbours

# Aggregates Infrastructure

## Aggregates Infrastructure



Water, hot-water and sewage systems (40.1% of total value of the infrastructure)



154 Bridges (>50m)

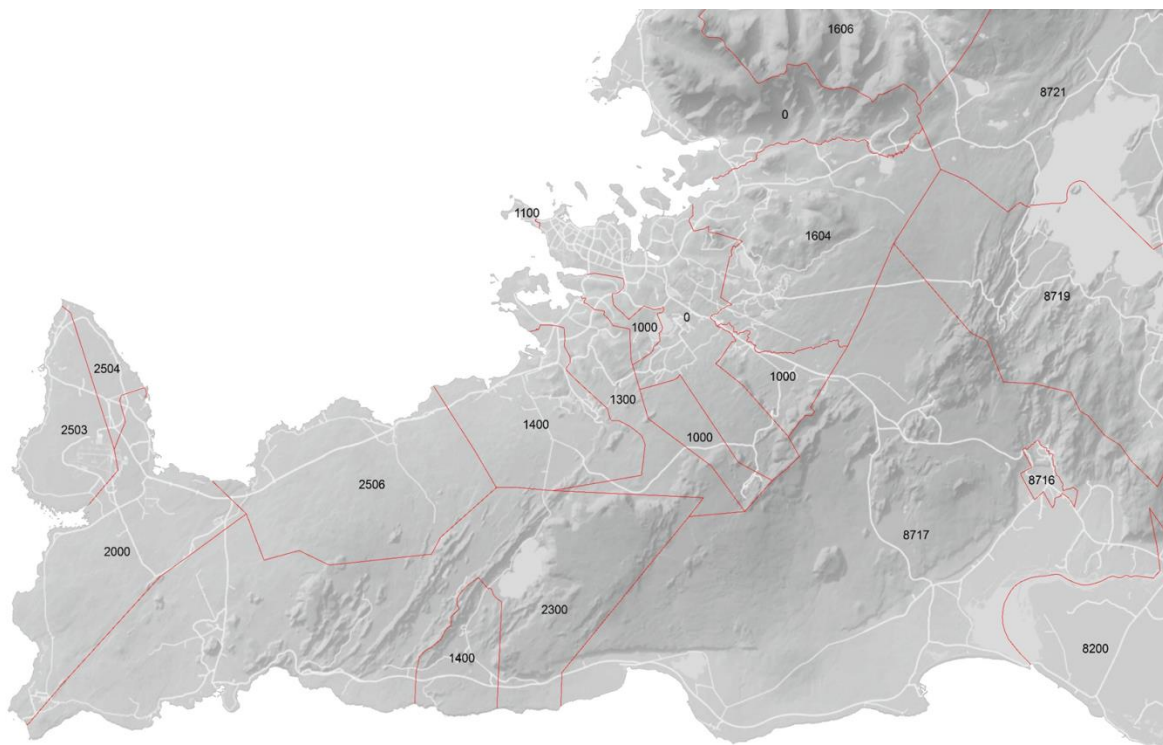
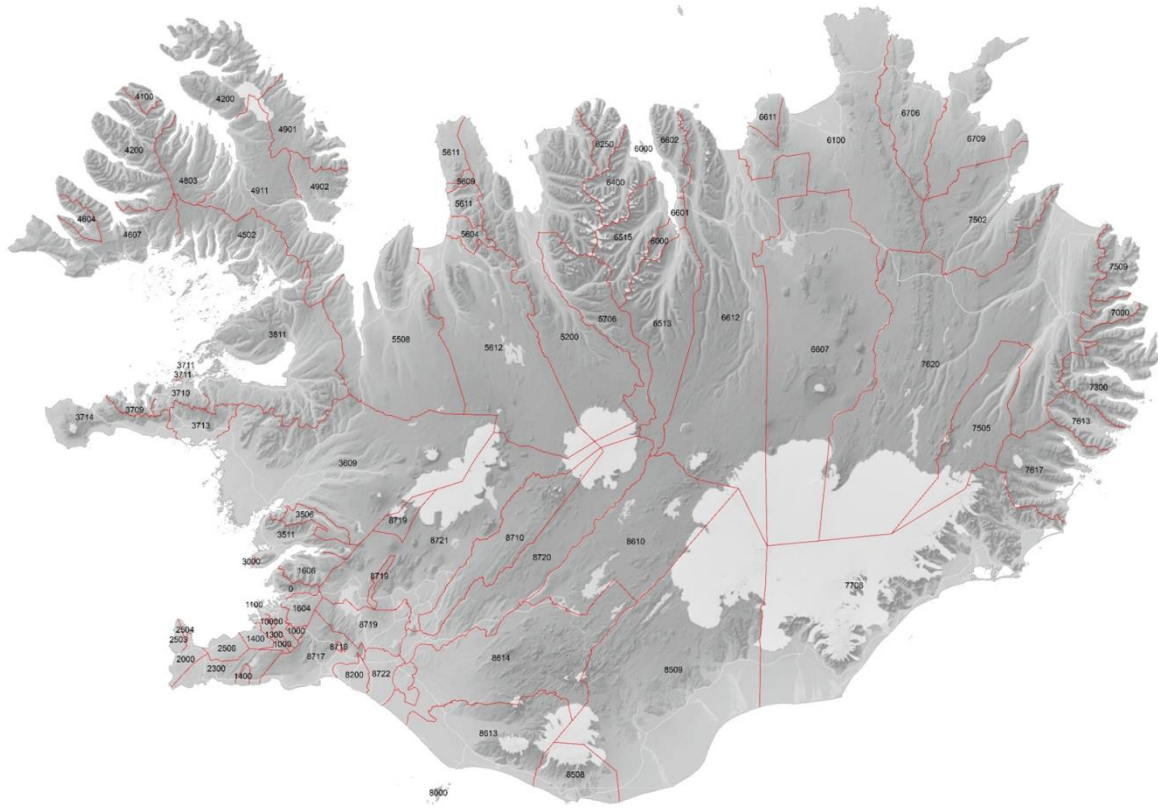
# Aggregates by Municipalities

## Aggregates by Municipalities

Area	Municipality	Code	Properties ISK millions	Contents ISK millions	Public Infrastr. ISK millions	TOTAL ISK millions	TOTAL EUR millions	% of total
Reykjavík	Reykjavíkurborg	0	2.710.721	843.906	37.410	3.592.037	28.508	33,1%
Reykjavík	Kópavogsbær	1000	661.919	175.895	12.437	850.251	6.748	7,8%
Reykjavík	Seltjarnarnesbær	1100	84.503	22.701	4.259	111.463	885	1,0%
Reykjavík	Garðabær	1300	319.133	86.975	4.022	410.129	3.255	3,8%
Reykjavík	Hafnarfjarðarkaupstaður	1400	529.694	147.738	20.771	698.203	5.541	6,4%
Reykjavík	Mosfellsbær	1604	174.532	45.726	4.450	224.709	1.783	2,1%
Reykjavík	Kjósarhreppur	1606	16.005	2.970	-	18.975	151	0,2%
Reykjanes	Reykjanesbær	2000	322.394	114.251	27.080	463.725	3.680	4,3%
Reykjanes	Grindavíkurbær	2300	70.532	38.427	3.650	112.609	894	1,0%
Reykjanes	Sandgerðisbær	2503	70.462	22.606	2.718	95.786	760	0,9%
Reykjanes	Sveitarfélagið Garður	2504	26.541	9.018	833	36.391	289	0,3%
Reykjanes	Sveitarfélagið Vogar	2506	22.842	5.977	1.308	30.127	239	0,3%
West	Akraneskaupstaður	3000	131.283	38.312	2.035	171.630	1.362	1,6%
West	Skorradalshreppur	3506	14.386	1.721	-	16.107	128	0,1%
West	Hvalfjarðarsveit	3511	33.747	18.420	3.245	55.411	440	0,5%
West	Borgarbyggð	3609	134.493	27.139	54	161.686	1.283	1,5%
West	Grundarfjarðarbær	3709	20.759	7.477	2.172	30.407	241	0,3%
West	Helgafellssveit	3710	2.729	991	-	3.721	30	0,0%
West	Stykkishólmsbær	3711	28.709	6.710	1.769	37.189	295	0,3%
West	Eyja- og Miklaholtshreppur	3713	6.501	2.161	-	8.662	69	0,1%
West	Snæfellsbær	3714	45.328	11.479	3.786	60.593	481	0,6%
West	Dalabyggð	3811	27.765	7.410	767	35.942	285	0,3%
West fjords	Bolungarvíkurkaupstaður	4100	23.350	7.071	1.979	32.400	257	0,3%
West fjords	Ísafjarðarbær	4200	97.208	24.482	8.235	129.926	1.031	1,2%
West fjords	Reykholahreppur	4502	11.094	2.323	-	13.417	106	0,1%
West fjords	Tálknafjarðarhreppur	4604	7.998	2.005	705	10.707	85	0,1%
West fjords	Vesturbyggð	4607	30.408	8.588	3.194	42.190	335	0,4%
West fjords	Súðavíkurhreppur	4803	10.457	1.719	574	12.750	101	0,1%
West fjords	Árneshreppur	4901	3.068	517	148	3.733	30	0,0%
West fjords	Kaldrananeshreppur	4902	3.915	830	377	5.122	41	0,0%
West fjords	Strandabyggð	4911	15.703	4.258	1.102	21.063	167	0,2%
North West	Sveitarfélagið Skagafjörður	5200	120.943	39.688	8.701	169.332	1.344	1,6%
North West	Húnaþing vestra	5508	47.010	9.201	1.498	57.708	458	0,5%
North West	Blönduósibær	5604	28.030	7.433	1.139	36.602	290	0,3%
North West	Sveitarfélagið Skagaströnd	5609	12.462	3.146	1.732	17.341	138	0,2%
North West	Skagabyggð	5611	3.724	1.056	-	4.780	38	0,0%
North West	Húnavatnshreppur	5612	17.988	5.448	-	23.436	186	0,2%
North West	Akrahreppur	5706	6.524	1.751	-	8.275	66	0,1%
North East	Akureyrarkaupstaður	6000	403.650	113.593	44.363	561.605	4.457	5,2%
North East	Norðurþing	6100	79.631	19.438	8.463	107.532	853	1,0%
North East	Fjallabyggð	6250	58.672	13.722	6.546	78.940	627	0,7%
North East	Dalvíkurbyggð	6400	48.132	13.269	3.682	65.083	517	0,6%
North East	Eyafjarðarsveit	6513	30.209	7.608	175	37.993	302	0,3%
North East	Hörgársveit	6515	21.269	4.904	44	26.217	208	0,2%
North East	Svalbarðsstrandarhreppur	6601	15.206	3.678	-	18.885	150	0,2%
North East	Grýtubakkahreppur	6602	10.992	2.702	588	14.282	113	0,1%
North East	Skútustaðahreppur	6607	17.030	3.242	908	21.180	168	0,2%
North East	Tjörneshreppur	6611	1.820	769	75	2.664	21	0,0%
North East	Þingeyjarsveit	6612	43.713	9.516	822	54.050	429	0,5%
North East	Svalbarðshreppur	6706	2.760	647	56	3.463	27	0,0%
North East	Langanesbyggð	6709	14.232	5.495	1.640	21.367	170	0,2%
East	Seyðisfjarðarkaupstaður	7000	19.826	4.348	4.556	28.730	228	0,3%
East	Fjarðabyggð	7300	116.447	39.225	14.198	169.870	1.348	1,6%
East	Vopnafjarðarhreppur	7502	22.299	10.966	1.527	34.792	276	0,3%
East	Fljótshreppur	7505	3.845	738	92	4.675	37	0,0%
East	Borgarfjarðarhreppur	7509	4.565	1.034	570	6.169	49	0,1%
East	Breiðdalshreppur	7613	7.593	1.692	755	10.039	80	0,1%
East	Djúpavogshreppur	7617	13.770	3.402	1.440	18.611	148	0,2%
East	Fljótshálsa	7620	92.950	24.416	1.693	119.059	945	1,1%
South	Sveitarfélagið Hornafjörður	7708	60.959	26.008	2.168	89.135	707	0,8%
South	Vestmannaeyjabær	8000	100.843	39.403	11.653	151.899	1.206	1,4%
South	Sveitarfélagið Árborg	8200	182.102	50.491	24.704	257.297	2.042	2,4%
South	Mýrdalshreppur	8508	18.874	3.745	381	23.000	183	0,2%
South	Skafthreppur	8509	21.512	4.074	75	25.661	204	0,2%
South	Ásahreppur	8610	10.231	4.079	-	14.310	114	0,1%
South	Rangárþing eystra	8613	64.753	16.410	1.005	82.168	652	0,8%
South	Rangárþing ytra	8614	62.800	16.228	1.119	80.148	636	0,7%
South	Hrunamannahreppur	8710	34.118	8.631	2.381	45.130	358	0,4%
South	Hveragerðisbær	8716	50.745	10.842	2.056	63.643	505	0,6%
South	Sveitarfélagið Ölfus	8717	55.919	19.116	5.885	80.920	642	0,7%
South	Grímsnes- og Grafingshreppur	8719	82.712	12.275	2.768	97.755	776	0,9%
South	Skeiða- og Gnúpverjahreppur	8720	25.128	11.185	290	36.603	290	0,3%
South	Bláskógabyggð	8721	77.840	11.643	1.102	90.585	719	0,8%
South	Flóahreppur	8722	21.813	4.986	2.244	29.043	231	0,3%
Various*		-	-	-	475.145	475.145	3.771	4,4%
<b>Total</b>			<b>7.793.815</b>	<b>2.281.047</b>	<b>787.317</b>	<b>10.862.179</b>	<b>86.208</b>	<b>100,0%</b>

# Aggregates by Municipalities

## Aggregates by Municipalities



# Exceedance Probability

## Exceedance Probability

Return Period	PML Mean		
	Ground Up - Mean	Gross - Mean	Net of Treaty - Mean
10.000	130.044.692.313	115.970.460.900	115.970.460.900
5.000	115.973.239.813	102.706.536.709	102.706.536.709
2.000	87.592.622.705	76.587.732.477	76.587.732.477
1.000	71.889.296.595	62.112.163.108	62.112.163.108
500	53.059.425.064	45.925.737.950	45.925.737.950
250	28.719.283.708	24.750.809.020	24.750.809.020
200	23.250.704.485	20.059.281.310	20.059.281.310
100	13.295.128.246	11.425.604.944	11.425.604.944
50	7.616.399.459	6.380.774.588	6.380.774.588
20	2.618.886.391	2.157.577.826	2.157.577.826
10	956.840.409	748.102.534	748.102.534
5	156.263.280	98.889.520	98.889.520
2	7.272.367	2.738.743	2.738.743
AAL	745.123.698	613.431.164	613.431.164
STDDEV	4.545.128.869	3.934.360.403	3.934.360.403

