

Rapport nr. 90.103	ISSN 0800-3416	Åpen	
Tittel: Geokjemisk kartlegging ved St. Jonsfjorden, Svalbard.			
Forfatter: Gunnar Næss		Oppdragsgiver: SNSK A/S / Norsk Hydro A/S	
Fylke: Svalbard		Kommune:	
Kartbladnavn (M. 1:250 000)		Kartbladnr. og -navn (M. 1:50 000)	
Forekomstens navn og koordinater:		Sidetall: 54	Pris:
		Kartbilag:	
Feltarbeid utført: 25.07.-31.07.88 17.08.-21.08.88	Rapportdato: 01.07.1990	Prosjektnr.: 67.2455.00	Seksjonssjef: <i>Dag Tor Østergaard</i>
Sammendrag: <p>NGU utførte i 1986-87 en regional geokjemisk kartlegging av Svalbard med prøvetaking av "flomsedimenter". Kartleggingen viste klare provinser med geokjemiske anomalier bl.a. på gull. Denne rapporten omhandler oppfølging av en slik provins med prøvetaking av ravineprøver i området rundt St. Jonsfjorden. Det undersøkte området viser flere steder med høye gullverdier. De høye verdier på gull blir fulgt av høye verdier på arsen.</p> <p>Syv prøver i det syd-østlige hjørne av det undersøkte området har titanverdier over 100 ganger høyere enn bakgrunnsverdiene i området. De samme prøvene viser også høye verdier på en rekke andre element.</p>			
Emneord Gull	Geokjemi	Hovedelementer	
Skredmateriale	Sporelementer	Fagrapport	

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INNLEDNING

Norsk Hydro (NH) og Store Norske Spitsbergen Kulkompagni (SNSK) A/S tok 21.05.1986 kontakt med Norges geologiske undersøkelse (NGU) i forbindelse med planlegging av mineralprospektering på Svalbard. NGU fikk i oppdrag av SNSK-NH å utarbeide et kontraktforslag for geokjemisk kartlegging av Spitsbergen. Avtale ble underskrevet 13.12.1986.

NGU utarbeidet en prøvetakingsplan med mulige prøvelokaliteter for "flom-sedimenter" plottet på kart i målestokk 1:500.000 og 1:100.000. Videre instruerte NGU, SNSKs-personell i prøvetakingsteknikk for "flomsedimenter". Feltarbeidet ble gjennomført i august 1986. Prosjektleder var R.T.Ottesen NGU.

Den geokjemiske kartleggingen viste klare provinser med geokjemiske anomalier, og sommeren 1987 ble en del av disse fulgt opp med prøvetaking av skredmateriale og forvittringsjord. Prøvetakingen ble utført av T.Volden NGU. Prøvene er analysert på en rekke elementer og resultatene er beskrevet i NGU-rapportene: nr. 87.055, nr. 87.090, nr. 87.114, nr. 88.002, og nr. 88.096.

Under samtale med Axel Stensrud SNSK i desember 1987 ble geokjemisk seksjon ved NGU bedt om å utarbeide et prosjektforslag for oppfølging av gullanomalier sommeren 1988.

NGU foreslo følgende plan:

1. Prøvetaking av løsmasse i området NØ for Ny Ålesund. Det foreslås å ta ca. 300 prøver.
2. Prøvetaking av løsmasser og sidemorener i Engelskbukta. Det foreslås å ta 50-100 prøver.
3. Prøvetaking av løsmasser ved St. Jonsfjorden. Det foreslås å ta minimum 400 prøver.
4. Oppfølging av punktanomalier. Det foreslås å ta 100 prøver.
 - A) Au i enkeltpunkter i Devon og syd for Ny Ålesund (Sarstangen).
 - B) Kontroll av basemetall-anomalier.

Etter avtale med SNSK ble det bestemt å følge opp de anomale områdene NØ for Ny Ålesund, og ved St. Jonsfjorden, og prøvetakingen ble utført av NGU i juli/-august 1988. Resultatene fra undersøkelsene ved Ny Ålesund er beskrevet i NGU - rapport nr.90.102.

Denne rapporten omhandler resultatene fra undersøkelsene ved St. Jonsfjorden.

METODER

Prøvetaking

Feltarbeidet ble utført i periodene 25.07 - 31.07 og 17.08 - 21.08 1988 av T.E. Finne, J.I. Krog, G. Næss og B. Sieborg. Det ble tatt "bulk" uten sikting i felt. Fra hver lokalitet ble det innsamlet 10-15 kg materiale. Prøvene ble embalert i plastsekker. Prøvepunktene ble plottet direkte på flybilder og senere overført til kart. I området ved St. Jonsfjorden ble det tatt 300 prøver av ras-materiale fra et areal på ca. 630 kvadratkilometer. Helikopter ble brukt både til transport inn til området og til forflytning mellom prøvelokalitetene.

Prøvebehandling

Prøvene ble sendt til NGUs laboratorium i Trondheim. Her ble prøvene tørket. Etter tørrsikting ble ca. 100 gram materiale -2mm splittet ut og benyttet til gullanalyser. Ytterligere 35g ble splittet ut og knust i agatmølle. Disse prøvene ble randomisert ved hjelp av et edb-program før analysering. Dette er gjort for å eliminere virkningen av eventuelle feil eller forurensninger som måtte oppstå under analysearbeidet. For tungmineralseparasjon ble det fra hovedprøven siktet en fraksjon mellom 30 og 100 mesh og en fraksjon -100 mesh.

Analyser

Innholdet av arsen i prøvene er bestemt ved XRF (røntgenfluorescens analyse) i nedknust materiale. Analysene ble utført ved NGUs kjemiske laboratorium.

Innholdet av gull i prøvene er bestemt av ACME Analytical Laboratories Ltd. i Vancouver, Canada. Ca 100 g prøvemateriale -2 mm ble knust ned og 30g av prøven ble forasket ved 600°, kookt i kongevann, ekstrahert over til MIBK-veske og analysert ved atomabsorpsjon i en grafittovn. Følsomhetsgrensen for metoden er 1 ppp.

Det syreløselige innholdet av 29 grunnstoffer er bestemt ved hjelp av ICAP-metoden (inductively coupled argon plasma spectrometry). Analysene ble utført ved NGUs kjemiske laboratorium.

Hovedelementer:

Al (aluminium)	Mg (magnesium)	P (fosfor)
Ca (kalsium)	Mn (mangan)	Si (silisium)
Fe (jern)	Na (natrium)	Ti (titan)

Sporelementer:

Ag (sølv)	Cr (krom)	Pb (bly)
B (bor)	Cu (kopper)	Sc (scandium)
Ba (barium)	La (lanthan)	Sr (strontium)
Be (beryllium)	Li (lithium)	V (vanadium)
Cd (kadmium)	Mo (molybden)	Zn (sink)
Ce (cerium)	Ni (nikkel)	Zr (zirkonium)
Co (kobolt)		

NGUs minerallaboratorium har utført tungmineralvasking av 4 prøver fra området. Siktefraksjonen mellom 30 og 100 mesh og -100 mesh er kjørt på vaskebord og gullhund. Konsentratene fra gullhund ble undersøkt ved hjelp av mikroskop.

Databehandling

Koordinatfesting av alle prøvelokalitetene, som var markert på kart i målestokk 1:100 000 ble utført i UTM-nettets sone 33 ved hjelp av digitalingsutstyr (Calcomp 9100) og registrert på NGUs datamaskin (HP-3000).

Symbolkart og prøvenummerkart er laget ved hjelp av en edb-styrt plotter i målestokk 1:140 000. Symbolkartene har også et diagram som viser den kumulative frekvensfordeling av vedkommende element. Diagrammet har langs den ene aksene antall i % og langs den andre analyseverdier. En prosentavlesning med motsvarende analyseverdi angir hvor mange prosent av prøvene som har lavere elementinnhold enn denne analyseverdien. En vesentlig del av dataarbeidet er utført av J. Ekremsæter NGU.

Kvalitetskontroll

Det er analysert 20 duplikat under ICAP analysene. Disse utgjør 5 % av alle prøvene. Reproduserbarheten er vist både i form av spredningsdiagram (vedlegg nr. 6) og tabell (vedlegg nr. 5).

Gullanalysene ble utført av ACME Analytical Laboratories Ltd. For kontroll av analysene ble det sendt med standarder med kjent gullinnhold. Analysene av standardene stemte godt med gullinnholdet i prøvene som var kjent fra før. Videre ble en del reanalysert på gull ved OMAC Laboratories. Resultatene av analysene viser god overensstemmelse mellom de to laboratoriene.

RESULTATER

Resultatene av de kjemiske analysene er vist med tabeller i vedlegg nr 1 - 4 og med symbolkart i vedlegg 9 -39 Reproduserbarheten av analysene er god, se vedlegg nr 5 og 6. Anslagsvis mineralsammensetning i tungmineralkonsentrat fra utvalgte er vist i vedlegg nr 7.

KONKLUSJON

Preliminært kart over gull ble sendt SNSK i april 1989 og preliminnære kart over arsen og 29 elementer fra ICP -analysene i juli samme år.

Det undersøkte området viser flere steder høye gullverdier på sydsiden av St.Jonsfjorden. De høye verdier på gull bli fulgt av høye verdier på arsen. Syv prøver i det sydøstlige hjørne av det undersøkte området har titanverdier som er over 100 ganger høyere enn bakgrunnsverdiene i området. De samme prøvene viser også høye verdier på Al, Fe, Mg, Mn, P, AG, Co, Cr, Mo, Sc, V og Zr.

Områdene med høye gullverdier og området med de høye titanverdiene bør undersøkes nærmere.

Det anbefales å fortsette undersøkelsene sydover fra Ny Ålesund innenfor Hekla Hoek og forøvrig etter den plan som er skissert i innledningen til rapporten.

Prøvenummer, koordinater, gull i ppb.

PRØVENR	UTM-X	UTM-Y	Ru	ppb	PRØVENR	UTM-X	UTM-Y	Ru	ppb	PRØVENR	UTM-X	UTM-Y	Ru	ppb	PRØVENR	UTM-X	UTM-Y	Ru	ppb										
2001	460.13	8724.20	1	1	2051	443.80	8710.05	3	3	2101	462.75	8719.75	1	1	2151	461.62	8716.73	1	1	2201	450.96	8712.86	1	1	2270	454.52	8725.12	9	9
2002	464.34	8726.86	4	4	2052	444.40	8709.59	1	9	2102	463.56	8718.91	9	9	2152	461.63	8714.48	2	2	2202	452.26	8720.31	3	3	2271	454.12	8725.54	1	1
2003	464.48	8726.83	1	3	2103	465.93	8716.78	6	6	2153	461.06	8714.70	1	1	2203	452.05	8720.53	2	2	2272	453.73	8725.92	2	2	2300	455.48	8720.93	2	2
2004	464.64	8726.74	5	5	2104	465.94	8717.16	4	4	2154	460.37	8714.97	2	2	2204	451.93	8720.93	3	3	2273	453.10	8727.05	3	3	2301	455.06	8721.04	3	3
2005	464.78	8725.85	3	3	2105	466.29	8717.75	1	1	2155	460.23	8714.04	1	1	2205	451.41	8721.59	2	2	2274	452.58	8727.52	3	3	2302	455.48	8720.93	2	2
2006	464.78	8726.12	1	1	2106	467.26	8718.00	2	2	2156	460.24	8714.04	1	1	2206	448.22	8723.68	1	1	2275	454.12	8721.62	1	1	2303	455.06	8721.04	3	3
2007	466.56	8723.57	3	3	2107	467.27	8718.65	1	1	2157	459.64	8713.43	3	3	2207	446.25	8723.51	6	6	2276	445.48	8720.93	2	2	2304	455.48	8720.93	2	2
2008	466.12	8723.49	2	2	2108	463.22	8719.31	1	1	2158	459.22	8713.97	3	3	2208	446.65	8723.55	1	1	2277	445.65	8723.55	1	1	2305	454.29	8719.75	1	1
2009	465.75	8723.57	5	5	2109	463.00	8719.57	1	1	2159	459.11	8714.92	3	3	2209	446.41	8722.77	1	1	2278	446.41	8722.77	1	1	2306	454.29	8719.75	1	1
2010	464.08	8722.73	5	5	2110	462.43	8719.14	1	1	2160	457.40	8716.18	2	2	2210	445.44	8721.99	1	1	2279	445.44	8721.99	1	1	2307	452.80	8722.85	1	1
2011	464.08	8723.07	1	1	2111	461.74	8717.89	3	3	2161	458.54	8714.34	1	1	2211	444.56	8722.18	1	1	2280	444.56	8722.18	1	1	2308	451.99	8724.50	2	2
2012	464.88	8722.14	2	2	2112	461.13	8718.47	1	1	2162	458.83	8713.06	2	2	2212	443.71	8721.91	4	4	2281	443.71	8721.91	4	4	2309	451.83	8725.59	1	1
2013	465.81	8722.05	1	10	2113	466.49	8716.40	1	1	2163	449.76	8713.59	4	4	2213	442.31	8721.61	4	4	2282	442.31	8721.61	4	4	2310	447.38	8725.04	3	3
2014	465.55	8721.20	3	3	2114	467.40	8716.09	4	4	2164	459.01	8712.40	1	1	2214	442.75	8720.51	6	6	2283	442.75	8720.51	6	6	2311	447.38	8725.04	3	3
2015	465.07	8721.12	2	2	2115	465.96	8715.88	2	2	2165	459.22	8713.27	2	2	2215	443.52	8720.62	1	1	2284	443.52	8720.62	1	1	2312	446.56	8725.13	1	1
2016	464.76	8721.05	1	1	2116	465.68	8715.59	3	3	2166	460.09	8712.73	4	4	2216	444.73	8720.59	5	5	2285	444.73	8720.59	5	5	2313	447.38	8725.04	3	3
2017	464.35	8721.30	180	180	2117	465.52	8716.16	3	3	2167	458.31	8712.93	2	2	2217	445.69	8720.51	6	6	2286	445.69	8720.51	6	6	2314	447.38	8725.04	3	3
2018	463.47	8721.68	12	12	2118	462.90	8716.43	1	1	2168	457.95	8713.40	3	3	2218	445.99	8721.01	7	7	2287	445.99	8721.01	7	7	2315	447.38	8725.04	3	3
2019	463.98	8720.87	1	1	2119	464.18	8716.83	1	1	2169	457.35	8713.72	1	1	2219	447.01	8722.26	4	4	2288	447.01	8722.26	4	4	2316	447.38	8725.04	3	3
2020	464.04	8720.54	1	240	2120	462.34	8716.55	4	4	2170	457.31	8714.34	1	1	2220	449.10	8721.69	2	2	2289	449.10	8721.69	2	2	2317	447.38	8725.04	3	3
2021	464.68	8720.36	1	15	2121	456.66	8713.18	15	15	2171	457.10	8714.70	5	5	2221	448.84	8721.12	3	3	2290	448.84	8721.12	3	3	2318	447.38	8725.04	3	3
2022	465.34	8720.35	2	2	2122	458.88	8711.82	2	2	2172	456.96	8715.17	2	2	2222	448.59	8719.92	3	3	2291	448.59	8719.92	3	3	2319	447.38	8725.04	3	3
2023	465.05	8720.38	2	2	2123	458.65	8712.07	1	1	2173	456.41	8715.54	1	1	2223	447.59	8720.58	2	2	2292	447.59	8720.58	2	2	2320	447.38	8725.04	3	3
2024	466.06	8720.43	3	3	2124	453.00	8709.44	6	6	2174	456.34	8714.64	2	2	2224	447.13	8720.19	3	3	2293	447.13	8720.19	3	3	2321	447.38	8725.04	3	3
2025	466.34	8720.63	1	52	2125	454.76	8708.51	2	2	2175	456.42	8713.51	1	1	2225	447.45	8719.92	3	3	2294	447.45	8719.92	3	3	2322	447.38	8725.04	3	3
2026	467.17	8720.73	3	3	2126	454.41	8708.60	4	4	2176	457.51	8712.67	1	1	2226	448.59	8719.92	3	3	2295	448.59	8719.92	3	3	2323	447.38	8725.04	3	3
2027	464.75	8719.74	2	2	2127	454.20	8708.16	3	3	2177	456.18	8712.36	4	4	2227	449.19	8719.40	11	11	2296	449.19	8719.40	11	11	2324	447.38	8725.04	3	3
2028	464.77	8719.51	3	3	2128	454.95	8707.65	4	4	2178	456.36	8710.81	8	8	2228	449.56	8719.53	12	12	2297	449.56	8719.53	12	12	2325	447.38	8725.04	3	3
2029	465.19	8719.35	1	1	2129	454.91	8708.14	4	4	2179	453.84	8712.90	29	29	2229	449.74	8719.96	3	3	2298	449.74	8719.96	3	3	2326	447.38	8725.04	3	3
2030	465.87	8719.15	1	1	2130	454.14	8707.78	8	8	2180	454.30	8713.00	8	8	2230	449.06	8720.48	4	4	2299	449.06	8720.48	4	4	2327	447.38	8725.04	3	3
2031	465.84	8718.89	1	1	2131	454.67	8706.64	11	11	2181	454.89	8713.94	4	4	2231	449.30	8718.90	4	4	2300	449.30	8718.90	4	4	2328	447.38	8725.04	3	3
2032	463.29	8721.93	2	2	2132	454.46	8706.57	35	35	2182	454.96	8713.36	3	3	2232	449.30	8718.90	4	4	2301	449.30	8718.90	4	4	2329	447.38	8725.04	3	3
2033	463.27	8722.23	1	7	2133	454.30	8706.26	8	8	2183	454.01	8714.74	1	1	2233	450.14	8720.90	4	4	2302	450.14	8720.90	4	4	2330	447.38	8725.04	3	3
2034	460.35	8707.16	13	13	2134	463.08	8704.41	3	3	2184	453.85	8714.58	1	1	2234	450.84	8721.21	9	9	2303	450.84	8721.21	9	9	2331	447.38	8725.04	3	3
2035	460.49	8707.61	8	8	2135	463.39	8704.34	2	2	2185	453.85	8714.58	1	1	2235	451.15	8720.26	2	2	2304	451.15	8720.26	2	2	2332	447.38	8725.04	3	3
2036	459.34	8708.11	1	1	2136	463.74	8704.02	1	1	2186	454.29	8713.93	3	3	2236	450.64	8719.84	5	5	2305	450.64	8719.84	5	5	2333	447.38	8725.04	3	3
2037	458.90	8708.35	21	21	2137	463.02	8704.68	1	1	2187	454.26	8713.58	4	4	2237	450.78	8719.20	5	5	2306	450.78	8719.20	5	5	2334	447.38	8725.04	3	3
2038	458.61	8708.11	4	4	2138	463.48	8704.87	1	1	2188	453.62	8714.05	17	17	2238	451.30	8718.90	4	4	2307	451.30	8718.90	4	4	2335	447.38	8725.04	3	3
2039	458.41	8707.71	7	7	2139	464.41	8704.92	2	2	2189	453.41	8714.09	16	16	2239	451.71	8719.55	3	3	2308	451.71	8719.55	3	3	2336	447.38	8725.04	3	3
2040	458.20	8706.54	3	3	2140	463.78	8705.33	2	2	2190	453.47	8713.33	13	13	2240	451.71	8719.55	3	3	2309	451.71	8719.55	3	3	2337	447.38	8725.04	3	3
2041	458.35	8705.99	1	1	2141	448.84	8707.01	4	4	2191	452.78	8713.85	5	5	2241	455.32	8719.70	1	1	2310	455.32	8719.70	1	1	2338	447.38	8725.04	3	3
2042	457.87	8705.81	1	5	2142	448.76	8706.11	4	4	2192	452.78	8713.33	9	9	2242	455.84	8719.88	4	4	2311	455.84	8719.88	4	4	2339	447.38	8725.04	3	3
2043	457.74	8705.42	1	1	2143	448.78	8705.12	1	1	2193	452.19	8713.44	4	4	2243	456.50	8720.33	3	3	2312	456.50	8720.33	3	3	2340	447.38	8725.04	3	3
2044	456.98	8706.03	2	2	2144	448.32	8704.53	4	4	2194	451.45	8713.90	19	19	2244	456.27	8720.78	2	2	2313	456.27	8720.78	2	2	2341	447.38	8725.04	3	3
2045	456.99	8706.38	2	2	2145	442.94	8714.05	8	8	2195	451.12	8714.43	26	26	2245	455.22	8721.74	7	7	2314	4								

XRF-analyser

Prosj. nr.	Prøve- nr.	Koordinater		ppm As
2455	2191	452.96	8713.86	55.0
2455	2067	446.71	8714.30	135.0
2455	2062	444.08	8714.53	51.0
2455	2192	452.78	8713.33	75.0
2455	2073	449.17	8712.09	22.0
2455	2065	445.31	8713.41	81.0
2455	2186	454.27	8713.93	34.0
2455	2179	453.84	8712.90	146.0
2455	2199	449.21	8715.09	66.0
2455	2074	448.92	8712.35	29.0
2455	2200	448.76	8714.58	84.0
2455	2069	446.67	8714.08	91.0
2455	2146	443.05	8713.11	37.0
2455	2182	454.96	8713.36	42.0
2455	2066	446.32	8714.39	74.0
2455	2068	446.80	8713.68	119.0
2455	2188	453.62	8714.05	101.0
2455	2075	450.07	8711.79	38.0
2455	2198	450.09	8714.24	75.0
2455	2193	452.19	8713.44	45.0
2455	2194	451.75	8713.90	75.0
2455	2197	449.43	8714.64	52.0
2455	2181	454.89	8713.94	43.0
2455	2072	449.38	8711.70	41.0
2455	2163	449.76	8713.59	82.0
2455	2196	451.10	8714.91	420.0
2455	2185	453.85	8714.58	32.0
2455	2180	454.30	8713.00	59.0
2455	2187	454.26	8713.58	71.0
2455	2183	454.59	8714.74	40.0
2455	2145	442.94	8714.05	63.0
2455	2061	445.13	8714.97	91.0
2455	2195	451.12	8714.43	110.0
2455	2071	446.79	8713.18	93.0
2455	2060	445.69	8714.29	72.0
2455	2148	444.14	8712.09	15.0
2455	2064	445.10	8713.74	59.0
2455	2147	444.03	8712.55	39.0
2455	2184	454.01	8715.29	31.0
2455	2190	453.47	8713.33	95.0
2455	2189	453.41	8714.09	93.0
2455	2063	444.67	8713.49	89.0
2455	2059	446.14	8713.15	132.0

Prøvenummer, koordinater, analyseresultater, ICAP-analyser.

Prosjekt	Prøve nr.	RAVBRRD	Ravine	Normeprøver	T-up	Uth X	Uth Y	Uth Z	Uth X	Uth Y	Uth Z	Ca	Fe	K	Mg	Mn	Na	P	Si	Ti	Rg	B	Ba	Be	Cd	Ce	Co	Cr	Cu	La	Mo	Ni	Pb	Sc	Sr	V	Zn	Zr				
245	2001					460.13	8724.20	870	2.390	1.590	2.970	1.220	0.025	0.010	0.077	0.011	0.002	1.2	8.8	66.6	7.3	9.3	49.9	9.3	7.3	22.3	30.5	5.9	3.8	19.6	51.5	2.3	42.8	9.0	80.8	7.4						
245	2002					464.34	8726.86	3.050	1.600	3.500	1.750	0.025	0.010	0.077	0.011	0.002	1.1	35.9	107.7	40.7	18.6	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0			
245	2003					464.48	8726.83	3.080	1.580	3.550	1.170	0.180	0.025	0.084	0.015	0.005	1.0	42.4	123.3	7.1	18.9	20.5	18.9	20.5	18.9	20.5	18.9	20.5	18.9	20.5	18.9	20.5	18.9	20.5	18.9	20.5	18.9	20.5	18.9	20.5		
245	2004					464.64	8726.74	3.120	1.900	3.590	1.680	0.190	0.025	0.088	0.008	0.003	1.3	36.7	115.9	6.9	20.7	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	
245	2005					464.78	8725.85	3.350	1.900	3.830	1.130	0.410	0.025	0.085	0.015	0.004	1.4	45.9	115.9	6.9	22.1	21.6	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
245	2006					464.75	8726.12	3.120	1.310	3.500	1.600	0.025	0.085	0.018	0.006	0.005	0.9	38.5	115.5	4.4	19.6	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	
245	2007					466.56	8723.57	3.080	1.930	3.500	2.000	0.025	0.077	0.017	0.058	0.011	1.2	22.5	79.7	4.1	51.3	23.4	48.2	51.3	23.4	48.2	51.3	23.4	48.2	51.3	23.4	48.2	51.3	23.4	48.2	51.3	23.4	48.2	51.3	23.4	48.2	51.3
245	2008					466.12	8723.49	2.790	1.460	3.960	1.560	0.390	0.025	0.086	0.018	0.010	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8
245	2009					465.75	8723.57	2.560	1.600	3.530	1.560	0.025	0.086	0.018	0.010	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4
245	2010					464.08	8722.73	2.710	1.520	3.050	1.950	0.025	0.086	0.018	0.010	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2011					464.67	8723.07	2.460	1.770	3.130	1.530	0.025	0.086	0.018	0.010	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2012					464.88	8722.14	3.220	1.060	3.440	1.720	1.250	0.440	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	
245	2013					465.61	8722.05	2.570	1.960	3.500	1.980	0.390	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2014					465.55	8721.20	2.790	1.960	3.550	1.280	0.710	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2015					465.67	8723.12	2.790	1.960	3.550	1.280	0.710	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2016					464.76	8721.05	3.160	1.900	3.800	1.320	0.025	0.086	0.018	0.010	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2017					464.35	8721.30	3.030	1.420	3.780	1.180	0.600	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2018					465.47	8721.62	1.740	4.970	2.010	3.70	2.640	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2019					463.98	8720.87	3.390	12.950	5.0	1.30	7.680	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2020					464.04	8720.54	2.700	1.400	3.160	1.500	1.230	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2021					464.64	8720.36	1.800	7.070	1.760	1.400	1.730	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2022					465.34	8720.25	1.010	1.110	3.20	6.910	0.810	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2023					465.05	8720.38	4.20	18.900	3.70	1.10	4.460	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2024					466.06	8720.43	2.440	1.510	4.810	2.00	1.090	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2025					466.34	8720.63	2.950	1.790	3.590	1.650	1.400	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2026					467.17	8720.73	2.980	1.530	3.930	1.440	0.440	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2027					464.75	8719.74	2.580	1.040	3.130	1.650	1.140	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2028					464.77	8719.51	1.200	12.730	1.380	2.220	3.360	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	
245	2029					465.19	8719.35	1.450	2.730	2.310	4.20	3.920	0.025	0.086	0.018	1.2	39.3	82.7	6.1	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4	48.2	51.8	23.4												

Prøvenummer, koordinater, analyseresultater, ICAP-analyser.

VRABE00 Ravine - flodnedrenering ICAP

Prøve nr.	UTM X	UTM Y	UTM X	UTM Y	Ca	Fe	K	Hg	Mn	Na	P	Si	Ti	Rg	B	Ba	Be	Cd	Ce	Co	Cr	Cu	La	Li	Mo	Ni	Pb	Sc	Sr	V	Zn	Zr	
245 2163	449.76	8713.59	1.870	1.740	1.370	2.300	0.31	1.300	0.031	0.11	0.054	0.013	0.002	1.7	1.3	56.4	7.8	....	31.4	20.2	24.7	47.0	17.8	28.8	13.4	87.8	19.6	3.7	36.9	22.9	89.8	6.9
245 2164	450.01	8712.40	1.620	1.072	1.510	2.230	0.005	1.300	0.005	0.62	0.180	0.007	....	1.4	1.6	74.7	7.6	....	30.8	22.2	24.4	23.1	18.4	34.3	7.9	10.5	38.1	1.2	41.5	8.8	29.1	5.0
245 2165	450.22	8713.27	2.350	2.700	2.350	5.38	0.110	0.042	0.30	0.30	0.150	0.010	0.050	1.6	9.3	140.0	4.9	....	66.1	22.2	51.4	32.2	37.0	26.8	6.8	55.8	14.9	4.2	110.8	41.4	70.3	6.0
245 2166	450.09	8712.73	2.280	0.042	0.11	2.220	0.042	0.11	0.220	0.013	0.047	0.013	0.001	1.5	8.9	165.5	9.1	....	58.8	26.8	58.7	35.6	32.0	26.1	9.6	59.8	17.9	5.1	83.4	51.3	54.9	6.4
245 2167	450.31	8712.93	3.100	0.059	0.030	1.930	0.750	0.045	0.045	0.045	0.058	0.013	0.001	1.3	....	137.5	8.0	....	16.2	26.7	54.4	58.7	6.0	73.2	8.0	62.2	26.4	3.1	14.9	31.8	86.9	2.9
245 2168	457.95	8713.40	1.700	1.220	0.540	1.750	0.049	0.031	0.140	0.018	0.018	0.018	0.230	2.4	8.1	420.9	6.8	....	86.2	22.6	15.8	49.7	49.5	21.6	8.6	34.1	23.6	4.1	103.5	42.1	78.7	17.8
245 2169	457.35	8713.72	1.720	2.040	0.460	1.170	0.640	0.039	0.028	0.028	0.098	0.016	0.004	1.1	1.4	55.0	5.3	....	51.6	15.8	30.2	27.6	32.4	5.1	5.4	44.2	30.4	2.1	195.6	15.0	70.4	4.1
245 2170	457.31	8713.34	2.390	2.260	0.223	0.880	0.223	0.051	0.120	0.009	0.089	0.011	0.001	1.8	6.4	87.4	7.7	....	46.1	15.6	57.5	23.1	26.4	66.2	8.0	43.8	21.5	3.9	42.4	36.4	68.1	8.0
245 2171	457.10	8714.70	2.420	0.048	0.480	2.10	0.650	0.014	0.059	0.091	0.013	0.013	0.001	1.2	7	79.0	8.5	....	42.5	6.4	28.7	27.6	23.0	71.2	6.5	25.6	20.9	2.1	23.0	13.5	61.6	4.0
245 2172	456.96	8715.17	2.220	0.084	0.800	2.300	0.580	0.019	0.059	0.096	0.008	0.008	0.001	1.3	....	77.2	1.1	....	37.2	8.9	28.1	26.9	20.6	64.0	5.9	29.5	23.0	2.0	25.4	12.7	64.1	3.8
245 2173	456.41	8715.54	2.550	0.610	0.500	2.240	0.960	0.038	0.054	0.130	0.015	0.015	0.029	1.3	2.8	98.5	1.1	....	73.6	20.1	40.5	37.3	18.5	64.0	6.3	22.7	3.4	55.7	25.6	78.0	4.7	
245 2174	456.34	8714.64	2.310	2.260	0.480	2.240	0.690	0.010	0.233	0.100	0.009	0.001	0.001	1.2	3.9	78.8	6.7	....	88.3	16.7	29.9	26.5	51.8	66.3	6.4	19.3	2.2	50.8	17.3	69.4	4.7	
245 2175	456.42	8713.51	2.230	0.088	0.090	2.40	0.630	0.024	0.023	0.067	0.010	0.001	0.001	1.1	1.0	60.9	1.0	....	3.5	12.8	23.3	32.1	41.1	62.5	3.5	19.6	1.3	31.4	9.8	63.3	4.3	
245 2176	457.51	8712.67	2.280	0.072	3.320	1.150	0.690	0.046	0.029	0.054	0.013	0.001	0.001	1.7	....	1.1	4.3	....	44.3	16.3	30.1	26.0	23.9	67.0	3.1	41.0	13.6	1.4	13.1	15.4	66.5	2.4
245 2177	458.18	8712.36	3.220	0.049	0.830	1.140	0.720	0.075	0.052	0.049	0.009	0.009	0.001	1.3	....	1.3	....	....	19.0	28.3	54.6	52.9	12.2	71.4	6.3	61.1	18.3	3.1	12.1	32.1	90.4	2.8
245 2178	458.16	8710.81	1.290	1.110	3.940	0.430	0.420	0.053	0.013	0.160	0.007	0.002	0.002	1.2	8.5	102.7	5.7	....	50.7	19.7	13.3	50.1	29.8	19.4	8.4	37.3	9.7	4.1	63.1	17.5	66.9	18.2
245 2179	453.84	8713.00	1.710	1.310	3.090	2.000	1.390	0.044	0.015	0.059	0.017	0.001	0.001	1.9	2.4	75.4	3.1	1.3	....	17.1	58.5	8.9	37.1	10.6	5.3	31.0	11.6	2.8	46.5	27.6	99.2	3.3
245 2180	454.30	8713.00	0.960	0.300	3.110	3.300	0.200	0.041	0.012	0.099	0.005	0.001	0.001	1.0	3.5	88.1	4.2	....	73.9	15.9	8.9	37.1	39.5	10.6	5.3	31.0	11.6	2.8	46.5	10.4	74.9	6.2
245 2181	454.89	8713.94	0.960	0.380	2.590	1.250	0.041	0.009	0.094	0.021	0.004	0.001	0.004	1.3	5.2	69.9	3.7	....	8.8	12.9	9.2	47.2	18.0	9.8	6.7	34.3	13.3	2.7	415.5	7.7	86.7	7.8
245 2182	454.96	8713.36	1.500	0.040	1.940	2.290	0.028	0.007	0.055	0.022	0.002	0.002	0.002	1.7	7.3	60.8	2.5	....	8.9	8.7	5.3	35.3	19.9	6.4	4.3	22.6	42.0	2.1	308.1	3.7	63.4	5.0
245 2183	454.59	8714.74	1.700	0.280	4.820	2.780	0.480	0.052	0.060	0.100	0.007	0.001	0.001	1.5	3.7	87.8	6.9	....	55.7	21.6	20.9	43.9	40.2	40.5	6.9	53.3	15.5	3.8	48.0	14.3	84.3	7.0
245 2184	454.01	8715.29	1.690	0.450	3.450	2.00	0.610	0.094	0.027	0.110	0.009	0.016	0.016	1.2	4.1	67.6	5.5	....	38.6	25.4	23.7	30.3	20.7	42.1	5.3	63.1	16.7	2.4	39.7	15.8	85.9	5.1
245 2185	453.85	8714.58	1.990	1.840	4.240	2.230	0.414	0.064	0.140	0.010	0.002	0.002	0.002	1.5	1.4	83.8	5.7	....	24.0	6.2	23.9	20.9	16.1	45.3	5.8	22.8	26.8	1.7	144.4	11.4	54.2	4.8
245 2186	454.29	8713.93	3.360	0.590	3.800	1.660	0.380	0.018	0.020	0.040	0.018	0.001	0.001	3.9	49.0	2.2	7.6	2.3	22.3	13.1	3.9	3.9	3.6	17.0	11.9	2.2	508.7	1.7	39.7	4.9
245 2187	454.26	8713.58	0.830	0.420	3.990	1.960	0.033	0.030	0.021	0.090	0.029	0.001	0.001	1.4	8.9	94.4	4.4	....	15.1	13.9	10.6	54.6	19.0	11.1	7.0	43.4	13.1	3.3	228.5	9.5	87.5	12.0
245 2188	453.62	8714.05	0.650	3.420	3.200	0.740	0.033	0.009	0.009	0.110	0.015	0.001	0.001	1.2	8.6	79.5	3.3	1.1	17.0	14.7	14.9	63.2	19.3	6.1	6.4	47.3	18.7	2.7	180.1	5.6	94.6	9.7	
245 2189	453.41	8714.03	0.630	2.880	3.530	2.990	0.720	0.033	0.012	0.100	0.016	0.002	0.002	1.3	4.5	71.1	5.8	....	28.2	15.7	6.9	50.8	19.1	7.6	7.7	41.0	17.5	2.4	177.6	7.1	82.0	8.3
245 2190	453.47	8713.33	1.800	2.590	3.110	2.500	0.030	0.030	0.021	0.090	0.029	0.001	0.001	1.9	10.7	81.9	2.7	....	10.6	17.1	10.0	44.8	12.5	31.0	7.9	38.3	27.0	2.1	199.4	8.1	91.3	6.7
245 2191	452.96	8713.86	1.100	3.810	3.510	2.650	0.620	0.030	0.021	0.090	0.029	0.001	0.001	1.8	4.2	83.6	3.3	3.6	17.0	14.7	14.9	23.2	130.9	1.8	21.8	14.3	101.5	22.3	3.6	21.3	60.3	515.4	6.3
245 2192	452.78	8713.33	1.130	0.780	3.240	2.220	0.630	0.031	0.022	0.067	0.017	0.001	0.001	1.8	6.7	105.6	3.8	1.1	6.9	16.0	28.5	138.3	5.4	30.2	7.2	87.1	24.8	4.2	24.3	36.2	202.0	6.5	
245 2193	452.19	8713.44	1.530	1.000	3.170	2.60	0.820	0.046	0.032	0.082	0.008	0.001	0.001	1.6	6.7	105.6	3.8	1.1	6.9	16.0	28.5	138.3	5.4	30.2	7.2	87.1	24.8	4.2	24.3	36.2	202.0	6.5	
245 2194	451.45	8713.90	1.550	0.490	3.840	2.50	0.890	0.038	0.028	0.067	0.014	0.001	0.001	1.2	4.3	78.2	4.8	....	19.0	13.0	28.3	92.0	11.5	32.1	7.1	63.5	26.1	4.2	21.8	32.7	153.1	5.6
245 2195	451.12	8714.43	1.680	1.010	3.500	3.300	0.710	0.036	0.029	0.091	0.009	0.001	0.001	1.7	6.3	101.5	4.8	2.1	37.5	15.4	33.6	58.4	25.5	23.7	6.9	54.7	37.9	4.7	57.0	34.1	196.4	6.9	
245 2196	451.10	8714.91	1.550	0.480	3.360	2.10	0.780	0.016	0.037	0.095	0.011	0.001	0.001	2.1	....	71.1	10.9	4.6	9.2	13.7	26.5	57.4	8.3	26.8	31.5	65.1	19.8	4.0	20.8	36.5	96.2	8.6
245 2197	449.43	8714.64	1.850	3.230	3.550	2.40	0.940	0.021	0.021	0.071	0.016	0.00																					

Prøvenummer, koordinater, analyseresultater, ICAP-analyser.

Prøvenummer	UTM X	UTM Y	RI	Ca	Fe	K	Hg	Mn	Na	P	S1	Ti	Rg	B	Ba	Be	Cd	Ce	Co	Cr	Cu	La	Li	Mo	Ni	Pb	Sc	Sr	V	Zn	Zr
245 2236	445.679	8720.51	1.920	1.240	2.820	1.340	1.550	0.036	0.010	0.059	0.008	0.003	1.5	6.6	82.1	4.1	.....	37.4	13.7	72.0	26.6	25.0	23.1	5.5	77.8	13.2	3.8	17.1	25.5	58.1	4.1
245 2237	445.997	8721.01	1.060	1.120	1.980	2.270	0.610	0.053	0.010	0.053	0.014	0.006	1.6	5.8	62.2	2.5	.....	34.6	8.3	13.1	22.0	20.2	9.3	3.5	17.0	9.8	2.8	4.8	15.8	26.0	2.6
245 2238	447.01	8722.26	1.610	1.530	1.750	5.470	0.031	0.015	0.210	0.033	0.005	0.005	1.6	7.4	31.9	2.2	.....	.....	6.5	7.8	40.1	13.6	7.6	11.5	20.6	1.5	11.4	12.9	28.2	7.2	
245 2239	447.90	8722.56	5.70	6.850	2.190	3.600	2.610	0.025	0.009	0.240	0.022	0.004	9	9.0	27.6	3.1	.....	.....	8.6	9.3	42.4	15.0	8.1	8.5	27.1	2.8	141.5	8.6	62.2	12.1	
245 2240	449.10	8721.69	1.060	5.190	2.080	3.300	0.860	0.028	0.012	0.096	0.018	0.001	7	11.8	78.4	2.6	.....	33.8	9.5	8.2	27.7	30.4	15.0	3.4	17.9	16.8	2.8	268.4	8.6	44.3	5.2
245 2241	448.84	8721.12	1.350	4.150	2.460	3.860	0.590	0.046	0.011	0.085	0.006	0.001	1.2	5.5	86.9	3.5	.....	42.3	11.2	11.3	24.1	29.5	18.0	5.2	21.8	10.2	3.4	251.8	14.2	45.2	4.6
245 2242	447.95	8720.66	1.770	3.980	3.240	5.100	1.330	0.034	0.009	0.110	0.033	0.006	1.5	7.7	115.4	4.6	2.0	41.5	29.4	18.1	55.9	25.0	15.1	6.6	38.8	24.6	4.5	24.9	34.5	47.0	2.4
245 2243	447.59	8720.53	6.70	10.300	1.250	2.200	0.630	0.028	0.010	0.094	0.023	0.005	1.0	5.7	48.3	1.8	.....	.....	5.7	7.8	17.4	11.5	7.9	7.1	12.0	9.5	1.9	256.1	12.0	14.0	2.6
245 2244	447.13	8720.19	9.60	11.630	1.590	3.320	0.990	0.039	0.008	0.089	0.020	0.002	.....	8.3	61.9	2.3	.....	.....	7.7	10.3	28.8	20.7	13.5	4.6	20.9	11.6	2.9	584.1	8.8	42.7	4.9
245 2245	447.45	8719.37	1.100	8.290	3.300	3.310	1.310	0.043	0.011	1.000	0.023	0.003	1.0	6.7	73.8	3.1	.....	8.7	10.3	9.9	31.3	25.8	16.5	6.9	23.2	9.5	3.1	403.1	11.5	51.9	6.3
245 2246	448.59	8719.78	5.80	7.800	2.780	2.280	0.036	0.013	0.067	0.019	.....	.....	8	2.1	53.7	4.0	.....	32.8	13.8	5.3	34.0	18.5	11.6	5.9	27.8	19.0	2.3	18.7	5.0	58.9	3.4
245 2247	449.19	8719.40	9.70	9.900	2.510	3.500	3.100	0.050	0.013	0.055	0.009	0.001	8	5.2	71.4	2.6	.....	55.3	9.6	7.8	26.1	29.7	12.9	4.1	18.7	9.8	2.2	22.5	9.1	53.8	2.7
245 2248	449.56	8719.63	1.020	1.870	2.850	3.700	0.420	0.048	0.014	0.070	0.012	0.001	9	4.7	75.9	3.7	.....	49.6	12.4	8.4	34.5	27.1	13.2	4.8	26.8	8.4	2.6	73.7	10.1	56.8	4.4
245 2249	449.74	8719.36	9.60	7.810	2.020	2.990	0.760	0.053	0.011	0.076	0.013	0.001	8	4.4	68.1	3.4	.....	64.3	13.4	10.8	33.3	34.2	14.8	5.2	27.5	12.1	2.1	12.0	11.8	56.4	2.8
245 2250	449.06	8720.48	1.260	1.180	2.870	3.900	0.420	0.043	0.014	0.062	0.007	0.001	8	5.6	82.7	3.3	.....	54.3	7.7	6.8	31.4	19.9	9.4	6.5	19.9	13.6	2.8	833.7	7.6	41.8	5.4
245 2251	449.31	8721.42	7.730	13.960	1.660	3.000	0.290	0.043	0.008	0.079	0.010	0.001	8	7.5	55.5	2.8	.....	.....	7.7	6.8	31.4	19.9	9.4	6.5	19.9	13.6	2.8	833.7	7.6	41.8	5.4
245 2252	450.20	8721.50	4.50	20.360	9.900	2.100	4.300	0.035	0.009	0.056	0.040	0.002	1.0	13.3	39.2	1.1	2.0	6.0	4.8	5.1	13.0	12.8	7.7	5.6	12.5	15.1	2.4	1100.0	2.1	19.9	2.1
245 2253	450.14	8720.90	1.030	6.750	1.990	3.000	4.000	0.040	0.011	0.073	0.015	0.002	8	8.1	72.5	4.1	.....	29.0	8.3	8.1	20.9	28.7	14.0	5.0	16.8	5.1	3.0	385.7	10.3	42.0	4.1
245 2254	450.84	8721.21	8.40	8.030	2.800	3.100	2.660	0.043	0.011	1.110	0.008	0.001	1.1	7.1	78.6	3.7	.....	19.8	9.5	7.5	31.5	26.4	11.0	6.1	19.5	10.6	3.4	492.1	10.1	50.8	6.2
245 2255	451.15	8720.26	1.080	10.540	2.110	3.400	4.800	0.047	0.011	0.090	0.011	0.002	1.0	6.4	85.9	3.7	.....	5.1	8.9	9.1	28.8	28.5	14.4	6.1	19.4	13.7	3.5	636.8	11.8	53.7	6.1
245 2256	450.64	8719.84	1.030	2.750	2.700	4.100	2.700	0.046	0.018	0.092	0.010	0.001	9	9.8	82.9	2.9	.....	53.3	12.9	9.1	40.9	33.0	12.8	4.5	26.5	12.2	3.1	149.3	11.6	64.2	5.0
245 2257	450.87	8719.20	1.400	6.150	2.190	5.600	6.010	0.047	0.011	1.110	0.009	0.003	8	10.5	82.4	3.6	.....	18.6	10.7	11.9	42.1	25.9	17.9	5.0	28.4	71.3	3.3	324.7	15.3	54.6	8.9
245 2258	451.30	8718.99	1.180	7.300	1.970	4.200	6.860	0.043	0.009	1.000	0.017	0.006	9	14.0	58.1	3.5	.....	12.3	9.3	12.0	37.9	21.5	16.2	4.4	26.4	7.6	2.9	429.1	13.3	51.6	7.1
245 2259	451.71	8719.59	1.560	4.210	2.230	5.710	7.660	0.050	0.010	1.120	0.011	0.005	6	9.8	84.7	4.3	.....	34.6	10.6	16.3	46.1	28.1	18.3	4.0	30.6	6.5	3.3	251.5	16.4	59.3	8.0
245 2260	454.73	8719.38	2.400	2.790	4.030	2.560	2.800	0.068	0.010	1.300	0.016	0.130	2.1	8.5	102.5	5.6	.....	55.5	11.2	49.8	48.8	42.0	33.2	6.1	63.1	12.4	4.8	202.1	45.9	95.4	15.6
245 2261	455.32	8719.70	1.530	2.560	3.740	2.100	5.400	0.028	0.041	0.065	0.011	.....	1.6	4.4	53.0	5.0	.....	43.4	11.5	16.9	37.5	30.1	38.4	6.8	31.4	19.4	2.7	134.3	10.2	77.2	5.6
245 2262	455.84	8718.88	9.30	6.650	2.070	3.700	1.200	0.035	0.013	0.074	0.020	0.003	7	9.7	60.9	4.0	.....	22.4	9.4	8.5	33.9	27.3	9.4	5.3	26.3	11.5	2.2	286.5	8.1	38.8	8.0
245 2263	456.50	8720.33	1.410	6.050	2.600	4.400	1.820	0.060	0.012	1.110	0.018	0.004	1.0	15.3	142.1	4.7	.....	20.4	14.2	18.7	66.5	25.7	21.3	6.0	44.2	14.0	3.1	309.2	16.0	88.3	10.7
245 2264	456.27	8720.78	9.10	7.810	1.900	5.000	1.200	0.033	0.011	0.088	0.010	0.003	7	13.7	66.4	2.4	.....	.....	8.4	10.2	48.9	17.1	1.4	4.9	26.7	.....	2.6	339.9	9.3	51.0	8.4
245 2265	455.58	8721.74	2.450	2.250	3.410	5.400	2.170	0.067	0.012	0.072	0.014	0.005	1.7	11.7	93.1	5.6	.....	63.1	17.8	33.3	61.4	42.1	42.6	8.3	46.6	21.6	4.0	96.9	30.3	76.3	21.7
245 2266	455.22	8723.26	1.380	12.430	1.920	5.300	8.800	0.035	0.015	1.160	0.013	0.003	7	13.7	99.7	2.6	.....	.....	10.2	21.0	56.6	19.0	16.8	4.7	37.3	10.4	2.8	680.1	12.8	69.8	11.3
245 2267	454.93	8723.91	2.800	3.420	2.530	3.420	2.980	0.051	0.011	0.084	0.015	0.010	1.4	18.7	123.3	6	.....	34.5	15.4	34.5	60.1	28.4	45.7	9.6	35.7	11.1	5.7	140.8	48.1	49.2	22.2
245 2268	454.73	8724.31	1.450	7.950	2.680	5.700	8.800	0.044	0.010	1.200	0.010	0.006	1.3	14.3	111.2	4.3	.....	5.9	13.8	19.9	82.2	23.1	15.1	6.2	17.7	3.5	390.6	17.0	84.4	12.4	
245 2269	454.78	8724.76	2.570	1.950	3.680	5.900	1.800	0.055	0.019	0.072	0.011	0.003	1.2	11.3	76.3	4.7	.....	69.1	19.7	33.9	67.2	47.2	50.4	7.3	45.3	15.8	4.2	87.5	34.2	86.4	25.5
245 2270	454.32	8725.12	2.130	9.200	1.760	6.900	1.970	0.024	0.010	0.067	0.014	0.009	1.0	17.0	144.4	3.1	.....	.....	10.7	28.2	48.0	23.5	28.8	5.1	19.1	7.9	4.0	533.3	35.4	39.1	19.4
245 2271	454.12	8725.54	1.470	2.540	2.650	2.860	1.910	0.031	0.013	0.085	0.008	0.002	1.2	5.5	4.4	3.6	.....	36.8	9.6	12.7	23.6	25.0	16.4	4.2	16.8	33.0	2.9	33.6	15.7	101.2</	

Prøvenummer, koordinater, analyseresultater, ICAP-analyser.

Prøve nr.	Stasjon nr.	UTM X km	UTM Y km	ICAP RI	Ca %	Fe %	K %	Hg %	Mn %	Na %	P %	Si %	Ti %	Hg ppm	B ppm	Ba ppm	Be ppm	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	La ppm	Li ppm	Mo ppm	Ni ppm	Pb ppm	Sc ppm	Sr ppm	V ppm	Zn ppm	Zr ppm		
245	2362	448.03	8726.28	730	19.310	1.190	0.338	1.070	0.113	0.010	0.180	0.029	0.005	1.0	11.5	40.4	1.9	2.0	6.0	6.4	8.8	21.9	11.4	11.0	6.1	17.1	10.0	2.1	921.6	6.7	49.1	6.4		
245	2363	447.02	8726.24	1.110	11.530	1.850	0.360	0.700	0.031	0.010	0.090	0.016	0.002	0.001	8.4	66.3	3.0	0.001	0.001	0.001	7.1	8.7	21.4	18.8	17.4	4.8	15.3	13.3	3.4	616.7	10.1	39.4	3.7	
245	2364	447.50	8726.51	800	14.790	1.470	0.270	0.590	0.034	0.009	0.079	0.009	0.001	0.001	7.4	50.6	2.3	0.001	0.001	0.001	5.5	7.1	16.3	18.9	11.9	4.9	11.4	17.0	3.2	865.3	6.6	26.7	2.8	
245	2365	447.94	8726.72	640	15.880	1.100	0.310	0.650	0.018	0.007	0.100	0.027	0.002	0.002	4.5	36.7	1.3	0.001	0.001	0.001	4.4	5.0	18.7	10.6	14.4	4.8	13.3	8.3	2.3	970.1	5.0	23.6	3.4	
245	2366	448.07	8727.27	1700	8.780	1.810	0.450	1.140	0.030	0.012	0.100	0.021	0.004	1.1	16.7	57.0	3.6	0.001	0.001	0.001	8.3	16.2	37.6	22.4	31.5	7.3	22.1	0.001	3.9	382.9	24.9	36.8	16.0	
245	2367	447.72	8727.36	1020	16.290	1.130	0.480	2.700	0.014	0.013	0.140	0.030	0.004	1.0	12.5	43.9	2.0	2.0	6.0	7.0	12.4	25.9	14.6	18.6	7.0	15.4	10.5	2.6	965.2	11.9	27.7	9.0		
245	2368	447.20	8726.91	820	14.440	1.290	0.260	2.180	0.029	0.016	0.068	0.014	0.001	0.001	5.5	38.6	0.001	0.001	0.001	5.1	8.5	22.3	16.5	17.4	5.2	14.5	10.3	2.6	649.2	9.3	30.3	5.5		
245	2369	447.69	8727.73	1480	15.210	1.770	0.180	0.620	0.021	0.084	0.053	0.013	0.001	0.6	6.4	71.6	0.001	0.001	0.001	7.9	18.5	27.9	34.2	36.4	6.5	22.4	11.6	4.2	1300.0	19.5	42.5	19.5		
245	2370	448.25	8728.05	430	13.610	0.940	0.190	0.750	0.029	0.012	0.083	0.022	0.001	1.4	8.8	40.8	1.6	0.001	0.001	0.001	9.0	4.6	20.5	11.3	6.1	11.5	13.9	1.8	190.0	11.8	10.3	7.9		
245	2371	448.47	8727.90	990	10.840	1.700	0.480	0.280	0.017	0.009	0.210	0.016	0.002	0.8	13.5	48.5	2.8	0.001	0.001	0.001	10.5	8.7	51.7	16.2	11.8	4.7	12.4	2.9	617.5	8.8	56.5	14.5		
245	2372	449.51	8729.70	1.110	3.330	2.790	0.600	1.520	0.043	0.022	0.130	0.013	0.005	1.2	21.4	75.6	4.3	0.001	0.001	0.001	27.4	10.6	13.0	71.2	22.1	7.5	37.0	21.8	3.4	132.5	14.1	54.8	13.0	
245	2373	449.79	8729.51	1.330	2.140	3.490	0.650	1.290	0.045	0.036	0.120	0.010	0.005	1.3	19.7	77.3	6.3	0.001	0.001	0.001	14.1	15.9	84.5	22.8	12.6	9.7	39.8	28.2	4.1	140.2	16.8	57.1	14.9	
245	2374	450.54	8729.00	1.350	2.170	4.560	0.570	0.390	0.190	0.009	0.250	0.009	0.002	1.7	11.8	43.1	5.7	0.001	0.001	0.001	49.9	25.3	13.0	169.8	25.2	9.0	71.8	33.9	5.4	791.9	18.4	51.0	23.3	
245	2375	451.05	8728.82	2.300	3.310	3.300	0.560	1.920	0.074	0.021	0.190	0.014	0.004	1.4	12.4	94.5	5.1	0.001	0.001	0.001	74.8	16.8	40.8	45.7	28.4	5.6	79.8	9.5	4.3	168.8	20.6	127.9	12.6	
245	2376	451.38	8728.91	2.580	0.970	2.850	0.600	1.920	0.035	0.014	0.120	0.022	0.003	1.0	9.5	91.4	3.4	0.001	0.001	0.001	52.7	26.3	38.7	79.8	37.2	27.1	3.0	70.6	3.3	54.9	18.3	57.6	9.0	
245	2377	450.62	8729.45	2.010	2.490	2.130	0.390	1.740	0.032	0.010	0.085	0.018	0.002	1.2	7.4	169.4	4.3	0.001	0.001	0.001	15.1	29.9	52.3	49.2	22.9	4.5	55.7	0.001	2.3	140.0	13.6	76.2	7.6	
245	2378	457.01	8721.35	1.370	0.040	4.740	0.230	0.260	0.015	0.043	0.130	0.013	0.001	0.6	4.8	56.6	4.5	0.001	0.001	0.001	27.1	7.5	17.4	24.2	12.6	5.3	20.4	32.2	1.7	30.4	7.3	47.2	4.0	
245	2379	456.18	8727.98	1.740	0.058	5.550	0.170	0.390	0.013	0.054	0.023	0.013	0.001	0.9	28.1	62.1	5.3	0.001	0.001	0.001	57.9	11.7	28.2	47.8	35.4	6.8	22.2	75.5	1.8	24.3	11.4	47.3	5.1	
245	2380	455.75	8723.65	1.240	0.053	3.450	0.230	0.300	0.033	0.053	0.110	0.009	0.001	0.7	3.0	58.0	3.5	0.001	0.001	0.001	61.7	11.6	20.9	21.4	36.8	4.1	36.5	23.5	2.3	30.1	8.2	57.5	7.0	
245	2381	456.38	8723.50	2.340	0.290	4.940	0.200	0.520	0.030	0.046	0.130	0.011	0.001	1.4	5.0	67.2	7.0	0.001	0.001	0.001	51.7	18.7	30.6	32.1	35.8	6.3	53.9	26.0	2.4	59.2	11.5	75.7	7.0	
245	2382	457.05	8723.07	1.750	0.052	4.470	0.260	0.400	0.008	0.040	0.110	0.011	0.001	0.7	3.3	64.5	4.3	0.001	0.001	0.001	40.8	5.9	21.4	22.8	19.8	5.7	21.4	29.5	1.9	24.5	11.0	56.1	4.5	
245	2383	457.80	8721.76	1.370	1.200	4.490	0.170	0.280	0.035	0.047	0.110	0.012	0.001	1.3	2.4	58.6	5.4	0.001	0.001	0.001	51.8	14.1	16.3	34.3	30.8	5.6	39.9	33.7	3.1	63.6	8.4	74.8	5.1	
245	2384	459.78	8723.08	800	3.650	2.090	0.190	1.660	0.040	0.013	0.058	0.012	0.003	0.9	4.9	52.2	2.5	0.001	0.001	0.001	16.2	7.6	9.3	35.9	16.4	4.7	18.7	24.5	2.5	78.3	11.6	46.4	2.4	
245	2385	458.26	8725.13	1.160	2.510	2.420	0.270	1.380	0.042	0.012	0.056	0.015	0.002	0.8	5.3	75.1	4.6	0.001	0.001	0.001	31.8	11.4	12.4	25.0	21.9	5.5	21.5	15.8	3.1	53.7	15.6	41.9	4.0	
245	2386	457.84	8725.98	950	3.200	1.810	0.210	1.770	0.028	0.008	0.050	0.015	0.002	0.6	4.0	45.6	2.3	0.001	0.001	0.001	15.1	7.9	10.3	17.4	14.6	9.6	3.1	17.2	10.1	2.1	48.7	11.7	27.3	3.2
245	2387	456.64	8726.89	1.740	1.830	3.190	0.250	1.680	0.040	0.010	0.070	0.017	0.006	1.3	5.4	61.3	3.6	0.001	0.001	0.001	49.8	13.1	20.8	34.4	29.9	22.6	5.9	32.8	0.001	3.0	46.2	23.1	50.7	3.3
245	2388	455.56	8728.28	1.400	1.560	2.930	0.230	1.100	0.041	0.010	0.076	0.012	0.002	1.5	3.8	58.2	3.9	0.001	0.001	0.001	57.8	12.0	15.2	25.8	34.0	21.9	5.5	26.9	0.001	2.3	41.2	16.2	55.8	3.1
245	2389	457.46	8728.86	2.80	3.680	1.100	0.160	2.110	0.023	0.006	0.050	0.008	0.002	0.8	5.5	24.1	1.5	0.001	0.001	0.001	15.5	5.9	2.2	13.9	15.0	2.3	3.7	8.3	1.2	34.6	3.2	47.8	3.1	
245	2390	457.22	8727.73	1.460	2.210	2.340	0.300	1.550	0.025	0.010	0.070	0.015	0.001	0.7	4.3	60.2	2.7	0.001	0.001	0.001	44.1	11.3	11.7	26.2	27.2	17.3	3.9	25.8	11.2	2.2	39.1	11.4	32.0	3.4
245	2391	458.69	8726.14	1.010	2.360	1.970	0.300	1.360	0.030	0.011	0.062	0.007	0.001	1.0	5.8	70.6	3.1	0.001	0.001	0.001	40.3	10.2	10.5	22.3	28.2	9.5	4.0	21.5	0.001	2.1	18.0	12.3	56.9	5.5

Tabell over minimum, maksimum, aritmetrisk gjennomsnitt, median og standardavvik, ICAP-analyser.

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*****
*          SVALBARD          *
*    Ravine - moreneprøver  ICAP    *
*    Antall observasjoner. N =   300  *
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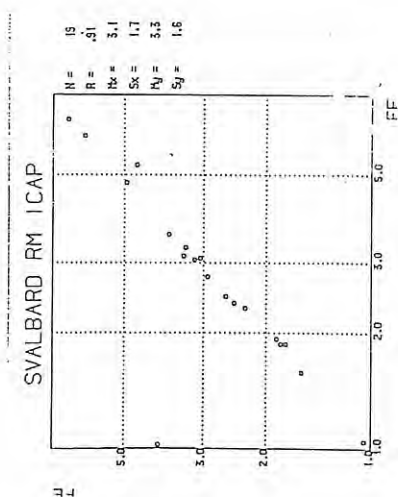
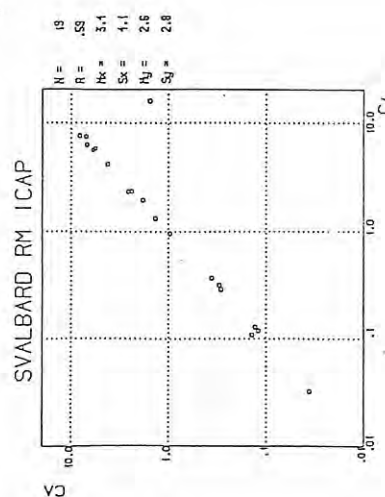
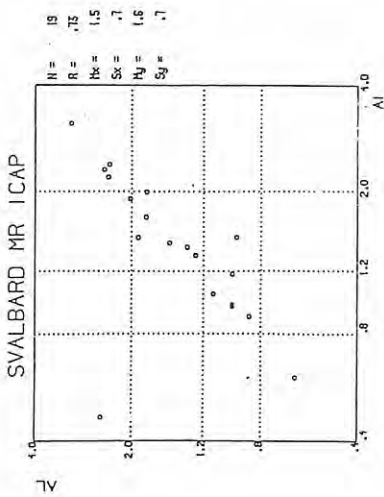
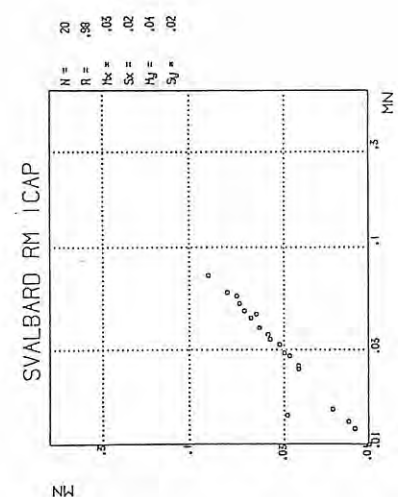
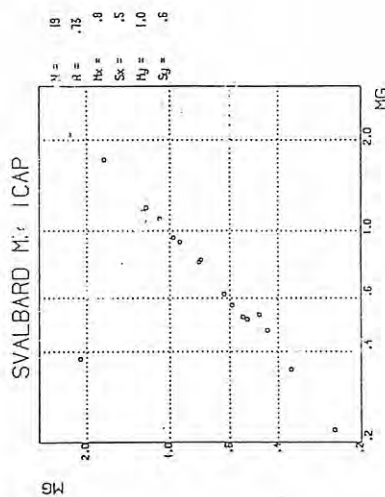
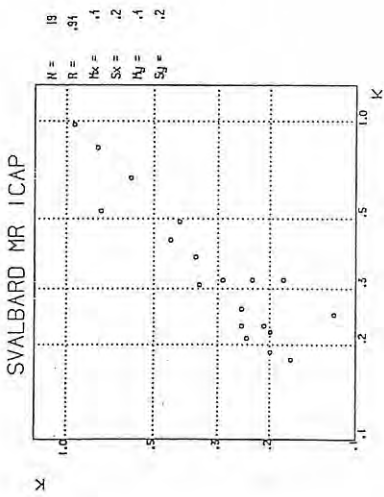
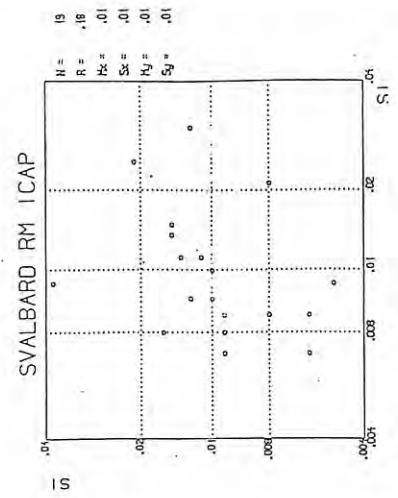
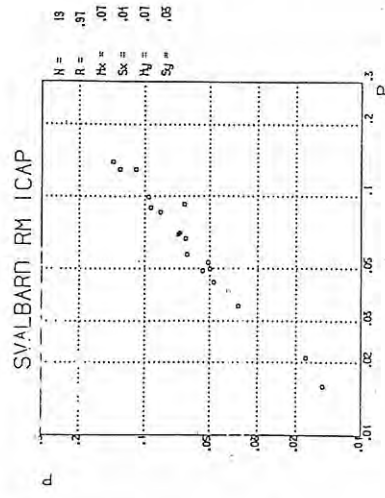
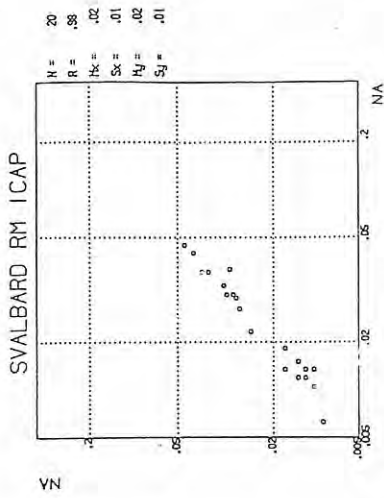
ELEMENT	KONS	MIN	MAKS	R.SD	A.SD	MEDIAN	A.MID	G.MID
1 Al	%	.24	5.11	48.9	.81	1.55	1.66	1.46
2 Ca	%	.02	20.36	120.8	4.46	1.83	3.69	1.61
3 Fe	%	.17	9.23	47.4	1.47	2.92	3.10	2.73
4 K	%	.08	1.50	50.7	.17	.29	.34	.30
5 Mg	%	.02	10.92	100.9	1.50	1.07	1.49	1.04
6 Mn	%	.00	.58	134.0	.06	.03	.05	.03
7 Na	%	.01	.28	114.1	.03	.02	.02	.02
8 P	%	.00	1.25	95.4	.09	.08	.10	.08
9 Si	%	.00	.05	43.2	.01	.01	.01	.01
10 Ti	%	.00	1.11	364.6	.12	.00	.03	.00
11 Ag	PPM	.50	7.20	61.4	.78	1.10	1.27	1.14
12 B	PPM	.30	111.50	109.0	12.03	7.00	11.04	7.00
13 Ba	PPM	12.70	420.90	53.9	41.82	70.60	77.61	69.45
14 Be	PPM	.40	12.10	43.9	1.85	3.90	4.21	3.81
15 Cd	PPM	1.00	4.60	29.3	.31	1.00	1.06	1.04
16 Co	PPM	3.00	89.10	75.6	21.28	26.20	28.15	17.97
17 Cr	PPM	1.40	66.10	7.6	9.79	12.80	14.48	12.14
18 Cr	PPM	2.20	826.40	197.0	72.41	21.80	36.76	21.89
19 Cu	PPM	3.20	267.10	74.7	28.50	33.60	38.16	32.35
20 La	PPM	1.70	54.40	49.4	10.55	20.70	21.36	18.21
21 Li	PPM	1.90	93.70	64.0	17.03	22.50	26.62	21.63
22 Mo	PPM	1.00	31.50	51.5	3.28	5.70	6.37	5.75
23 Ni	PPM	5.50	797.70	143.3	69.59	34.30	48.57	34.94
24 Pb	PPM	5.00	279.20	110.7	19.10	13.40	17.26	13.62
25 Sc	PPM	.60	15.00	52.9	1.86	3.20	3.51	3.14
26 Sr	PPM	2.20	1300.00	150.1	221.77	49.30	147.75	63.91
27 V	PPM	1.70	172.80	103.8	27.88	18.70	26.87	19.24
28 Zn	PPM	3.00	515.40	63.3	42.85	62.40	67.71	57.40
29 Zr	PPM	.30	25.50	67.7	4.35	5.40	6.43	5.29

Duplikater, ICAP-analyser.

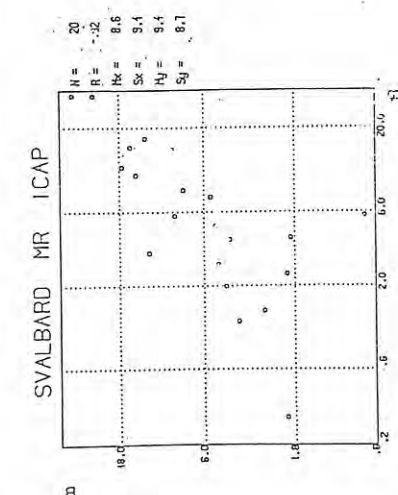
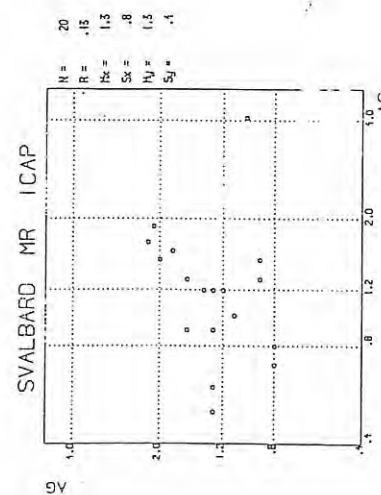
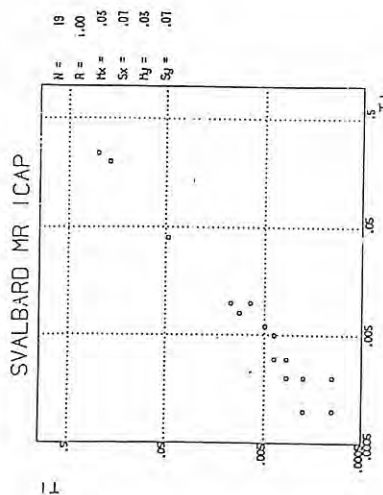
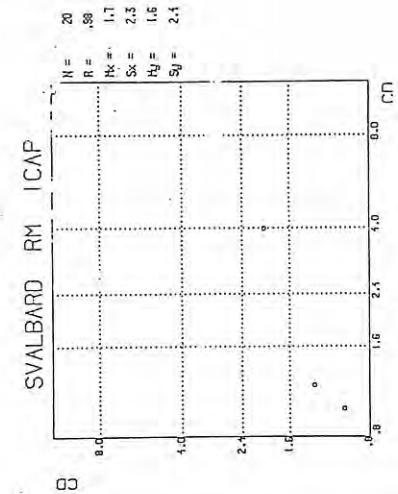
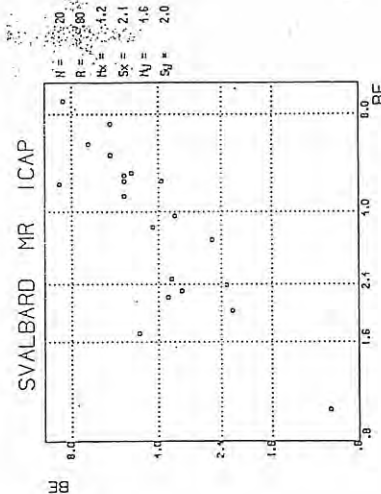
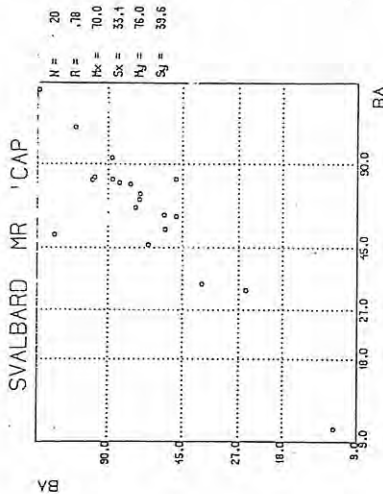
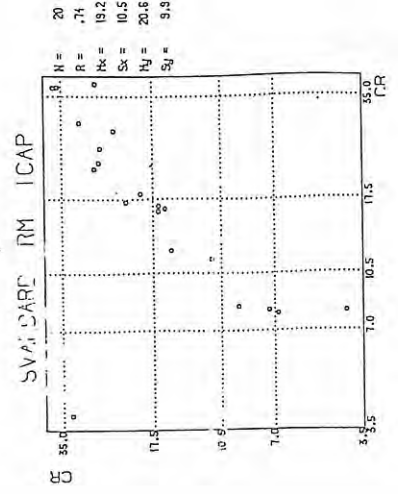
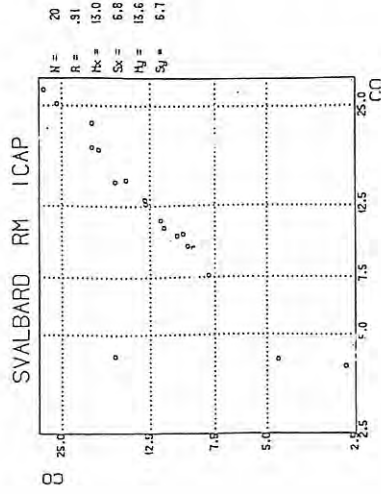
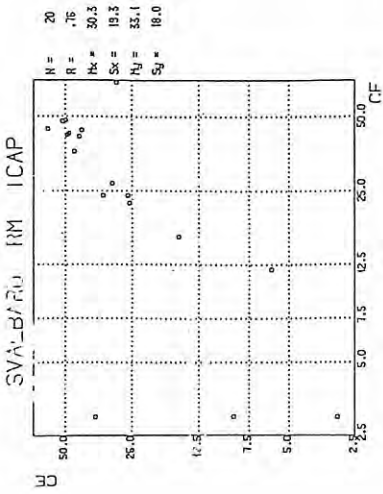
SVILBRRD Ravine - Hordnespraver Dobbelpr. ICAP

Prøve	UTH X	UTH Y	RI	Ca	Fe	K	Hg	Mn	Na	P	SI	II	Hg	B	Ba	Be	Cd	Ce	Co	Cr	Cu	La	Li	Mn	Ni	Pb	Sc	Sr	V	Zn	Zr
-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.	-nr.
2455	2001	460.13	8724.20	900	2.380	1.580	1.200	0.024	0.010	0.069	0.009	0.001	1.2	5.7	70.5	2.4	48.8	9.4	8.1	21.6	29.5	6.1	4.0	21.2	44.7	2.4	46.4	9.3	79.9	7.2	
2455	2001	460.13	8724.20	870	2.390	1.590	1.220	0.025	0.010	0.070	0.011	0.002	1.2	8.8	66.6	2.3	49.9	9.3	7.3	22.3	30.6	5.9	3.8	19.6	51.5	2.3	42.9	9.0	80.8	7.4	
2455	2021	464.68	8720.36	2.000	7.600	1.880	1.730	0.057	0.025	0.100	0.015	0.010	1.3	32.4	79.4	3.3	49.9	9.2	27.8	18.7	15.0	26.7	5.9	5.9	25.5	7.4	4.0	68.1	43.3	50.3	4.4
2455	2021	464.68	8720.36	1.800	7.070	1.760	1.440	0.055	0.024	0.096	0.016	0.011	1.9	25.7	104.3	2.6	48.1	8.9	23.5	17.9	9.6	25.0	4.3	24.2	6.4	3.4	64.7	37.4	44.9	3.2	
2455	2041	458.35	8705.99	2.310	1.300	3.290	0.790	0.052	0.022	0.050	0.009	0.000	1.9	2.0	77.6	6.0	48.1	18.9	37.3	23.8	24.3	26.8	3.8	23.7	12.9	6.5	6.1	47.7	64.9	4.1	
2455	2041	458.35	8705.99	2.430	1.130	3.360	0.600	0.053	0.023	0.050	0.006	0.000	2.1	4.5	81.0	5.9	51.6	19.7	37.3	25.0	31.4	27.5	4.0	25.0	8.6	6.9	4.7	48.2	67.6	4.1	
2455	2061	445.13	8714.97	1.910	0.970	2.210	0.950	0.036	0.017	0.057	0.021	0.001	1.5	...	46.3	4.9	24.1	27.9	22.5	72.2	10.3	29.5	13.7	120.5	21.6	3.1	36.7	23.2	128.6	7.7	
2455	2061	445.13	8714.97	2.020	0.980	2.240	0.970	0.037	0.020	0.064	0.008	0.001	2.0	2.0	61.6	8.9	33.8	29.0	26.4	77.5	26.5	30.8	16.3	125.6	16.0	3.5	38.1	30.0	137.7	9.6	
2455	2081	463.64	8712.88	3.130	0.370	2.310	0.980	0.012	0.026	0.021	0.013	0.002	7	32.6	122.8	5.0	16.2	10.2	37.4	9.3	10.3	23.2	3.1	36.7	...	5.6	11.0	22.4	18.3	2.7	
2455	2081	463.64	8712.88	3.070	0.360	2.290	0.940	0.012	0.025	0.018	0.015	0.003	8	33.9	122.0	5.3	15.4	9.6	36.2	8.8	9.6	23.2	2.3	35.0	...	5.7	11.3	22.3	18.5	2.8	
2455	2101	462.75	8719.75	1.960	0.750	1.950	1.170	0.013	0.029	0.016	0.012	0.006	1.2	15.2	31.9	2.0	4.2	4.2	16.7	13.1	6.3	24.6	7.6	13.5	...	1.9	80.9	20.1	25.2	3.0	
2455	2101	462.75	8719.75	1.980	0.750	1.950	1.170	0.013	0.028	0.015	0.012	0.006	1.3	15.7	25.3	2.2	4.2	4.6	16.8	12.7	6.8	25.2	7.6	13.1	...	1.9	66.7	20.1	20.9	3.0	
2455	2121	456.66	8710.16	1.330	0.960	1.880	0.800	0.032	0.014	0.053	0.010	0.003	1.8	10.3	76.5	2.5	43.1	9.3	16.4	21.2	26.5	11.5	3.2	13.8	6.4	2.3	62.1	15.3	36.3	2.8	
2455	2121	456.66	8710.16	1.270	1.830	1.820	0.610	0.032	0.013	0.051	0.012	0.004	8	14.6	73.2	3.6	48.2	8.9	16.0	18.9	27.9	10.6	3.5	9.1	8.2	2.4	54.1	15.0	31.8	2.8	
2455	2141	448.84	8707.01	1.700	1.320	3.090	1.000	0.034	0.034	0.070	0.013	0.002	1.6	1.4	59.1	4.2	36.6	10.1	21.6	22.0	23.4	28.6	3.8	29.1	9.6	2.3	28.7	14.1	39.2	1.9	
2455	2141	448.84	8707.01	1.810	1.370	3.070	1.090	0.036	0.037	0.069	0.013	0.002	1.3	2.7	53.4	4.2	45.7	10.1	27.3	20.1	24.8	27.2	4.7	29.2	8.7	2.5	27.9	15.6	41.2	2.3	
2455	2161	458.54	8714.34	1.490	0.320	5.310	0.530	0.046	0.035	0.130	0.008	0.010	1.5	5.7	79.8	7.5	69.3	22.4	38.3	30.3	38.1	20.6	7.6	60.7	17.9	4.3	70.3	25.9	84.6	7.0	
2455	2161	458.54	8714.34	1.450	0.300	4.620	0.470	0.043	0.036	0.110	0.017	0.007	9	7	47.9	5.9	29.5	19.7	27.0	29.1	19.3	19.0	6.1	56.8	24.8	3.4	58.4	18.2	75.1	4.1	
2455	2181	454.89	8713.94	0.610	6.350	2.470	0.660	0.039	0.009	0.090	0.024	0.005	...	4.9	63.0	7.2	12.7	8.3	45.3	17.3	10.1	10.1	5.2	33.7	16.3	2.5	405.9	6.4	89.7	7.6	
2455	2181	454.89	8713.94	0.630	6.860	2.600	0.660	0.041	0.009	0.094	0.021	0.004	1.3	5.2	69.9	7.7	8.8	12.9	9.2	47.2	18.0	9.3	5.7	34.3	13.1	2.7	415.5	7.7	86.7	7.8	
2455	2201	450.96	8712.86	1.040	0.034	6.950	0.190	0.035	0.034	0.035	0.009	0.001	1.6	2.4	79.8	8.8	1.2	24.1	13.1	18.2	51.6	21.9	14.8	24.4	29.8	2.5	10.8	26.9	101.6	8.0	
2455	2201	450.96	8712.86	1.120	0.036	7.230	0.360	0.037	0.034	0.037	0.008	0.001	1.8	2.0	86.5	8.1	1.3	26.2	13.0	19.3	53.3	23.3	14.8	24.0	29.6	2.7	11.5	28.5	103.8	8.0	
2455	2221	452.26	8720.31	1.490	5.670	2.770	1.070	0.048	0.011	0.140	0.016	0.008	1.0	11.5	91.1	6.0	22.4	15.0	17.2	69.5	25.3	21.2	5.8	42.4	9.9	3.7	290.9	17.0	75.7	12.4	
2455	2221	452.26	8720.31	1.910	5.890	2.920	0.760	0.050	0.013	0.140	0.016	0.009	1.1	17.6	92.4	3.9	25.8	15.1	21.5	72.7	28.6	24.4	5.8	43.4	15.1	4.3	303.3	21.6	83.6	13.4	
2455	2241	448.84	8721.12	1.400	4.210	2.380	0.570	0.044	0.012	0.086	0.007	0.002	1.2	7.5	94.9	3.9	44.5	10.7	11.6	24.3	31.5	18.3	4.5	21.1	7.1	3.4	231.7	14.7	45.8	4.6	
2455	2241	448.84	8721.12	1.350	4.190	2.460	0.360	0.046	0.011	0.085	0.006	0.001	1.2	5.5	86.9	5.5	42.3	11.2	11.3	24.1	29.5	18.0	5.2	21.5	10.1	3.4	251.8	14.2	45.2	4.6	
2455	2261	455.32	8719.70	1.440	2.360	3.550	0.230	0.028	0.042	0.066	0.007	...	1.3	4.0	52.3	1.3	42.0	11.3	16.1	26.2	24.9	37.3	5.6	33.0	10.8	2.6	135.8	10.1	63.1	5.4	
2455	2261	455.32	8719.70	1.530	2.560	3.740	0.210	0.028	0.041	0.065	0.011	...	1.6	4.3	53.0	5.0	43.4	11.5	16.9	37.5	30.1	38.4	6.8	33.4	19.4	2.7	194.3	10.2	77.2	5.6	
2455	2281	443.27	8779.69	0.980	1.100	3.130	0.220	0.072	0.010	0.044	0.011	0.040	9	3.3	50.0	5.2	42.6	14.8	12.3	18.8	22.1	7.0	5.3	17.6	...	3.9	6.9	20.0	37.4	8.0	
2455	2281	443.27	8779.69	0.980	1.140	3.410	0.350	0.079	0.011	0.048	0.038	0.048	1.6	12.4	148.7	5.3	49.2	16.4	15.3	20.9	26.8	7.8	5.8	20.6	10.0	3.9	9.3	21.8	41.6	8.7	
2455	2301	454.12	8721.62	1.180	5.290	1.930	0.470	0.025	0.010	0.059	0.010	0.001	1.0	8.3	58.2	2.3	27.1	7.6	7.9	22.8	26.0	13.0	3.2	17.3	11.4	1.6	309.5	6.9	39.5	4.9	
2455	2301	454.12	8721.62	0.980	5.650	1.870	0.470	0.025	0.010	0.054	0.014	0.001	1.1	7.9	47.7	3.3	30.8	7.9	6.8	20.6	25.6	12.2	4.6	15.2	11.6	1.6	292.7	6.5	36.5	4.6	
2455	2321	445.63	8776.50	2.200	0.120	3.060	0.920	0.052	0.026	0.040	0.011	0.240	1.7	1.2	166.7	4.5	45.0	25.1	24.7	37.5	26.2	38.7	3.6	31.7	11.3	4.9	4.6	37.7	26.1	7.1	
2455	2321	445.63	8776.50	2.360	0.120	3.180	0.780	0.052	0.027	0.041	0.005	0.250	2.2	3.8	172.8	5.3	60.3	26.1	26.1	36.6	35.8	40.0	4.0	32.3	...	5.0	4.5	39.5	28.4	8.6	
2455	2341	437.71	8775.33	1.110	27.810	0.300	0.040	0.015	0.011	0.008	0.057	0.003	1.0	12.9	11.2	1.0	6.0	4.0	4.0	10.6	3.0	2.6	4.0	3.2	6.4	8.0	0.8	156.8	2.0	2.4	1.2
2455	2341	437.71	8775.33	1.140	25.500	0.350	0.036	0.016	0.009	0.010	0.048	0.003	1.0	12.9	11.2	1.0	6.0	4.0	4.0	10.6	3.0	2.6	4.0	3.2	6.4	8.0	0.8	156.8	2.0	2.4	1.2
2455	2361	448.38	8726.09	0.470	16.100	1.030	0.25																								

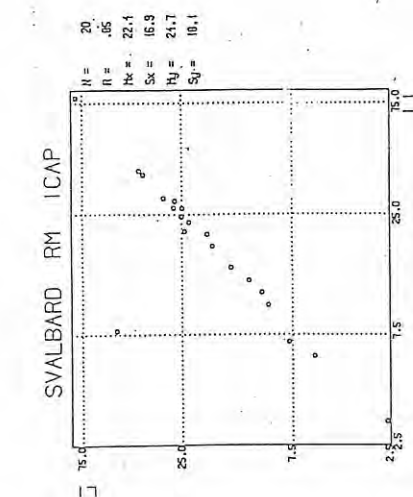
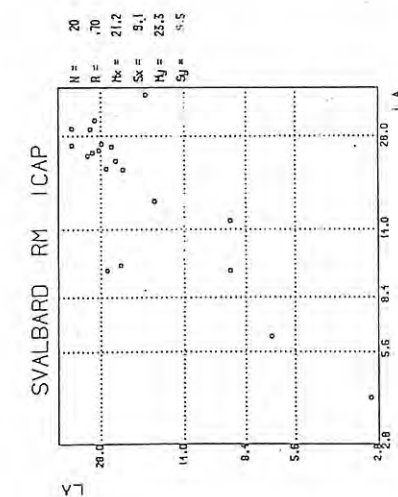
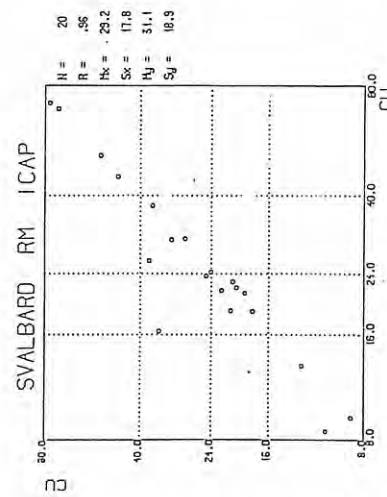
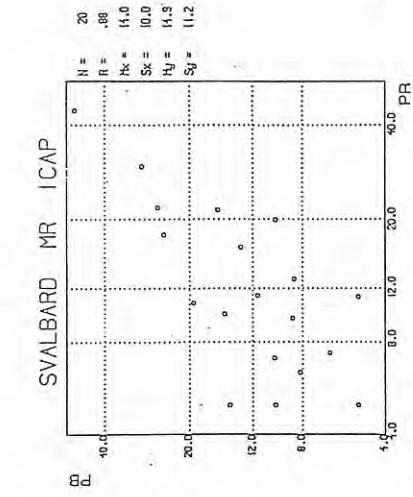
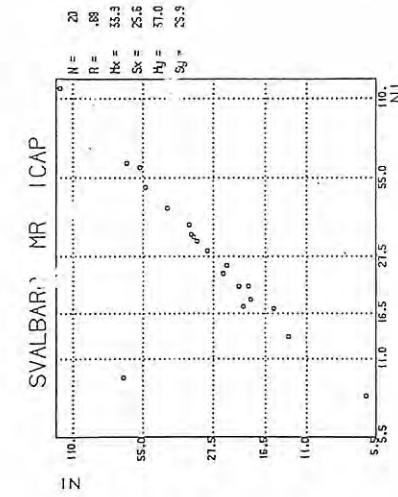
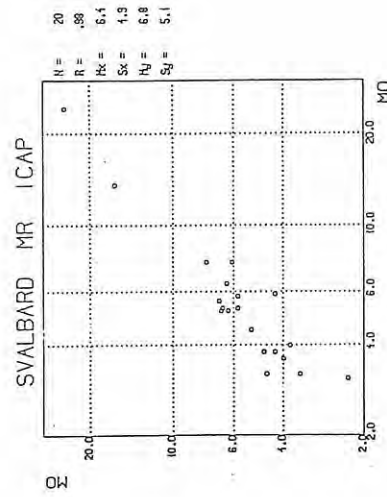
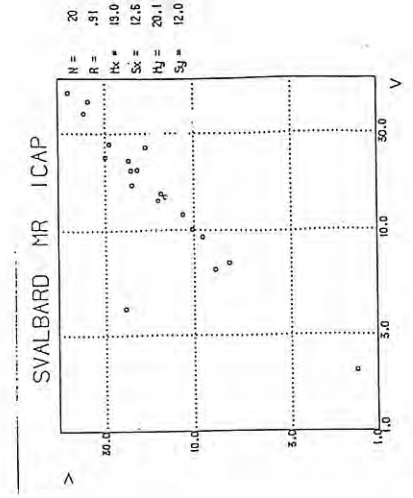
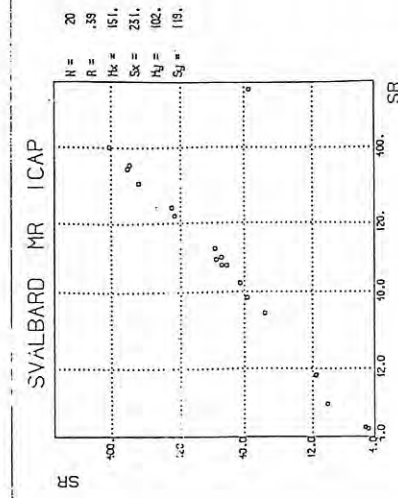
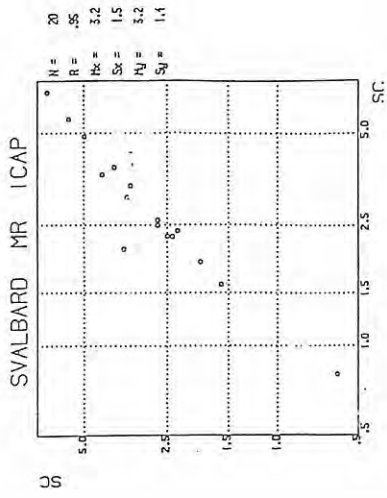
Scatterdiagram, ICAP-analyser.



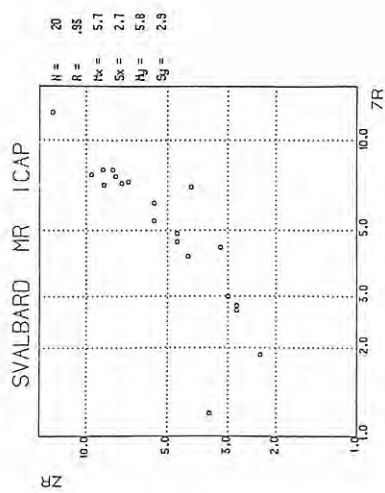
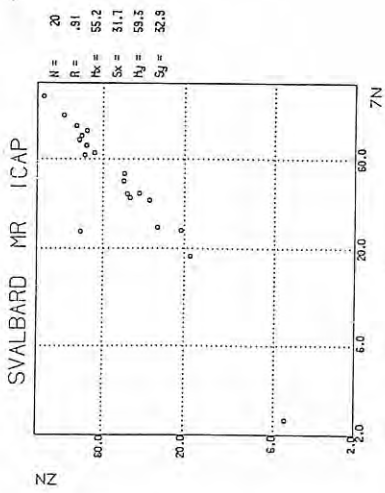
Scatterdiagram, ICAP-analyser.



Scatterdiagram, ICAP-analyser.

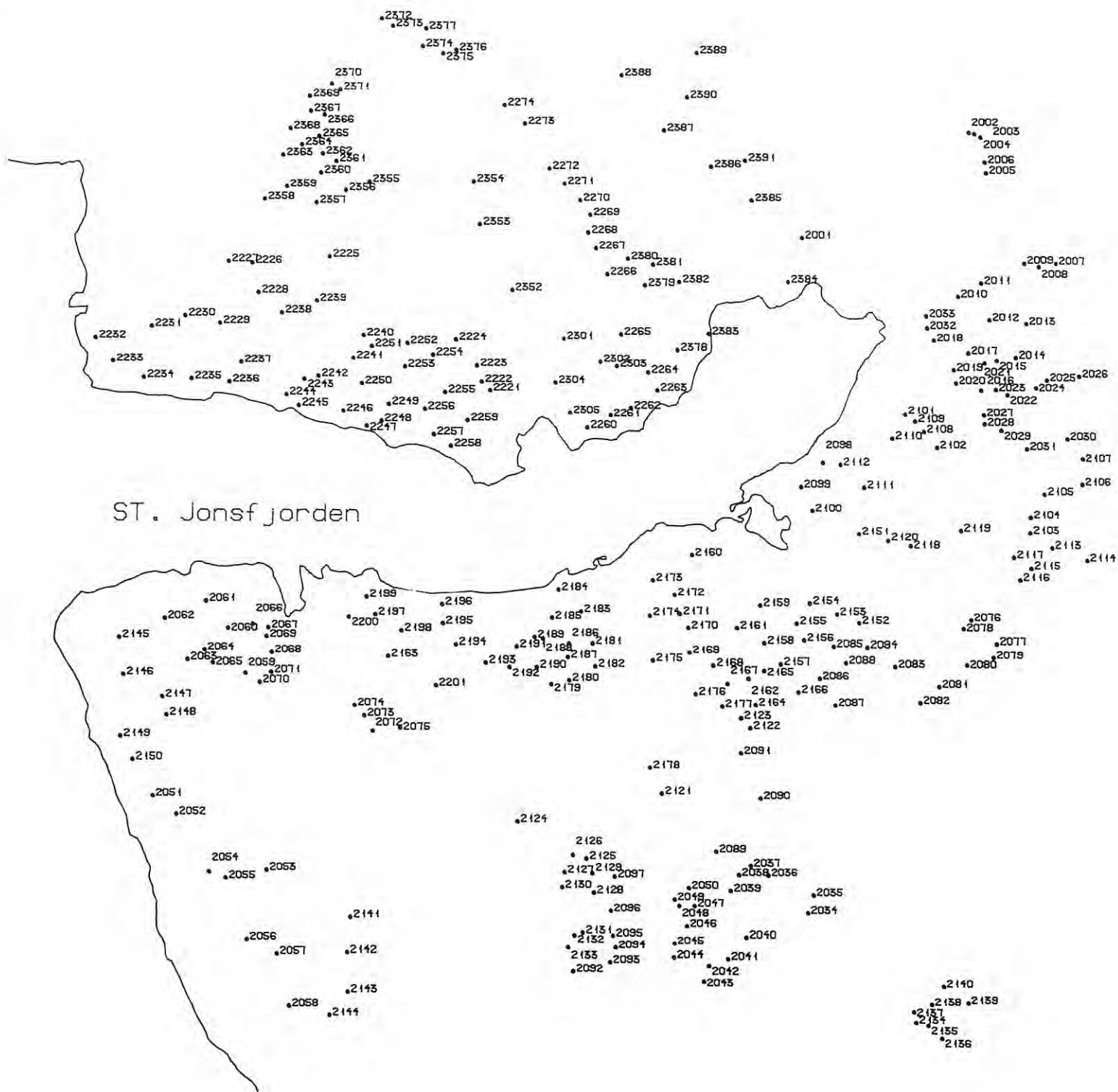


Scatterdiagram, ICAP-analyser.



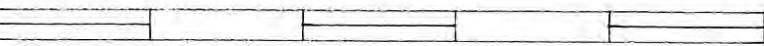
Anslagsvis mineralsammensetning i tungmineralkonsentrat
fraksjon - 100 mesh bestemt ved mikroskopering.

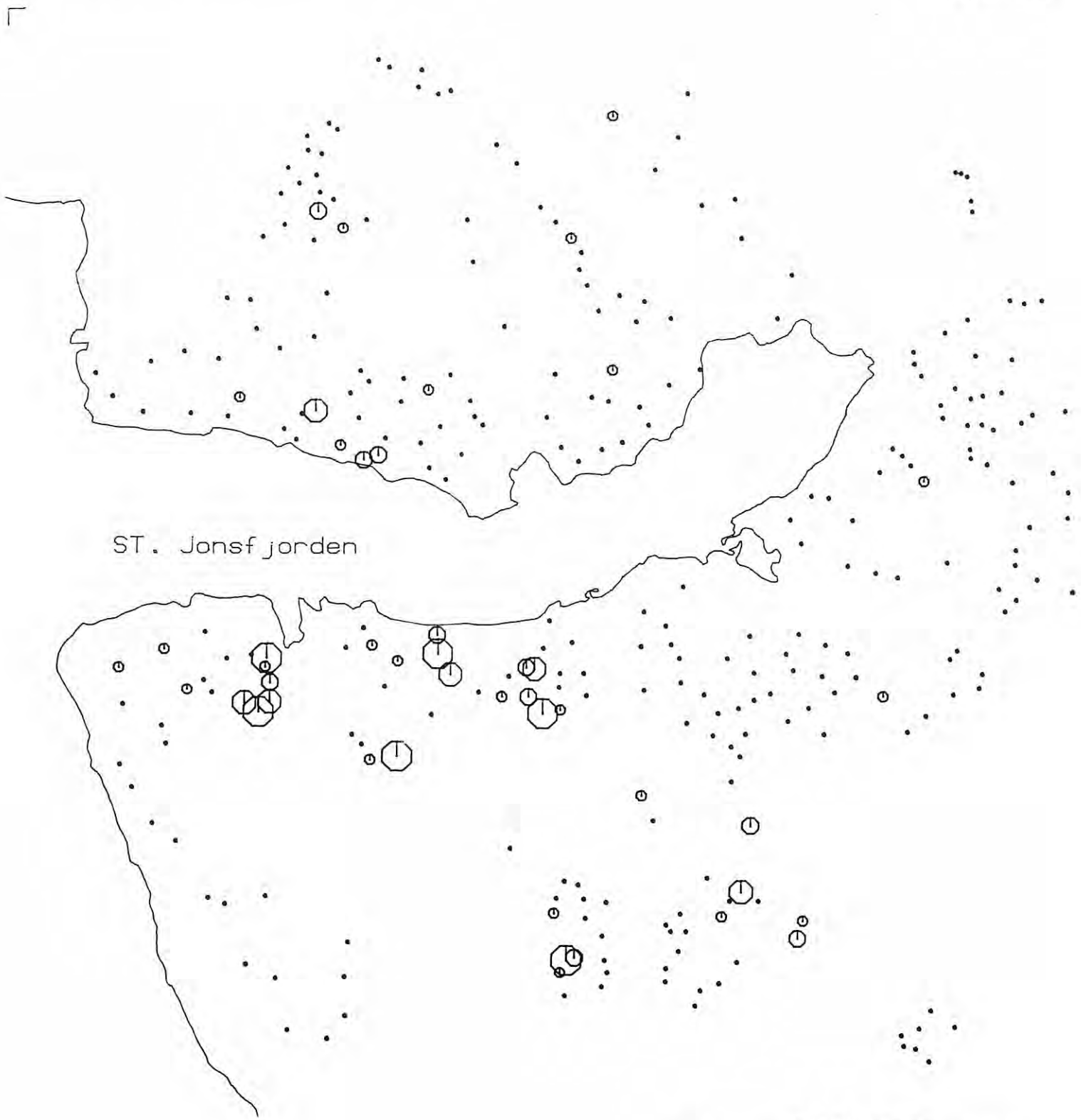
- pr.nr. 2067 svovelkis 50%, magnetitt 35%, ilmenitt 10%,
div. silikatmineraler 5%.
- pr.nr. 2070 svovelkis 75%, ilmenitt 10%, magnetitt 10% div.
silikatmineraler 5%.
- pr.nr. 2132 kvarts, feltspatt, amfibolitt 90%, svovelkis 10%.
- pr.nr. 2195 svovelkis 70%, arsenkis 10%, rutil 10%,
magnetitt 5%, ilmenitt 5%.



ST. Jonsfjorden

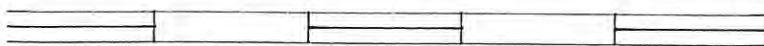
14Km



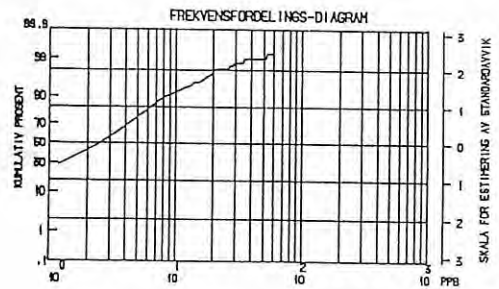


SYMBOL : • ⊖ ⊕ ⊗ ⊙

ØVRE GRENSE : 6 10 16 25 >25

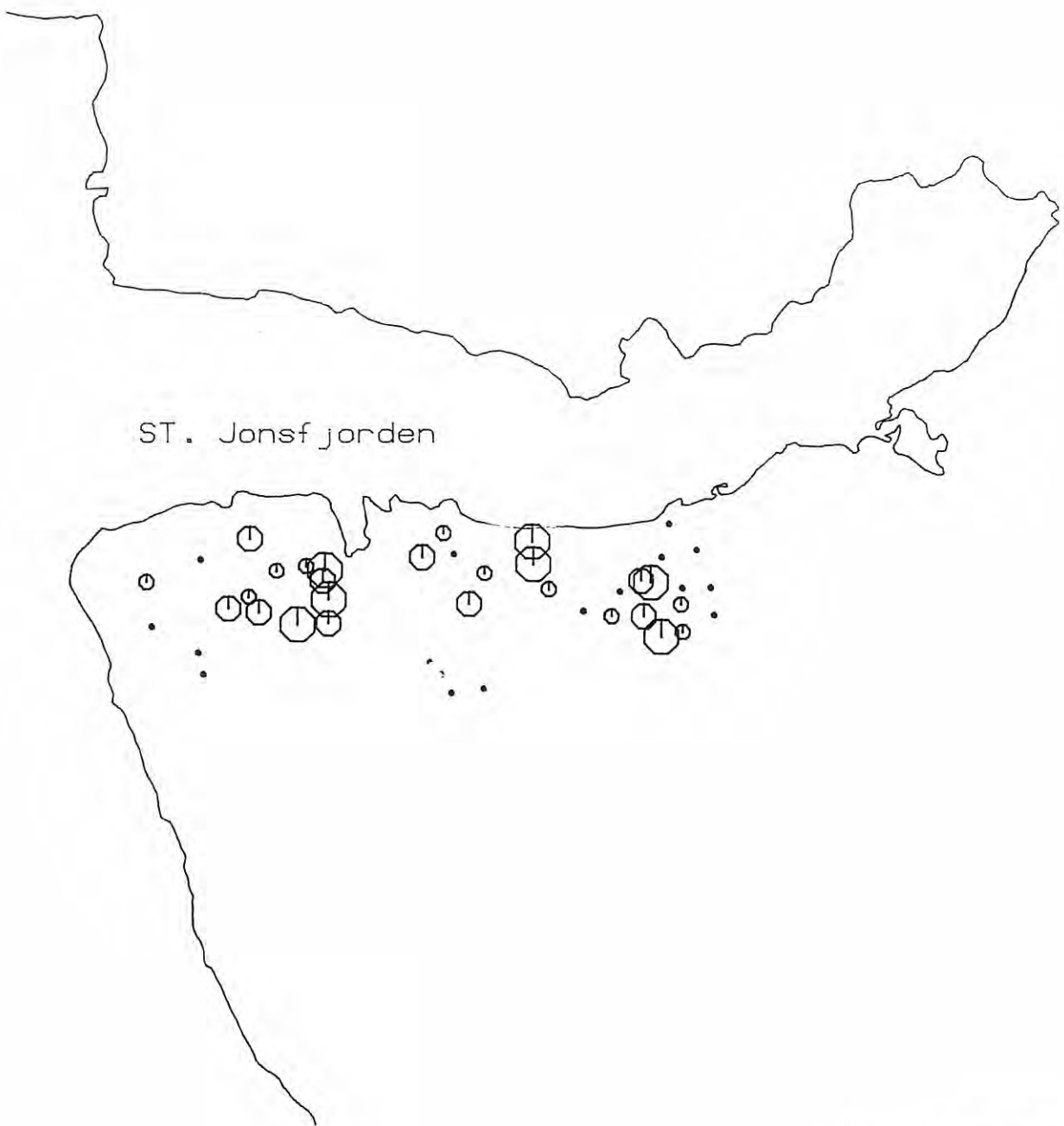


14Km



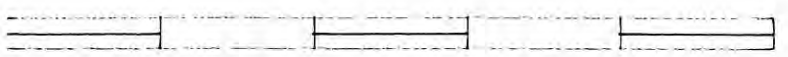
PPBAU
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 MAX= 240.00

┌

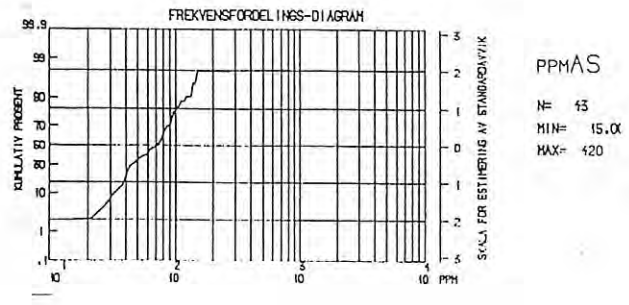


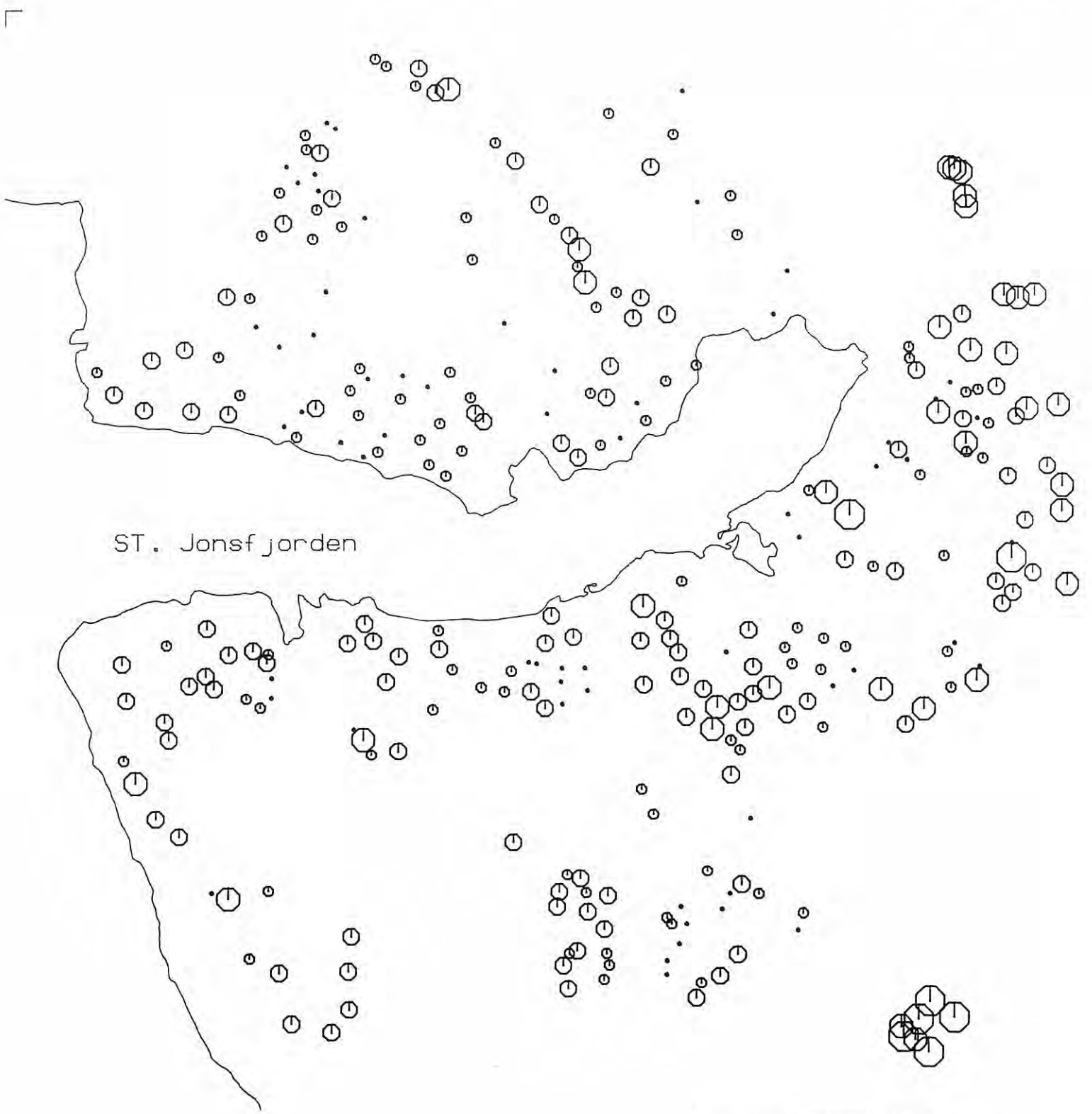
SYMBOL : • + |

ØVRE GRENSE : 55 75 100 > 100

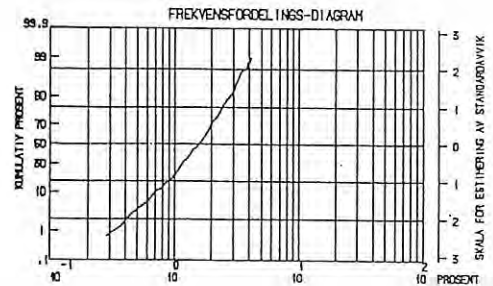


14Km



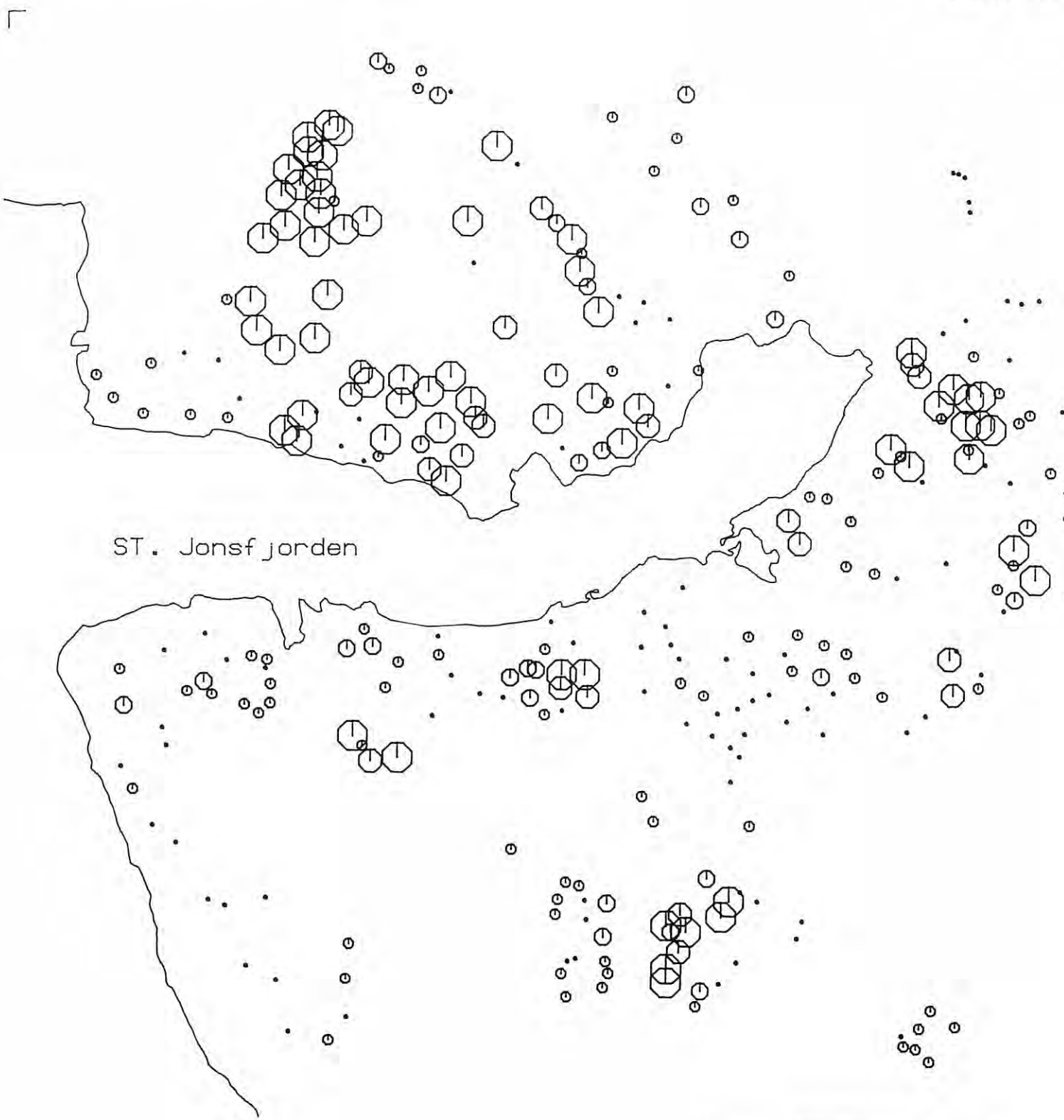


SYMBOL : . ○ ⊖ ⊕ ⊗
 ØVRE GRENSE : 1.0 1.6 2.5 3.6 >3.6



zAL
 N= 300
 MIN= .
 MAX= 5.
 \bar{x} = 1.

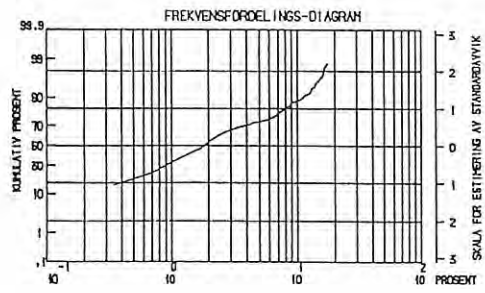




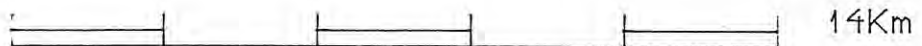
ST. Jonsfjorden

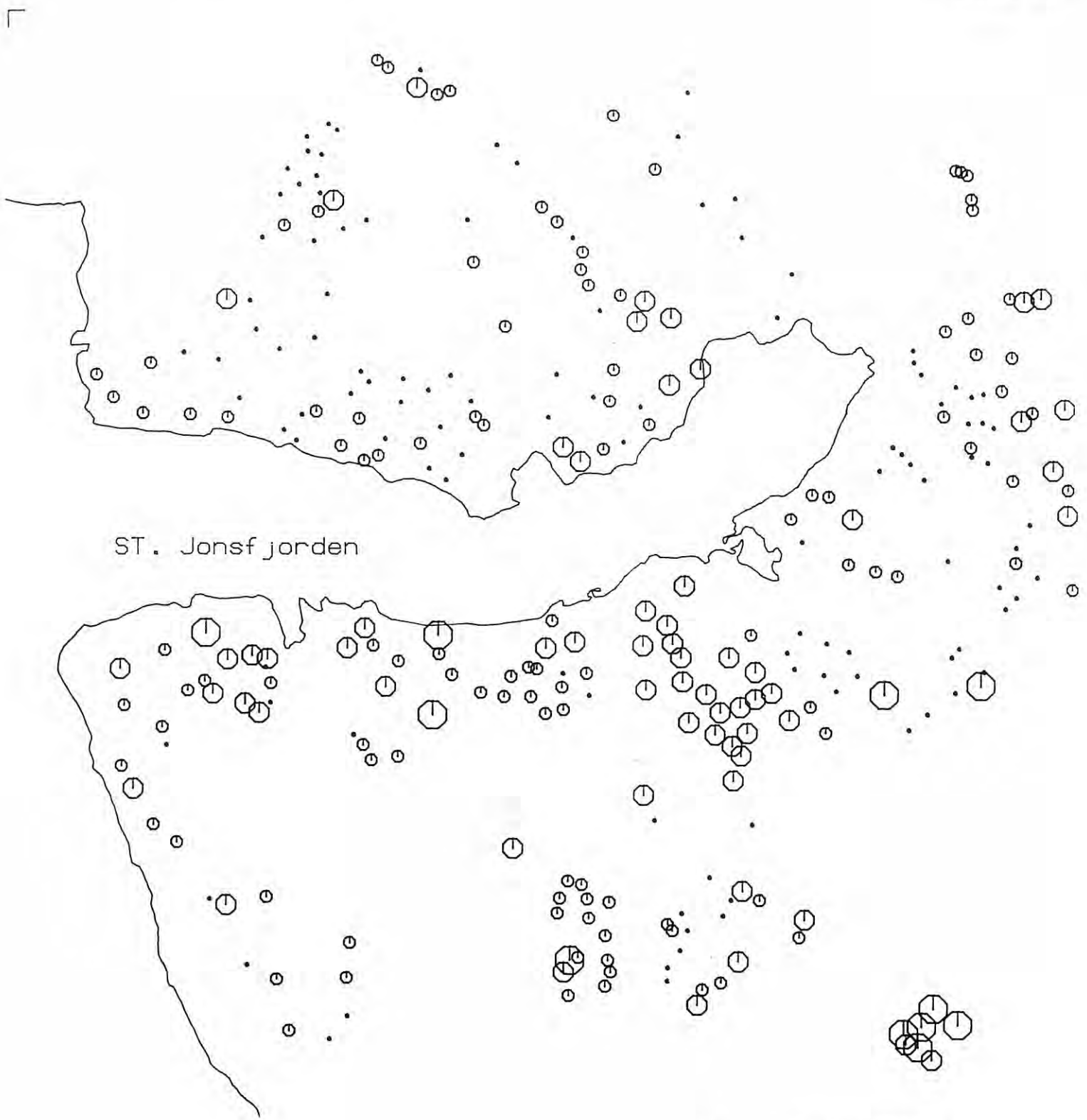
SYMBOL : . ⊙ ⊕ ⊖ ⊗

ØVRE GRENSE : 1.0 2.5 3.9 6.3 >6.3



z=CA
 N= 300
 MIN= .1
 MAX= 20.1
 \bar{x} = 3.1

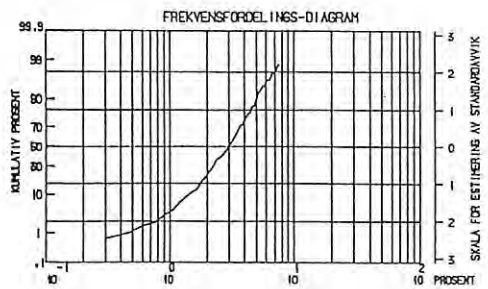




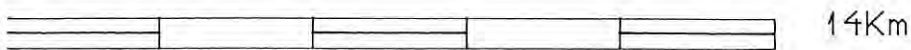
ST. Jonsfjorden

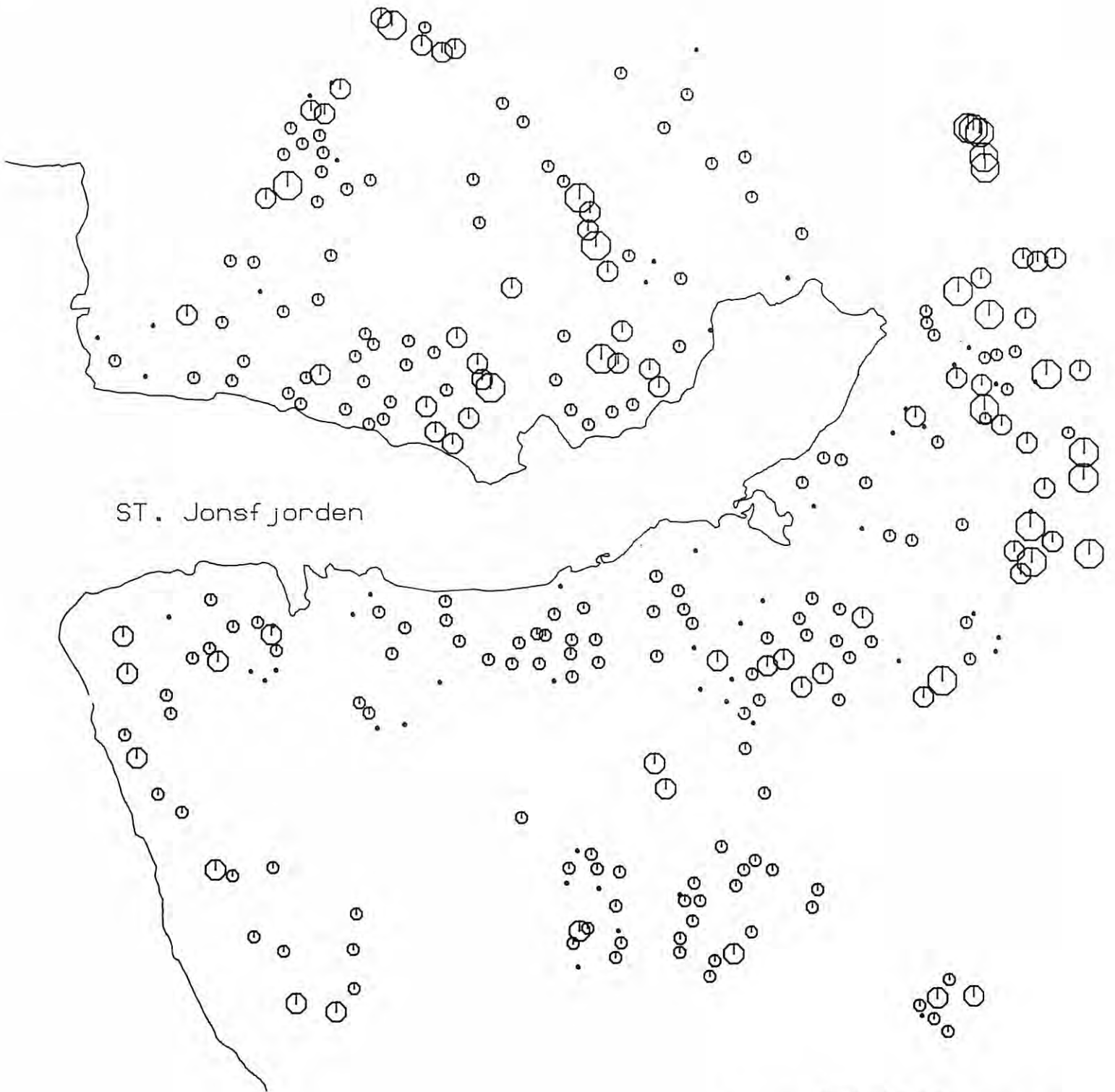
SYMBOL : . ○ ⊖ ⊕

ØVRE GRENSE : 2.53.96.3 > 6.3



zFE
 n = 300
 MIN = .1
 MAX = 9.2
 xi = 3.0





SYMBOL

::

.

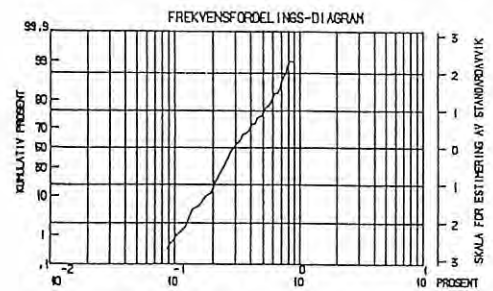
⊙

⊖

⊕

ØVRE GRENSE : .20 .40 .60 > .60

14Km



±K

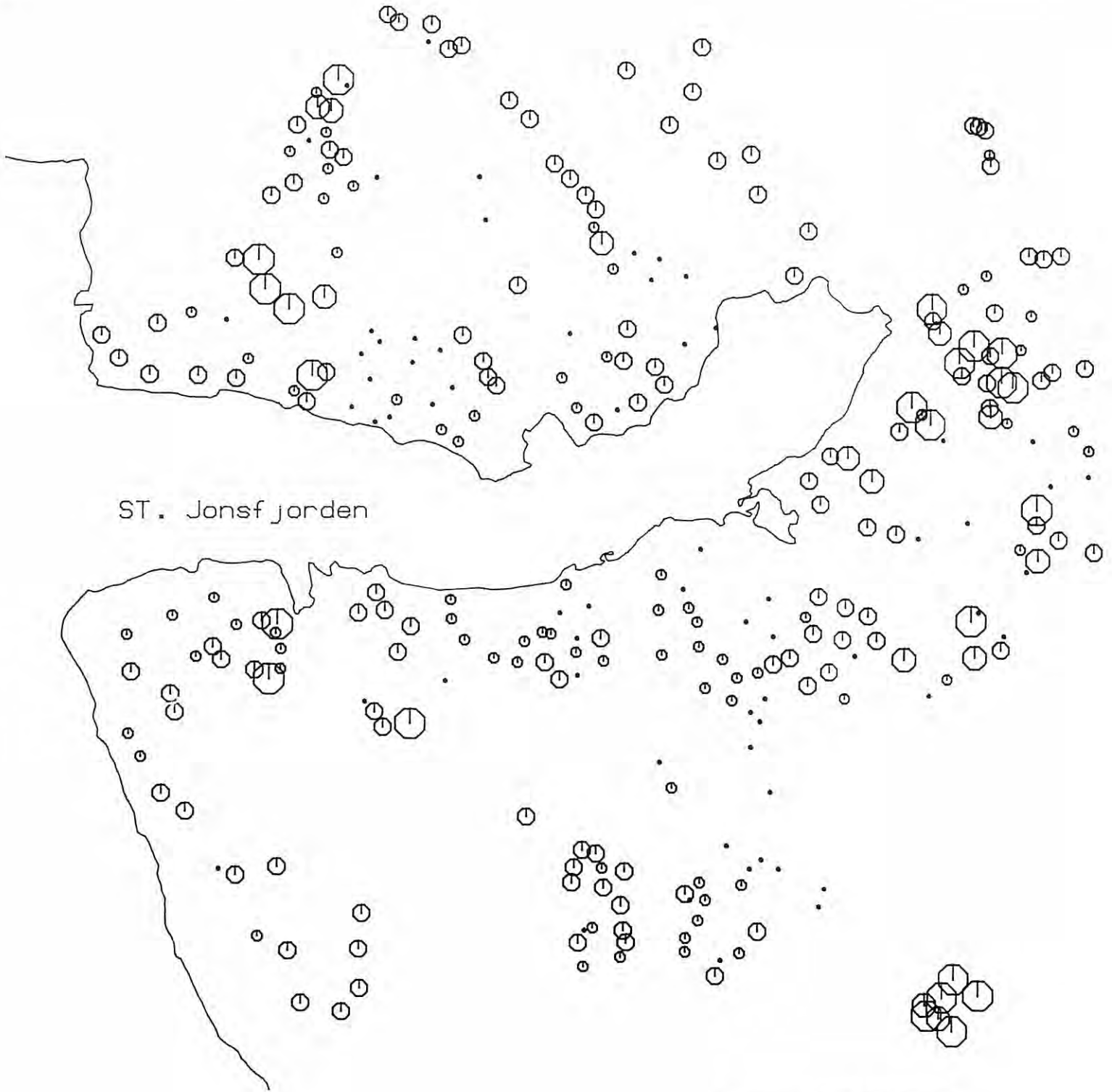
N= 300

MIN=

MAX=

xi =

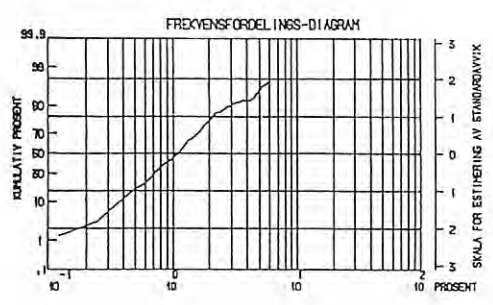
||



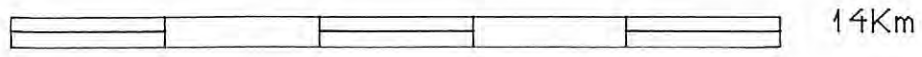
ST. Jonsf jorden

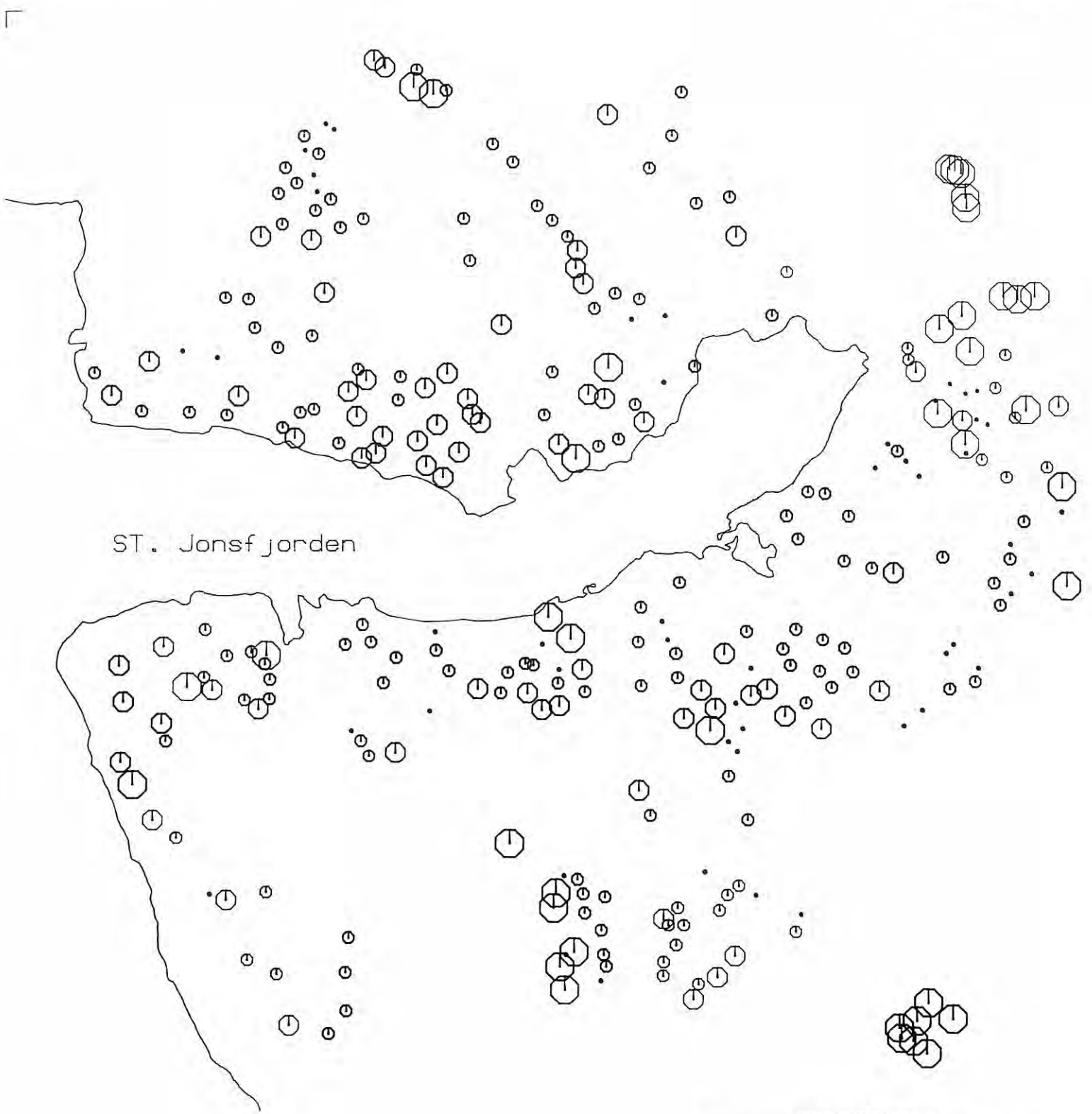
SYMBOL : . ○ ⊖ ⊕ ⊗

ØVRE GRENSE : .6 1.0 2.5 3.9 >3.9



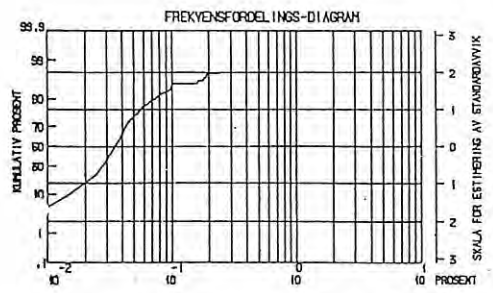
±MG
 N= 300
 MIN= .4
 MAX= 10.4
 \bar{x} = 1.7



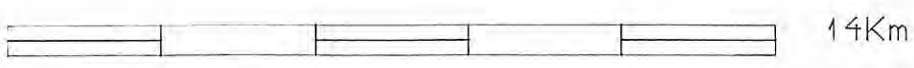


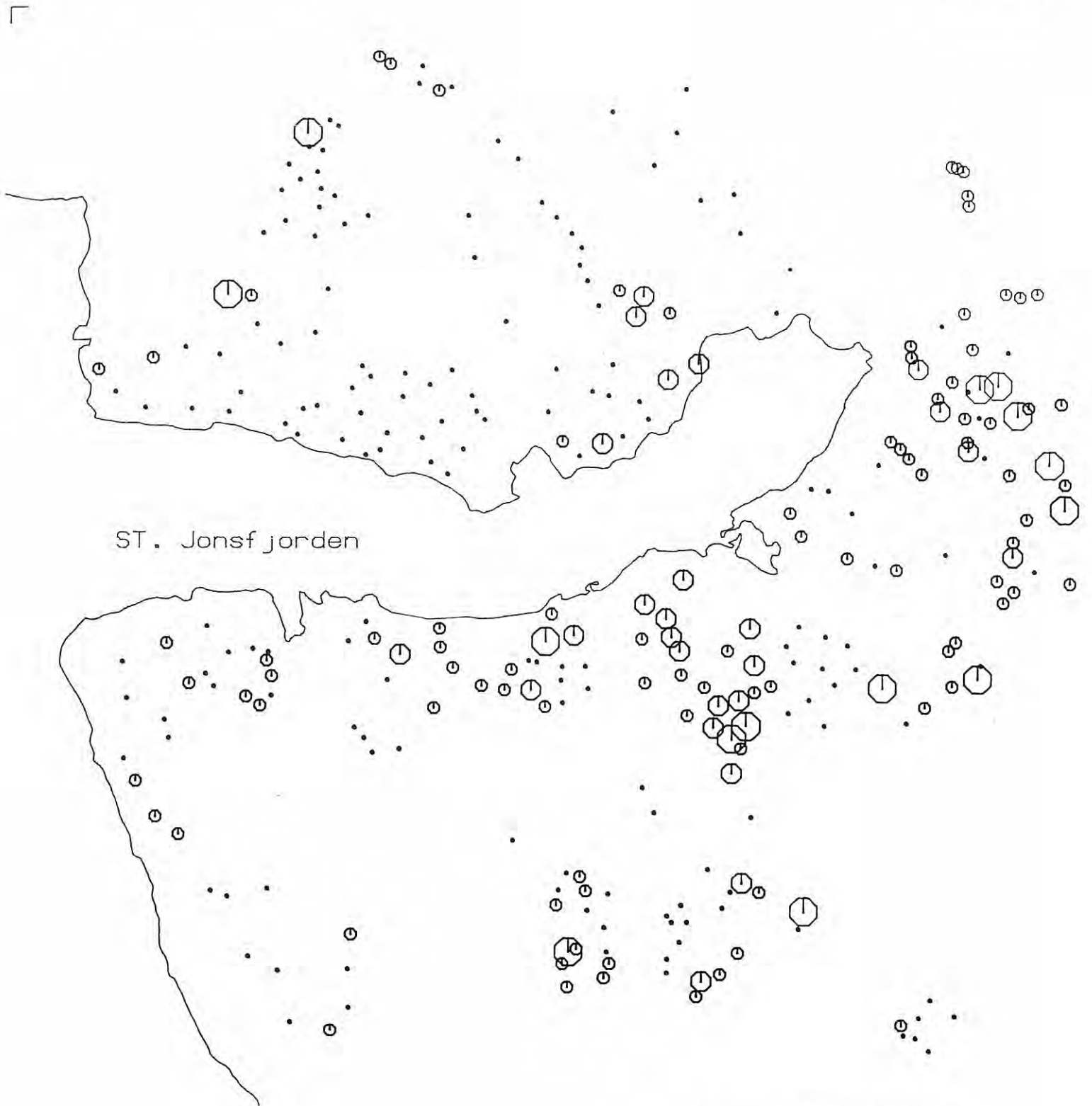
SYMBOL : . ○ ○ ○ ○

ØVRE GRENSE : .02 .04 .06 > .06



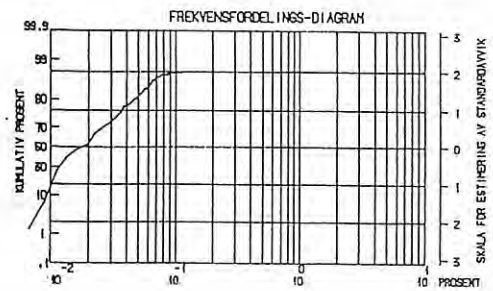
zMN
 N= 300
 MIN= .1
 MAX= .1
 x̄ = .1



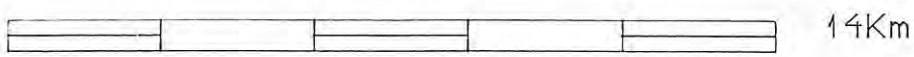


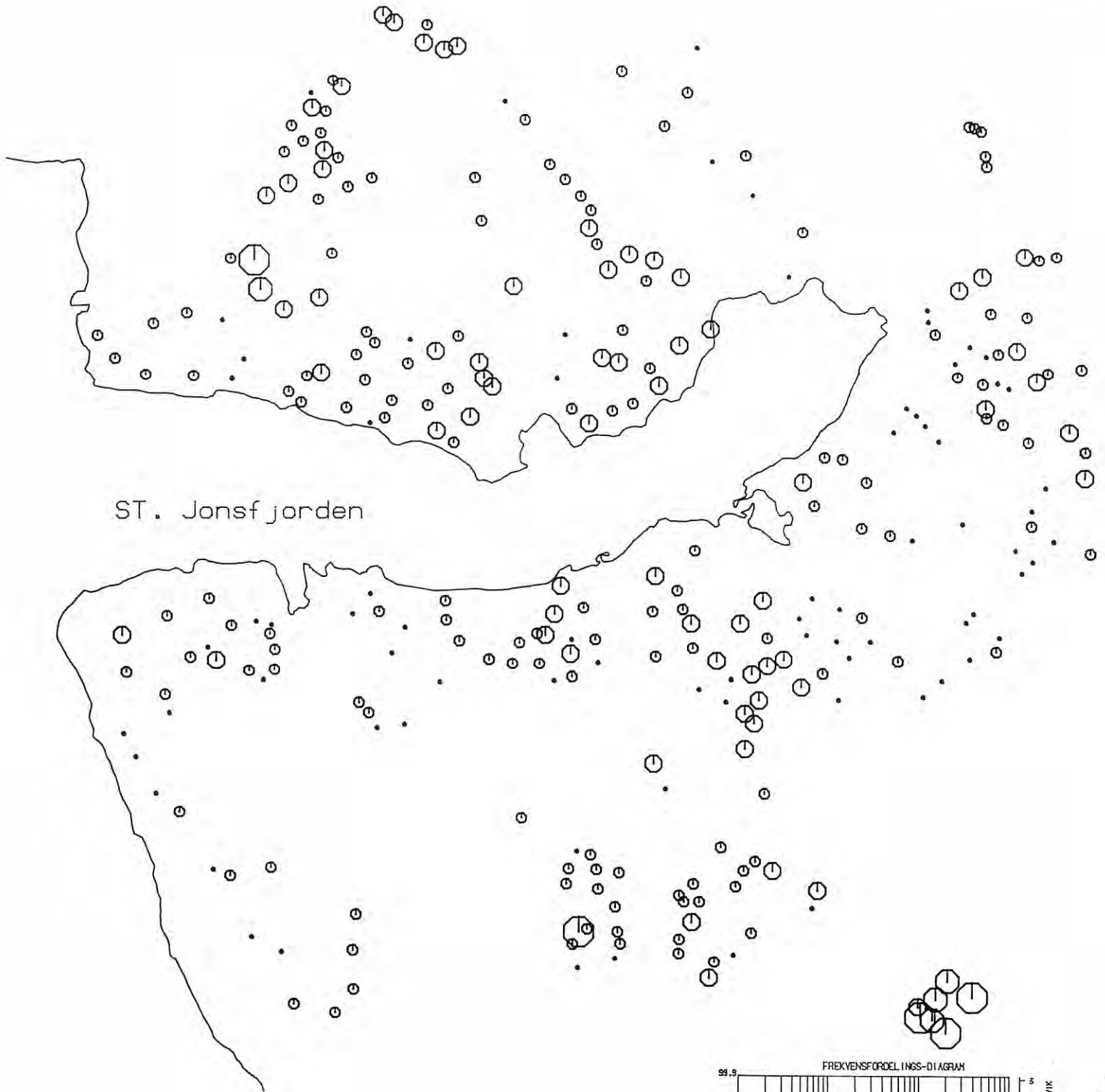
SYMBOL : . ○ ⊖ ⊕

ØVRE GRENSE : .02 .04 .06 > .06



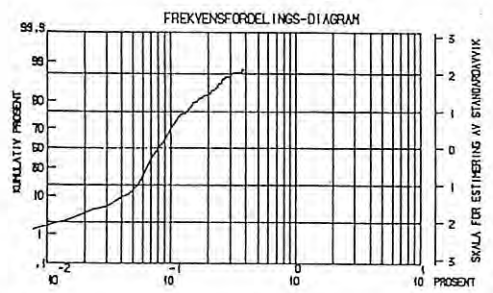
±NA
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 MIN= .0
 MAX= .2
 x̄ = .0





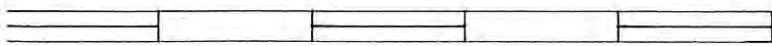
SYMBOL : . ○ ○ ○ ○

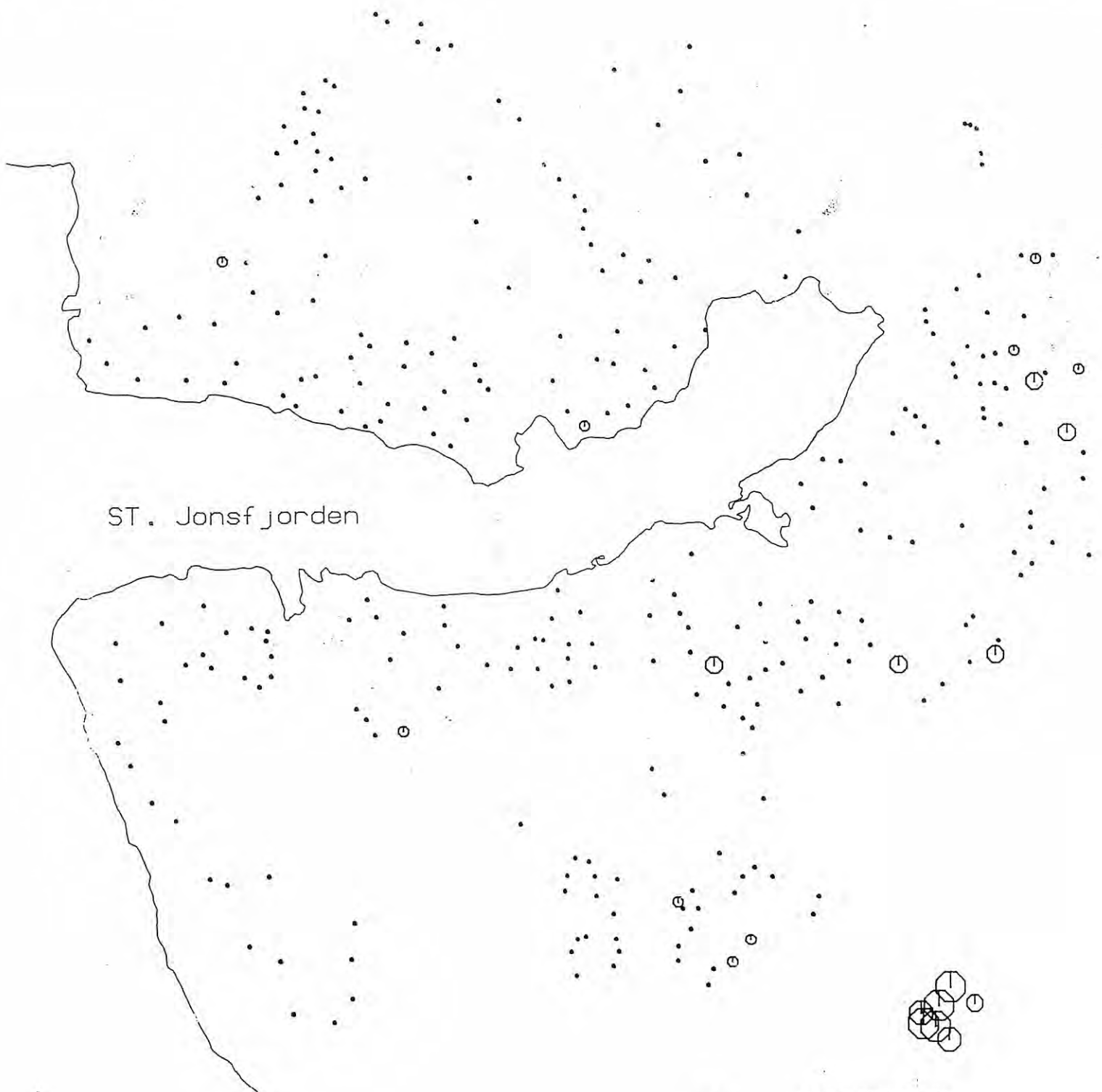
ØVRE GRENSE : .06 .10 .25 .39 > .39



\bar{x} =
 n = 500
 \min =
 \max =
 \bar{x} =

14Km

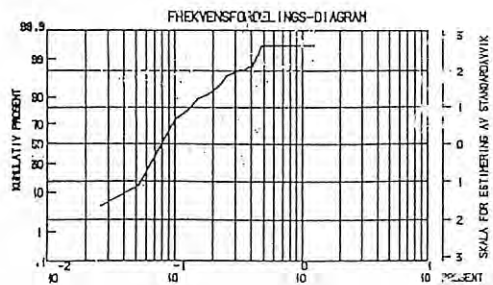




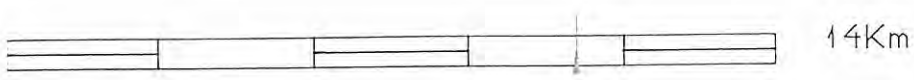
ST. Jonsf jorden

SYMBOL :

ØVRE GRENSE : .1 .2 .4 .6 > .6



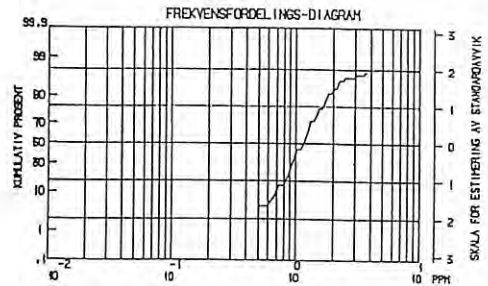
z T |
 N = 300
 MIN = .0
 MAX = 1.3
 x̄ = .1





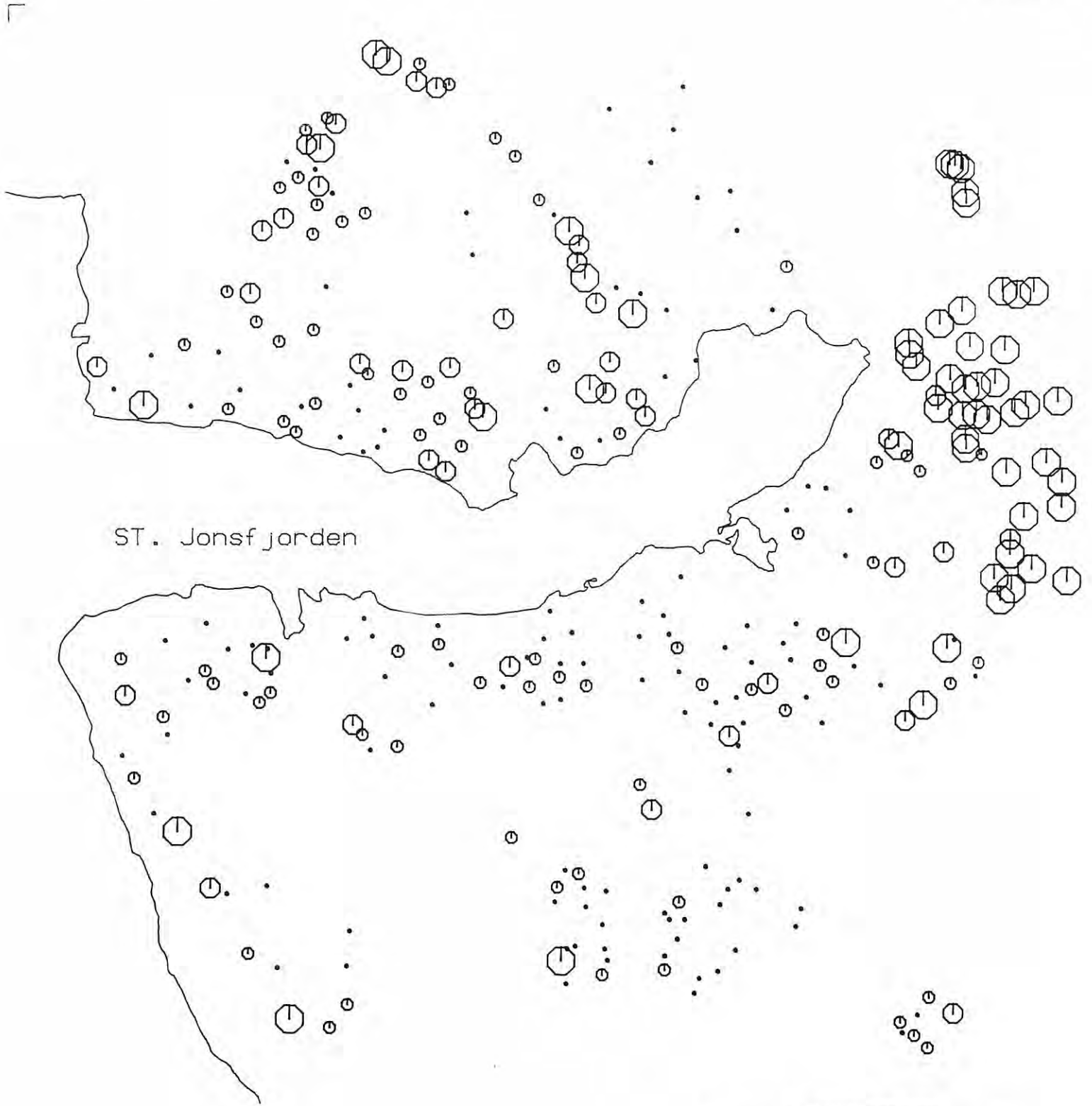
SYMBOL : . ○ ○ ○ ○ ○

ØVRE GRENSE : 1.0 2.5 3.6 6.3 >6.3



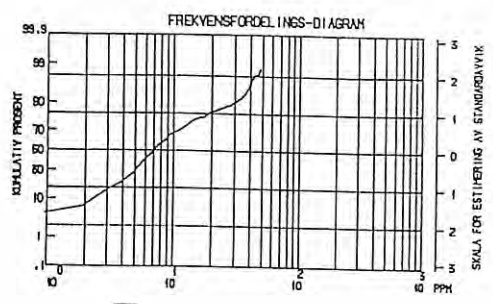
PPMAG
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 MAX= 7.2
 \bar{x} = 1.2

14Km

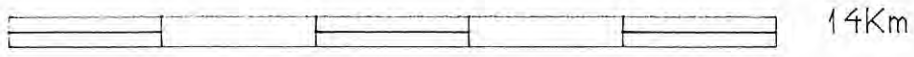


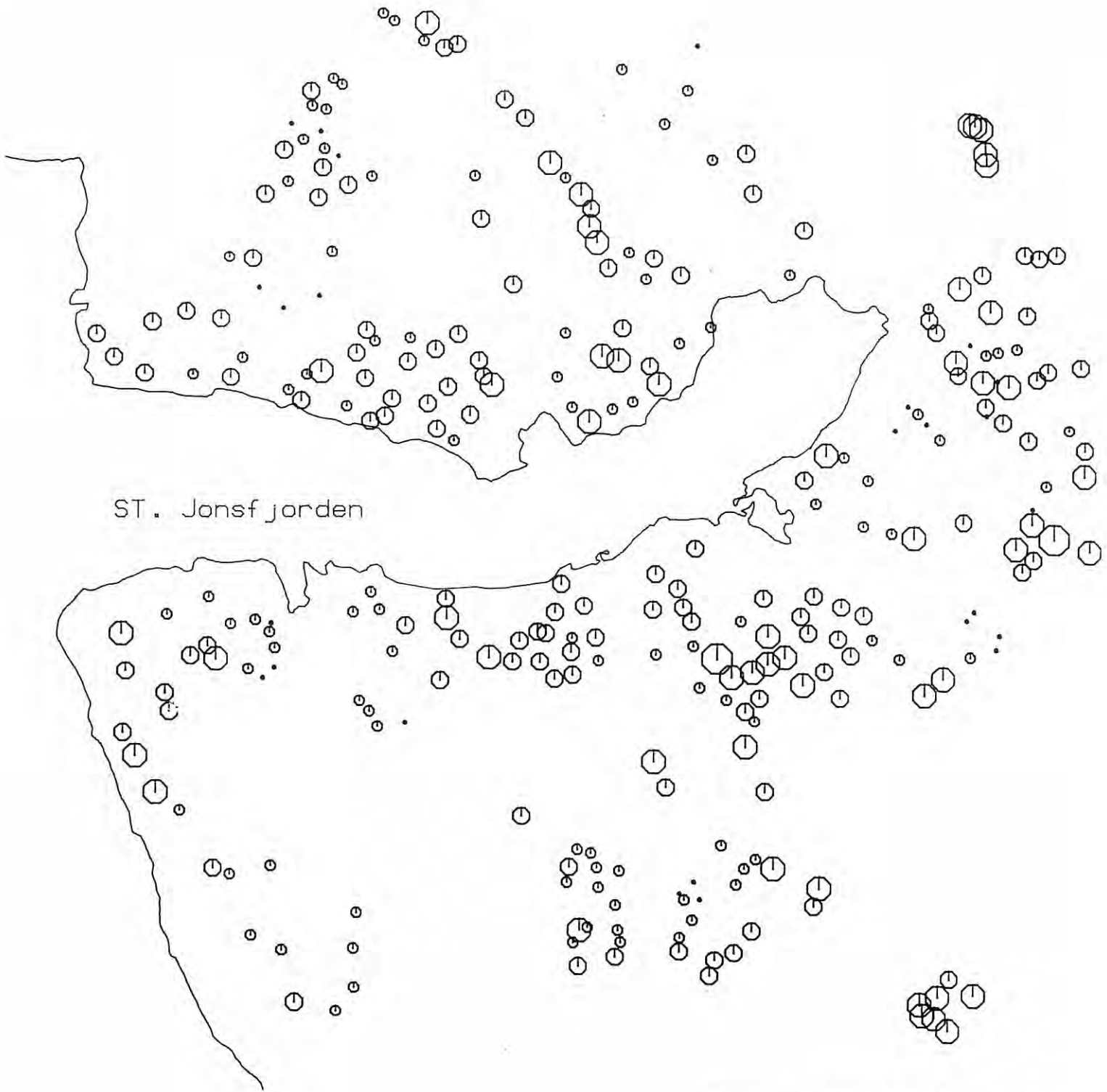
SYMBOL : . ⊖ ⊕

ØVRE GRENSE : 6.0 10.0 16.0 > 16.0



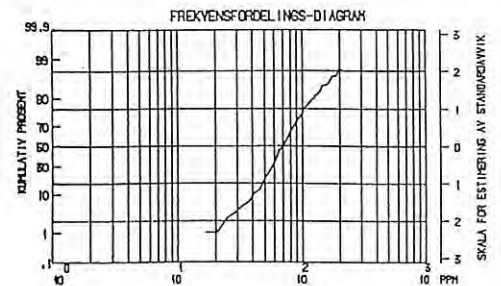
PPMB
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 MAX = 111.
 \bar{x} = 11.



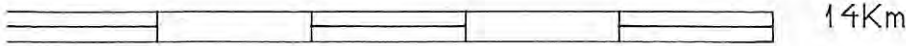


SYMBOL : . ○ ⊖ ⊕

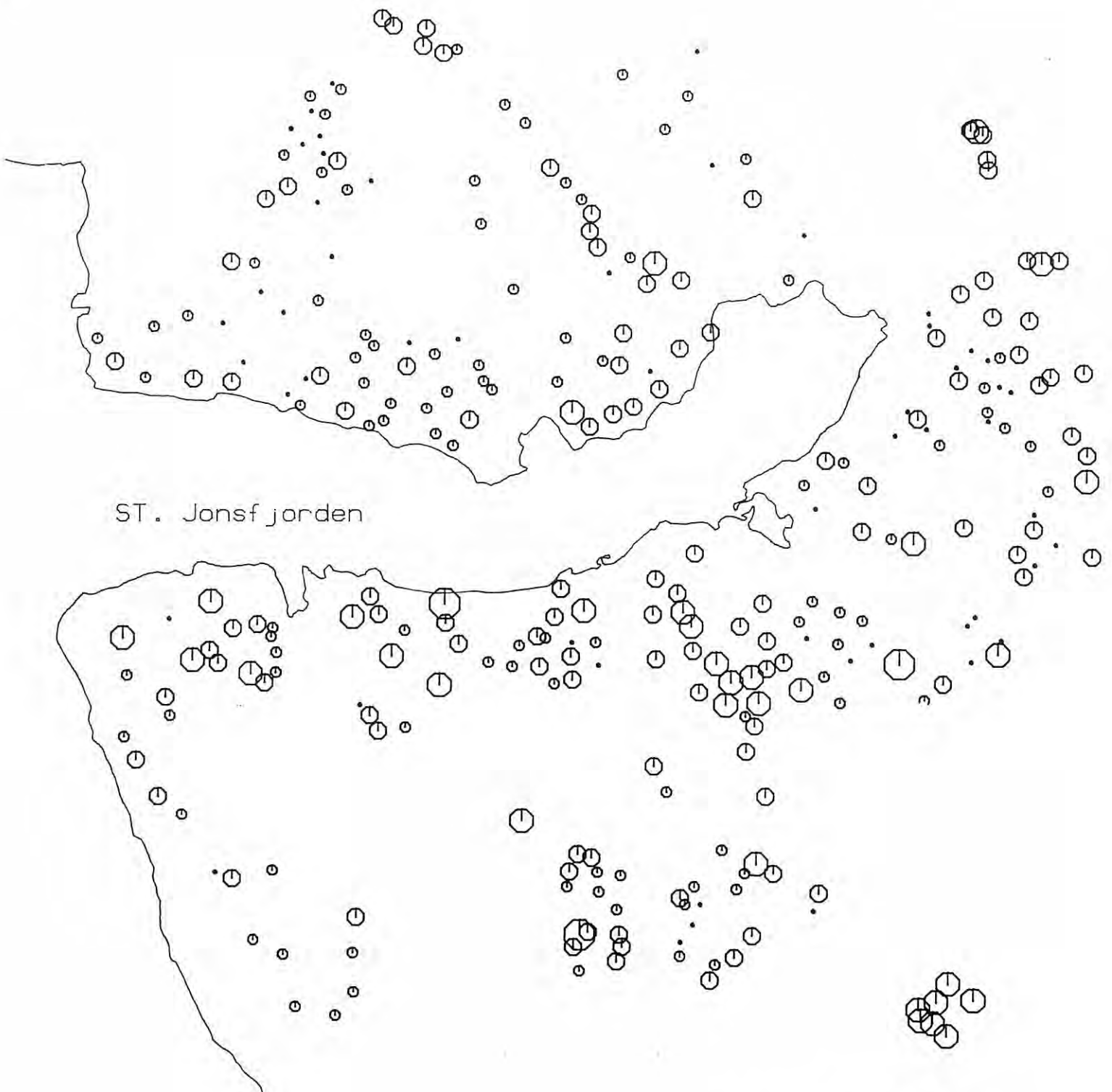
ØVRE GRENSE : 39 63 100 250 >250



PPM Ba
 N = 300
 MIN = 12.70
 MAX = 120.90
 \bar{x} = 77.61

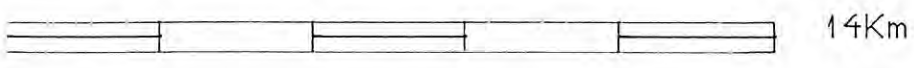
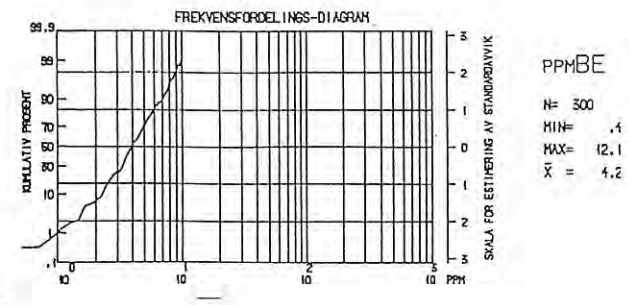


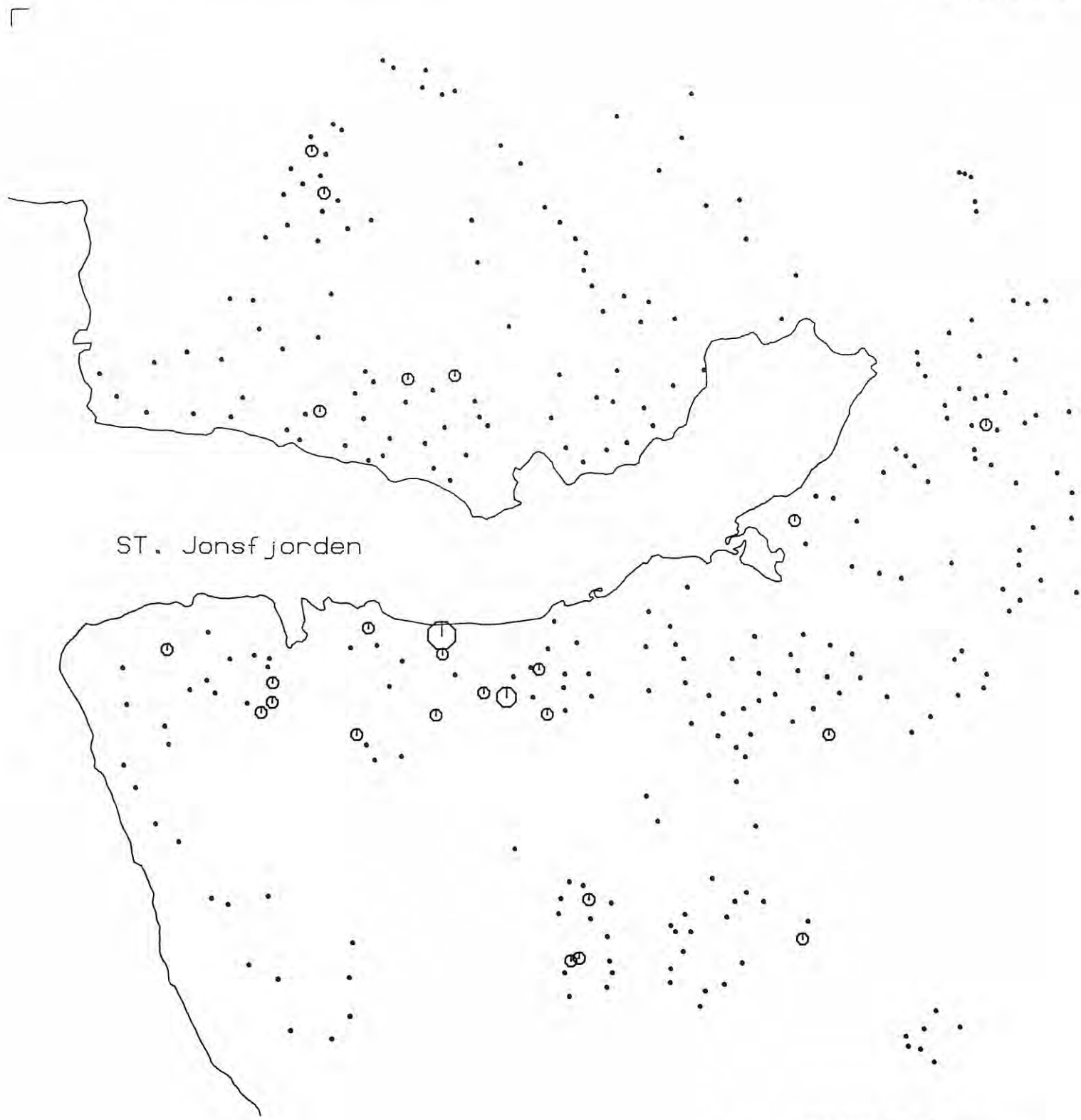
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


SYMBOL : . ○ ○ ○ ○ ○

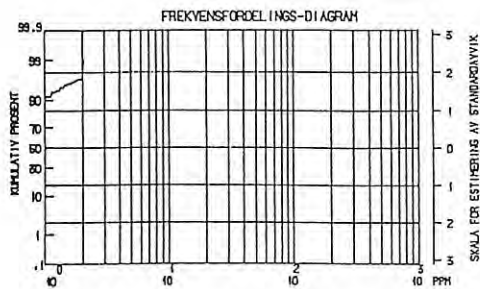
ØVRE GRENSE : 2.5 3.9 6.3 10.0 > 10.0



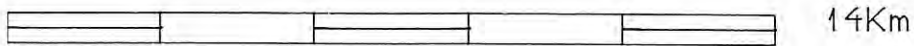


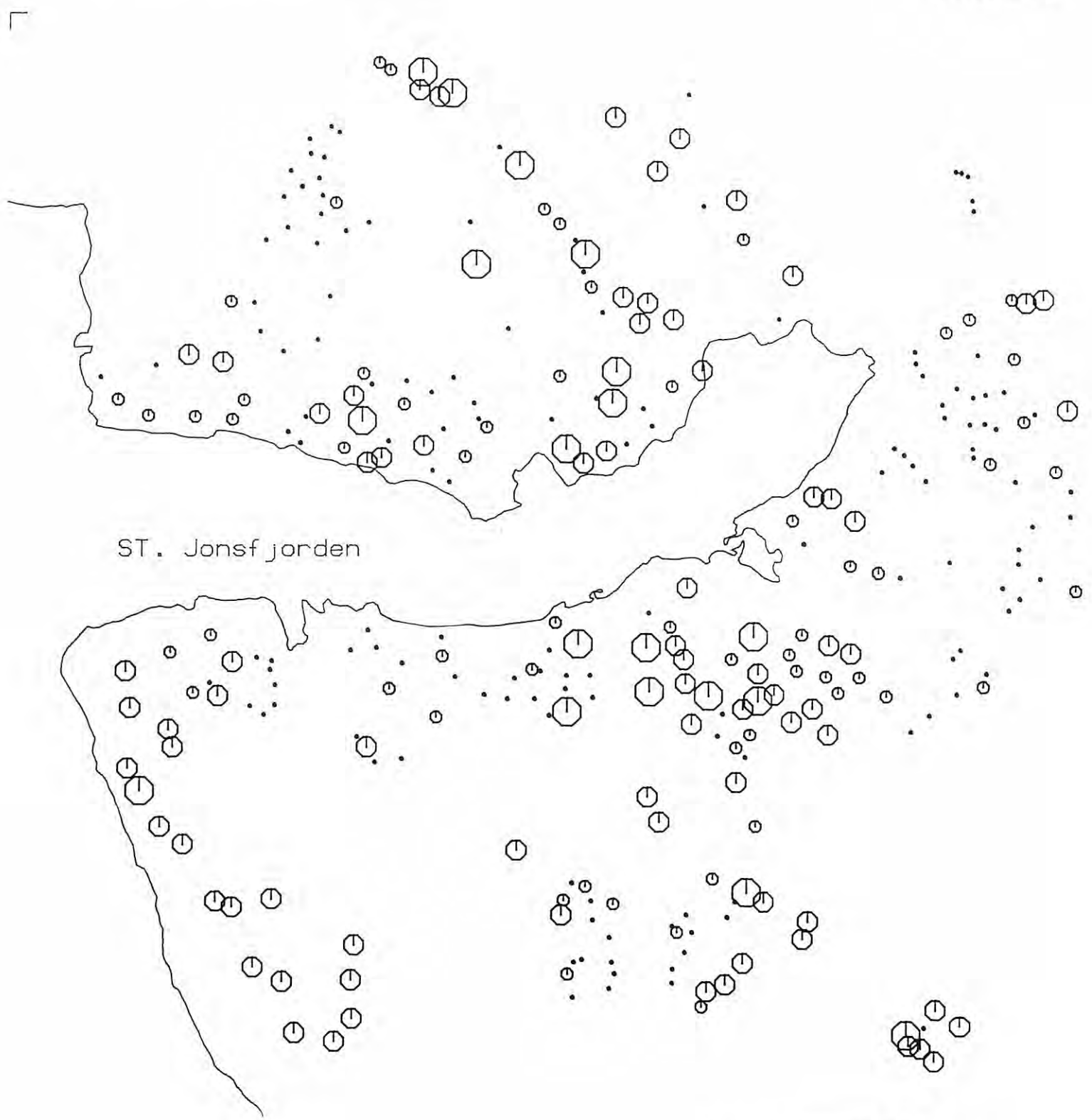
SYMBOL :    

ØVRE GRENSE : 1.0 2.5 3.9 >3.9



PPMCD
 N= 300
 MIN= 1.0
 MAX= 4.6
 \bar{x} = 1.0

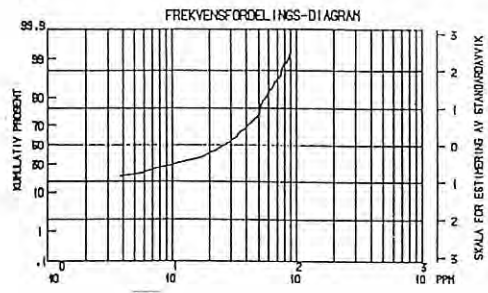




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SYMBOL : . ○ ⊖ ⊕

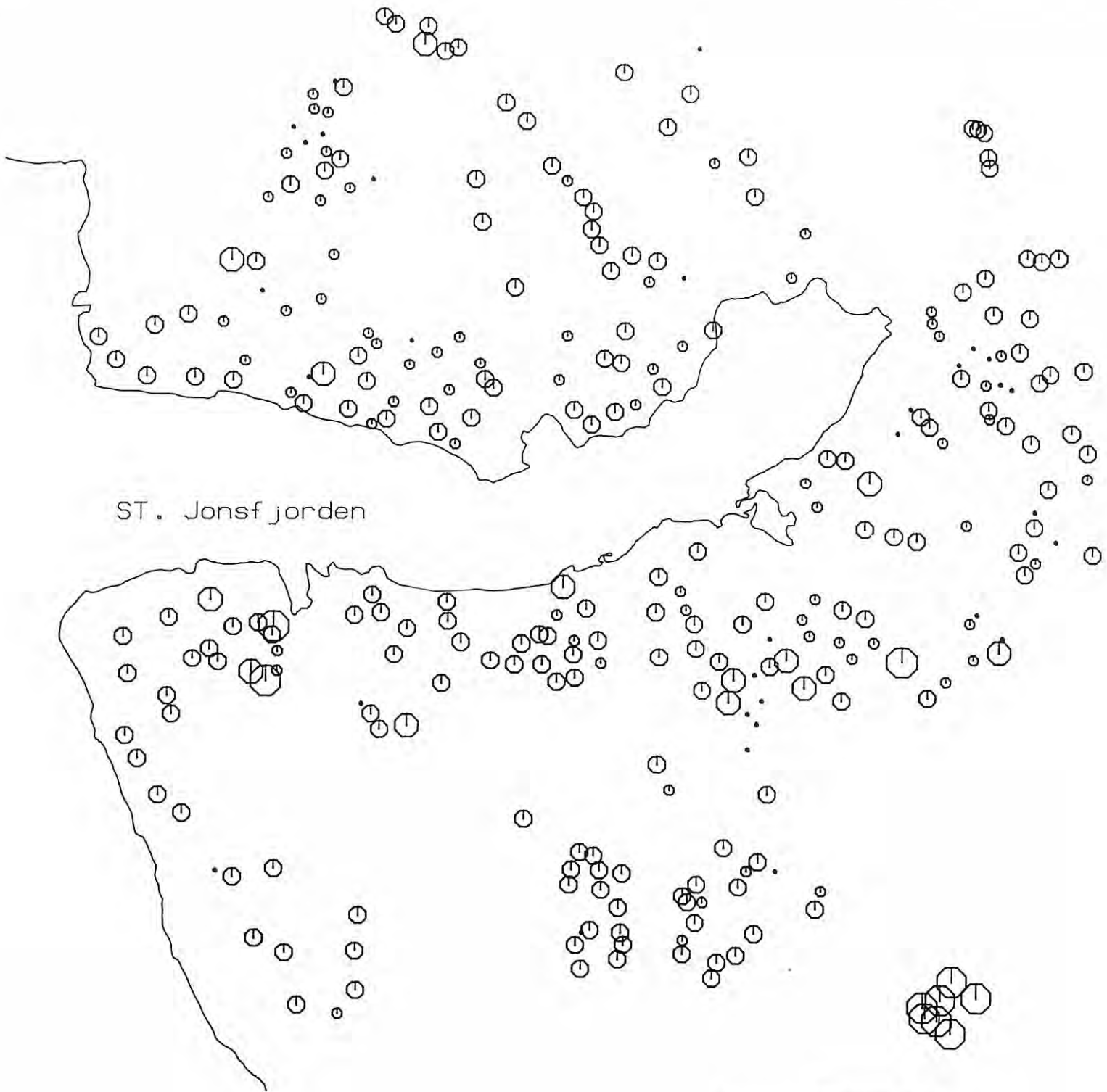
ØVRE GRENSE : 25 39 63 >63



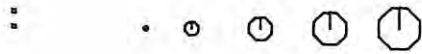
PPMCE
 N= 300
 MIN= 5.0
 MAX= 89.



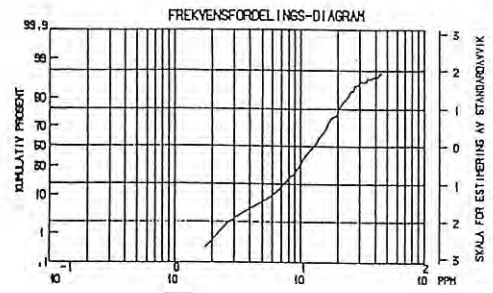
14Km



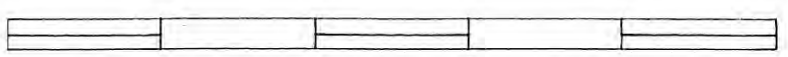
SYMBOL



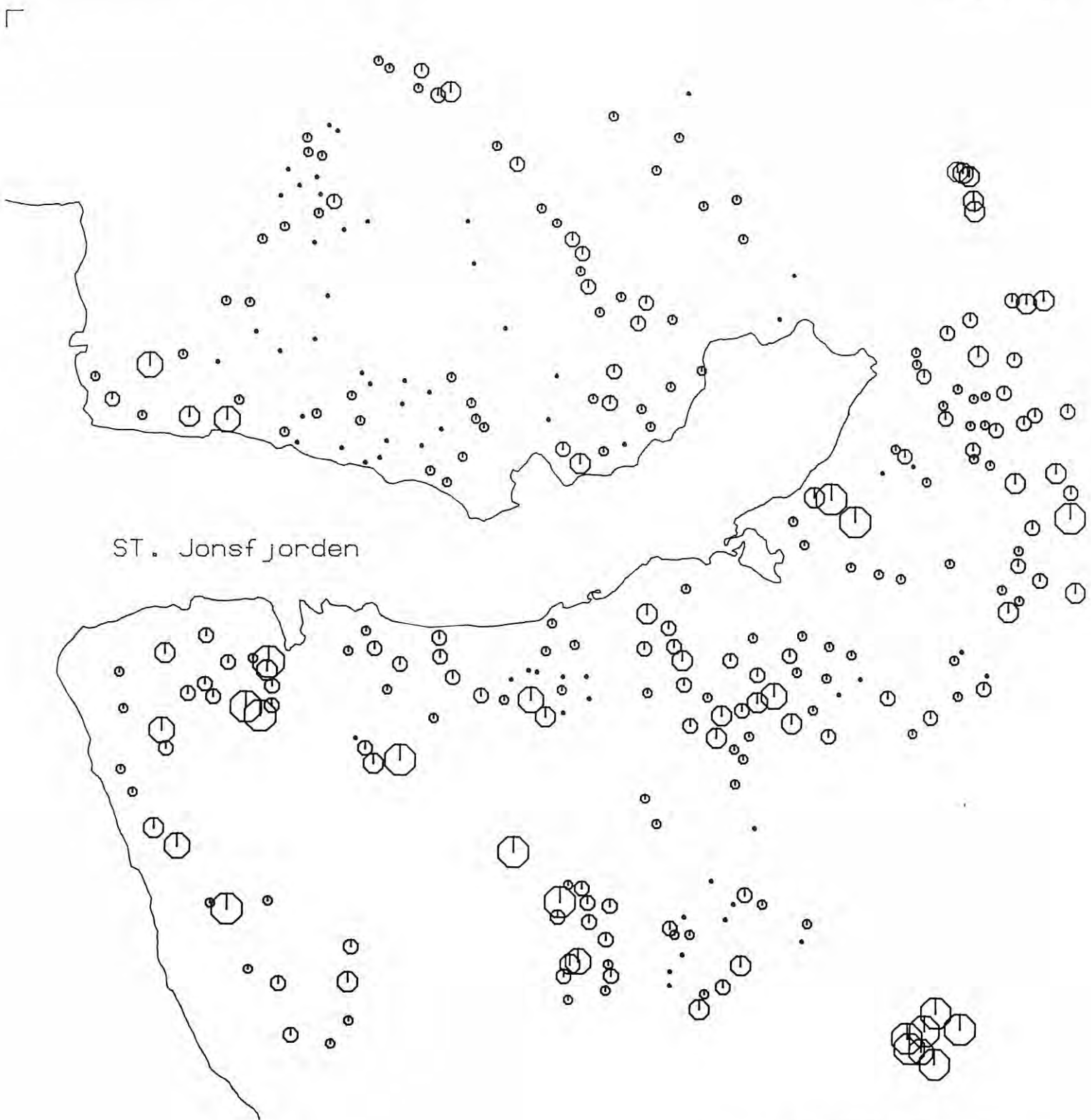
ØVRE GRENSE : 6 10 25 39 >39



PPM CO
 N= 300
 MIN= 1,4
 MAX= 65,1
 x̄ = 14,4

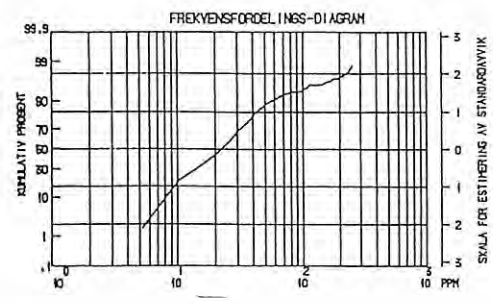


14Km

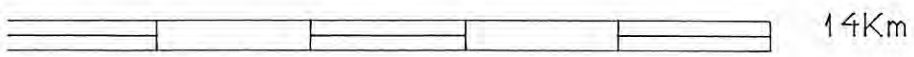


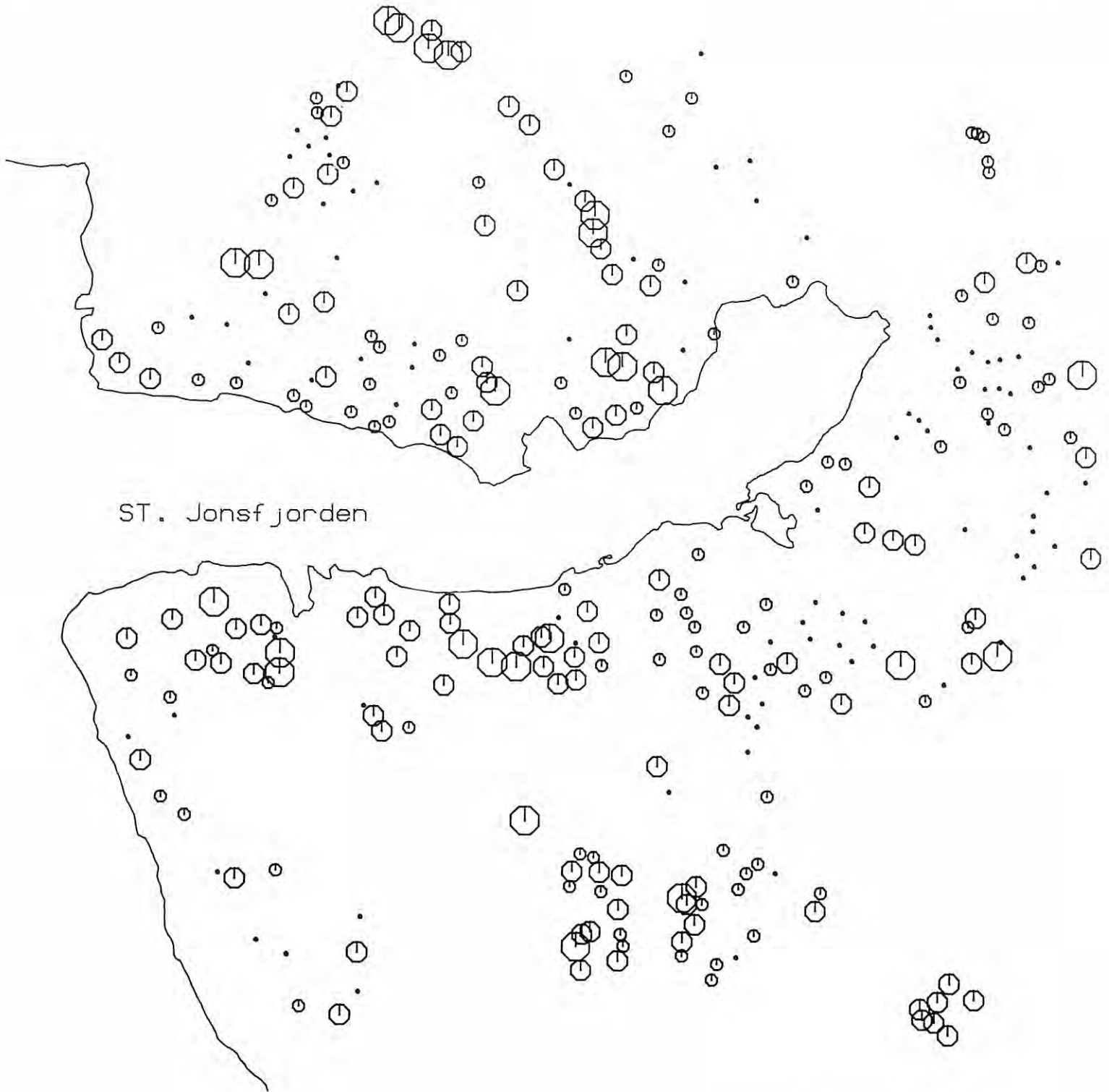
SYMBOL :

ØVRE GRENSE : 10 25 39 63 100 > 100



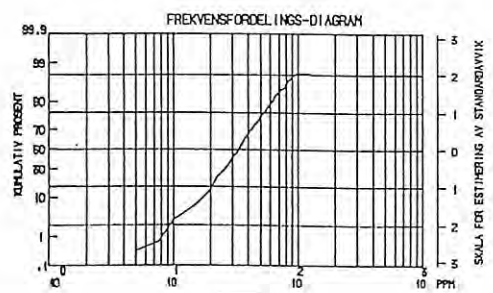
PPMCR
 N = 300
 MIN = 2.20
 MAX = 826.40
 \bar{x} = 36.75



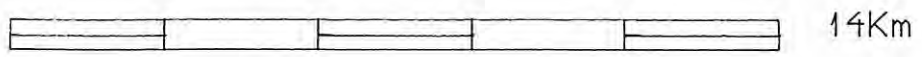


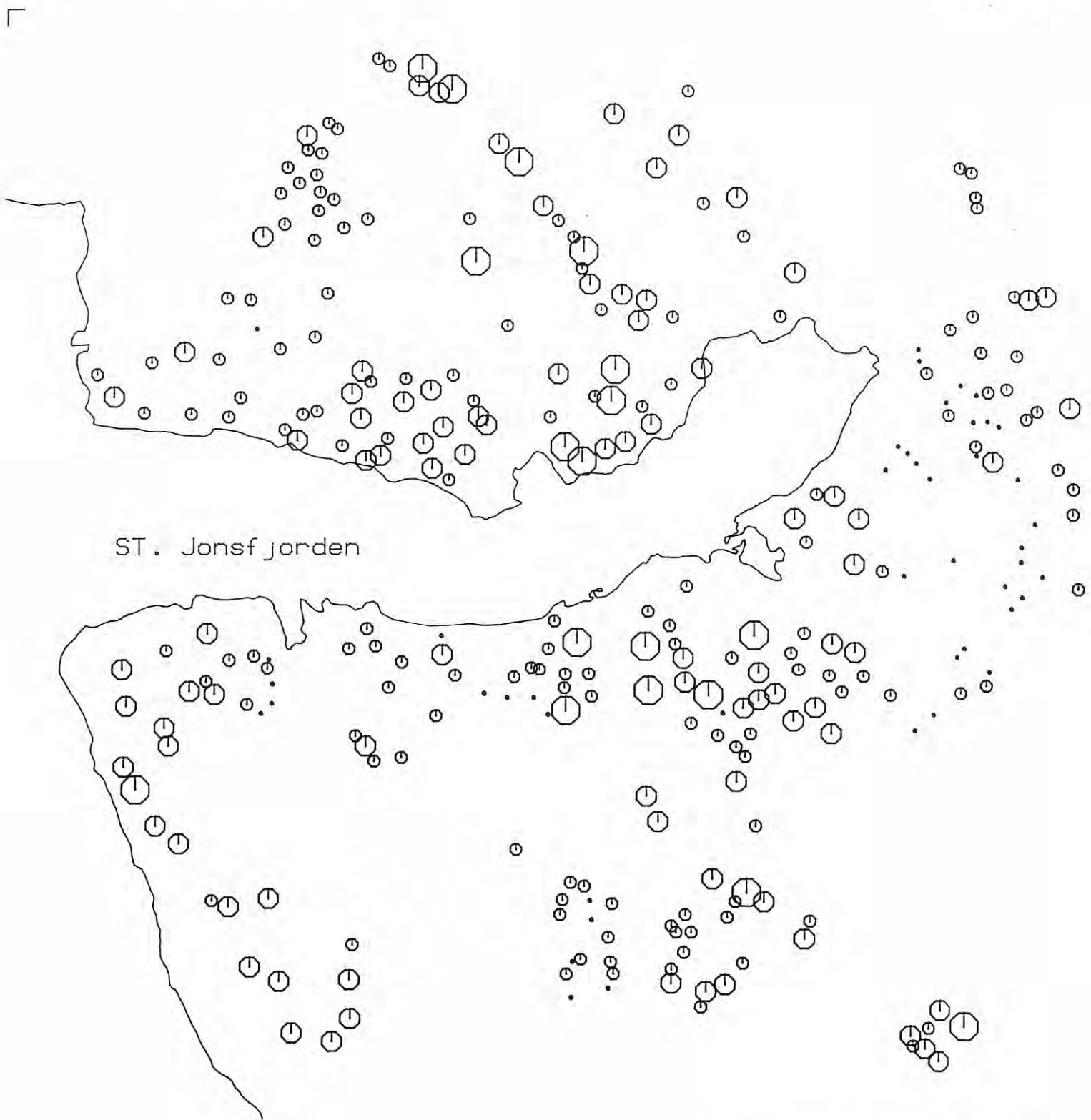
SYMBOL : . ○ ⊖ ⊕

ØVRE GRENSE : 25.0 36.0 63.0 >63.0



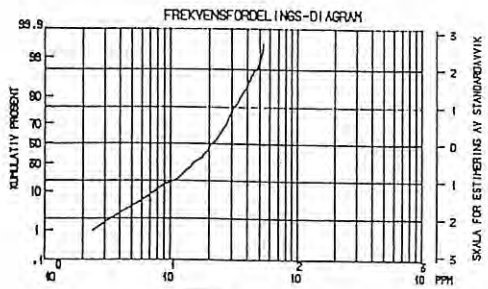
PPMCU
 N= 300
 MIN= 3.2
 MAX= 267.1
 \bar{x} = 38.1



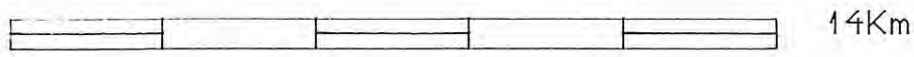


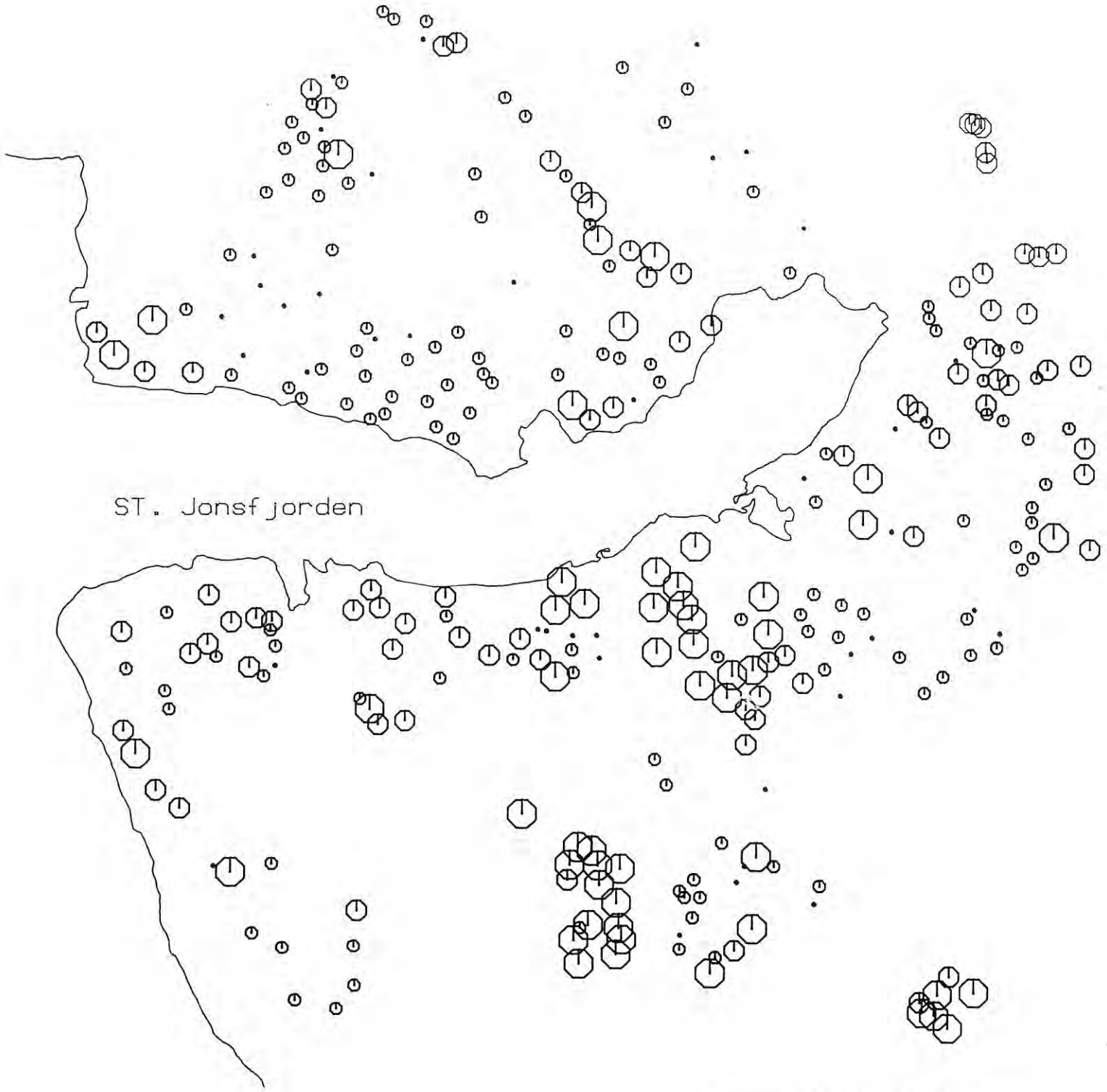
SYMBOL :

ØVRE GRENSE : 10 25 39 63 >63



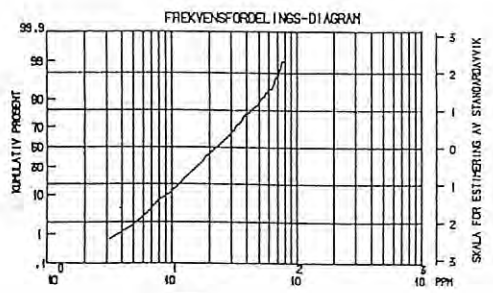
PPMLA
 N= 300
 MIN= 1.7
 MAX= 54.4
 \bar{x} = 21.2



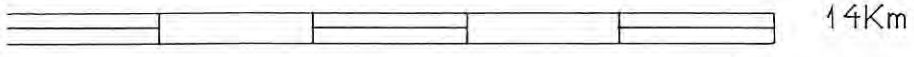


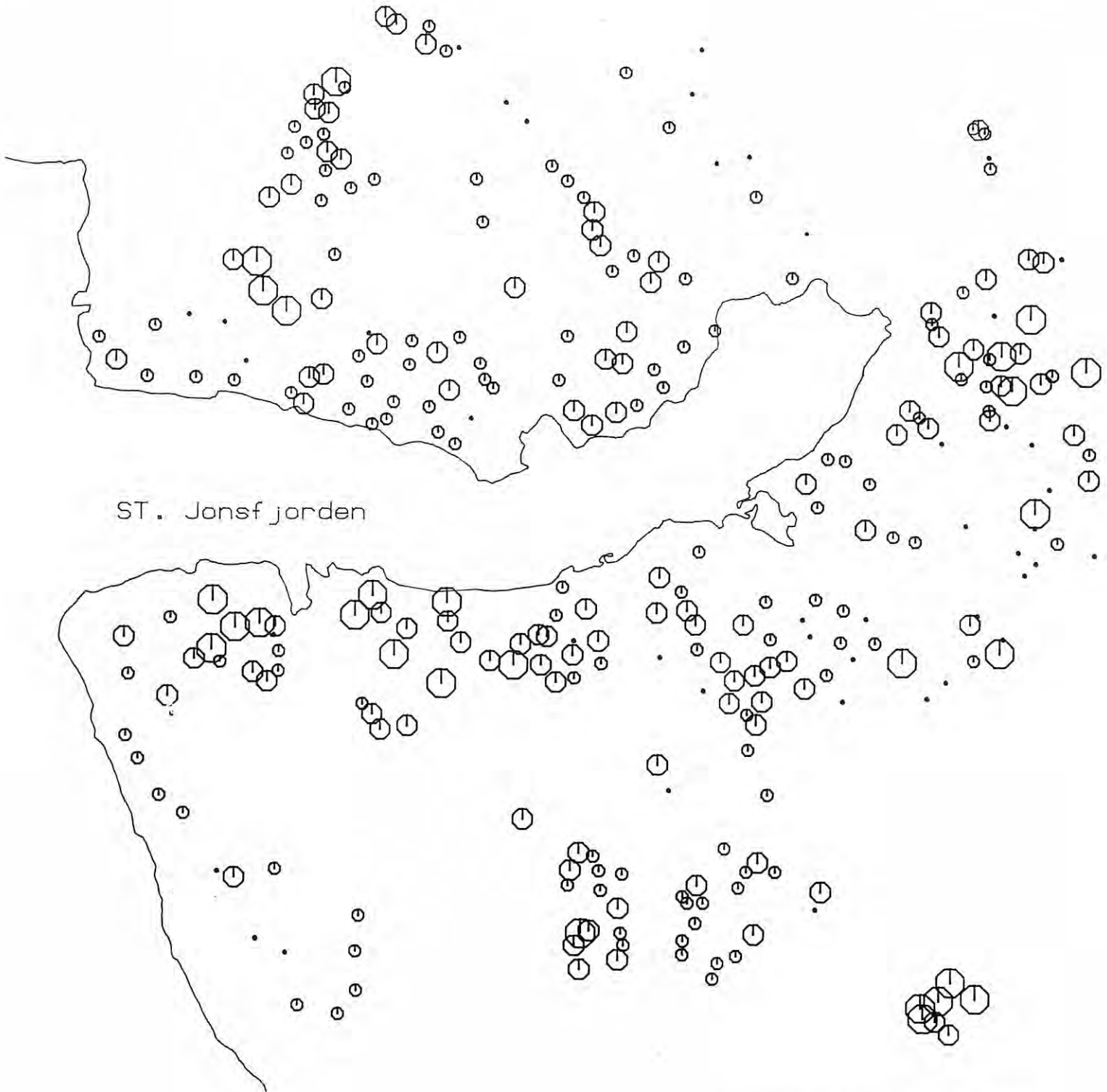
SYMBOL :

ØVRE GRENSE : 10 25 39 >39



PPM Li
 N = 300
 MIN = 1.8
 MAX = 95.7
 \bar{x} = 26.6

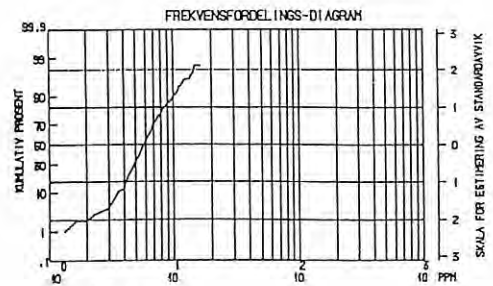




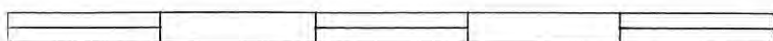
ST. Jonsf jorden

SYMBOL :

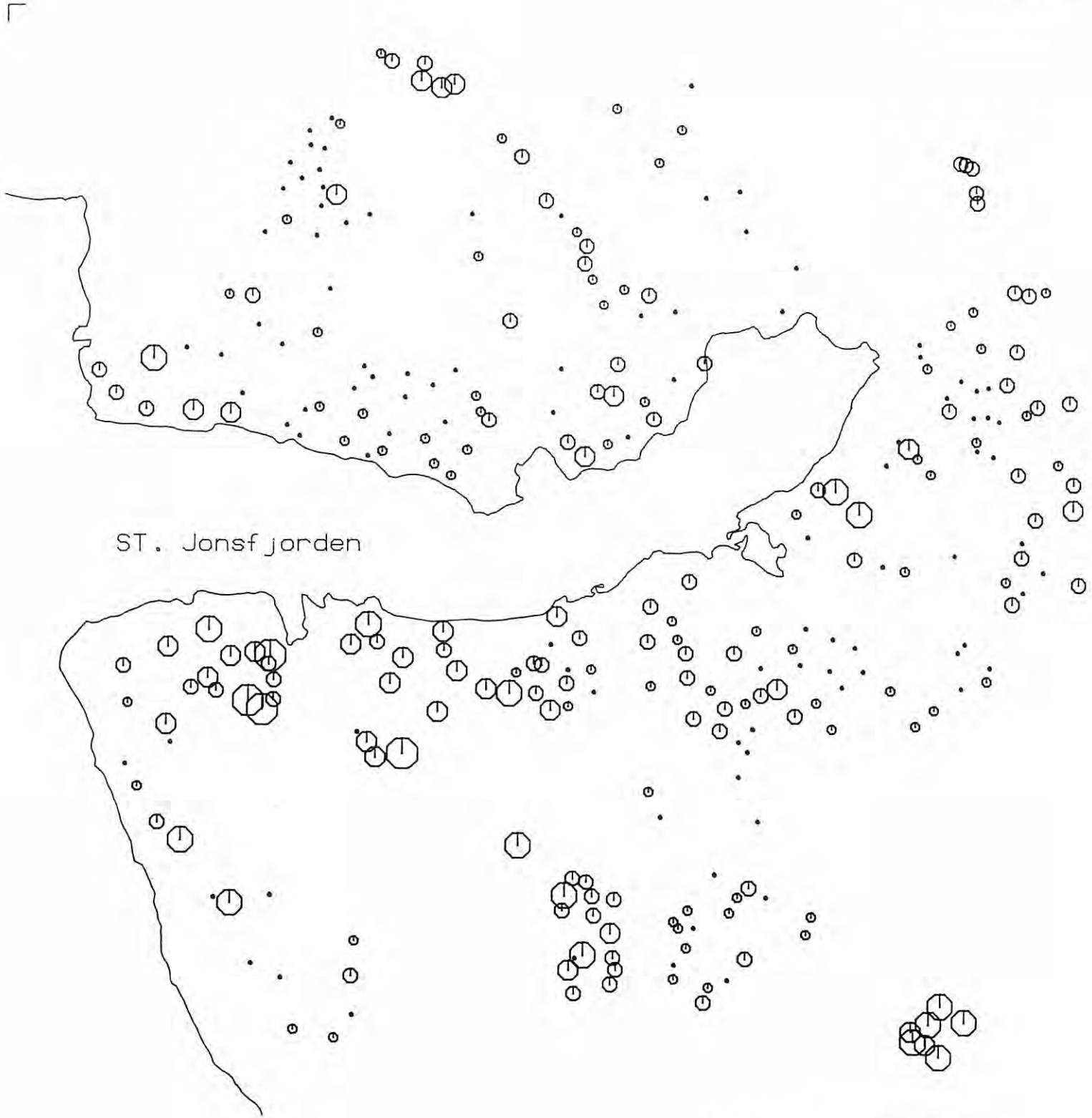
ØVRE GRENSE : 46 10 > 10



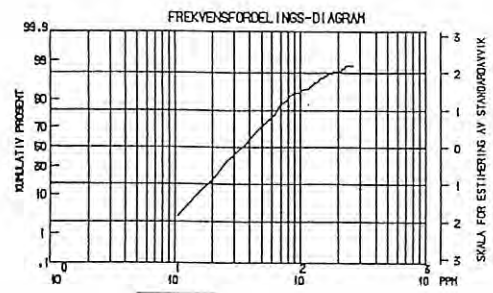
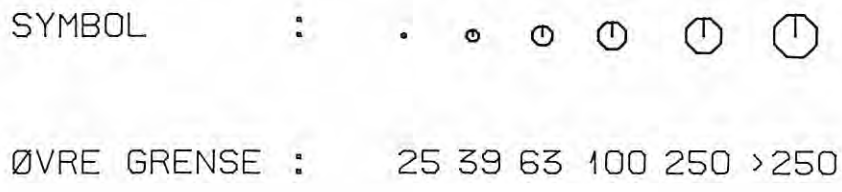
PPM MO
 N= 300
 MIN= 1.0
 MAX= 51.5
 X̄ = 6.2



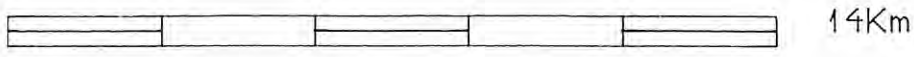
14Km

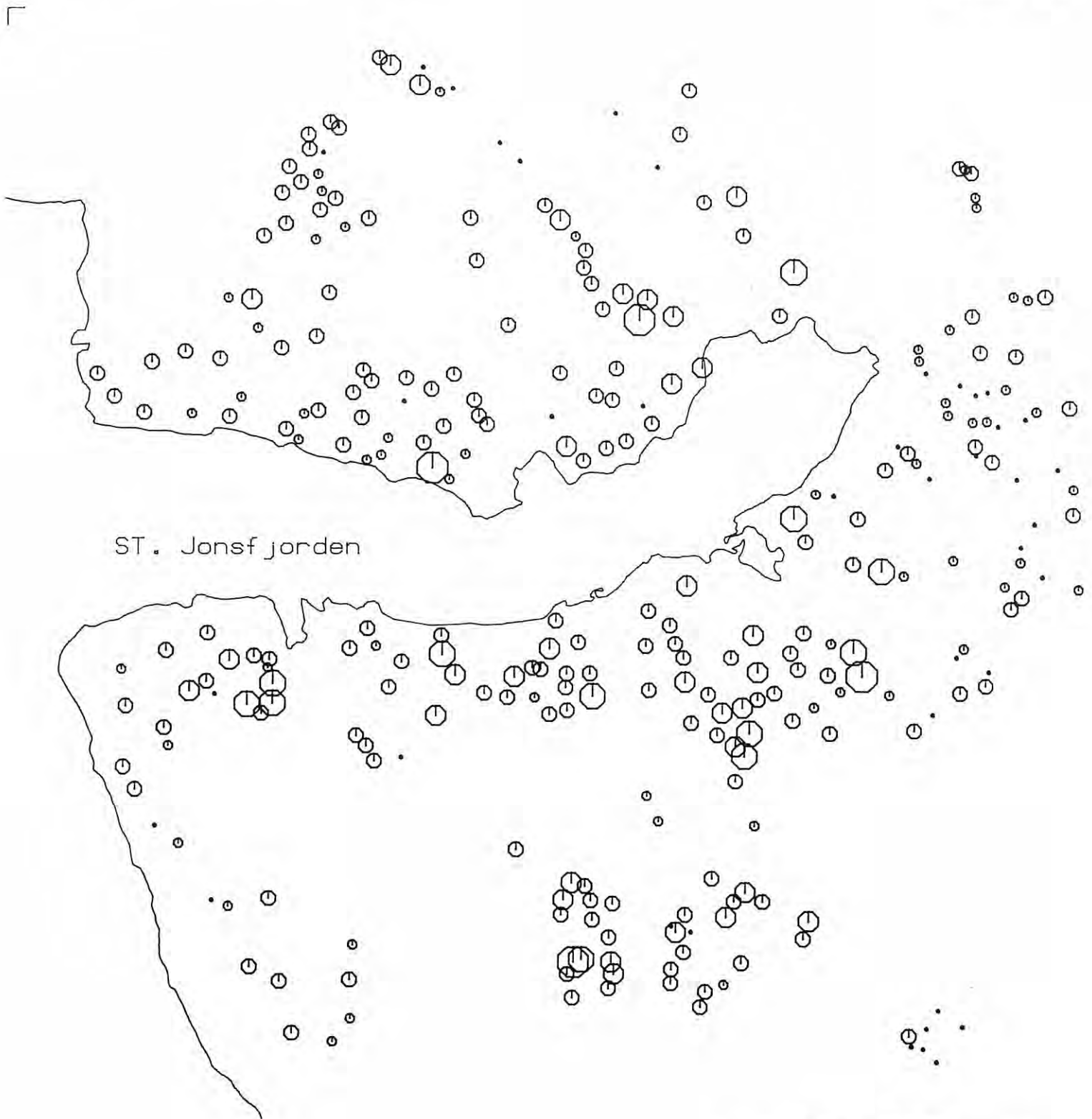



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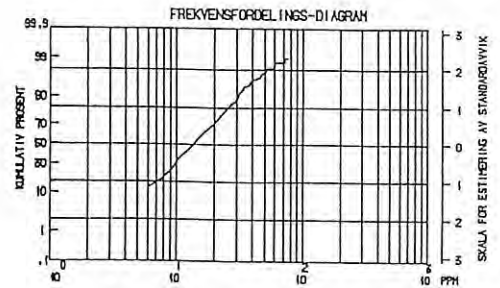
PPM_N |
 N= 300
 MIN= 5.5
 MAX= 797.7
 \bar{x} = 48.5



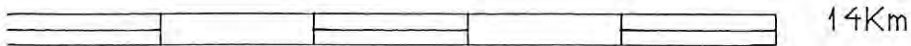


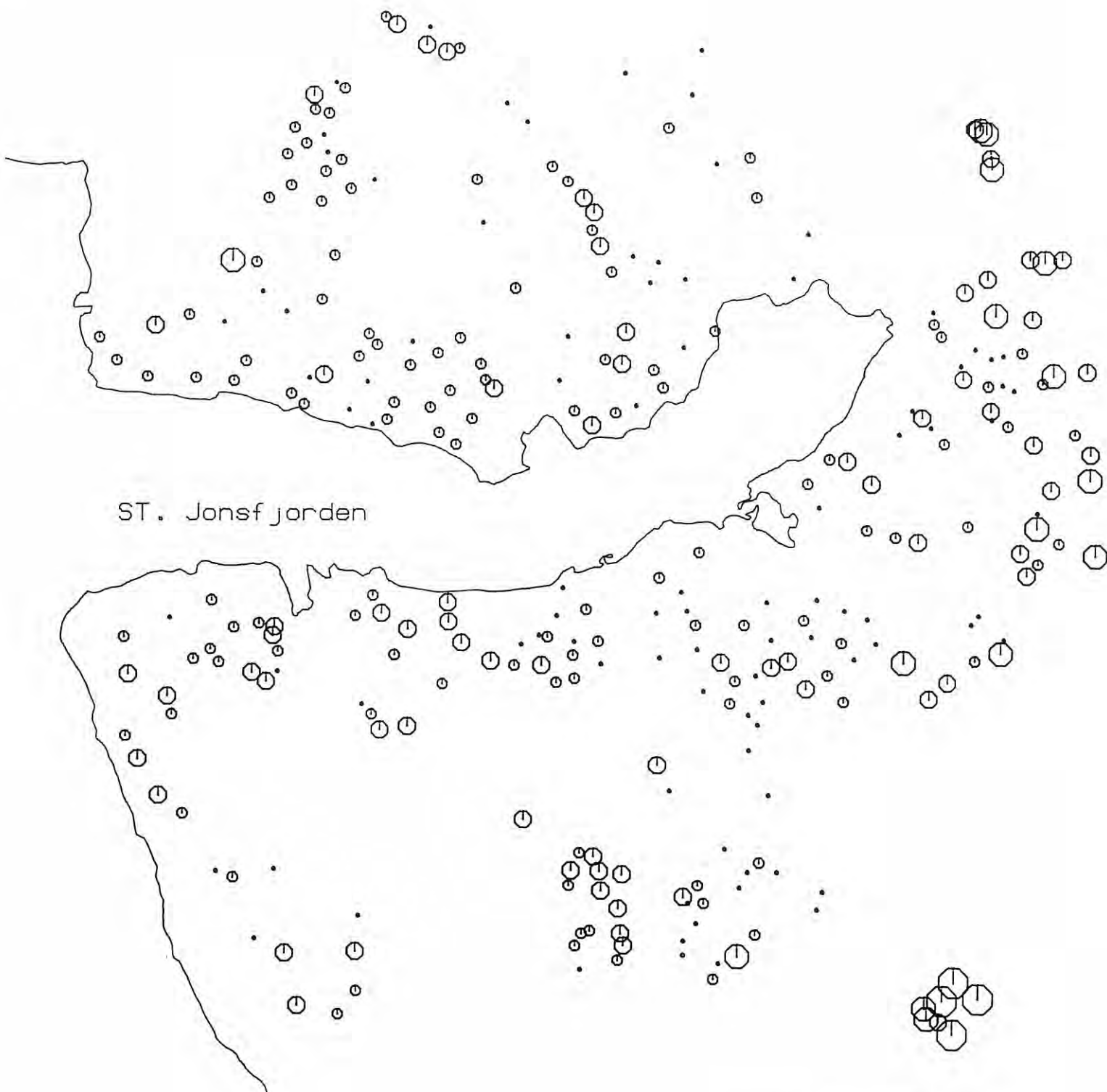
SYMBOL : 

ØVRE GRENSE : 6 10 25 36 63 >63



PPM Pb
 N= 500
 MIN= 5,0
 MAX= 219,2
 \bar{x} = 17,2

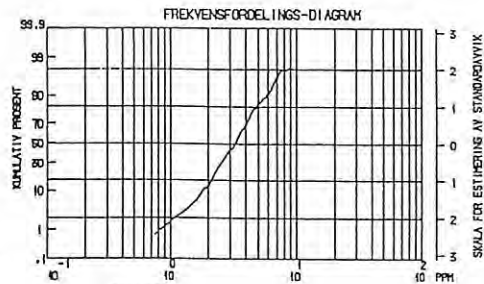




SYMBOL

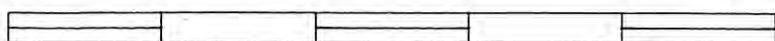


ØVRE GRENSE : 2.5 3.9 6.3 10.0 > 10.0

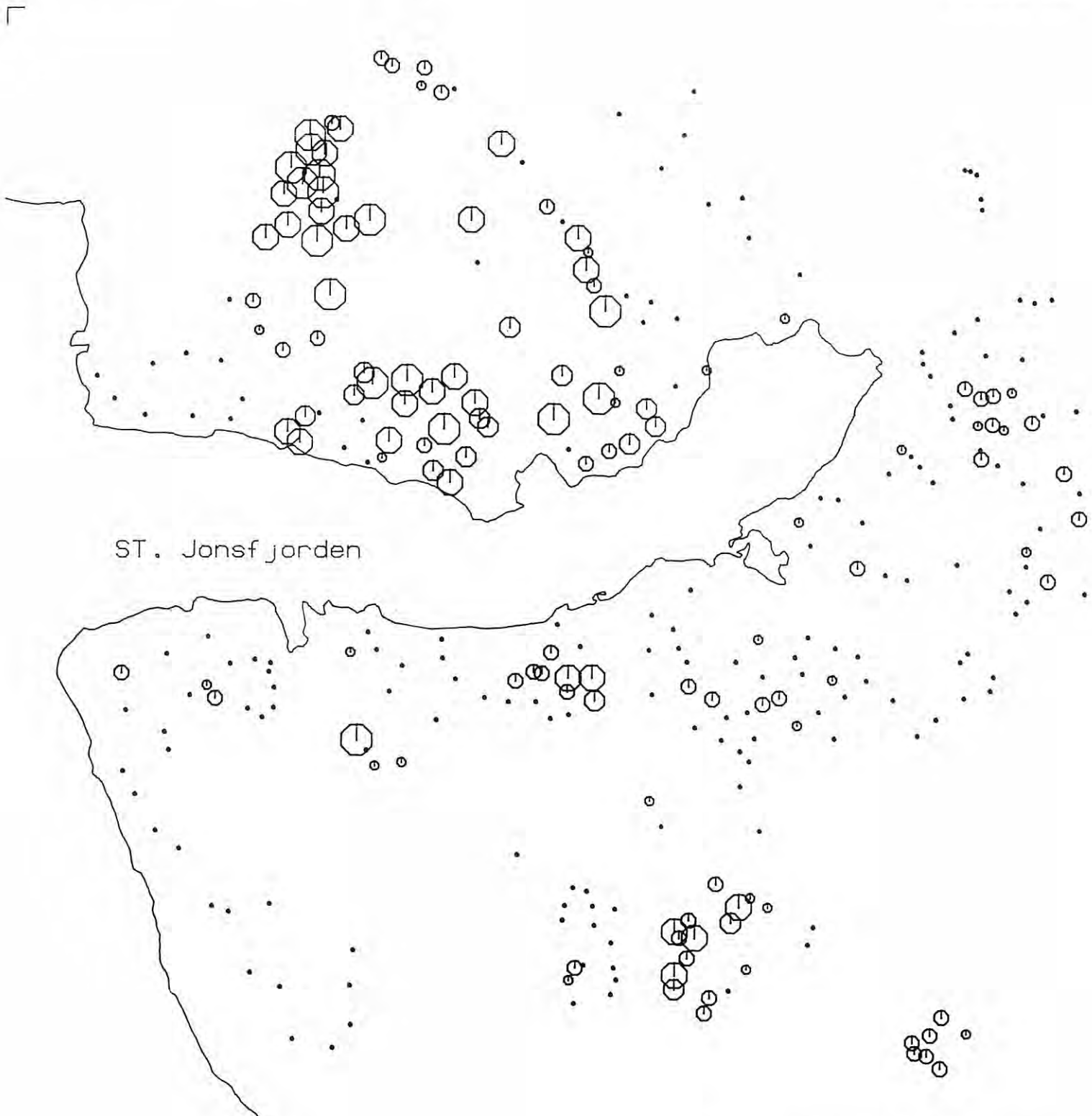









PPMSC

N = 300
 MIN = .6
 MAX = 15.0
 \bar{x} = 3.5

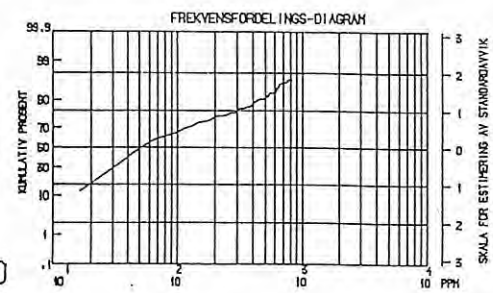


14Km

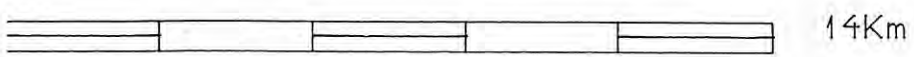


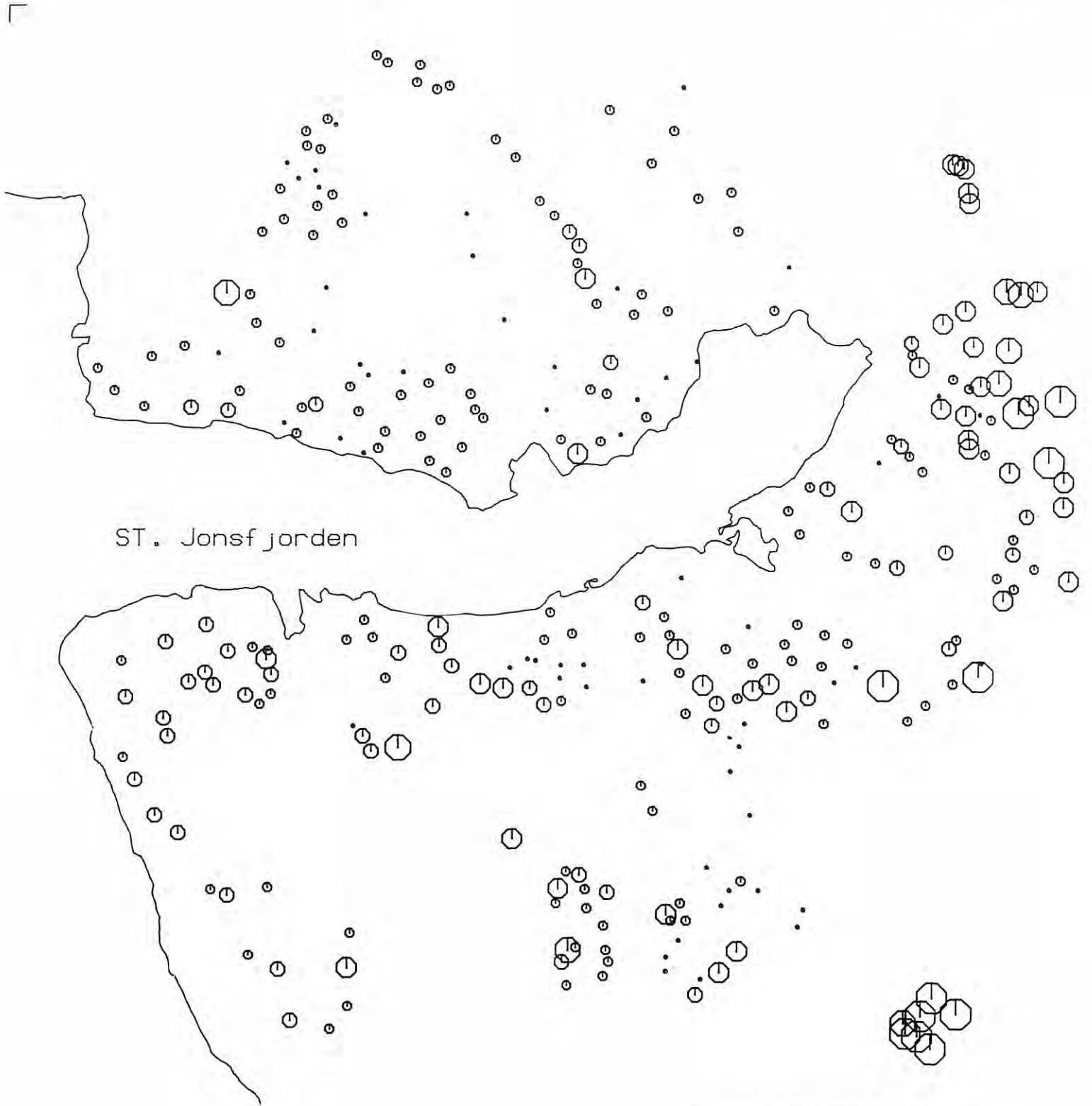
SYMBOL :       

ØVRE GRENSE : 63 100 250 360 630 >630



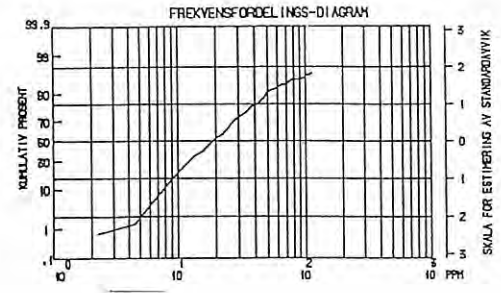
PPMSR
 N= 300
 MIN= 2.2
 MAX= 1300.0
 \bar{x} = 147.7



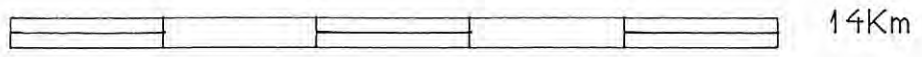


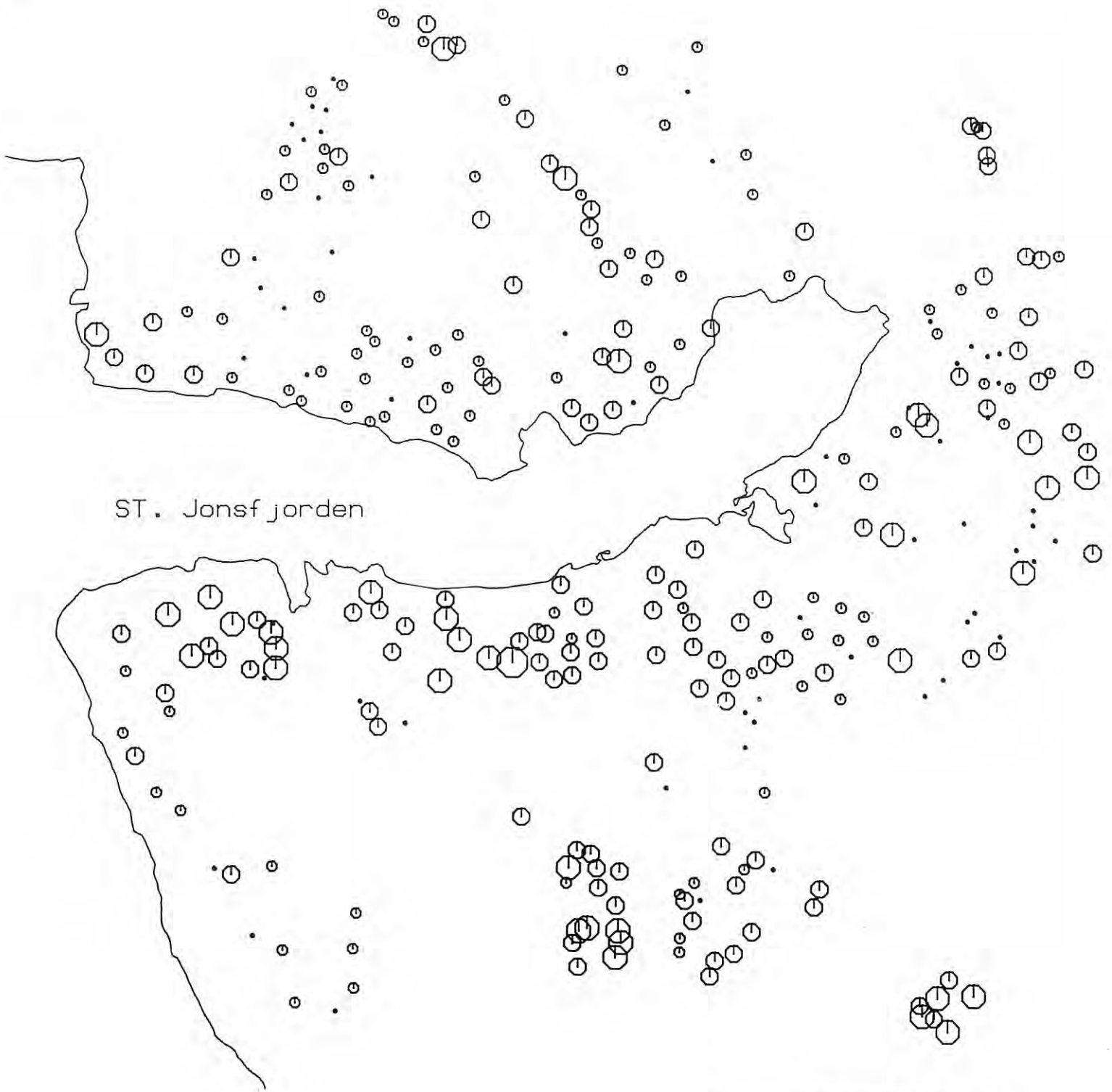
SYMBOL : . ● ○ ⊖ ⊕ ⊗

ØVRE GRENSE : 10 25 36 63 100 > 100



PPMV
 N = 300
 MIN = 1.7
 MAX = 172.8
 \bar{x} = 26.8

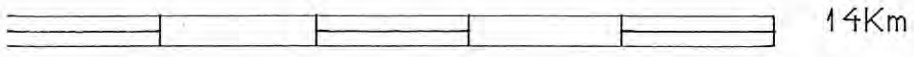
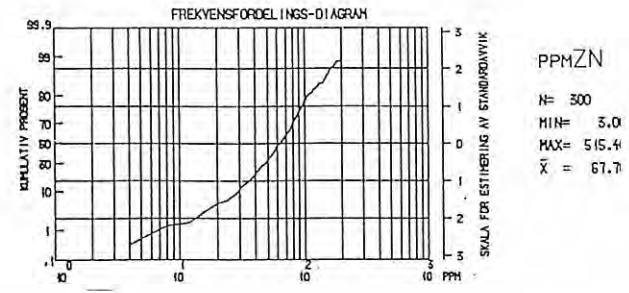


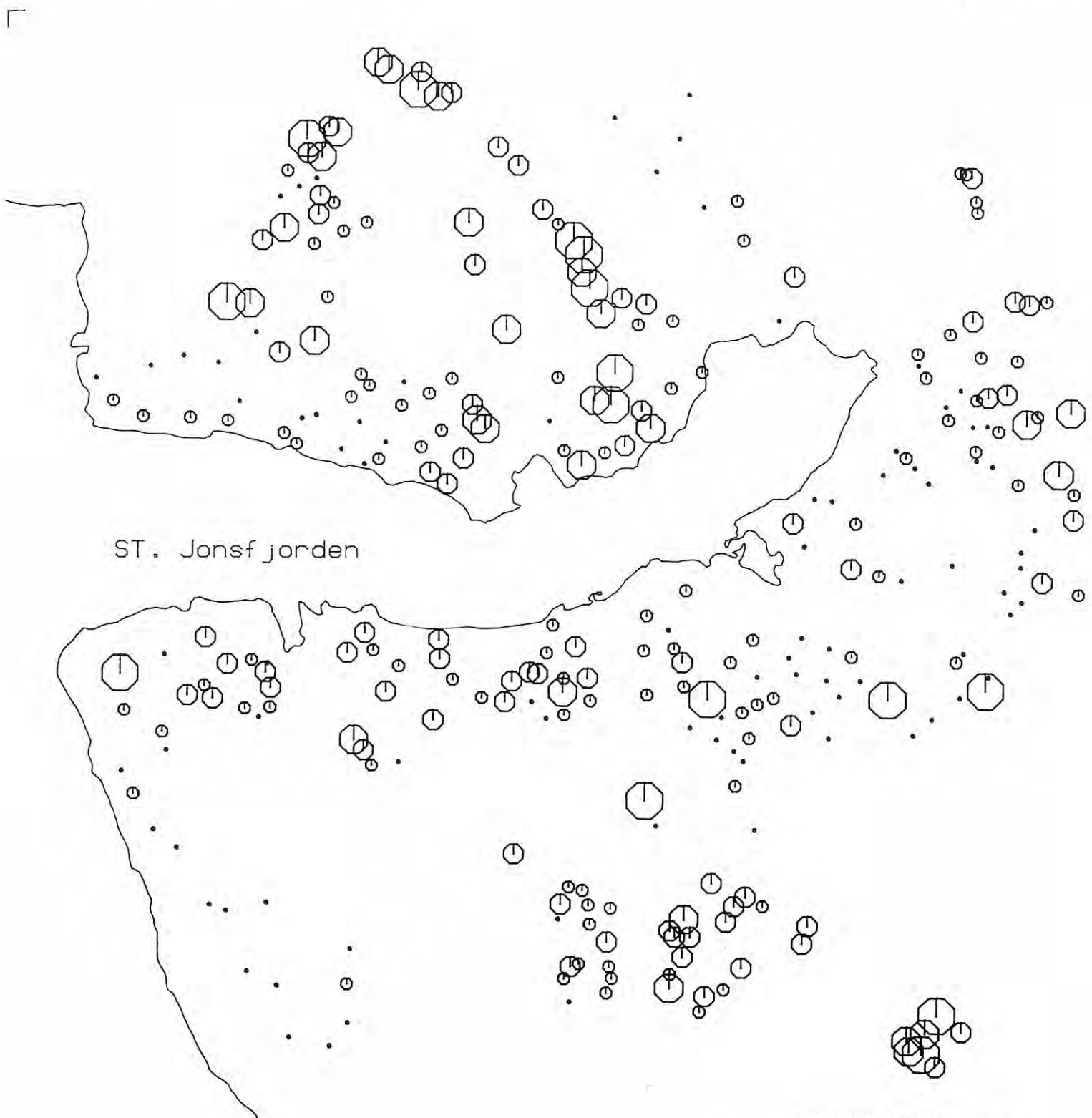


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SYMBOL : . ○ ⊖ ⊕ ⊖

ØVRE GRENSE : 39 63 100 250 >250





SYMBOL

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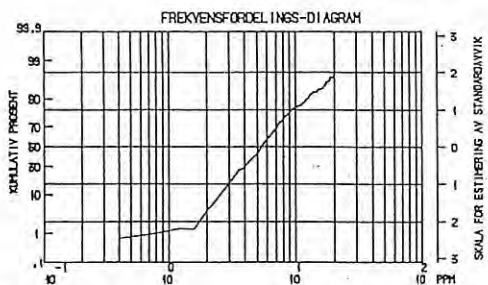
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ØVRE GRENSE :

6.9 6.3 10.0 16.0 16.0



PPMZr
 N= 300
 MIN= 6.3
 MAX= 25.1
 \bar{x} = 6.9

14Km