water

Supplementary Materials

To the Article "Quantitative Risk Analysis of Urban Flooding Using 1D/ 2D Hydraulic and FME Models" of Kvitsjøen J.; Karlsson D.; Teigene T.; Finsland W.

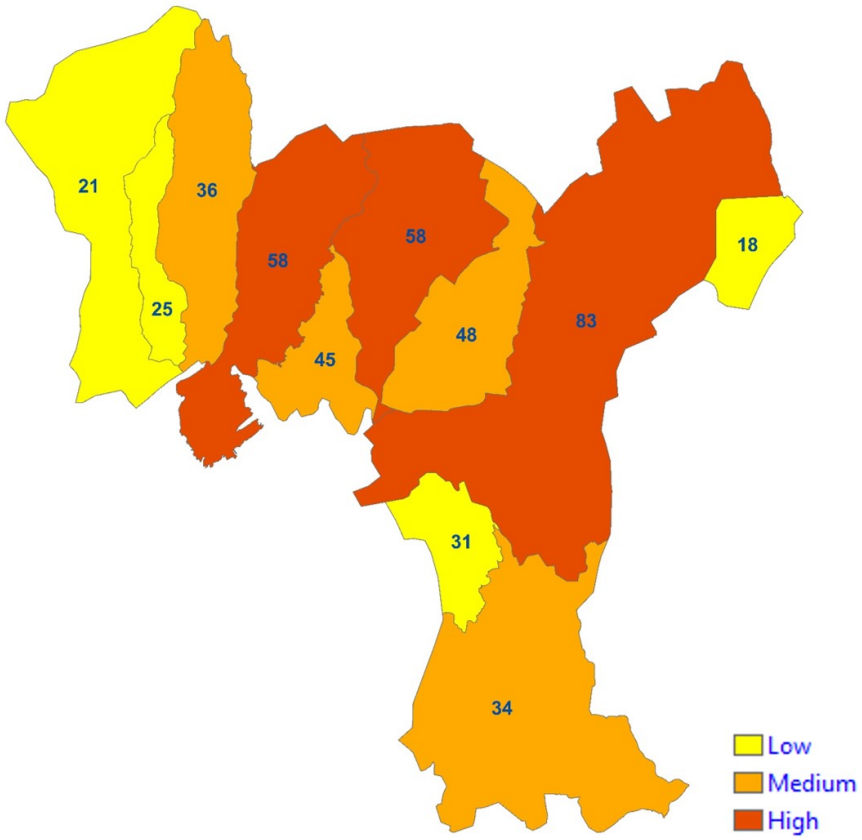


Figure S1. Calculated total risk per main catchment in Oslo at CPH.

Table S1. Distribution of relative risk per main catchment in Oslo for each risk category (RCD1-RCD6) and total risk at CPH.

Main catchment	RCD1 [%]	RCD2 [%]	RCD3 [%]	RCD4 [%]	RCD5 [%]	RCD6 [%]	Total risk [%]
Lysakerelva	45	5	16	21	25	16	21
Mæredalsbekken	27	8	45	14	17	41	25
Hoffselva	46	14	37	29	37	54	36
Frognerelva	51	34	70	62	48	85	58
Bislettbekken	36	33	36	61	23	82	45
Akerselva	48	43	54	75	53	73	58
Hovinbekken	46	30	46	44	41	83	48
Alna	92	76	71	97	100	64	83
Ellingselva	28	3	7	13	17	41	18
Ljanselva Fjord	39	6	40	20	31	50	31
Ljanselva	52	12	26	36	44	32	34

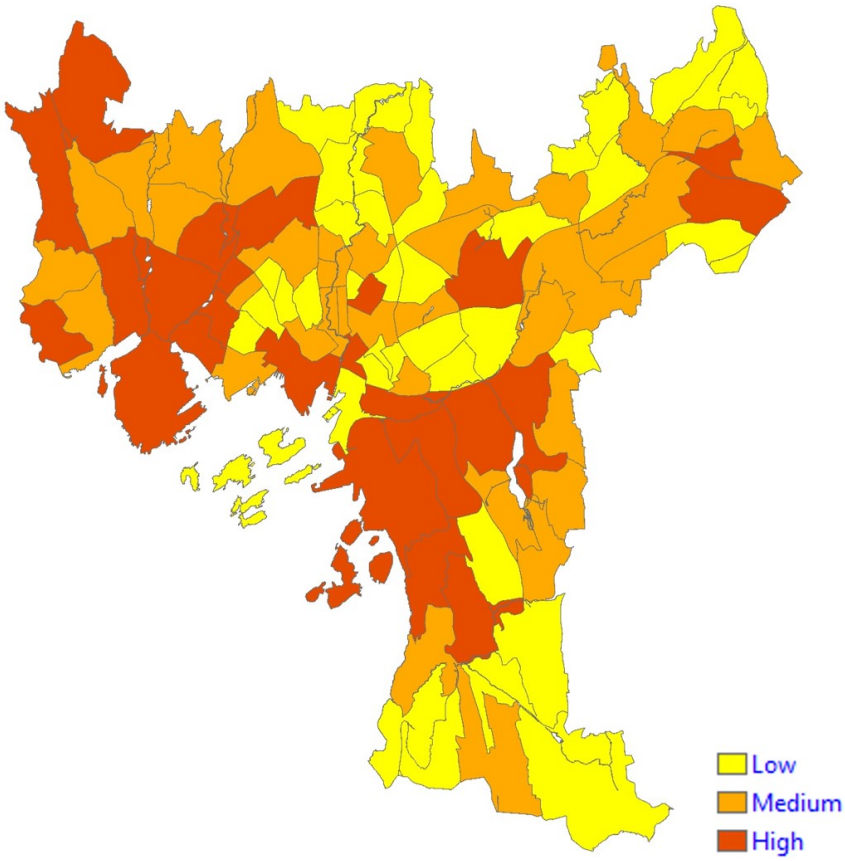


Figure S1. Calculated total risk per administrative district in Oslo at CPH.

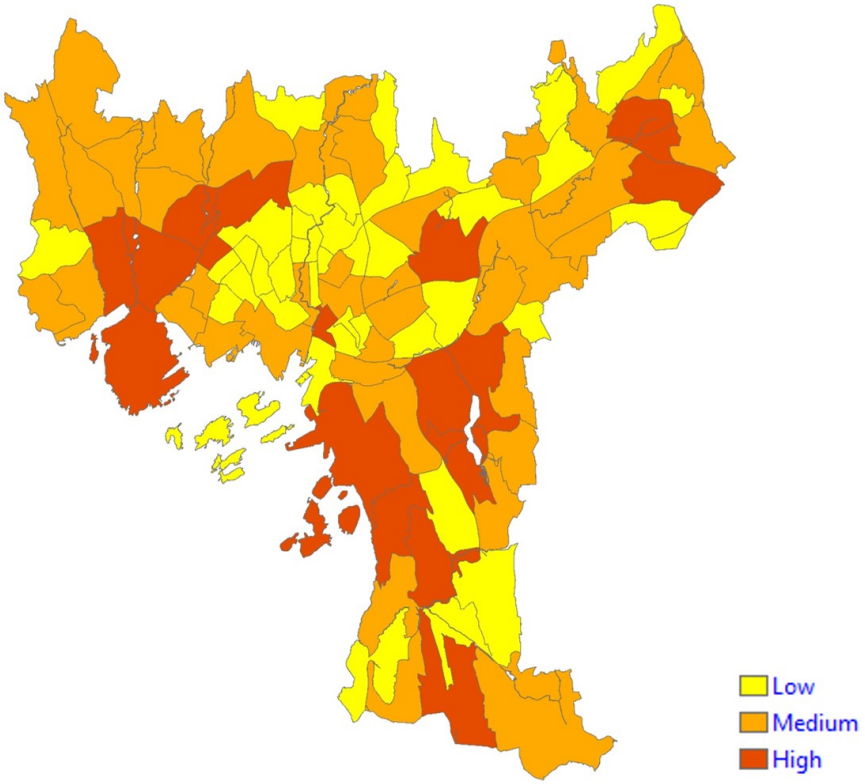


Figure S2. Calculated relative consequence for risk category "Human life and health" (RCD1) per administrative district in Oslo at CPH.

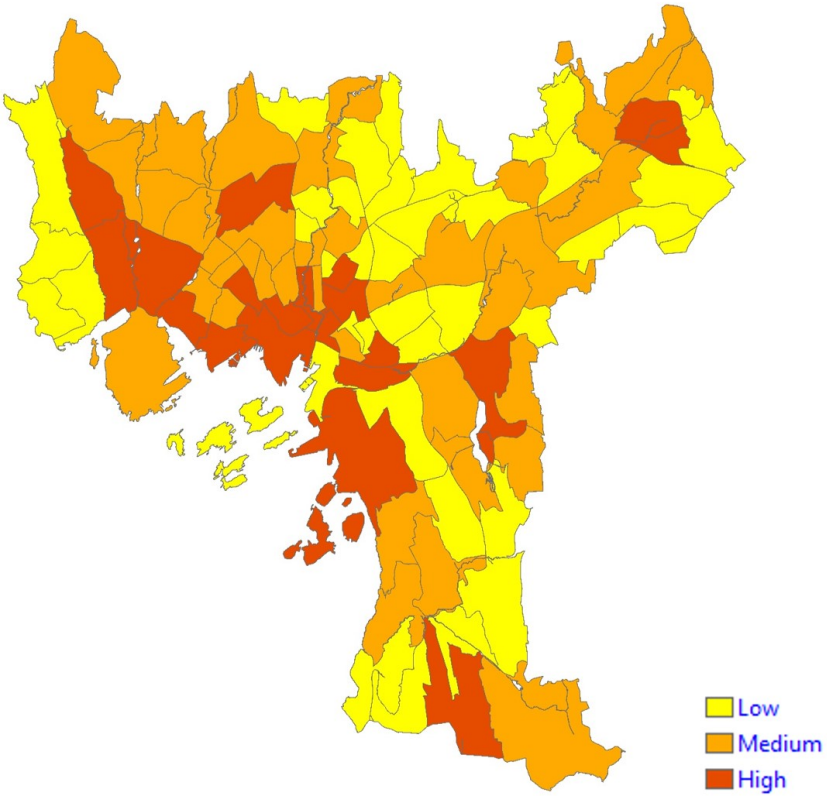


Figure S3. Calculated relative consequence for risk category "Nature and environment" (RCD2) per administrative district in Oslo at CPH.

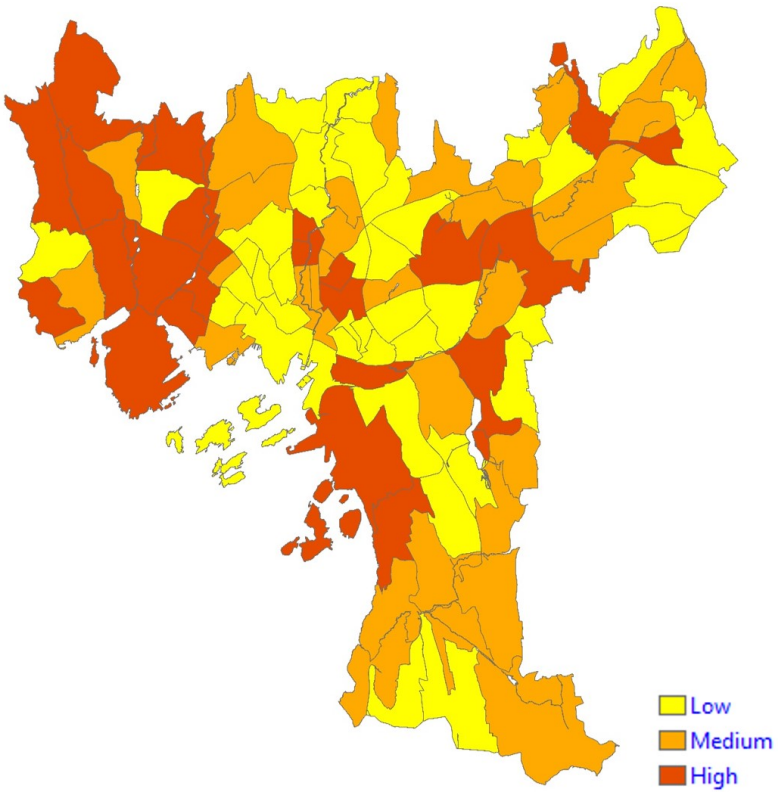


Figure S4. Calculated relative consequence for risk category "Critical infrastructure" (RCD3) per administrative district in Oslo at CPH.

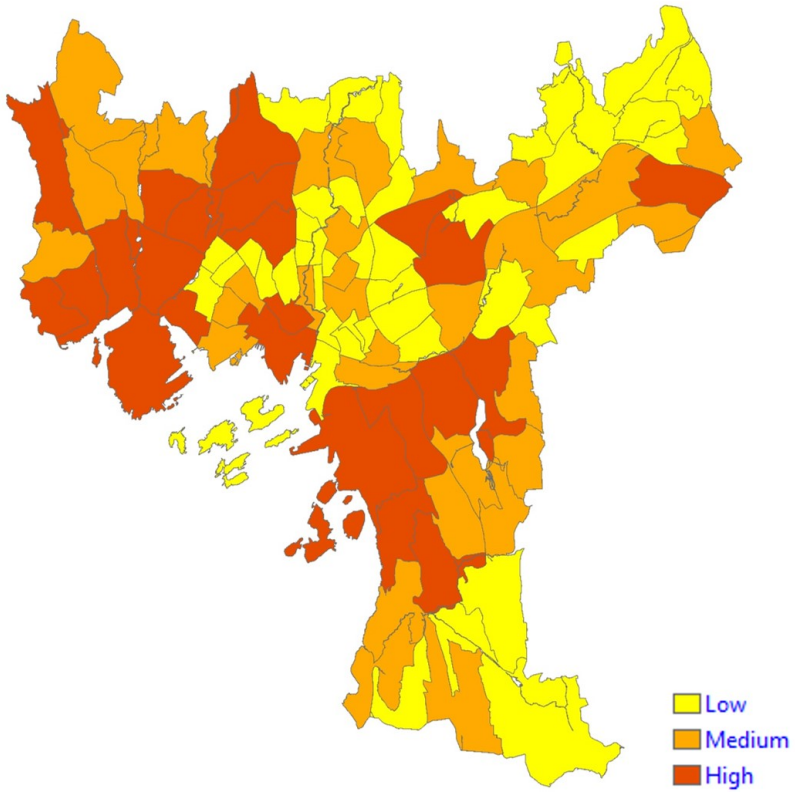


Figure S5. Calculated relative consequence for risk category "Vulnerable social functions" (RCD4) per administrative district in Oslo at CPH.

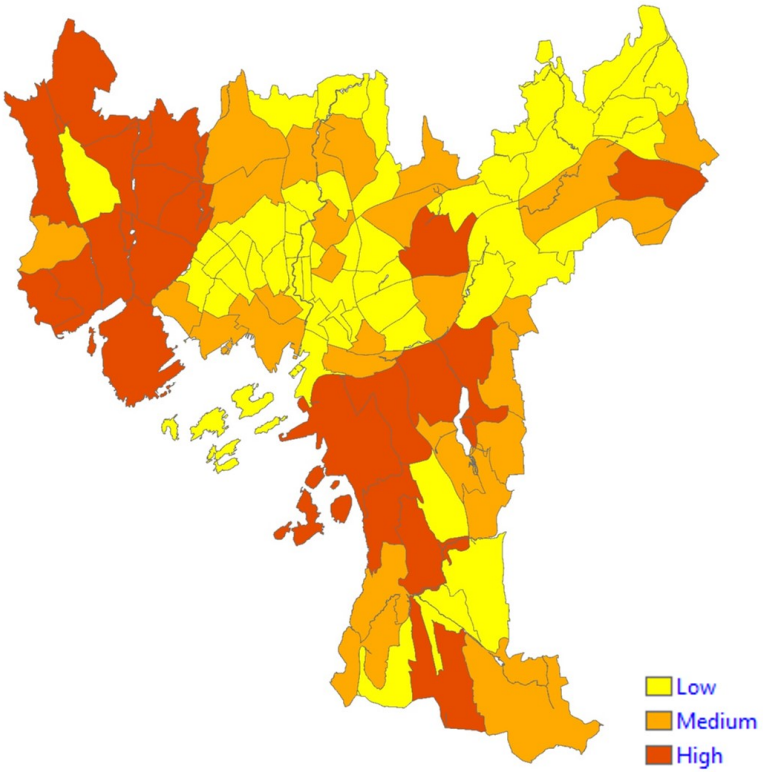


Figure S6. Calculated relative consequence for risk category "Building damage" (RCD5) per administrative district in Oslo at CPH.

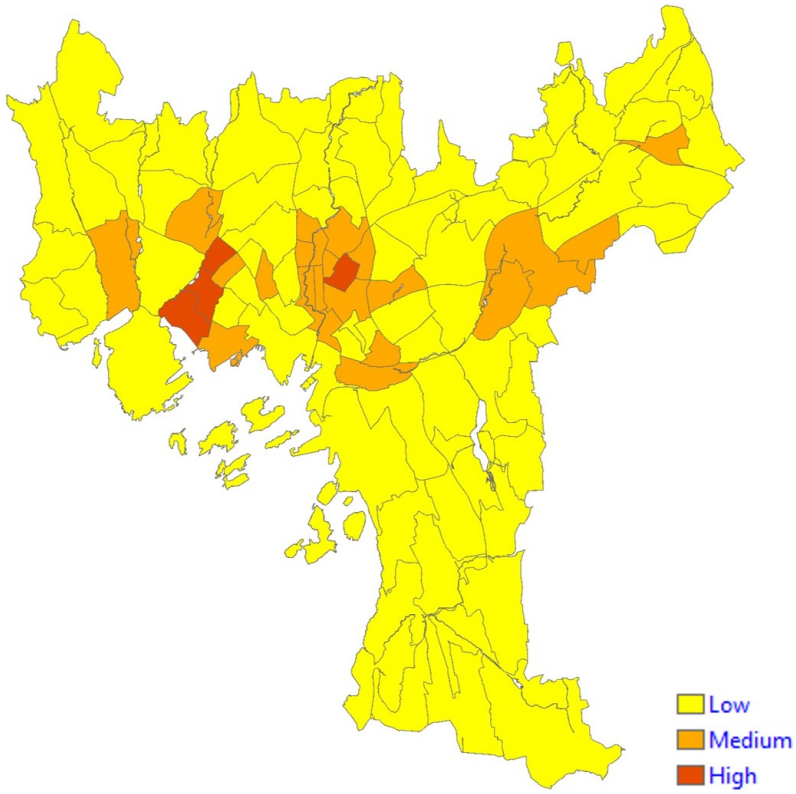


Figure S7. Calculated relative consequence for risk category "Accessibility" (RCD6) per administrative district in Oslo at CPH.

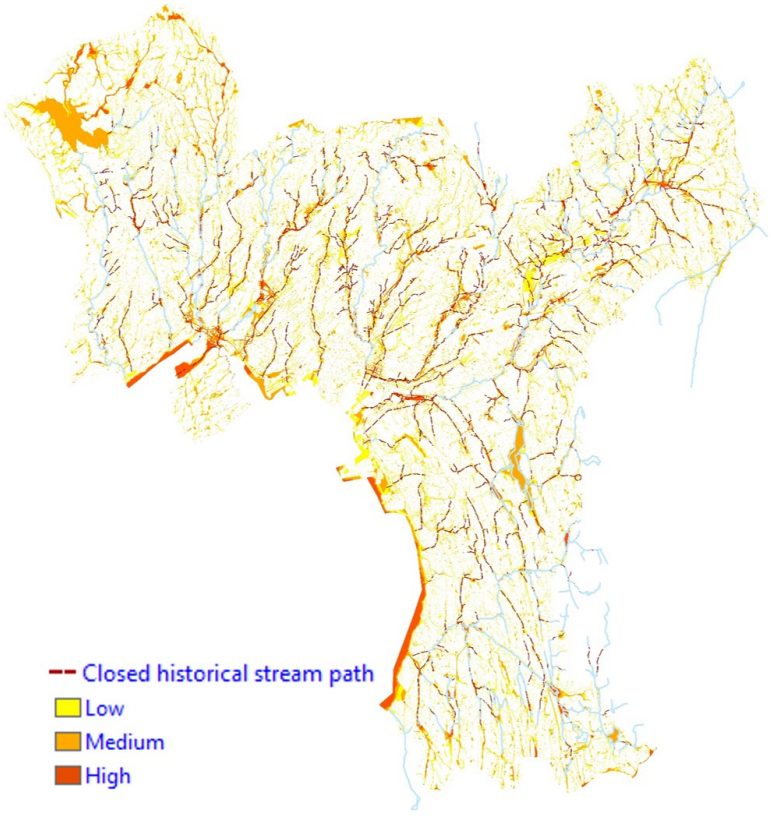


Figure S8. Distribution of risk type "Drowning and instability of humans" along closed historical stream path in Oslo at CPH.

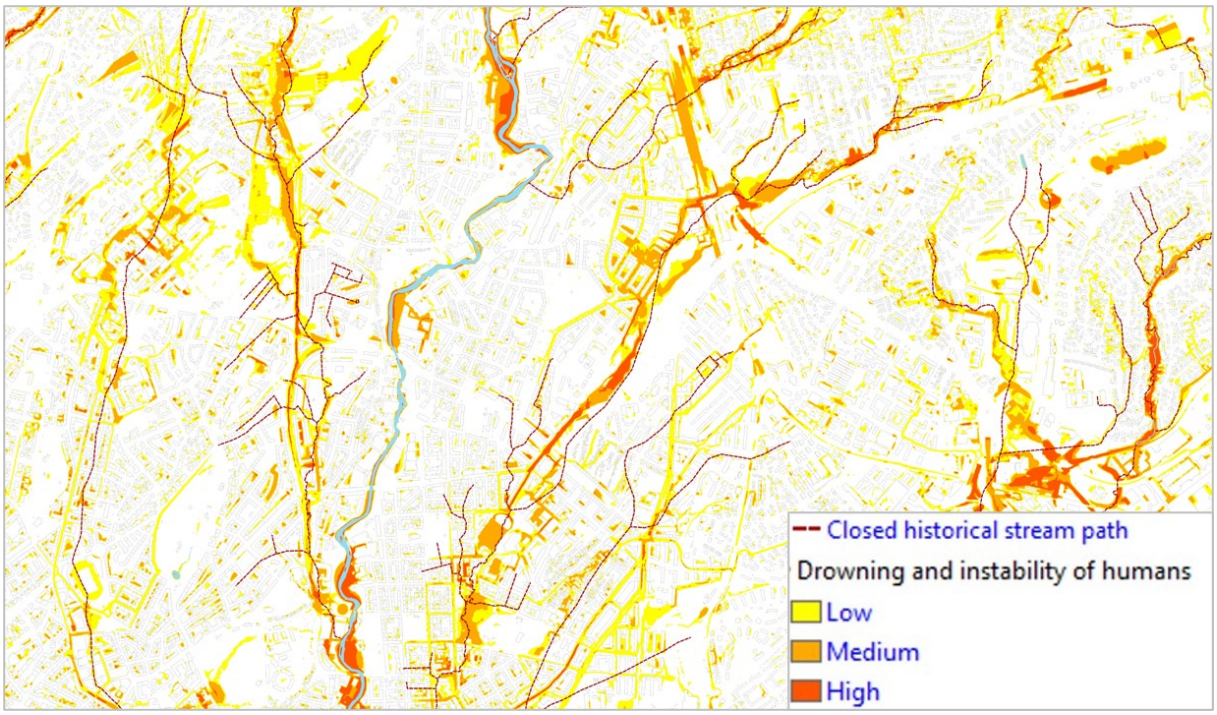


Figure S9. Distribution of risk type "Drowning and instability of humans" along closed historical stream path in Oslo at CPH.

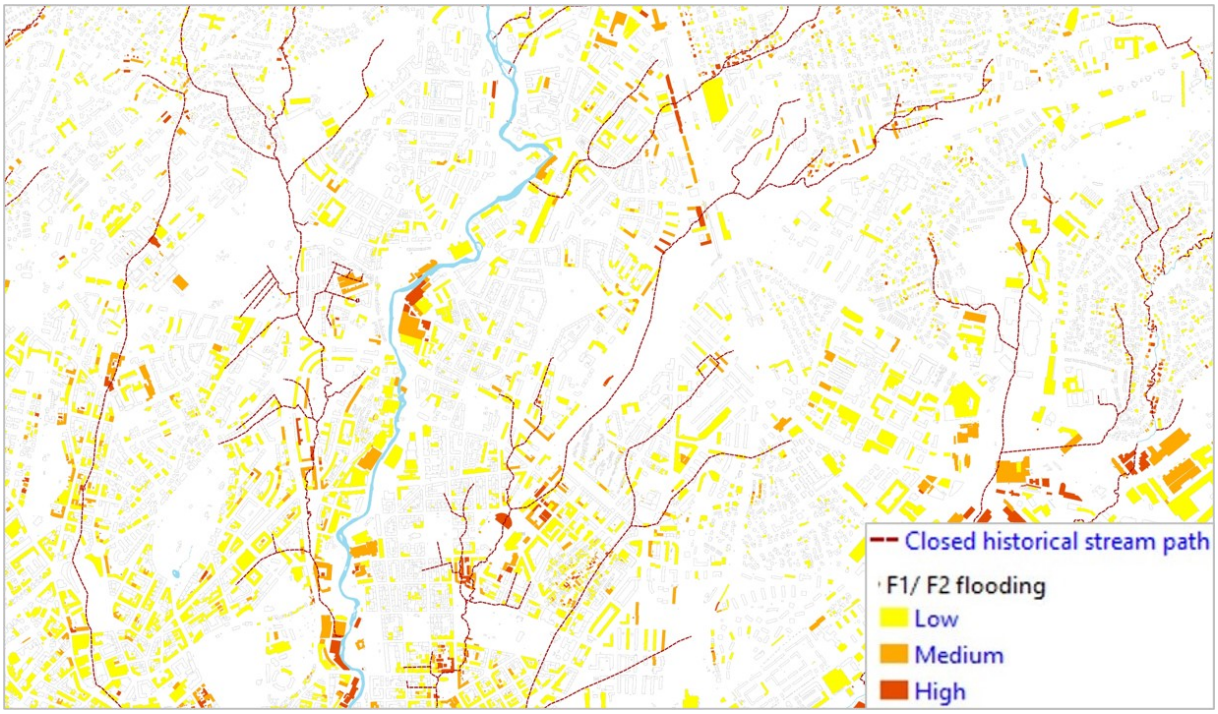


Figure S10. Distribution of risk type "Flooding" along closed historical stream path in Oslo at CPH.

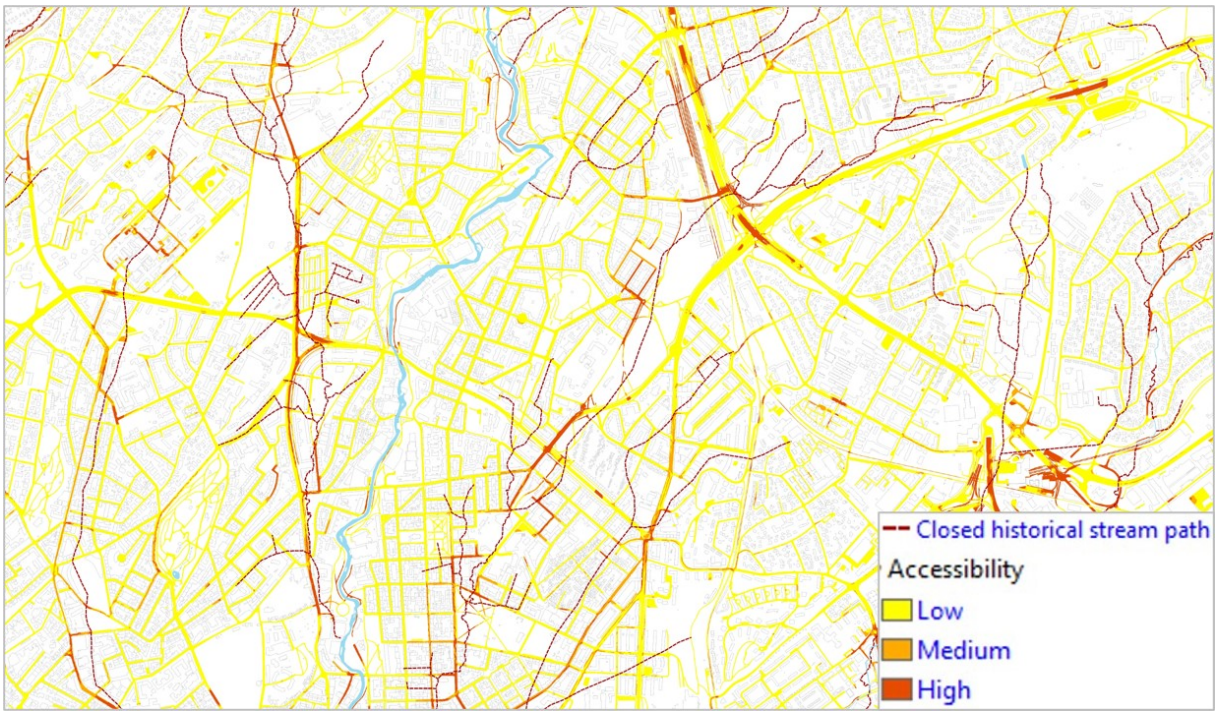


Figure S11. Distribution of risk type "Traffic jam" along closed historical stream path in Oslo at CPH.

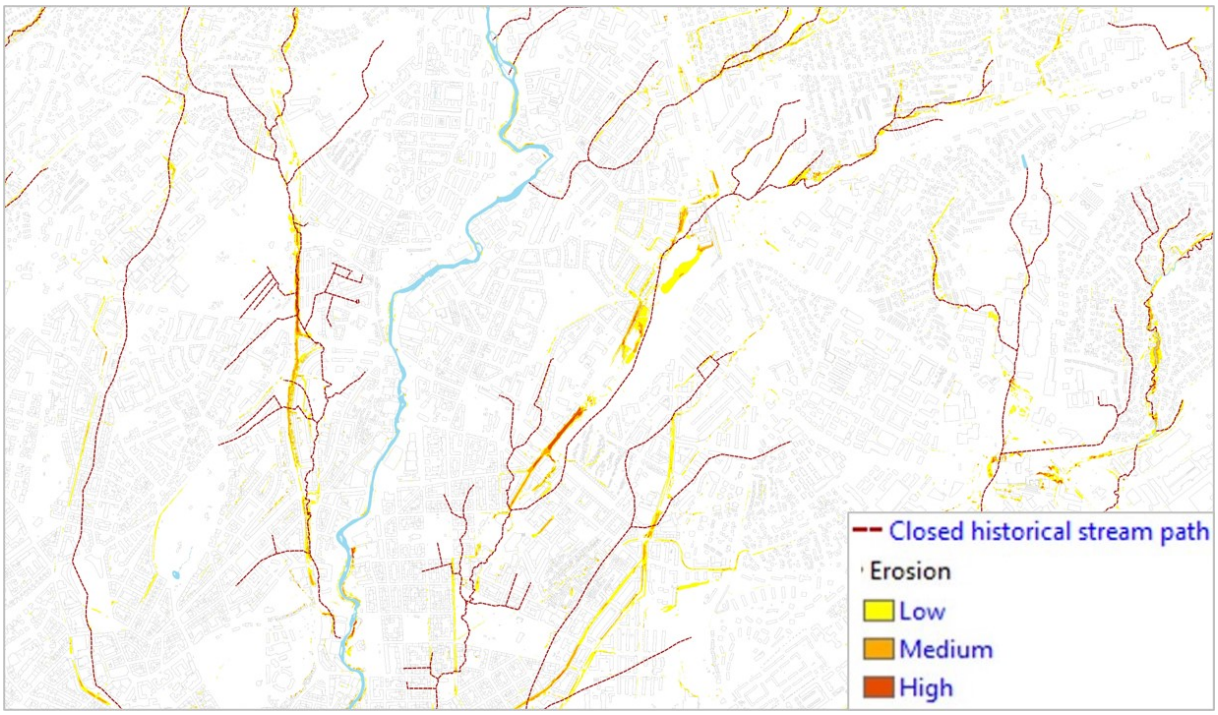


Figure S12. Distribution of risk type "Erosion" along closed historical stream path in Oslo at CPH.

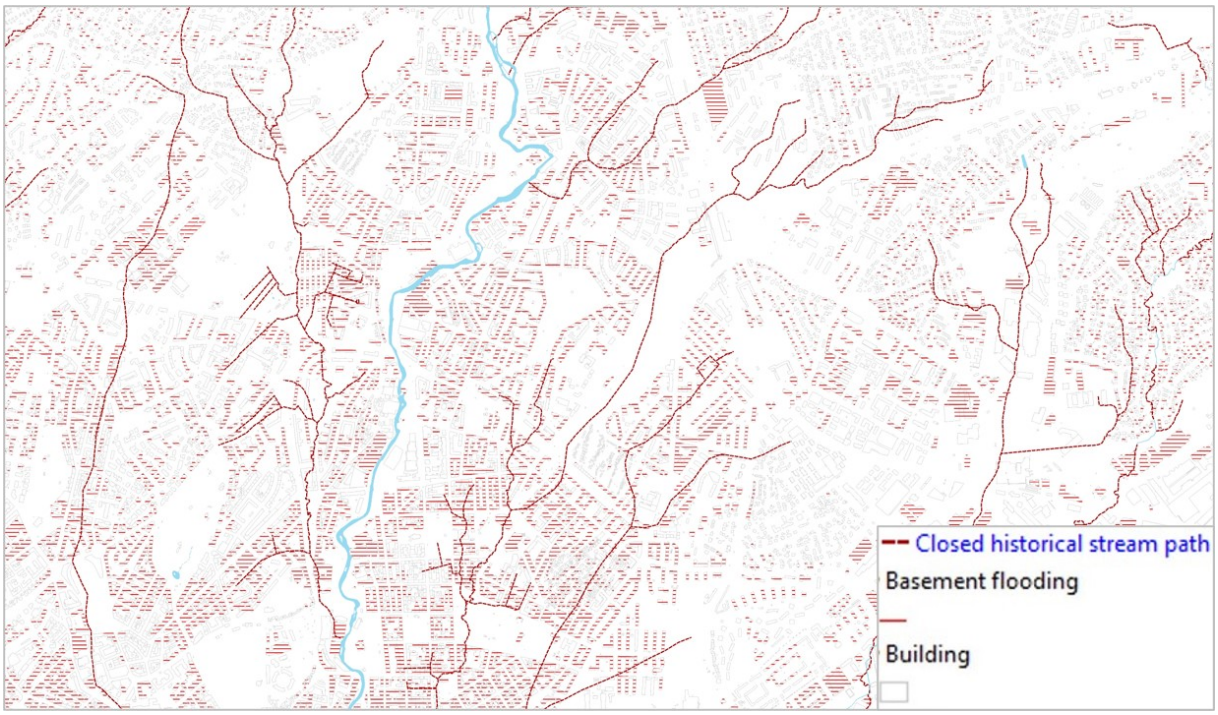


Figure S13. Distribution of risk type "Basement flooding" along closed historical stream path in Oslo at CPH.