NGU-rapport 85.171

Geokjemi i Nord-Trøndelag bekkevann i områdene vest for riksvei E6

Norges geologiske undersøkelse

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Tittel:

Geokjemi i Nord-Trøndelag - bekkevann i områdene vest for riksvei E6.

Forfatter:	Oppdragsgiver:
Ola M. Sæther	
Fylke: Nord-Trøndelag	Kommune:
Kartbladnavn (M. 1:250 000)	Kartbladnr. og -navn (M. 1:50 000)
Forekomstens navn og koordinater:	Sidetall: 57 Pris: 95,- Kartbilag: 0

Feltarbeid utført:	Rapportdato:	Prosjektnr.:	Prosjektleder:
	10.10.85	1889	R. Boyd

Sammendrag:

Bekkevannsprøver (243 stk.) med tetthet ca. 1 prøve pr. 30 km^2 er samlet inn i vestlige deler av Nord-Trøndelag. Prøvene er analysert på 21 elementer med ICP, 5 anioner med ILC, samt pH og konduktivitet.

Resultatene presenteres i form av analyselister, korrelasjonsmatrise og symbolkart med frekvensfordelingskurver.

Emneord	Nord-Trøndelag	Bekkevann
	Geokjemi	ICP-21, ICL-5, pH, H

Hydrogeologiske rapporter kan lånes eller kjøpes fra Oslokontoret, mens de øvrige rapportene kan lånes eller kjøpes fra NGU, Trondheim.

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INNLEDNING

Målsettingen for Nord-Trøndelags-programmet er å gjennomføre geologiske undersøkelser slik at fylkets mineralressurser blir kartlagt. Videre skal behovene for geologiske data hos brukergrupper også utenfor prospekteringsintustrien bli dekket i størst mulig grad. Feltundersøkelser innenfor geokjemi som er gjennomført per 1.januar 1984, er beskrevet i NGU-rapport 84.069.

I denne rapport presenteres reultatene som er produsert ved analyser av bekkevann. Prøveinnsamlingen ble gjennomført høsten 1982 og sommeren 1983 med prøvetakingstetthet 1 prøve per 30 km^2, dvs. tilsvarende den prøvetakingstetthet som er benyttet i Nordkalott-prosjektet. Området dekker hovedsaklig den delen av Nord-Trøndelag som ligger vest for riksvei E-6 pluss et kartblad (Vuku 1722I) mellom Verdalsdalføret og Ogndalsdalføret. Følgende kartblad (M1:50 000) er helt eller delvis prøvetatt:

1622 I Verran
1622 II Frosta
1622 III leksvik
1622 IV Åfjord
1623 I Jøssund
1623 II Holden
1624 I Vikna
1624 II Nord-Flatanger
1722 I Vuku
1722 IV Stiklestad
1723 I Overhalla
1723 II Snåsavatnet
1723 III Steinkjer
1723 IV Namsos
1724 II Skogmo
1724 III Jøa
1724 IV Kolvereid
1824 III Harran

Fra de samme områdene er det også samlet inn bekkesedimenter, humus, bekkemoser, bekketorv og løsmasse. Resultatene av analysene av disse prøvene blir rapportert etterhvert som de er ferdig analysert og kartframstilt.

Fra de samme områder, men med større prøvetetthet (ca. 1 prøve per 3 km^2) foreligger et sett med 2736 bekkesedimenter. Resultatene fra dette prøvesettet er presentert i NGU-rapport 84.116.

I løpet av 1984 er det forøvrig samlet inn ca. 1200 bekkesediment prøver med prøvetetthet 1/3 km^2 fra områdene øst for riksvei E6 mellom Stjørdalsdalføret og Ogndalsdalføret, og ca. 550 bekkesediment-prøver med samme prøvetetthet fra den delen av Sør-Trøndelag som ligger på Fosen. I feltsesongen 1985 vil prøver fra områdene øst for E-6 og nord for Ogndalen bli samlet inn. Tidligere innsamlede prøver fra Grong-feltet er slått sammen og analyseres i løpet av sommeren 1985.

MATERIALE, ANALYSER, BEARBEIDING

Bekkevannsprøvene er samlet inn på samme prøvelokalitet der de øvrige prøvemedier er samlet inn. Prøvene ble filtrert med Millipore(R) filter 0.40 um på prøvetakingsstedet og oppbevart på polyetylene flasker i en surgjort (ultraren HNO_3) og ikke-surgjort del. Temperatur, konduktivitet og pH ble målt umiddelbart. I laboratoriet ble den surgjorte delen analysert med ICP emisjonsspektrometer (Jarrell Ash Mod) på 21 elememnter:

Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li og K.

Den ikke-surgjorte delen ble analysert med F^-, Cl^-, Br^-, NO_3^- og SO_4^{--}. Beregning av statistiske parametre og kartfremstilling ble utført etter standard metoder på HP3000 med Tektronix grafisk skjerm.

RESULTATER

Resultatene for 243 bekkevannsprøver som presenteres her bør betraktes i lys av de anomaliområder som er avgrenset basert på analyse og kartfremstilling av 2736 bekkesedimentprøver:

Leksvik/Mosvik
Fines
Sela
Fosdalen
Snåsa
Skage
Skage/Grong
Harran
Kongsmoen
Områder øst for Kongsmoen
Områder øst for Jøa

Beliggenheten av disse er angitt i Fig. 1.

Resultatene for de forskjellige elementene analysert i de 243 bekkevannsprøvene presenteres her som symbolkart (Fig. 2.1 - 2.21).

Bekkevann

Si
Gjennomsnittsverdi: 0.79 mg/L. Medianverdi: 0.65 mg/L.
Laveste og høyeste verdi: 0.30 og 2.79 mg/L. De høyeste verdiene er målt i et sentralt belte som strekker seg fra Verdal-Inderøy og nord til Indre Vikna. Dessuten er det noen høyere verdier i Namdalen. Dette er topografisk lave områder med dreneringsfelter delvis under den marine grense.

Al

Gjennomsnittsverdi: 0.17 mg/L. Medianverdi: 0.13 mg/L.
Laveste og høyeste verdi: 0.10 og 0.56 mg/L. De høyeste verdiene er målt i kystområdene i Ytre Namdal inklusive ytre deler av Vikna og øvre deler av Namdalen. I disse områdene er pH relativt lav. Variasjoner i konsentrasjonen av Al kan delvis forklares ved variasjoner i pH; disse to parametre viser en signifikant (<0.05) negativ korrelasjon på 0.17.

Fe

Gjennomsnittsverdi: 0.30 mg/L. Medianverdi: 0.20 mg/L.
Laveste og høyeste verdi: 0.01 og 4.06 mg/L. Høyeste verdi målt på Innvorda i Nord-Flatanger. I dreneringsfeltet er myr og sandig jord. Forøvrig er det høye konsentrasjoner av Fe i indre deler av Ytre Namdal, øvre deler av Namdalen og vest for Namdalseid.

Ti

Gjennomsnittsverdi: 0.004 mg/L. Medianverdi: 0.004 mg/L.
Laveste og høyeste verdi: 0.004 og 0.019 mg/L. De høyeste verdiene ligger på Otterøya, på Selnes og øverst i Namdalen.

Mg

Gjennomsnittsverdi: 0.98 mg/L. Medianverdi: 0.6 mg/L.
Laveste og høyeste verdi: 0.164 og 12.1 mg/L. De høyeste verdiene er i Indre Trondheimsfjord (Verdal, Inderøya) og Ytre Namdal. Middels høye verdier er analysert i områdene mellom Malm og nordsida av Snåsavatnet. Dette er topografiske lavområder med marine avsetninger. Den geografisk fordeling tilsvarer Ca og Sr.

Ca

Gjennomsnittsverdi: 4.35 mg/L. Medianverdi: 2.0 mg/L.
Laveste og høyeste verdi: 0.185 og 95.4 mg/L. De høyeste verdiene ligger i Indre Trondheimsfjord (Verdal, Inderøy) og Vikna. Middels høye verdier er analysert i områdene mellom Malm og nordsida av Snåsavatnet.

Dette er topografiske lavområder med marine avsetninger. Den geografiske fordeling tilsvarer Mg og Sr.

Na

Gjennomsnittsverdi: 5.48 mg/L. Medianverdi: 3.0 mg/L.
Laveste og høyeste verdi: 1.20 og 84.4 mg/L. De høyeste verdiene ligger i Ytre Namdal. En høy analyseverdi stammer fra Verdal. Middels høye verdier i Beitstad og på Inderøy.

Mn

Gjennomsnittsverdi: 0.056 mg/L. Medianverdi: 0.055 mg/L.
Laveste og høyeste verdi: 0.050 og 1.10 mg/L. Høyeste verdi er funnet i Verdal; nest høyeste ytterst på Indre Vikna.

Cu

Gjennomsnittsverdi: 0.003 mg/L. Medianverdi: <0.001 mg/L.
Laveste og høyeste verdi: 0.001 og 0.061 mg/L. De høyeste verdiene er i områdene ved Høylandet. Ellers virker den geografiske fordeling tilfeldig. Forekomster i Malm og østlige deler av kartblad Vuku gir oppslag.

Zn

Gjennomsnittsverdi: 0.008 mg/L. Medianverdi: 0.006 mg/L.
Laveste og høyeste verdi: 0.006 og 0.035 mg/L. De høyeste verdiene forekommer i indre deler av Ytre Namdal og i øvre deler av Namdalen.

Sr

Gjennomsnittsverdi: 0.021 mg/L. Medianverdi: <0.010 mg/L.
Laveste og høyeste verdi: 0.031 og 0.619 mg/L. De høyeste verdiene er analysert i prøver fra Verdal-Inderøy og Vikna. Middels høye verdier i indre deler av Ytre Namdal og området Malm- Snåsavatn. Dette er topografiske lavområder med marine avsetninger.

K

Gjennomsnittsverdi: 1.86 mg/L. Laveste og høyeste verdi: 0.50 og 80.0 mg/L. De høyeste verdiene forekommer i området Verdal, Inderøy og Beitstad. Enkeltanomalier opptrer på Grong, Selnes, Elvalandet, Jøa og Indre Vikna. De høye verdiene er antakelig et resultat av tilsig fra gjødslete jordbruksarealer.

F^-

Gjennomsnittsverdi: 0.126 mg/L. Medianverdi: 0.082 mg/L.
Laveste og høyeste verdi: 0.010 og 0.94 mg/L. Ingen analyseverdier er ekstremt høye. Verdier over 0.4 mg/L er målt i prøver fra Jøssund, Åfjord (øst) vest for Leksdalsvatnet, nordsida av Snåsavatnet over mot Malm, i nordre og indre deler av Ytre Namdal og i Høylandet.

Cl^-

Gjennomsnittsverdi: 7.70 mg/L. Medianverdi: 5.5 mg/L.
Laveste og høyeste verdi: 1.80 og 127.0 mg/L. Verdier over 16 mg/L forekommer på Verdal-Inderøy og i Ytre Namdal. Direkte eller indirekte marin kilde.

Br^-

Gjennomsnittsverdi: 0.033 mg/L. Medianverdi: <0.015 mg/L.
Laveste og høyeste verdi: 0.003 og 0.765 mg/L. De høyeste verdiene forekommer i Indre Trondheimsfjord/Beitstadfjord; Verdal, vestsida av Leksdalsvatnet, Fosdalen og i Ytre Namdal. Direkte eller indirekte marin opprinnelse.

NO_3^-

Gjennomsnittsverdi: 0.94 mg/L. Laveste og høyeste verdi: 0.01 og 55.0 mg/L. De høyeste verdier forekommer på Inderøy rundt Leksdalsvatnet, Beitstad og Kvingla. Korrelasjon med K på 0.43 er signifikant (<0.001) og kilden er sannsynligvis den samme gjødslete jordbruksarealer.

SO_4^{--}

Gjennomsnittsverdi: 3.08 mg/L. Medianverdi: 2.0 mg/L.
Laveste og høyeste verdi: 0.90 og 34.0 mg/L. De høyeste verdiene er i Indre Trondheimsfjord (Inderøy-Verdal) samt Ytre Namdal, spesielt Vikna. Hovedsaklig marin opprinnelse.

pH

Gjennomsnittsverdi: 6.1. Medianverdi: 6.1.
Laveste og høyeste verdi: 3.2 og 8.4. Nøyaktigheten av pH-målingene er ukjent, men antakelig lav på grunn av varierende temperaturforhold og bruk av forskjellige elektroder med forskjellig responstid. Imidlertid synes de å være relativt høye i områdene innerst i Trondheimsfjorden (Verdal-Inderøy), Beitstad-Snåsavatnet, og i Vikna.

Konduktivitet

Gjennomsnittsverdi: 60.3 umhos/s. Medianverdi: 400 umhos/s.
Laveste og høyeste verdi: 17.0 og 700 umhos/s. De høyeste verdiene er målt i prøver fra indre deler av Trondheimsfjorden (Verdal-Inderøy-Beitstad) og Ytre Namdal.

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TABELLER

Tabell 1. Analyselister med askeprosent og konsentrasjon av Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li, K, F^-, Cl^-, Br^-, NO_3^-, SO_4^{2-}, pH og H.

TABELL 1. Analyselister med askeprosent og konsentrasjon (mg/l) av Si, Al, Fe, Ti, Mg, Ca, Na, Mn Cu og Zn

				Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn
1889	5001BV	636626.7080467.	32	.4249	.1771	.1660	.0040	.3360	.7020	2.1000	.0500	.0010	.0060
1889	5002BV	639069.7076538.	32	.7725	.1365	.1610	.0040	.6440	7.3790	2.6000	.0500	.0010	.0060
1889	5003BV	641638.7081269.	32	.4611	.1847	.1520	.0040	.3360	.7990	1.9000	.0500	.0010	.0060
1889	5004BV	643242.7085623.	32	.3839	.1441	.1750	.0040	.3150	1.2600	1.8000	.0500	.0010	.0060
1889	5005BV	649341.7088703.	32	.4398	.1679	.1460	.0040	.4050	1.9980	1.9000	.0500	.0072	.0060
1889	5006BV	649339.7078839.	32	.4307	.1552	.0930	.0040	.2760	1.6340	1.3000	.0500	.0010	.0060
1889	5007BV	644866.7078063.	32	.7796	.1886	.1400	.0040	.3900	1.5370	1.8000	.0500	.0010	.0060
1889	5008BV	655575.7090538.	32	.3000	.1000	.0160	.0040	.2520	2.8110	1.3000	.0500	.0010	.0060
1889	5009BV	652371.7096370.	32	.3137	.1161	.0340	.0040	.2830	3.1740	1.2000	.0500	.0010	.0060
1889	5010BV	652884.7098005.	32	.3916	.1542	.0690	.0040	.2750	1.7740	1.4000	.0500	.0010	.0060
1889	5011BV	655058.7078590.	32	.8407	.1000	.0460	.0040	1.0960	6.1030	2.7000	.0500	.0010	.0060
1889	5012BV	655819.7080704.	32	.7371	.1000	.0280	.0040	.3660	1.7870	1.7000	.0500	.0010	.0060
1889	5013BV	650908.7084446.	32	.7058	.1441	.0960	.0040	.3360	1.6460	1.5000	.0500	.0010	.0060
1889	5014BV	636288.7089490.	32	.4924	.1000	.3170	.0040	.3530	1.0660	2.1000	.0685	.0010	.0060
1889	5015BV	636723.7085932.	32	.3693	.1263	.1050	.0040	.3280	.9530	2.0000	.0500	.0010	.0060
1889	5016BV	643230.7091541.	32	.5410	.1136	.3290	.0040	.3550	1.0110	2.0000	.0500	.0010	.0060
1889	5017BV	643525.7097233.	32	.6502	.2254	.4700	.0040	.4370	.8930	2.2000	.0500	.0010	.0060
1889	5018BV	640312.7094823.	32	.7503	.1314	.4700	.0040	.4790	1.1560	2.5000	.0500	.0010	.0060
1889	5019BV	637331.7099943.	32	.8265	.2061	.5530	.0040	.5520	1.1360	2.8000	.0500	.0010	.0060
1889	5020BV	634533.7094278.	32	.5661	.1000	.5680	.0040	.4310	1.2580	2.3000	.0500	.0010	.0060
1889	5021BV	621180.7202683.	32	1.0590	.2356	.2220	.0040	.8760	1.0100	7.5000	.0500	.0010	.0060
1889	5022BV	625668.7203327.	32	.5508	.1720	.0930	.0040	.5850	.5770	5.3000	.0500	.0010	.0060
1889	5023BV	622710.7191918.	32	.8268	.2051	.1220	.0040	.8130	1.4350	6.6000	.0500	.0010	.0060
1889	5024BV	612484.7184584.	32	1.4620	.2675	.1870	.0040	1.3500	3.5040	11.4000	.0500	.0010	.0060
1889	5025BV	618434.7197686.	32	1.0930	.2356	.1640	.0040	.8230	1.0570	7.9000	.0500	.0010	.0060
1889	5026BV	613515.7200998.	32	1.5100	.2089	.1280	.0040	1.1290	3.5960	9.0000	.0500	.0010	.0060
1889	5027BV	611171.7198176.	32	1.0690	.2061	.1640	.0040	1.0900	2.8410	8.8000	.0500	.0010	.0060
1889	5028BV	611905.7195875.	32	1.8520	.1644	.1100	.0040	1.8420	3.5090	12.6000	.0500	.0010	.0060
1889	5029BV	613976.7189472.	32	2.4980	.2788	.7300	.0040	2.7100	8.3060	13.8000	.0500	.0010	.0060
1889	5030BV	603454.7195063.	32	1.2060	.2356	.2820	.0040	1.3550	5.3590	11.3000	.0500	.0010	.0060
1889	5031BV	599173.7194856.	32	2.2230	.1000	.2930	.0040	6.0620	95.4300	20.0000	.2984	.0010	.0060
1889	5032BV	602247.7199272.	32	.6974	.1949	.2700	.0040	1.4140	6.6620	10.6000	.0500	.0010	.0060
1889	5033BV	591170.7200135.	32	.7086	.2965	.3170	.0040	.8830	.6440	9.3000	.0500	.0010	.0060
1889	5034BV	596317.7204825.	32	.3000	.1000	.0570	.0040	1.9500	6.1330	14.3000	.0500	.0010	.0060

				Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn
1889	5035BV	593625.7198104.	32	1.6260	.3576	.3430	.0040	2.0240	17.1900	14.3000	.0500	.0010	.0060
1889	5036BV	591233.7195686.	32	1.0490	.2178	.3760	.0040	2.2600	15.0400	13.2000	.0500	.0010	.0060
1889	5037BV	588054.7192416.	32	1.2550	.4007	.4730	.0040	1.8130	6.1220	16.1000	.0500	.0010	.0060
1889	5038BV	585720.7193923.	32	.5744	.2610	.4580	.0040	1.4420	.9080	13.9000	.0500	.0010	.0060
1889	5039BV	610958.7191190.	32	2.2760	.1542	.3400	.0040	4.0160	34.3500	13.7000	.0500	.0010	.0060
1889	6001BV	630027.7083832.	32	1.0840	.1501	.1490	.0040	.6190	3.3350	3.1000	.0500	.0016	.0060
1889	6002BV	631037.7075279.	32	2.0710	.1689	.5730	.0041	2.7820	16.3400	7.0000	.0602	.0019	.0060
1889	6003BV	612433.7085914.	32	1.8340	.1000	.1180	.0040	2.7180	26.5400	8.5000	.0500	.0043	.0060
1889	6004BV	604459.7081338.	32	1.9560	.1000	.3680	.0040	4.0870	26.2200	16.5000	.0500	.0040	.0060
1889	6005BV	605542.7087980.	32	1.3790	.1300	.2250	.0040	2.0990	17.7500	9.4000	.0500	.0026	.0060
1889	6006BV	607830.7088161.	32	1.1110	.1000	.1340	.0040	2.7430	21.1300	10.2000	.0500	.0014	.0060
1889	6007BV	617135.7086569.	32	4.0760	.1000	.0650	.0040	8.1270	49.1700	12.3000	.0500	.0024	.0060
1889	6008BV	617426.7091198.	32	2.7890	.1000	.2950	.0040	6.5780	33.5400	22.6000	.0623	.0012	.0060
1889	6009BV	611502.7094092.	32	1.7390	.1000	.2410	.0040	2.1960	22.9200	9.0000	.0500	.0027	.0060
1889	6010BV	624038.7095154.	32	1.7920	.1220	.3060	.0040	3.2610	20.3100	7.5000	.0500	.0040	.0060
1889	6011BV	628256.7096486.	32	.5419	.1000	.3120	.0040	.6830	3.0710	2.7000	.0500	.0012	.0060
1889	6012BV	622808.7089658.	32	.8167	.1000	.2140	.0040	1.8800	9.8140	6.0000	.0500	.0012	.0060
1889	6013BV	628179.7089858.	32	.7813	.1651	.1470	.0040	.4780	1.5470	3.0000	.0500	.0010	.0061
1889	6014BV	625585.7086757.	32	1.0090	.1660	.3930	.0040	.8190	3.5930	3.7000	.0500	.0010	.0060
1889	6015BV	627384.7082711.	32	.5884	.1374	.3120	.0040	.5680	1.9080	3.3000	.0500	.0010	.0060
1889	6016BV	622737.7075800.	32	4.2330	.1000	1.2700	.0040	12.1200	44.8900	64.1000	1.1000	.0010	.0109
1889	6017BV	623004.7079974.	32	1.2790	.1000	.0920	.0040	1.6160	8.9930	5.4000	.0500	.0010	.0060
1889	6018BV	607993.7109598.	32	1.0050	.1000	.1900	.0040	.7810	2.7350	5.0000	.0500	.0034	.0062
1889	6020BV	634643.7120630.	32	.5987	.1000	.0180	.0040	1.4060	10.8600	3.4000	.0500	.0010	.0087
1889	6021BV	639777.7122235.	32	.6096	.1000	.0820	.0040	.4930	3.2500	2.9000	.0500	.0010	.0060
1889	6022BV	620219.7107482.	32	1.0350	.1367	.2790	.0040	1.0140	5.3940	4.9000	.0500	.0010	.0060
1889	6023BV	614028.7109111.	32	1.3750	.1241	.4200	.0040	1.9680	12.0800	7.4000	.0684	.0014	.0094
1889	6024BV	610378.7105980.	32	1.1890	.2364	.4240	.0040	1.6620	8.0020	6.9000	.0500	.0034	.0060
1889	6025BV	614533.7104187.	32	1.3220	.1524	.2340	.0040	1.1400	4.8740	6.5000	.0500	.0010	.0060
1889	6026BV	628403.7114709.	32	.7588	.1000	.0720	.0040	1.1760	25.8100	4.5000	.0500	.0010	.0060
1889	6027BV	631224.7118963.	32	.5046	.1000	.0290	.0040	1.4740	12.9200	3.5000	.0500	.0010	.0060
1889	6028BV	625000.7117109.	32	.5984	.1000	.0100	.0040	1.6900	12.4000	4.3000	.0500	.0010	.0060
1889	6029BV	625161.7116822.	32	.7904	.1000	.0470	.0040	1.6070	13.0100	4.1000	.0500	.0010	.0060
1889	6030BV	632789.7119454.	32	.5981	.1000	.0270	.0040	1.1830	10.4000	3.4000	.0500	.0010	.0060
1889	6031BV	600854.7104263.	32	.5528	.1277	.0980	.0040	.4100	.9590	2.9000	.0500	.0010	.0060
1889	6032BV	595590.7099829.	32	.3310	.1000	.4460	.0040	.3550	1.0090	2.9000	.0500	.0055	.0060
1889	6033BV	589087.7101792.	32	.5995	.1000	.1610	.0040	.5220	3.2450	3.8000	.0500	.0012	.0079

				Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn
1889	6034BV	591298.7095457.	32	.6538	.1000	.0180	.0040	.4210	1.0310	4.4000	.0500	.0010	.0341
1889	6035BV	602160.7106499.	32	.4202	.1000	.1880	.0040	.4130	1.3260	3.3000	.0500	.0051	.0133
1889	6036BV	604271.7114315.	32	.3000	.1000	.1070	.0040	.3080	.6200	2.9000	.0500	.0010	.0113
1889	6037BV	611248.7117973.	32	.7751	.1363	.2860	.0040	.8250	2.9100	5.0000	.0500	.0010	.0085
1889	6038BV	605756.7121951.	32	.5361	.1616	.4870	.0040	.4190	.7000	3.4000	.0500	.0042	.0137
1889	6039BV	606209.7119730.	32	.8273	.1384	.1450	.0040	.7260	2.1330	5.4000	.0500	.0010	.0085
1889	6040BV	608197.7123592.	32	1.2780	.1049	.2590	.0040	1.5430	6.4770	7.5000	.0500	.0010	.0087
1889	6041BV	599734.7125762.	32	.3000	.1000	.1450	.0040	.4890	.6180	4.5000	.0500	.0010	.0094
1889	6042BV	597239.7125950.	32	.3000	.1781	2.4280	.0040	.3580	.4550	3.5000	.0500	.0156	.0135
1889	6043BV	589191.7123688.	32	.3866	.1000	1.9870	.0040	.4720	.7230	4.3000	.0500	.0130	.0165
1889	6044BV	612805.7113626.	32	1.2850	.1300	.4550	.0040	1.8300	12.8700	7.6000	.0943	.0012	.0087
1889	6045BV	613155.7113829.	32	.8470	.1000	.2320	.0040	1.0780	5.5170	5.6000	.1119	.0010	.0060
1889	6046BV	619980.7125380.	32	.3902	.1000	.0540	.0040	.5870	2.6160	4.0000	.0500	.0010	.0060
1889	6047BV	618089.7125196.	32	.4879	.1000	.0470	.0040	.6690	2.7400	4.5000	.0500	.0010	.0060
1889	6048BV	601861.7096329.	32	.3000	.1045	.0220	.0040	.2360	.5280	2.2000	.0500	.0010	.0147
1889	6049BV	597889.7093480.	32	.3275	.1137	.1180	.0040	.4210	.8610	2.9000	.0500	.0010	.0060
1889	6050BV	593359.7091163.	32	.3000	.1269	.0710	.0040	.3760	.5310	3.2000	.0500	.0010	.0060
1889	6051BV	605775.7130505.	32	.3000	.1000	.0830	.0040	.3130	.3270	2.7000	.0500	.0010	.0083
1889	6052BV	606765.7133474.	32	.3000	.1000	.0540	.0040	.3850	.3770	3.8000	.0500	.0010	.0060
1889	6053BV	611317.7128090.	32	.3000	.1361	.1630	.0040	.5290	.8940	4.9000	.0500	.0016	.0133
1889	6054BV	612342.7128270.	32	.3000	.1215	.1720	.0040	.5520	1.6940	4.5000	.0500	.0010	.0060
1889	6055BV	635958.7172049.	32	.7066	.1000	.0740	.0040	.3530	.7810	3.4000	.0500	.0010	.0079
1889	6056BV	595660.7115702.	32	.3000	.1000	.6850	.0040	.2290	.4440	2.2000	.0500	.0197	.0153
1889	6057BV	599473.7117117.	32	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1889	6058BV	599495.7120264.	32	.5642	.1000	.2720	.0040	.5500	1.4540	4.5000	.0500	.0019	.0087
1889	6059BV	590080.7116914.	32	.4014	.1000	.0360	.0040	.3140	.8160	2.6000	.0500	.0010	.0060
1889	6060BV	589138.7116772.	32	.3180	.1000	.0290	.0040	.2830	.9860	2.3000	.0500	.0010	.0060
1889	6061BV	587157.7116369.	32	.5283	.1000	3.0990	.0040	.4230	1.6220	3.2000	.0500	.0215	.0141
1889	6062BV	617182.7113538.	32	.7327	.1000	.0110	.0040	1.2870	11.5700	5.9000	.0500	.0010	.0060
1889	6063BV	622605.7111547.	32	.3508	.1255	.2880	.0040	.6150	2.1050	4.1000	.0500	.0020	.0060
1889	6064BV	567624.7069172.	32	1.0230	.3036	.2570	.0040	.7580	.7400	2.4000	.0500	.0012	.0060
1889	6065BV	579061.7077100.	32	.4325	.1253	.1650	.0040	.3230	.4890	2.6000	.0500	.0012	.0060
1889	6066BV	584047.7081775.	32	.3000	.1000	.0470	.0040	.2470	.4090	2.5000	.0500	.0010	.0060
1889	6067BV	588773.7086071.	32	.3000	.1441	.0690	.0040	.2710	.5410	2.6000	.0500	.0010	.0160
1889	6068BV	588459.7085970.	32	.3000	.1028	.0270	.0040	.2800	.4340	2.6000	.0500	.0010	.0060

				Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn
1889	6069BV	604883.7140359.	32	.4304	.2258	.2140	.0040	.2980	.3780	3.0000	.0500	.0010	.0060
1889	6070BV	601344.7138468.	32	.3000	.1000	.0630	.0040	.3790	.4030	3.7000	.0500	.0010	.0063
1889	6071BV	605895.7144840.	32	.9454	.3620	.1360	.0040	.5000	2.0450	4.8000	.0500	.0023	.0065
1889	6072BV	604702.7146323.	32	.9984	.1370	.0740	.0040	.7000	1.9860	5.8000	.0500	.0010	.0060
1889	6073BV	599144.7146299.	32	1.3170	.2596	.4310	.0040	1.0340	2.1150	8.1000	.0500	.0010	.0081
1889	6074BV	594820.7148082.	32	1.1710	.3043	.2770	.0055	.6130	1.2490	6.4000	.0500	.0010	.0064
1889	6075BV	593422.7146388.	32	.3000	.1674	.1520	.0040	.3690	.3160	4.4000	.0500	.0010	.0063
1889	6076BV	595081.7141481.	32	.3983	.1588	.0980	.0040	.3470	.7160	3.5000	.0500	.0029	.0222
1889	6077BV	610077.7141240.	32	.3000	.1443	.3300	.0040	.4090	.5180	3.4000	.0500	.0041	.0089
1889	6078BV	603990.7142036.	32	.5623	.1028	.1090	.0040	.4900	.8210	4.4000	.0500	.0018	.0060
1889	6079BV	603030.7127558.	32	.3000	.1841	.2140	.0040	.3410	.3940	3.8000	.0500	.0010	.0081
1889	6080BV	601677.7127083.	32	.3042	.2449	.3640	.0040	.5390	.4180	3.8000	.0500	.0023	.0073
1889	6081BV	589258.7134800.	32	.8454	.1351	.1870	.0040	.5550	.9050	5.1000	(0500	.0015	.0060
1889	6082BV	588610.7133936.	32	.6389	.1678	.1070	.0040	.5270	.8040	4.5000	.0500	.0012	.0060
1889	6083BV	590797.7139985.	32	.8174	.1965	.2230	.0040	.5560	.9290	5.0000	.0500	.0075	.0097
1889	6084BV	585576.7137944.	32	1.2120	.2349	.1740	.0040	.5080	.8280	5.8000	.0500	.0010	.0060
1889	6085BV	595364.7142027.	32	.3000	.1000	.0310	.0040	.2520	.3660	2.9000	.0500	.0061	.0129
1889	6086BV	606957.7108303.	32	.3000	.1000	.1340	.0040	.4550	.9890	3.9000	.0500	.0010	.0063
1889	6087BV	620573.7115101.	32	.4900	.1000	.0110	.0040	1.1020	7.8070	4.5000	.0500	.0010	.0063
1889	6088BV	621613.7116032.	32	.8200	.1783	.2230	.0040	1.9260	14.3200	5.2000	.0500	.0010	.0060
1889	6089BV	610691.7136309.	32	.3000	.2272	.2500	.0040	.4630	1.2350	4.1000	.0500	.0010	.0080
1889	6090BV	579591.7061535.	32	.4907	.1000	.1810	.0040	1.0920	7.2820	4.5000	.0500	.0016	.0147
1889	6091BV	579889.7063218.	32	.6960	.1882	.2240	.0040	.9580	5.5900	3.9000	.0500	.0010	.0110
1889	6092BV	650379.7128195.	32	.9306	.3358	.4070	.0050	1.0030	5.0670	2.4000	.0500	.0039	.0128
1889	6093BV	647797.7125500.	32	.6126	.2410	.2980	.0040	.4950	2.5670	2.0000	.0500	.0014	.0092
1889	6094BV	597997.7077563.	32	.7945	.1000	.0450	.0040	.9940	4.7240	4.7000	.0500	.0010	.0122
1889	6095BV	595866.7163660.	32	.9036	.2772	4.0570	.0051	1.4180	2.3870	11.0000	.0500	.0221	.0317
1889	6096BV	598260.7161842.	32	.9963	.2935	.3110	.0050	1.3960	1.1390	9.9000	.0500	.0010	.0175
1889	6097BV	599179.7158490.	32	.7468	.2718	.2260	.0041	.7820	.7860	6.9000	.0500	.0010	.0149
1889	6098BV	602200.7149850.	32	.8522	.1811	.2010	.0040	.9300	.7530	6.6000	.0500	.0030	.0236
1889	6099BV	603800.7147800.	32	1.0850	.2889	.2730	.0040	1.0180	1.4840	7.4000	.0500	.0010	.0195
1889	6100BV	615254.7136045.	32	1.0460	.2183	.6250	.0040	.9120	4.0870	5.9000	.0500	.0010	.0113
1889	6101BV	617970.7130362.	32	.3000	.1280	.1670	.0040	.3790	.7420	3.5000	.0500	.0010	.0073
1889	6102BV	619705.7128704.	32	.9331	.1022	.2700	.0040	.8470	3.9670	4.7000	.0500	.0010	.0060
1889	6103BV	610376.7112924.	32	1.0860	.1000	.2070	.0040	1.3540	7.4670	5.9000	.0500	.0010	.0060
1889	6104BV	618023.7141717.	32	.6933	.3714	.5360	.0055	.5190	.8270	4.7000	.0500	.0010	.0085
1889	6105BV	617330.7147038.	32	1.6270	.4020	.6800	.0127	1.7220	5.0270	7.8000	.0500	.0012	.0143

				Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn
1889	6106BV	623057.7135583.	32	1.7180	.2949	.5170	.0040	1.0050	4.5320	5.6000	.0500	.0023	.0060
1889	6107BV	621693.7134659.	32	.7616	.1741	.3330	.0040	.9000	3.8010	5.2000	.0500	.0010	.0079
1889	6108BV	625639.7138876.	32	.3467	.2221	.1450	.0040	.5040	1.1200	4.3000	.0500	.0010	.0091
1889	6109BV	627648.7131976.	32	.3000	.1359	.1250	.0040	.4990	1.0520	3.8000	.0500	.0014	.0060
1889	6110BV	631763.7132255.	32	.3670	.1387	.2460	.0040	.4300	1.3700	3.8000	.0500	.0242	.0097
1889	6111BV	598727.7168053.	32	1.2630	.2270	.2610	.0040	1.3650	3.3700	12.8000	.0500	.0010	.0060
1889	6112BV	602462.7167466.	32	.9116	.3037	.2240	.0040	.5650	.5000	6.7000	.0500	.0010	.0060
1889	6113BV	610655.7156311.	32	.6826	.3710	1.0800	.0041	.7040	.7470	6.4000	.0500	.0105	.0173
1889	6114BV	605365.7163101.	32	.3000	.1467	.1090	.0040	.5910	.5080	5.8000	.0500	.0010	.0060
1889	6115BV	616013.7159228.	32	.3062	.1842	.0890	.0040	.7310	.6050	6.2000	.0500	.0010	.0060
1889	6116BV	622036.7157396.	32	2.1900	.1995	.7370	.0040	2.3070	6.2380	9.0000	.0503	.0033	.0097
1889	6117BV	623484.7159959.	32	.7030	.1570	.0780	.0040	.5890	1.2790	4.3000	.0500	.0010	.0060
1889	6118BV	624407.7161096.	32	.4516	.1993	.1850	.0040	.5910	.9560	4.2000	.0500	.0018	.0060
1889	6119BV	640365.7146437.	32	1.8610	.2238	.3260	.0040	.7130	1.2160	5.1000	.0500	.0010	.0063
1889	6120BV	636313.7148418.	32	1.4020	.1511	.2330	.0040	1.5520	4.3440	9.5000	.0500	.0010	.0062
1889	6121BV	632819.7149203.	32	.3000	.1844	.1450	.0040	.3420	.4440	3.4000	.0500	.0018	.0066
1889	6122BV	616179.7161009.	32	2.4380	.2806	1.0000	.0054	11.1500	13.7300	84.4000	.0688	.0024	.0108
1889	6123BV	618185.7164895.	32	1.0600	.1490	.1990	.0040	.8990	1.9550	6.4000	.0500	.0010	.0060
1889	6124BV	631252.7166385.	32	.3000	.1936	1.1870	.0040	.3560	.4360	3.3000	.0500	.0043	.0137
1889	6125BV	645267.7129950.	32	.3000	.1000	.0380	.0040	.1640	.3120	1.4000	.0500	.0010	.0060
1889	6126BV	638761.7132441.	32	.5049	.1000	.4990	.0040	.6700	4.7400	3.5000	.0500	.0010	.0060
1889	6127BV	635373.7134739.	32	.3000	.1000	.1630	.0040	.4640	2.1840	3.1000	.0500	.0010	.0060
1889	6128BV	631358.7163883.	32	.6212	.2041	.1430	.0040	.3390	.5010	2.6000	.0500	.0010	.0060
1889	6129BV	633617.7165490.	32	.3000	.1178	.0850	.0040	.3510	.5200	2.8000	.0500	.0065	.0153
1889	6130BV	634512.7166050.	32	.6639	.1620	.0940	.0040	.3680	.8780	2.7000	.0500	.0010	.0060
1889	6131BV	633970.7157886.	32	.4849	.1176	.0650	.0040	.3420	.9110	2.7000	.0500	.0010	.0060
1889	6132BV	642511.7160788.	32	.3976	.1963	.0870	.0040	.2490	.4080	1.9000	.0500	.0010	.0060
1889	6133BV	645751.7159908.	32	.6003	.2433	.1070	.0040	.3600	.7790	2.5000	.0500	.0010	.0072
1889	6134BV	642565.7139940.	32	.3680	.1455	.1300	.0040	.3310	.9470	2.3000	.0500	.0010	.0060
1889	6135BV	640432.7143345.	32	.3101	.1000	.0670	.0040	.3000	.8020	2.4000	.0500	.0093	.0060
1889	6136BV	621469.7166686.	32	.3000	.1944	.1480	.0040	.6230	.6720	5.1000	.0500	.0010	.0060
1889	6137BV	619606.7168322.	32	.3185	.1988	.1990	.0040	.4270	.9110	3.7000	.0500	.0018	.0060
1889	6138BV	657695.7163129.	32	.5775	.1426	.2590	.0040	.5960	1.5010	3.1000	.0500	.0010	.0121
1889	6139BV	658747.7165261.	32	.7373	.1000	.1760	.0040	1.0240	4.4430	4.2000	.0500	.0012	.0137
1889	6140BV	609052.7174821.	32	1.2600	.4265	1.0020	.0091	1.4730	4.1960	11.3000	.0500	.0016	.0060
1889	6141BV	608621.7170561.	32	1.3600	.4800	.8880	.0095	1.7120	2.8580	11.5000	.0500	.0010	.0060
1889	6142BV	610492.7166789.	32	1.0400	.4145	.9670	.0132	2.0650	3.0890	13.1000	.0500	.0010	.0120

				Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn
1889	6143BV	614726.7165019.	32	.7501	.3497	.4830	.0049	.8770	1.1630	6.6000	.0500	.0010	.0238
1889	6144BV	654207.7168290.	32	.7621	.2641	.3150	.0040	.6260	1.3090	3.3000	.0500	.0020	.0143
1889	6145BV	652530.7162326.	32	.9315	.3808	.7850	.0059	.5140	.6790	3.1000	.0500	.0022	.0242
1889	6146BV	648203.7158018.	32	1.4880	.4721	.8670	.0099	1.1850	1.6200	6.7000	.0500	.0090	.0152
1889	6147BV	649213.7162708.	32	.3000	.1418	.1050	.0040	.3550	.6250	2.7000	.0500	.0010	.0073
1889	6148BV	650612.7163794.	32	.7347	.2696	.2590	.0040	.6030	1.1850	3.2000	.0500	.0010	.0060
1889	6149BV	650833.7160444.	32	.8446	.4198	.4360	.0072	.6390	.7080	3.2000	.0500	.0028	.0111
1889	6150BV	636319.7139223.	32	.8797	.2137	.4000	.0040	.6750	2.8670	3.8000	.0500	.0144	.0103
1889	6151BV	638230.7137611.	32	.5256	.1000	.1050	.0040	.5140	3.6450	3.2000	.0500	.0010	.0060
1889	6152BV	624667.7174226.	32	.5143	.1133	.0450	.0040	.5470	.5600	4.7000	.0500	.0065	.0060
1889	6153BV	619590.7180397.	32	1.3030	.3034	.8410	.0040	1.2240	5.1980	9.3000	.0500	.0016	.0139
1889	6154BV	617954.7175001.	32	1.1140	.1570	.1880	.0040	.7990	2.1640	5.3000	.0500	.0010	.0060
1889	6155BV	625310.7169302.	32	.5056	.1498	.2060	.0040	.4950	.7060	4.0000	.0500	.0010	.0060
1889	6156BV	626028.7168391.	32	.4814	.1767	1.9860	.0040	.5830	.7670	4.5000	.0500	.0038	.0124
1889	6157BV	633554.7128458.	32	.4360	.1247	.2950	.0040	.4410	1.4910	2.9000	.0500	.0010	.0061
1889	6158BV	652150.7142026.	32	.3222	.1000	.0450	.0040	.5440	8.3400	2.2000	.0500	.0010	.0060
1889	6159BV	620971.7147212.	32	.4652	.2736	.2860	.0040	.6840	.7030	4.0000	.0500	.0048	.0145
1889	6160BV	612556.7139579.	32	1.0200	.2752	.4490	.0040	.9890	2.7450	6.1000	.0500	.0010	.0060
1889	6161BV	671404.7174403.	32	.5110	.1000	.0650	.0040	.4830	2.6300	2.3000	.0500	.0086	.0060
1889	6162BV	672258.7174957.	32	.5993	.1035	.1070	.0040	.5330	2.1780	2.5000	.0500	.0010	.0060
1889	6163BV	666400.7168623.	32	.5964	.1474	.2170	.0059	.6140	4.5150	2.8000	.0500	.0614	.0070
1889	6164BV	657498.7183116.	32	.5671	.2035	.3710	.0040	.7060	2.1390	2.9000	.0500	.0025	.0060
1889	6165BV	658159.7180201.	32	.9462	.1850	.3470	.0040	.6980	2.5720	3.5000	.0500	.0010	.0060
1889	6166BV	660910.7181721.	32	.7261	.3099	.4360	.0040	.4300	.8960	2.5000	.0500	.0010	.0060
1889	6167BV	661198.7165961.	32	.7009	.2529	.3310	.0040	.7430	2.0030	3.4000	.0500	.0010	.0060
1889	6168BV	644175.7147920.	32	.7231	.2406	.2570	.0040	.3960	.6360	2.6000	.0500	.0010	.0060
1889	6169BV	646656.7152049.	32	2.4140	.5638	.7480	.0186	2.4140	6.3490	5.9000	.0500	.0032	.0060
1889	6170BV	647655.7151699.	32	.7084	.2093	.2320	.0040	.5130	1.0170	2.8000	.0500	.0010	.0060
1889	6171BV	658458.7177220.	32	.6967	.1744	.3490	.0040	.7470	2.4390	3.4000	.0500	.0010	.0060
1889	6172BV	656765.7173825.	32	.8385	.1064	.2130	.0040	.8660	2.7440	3.8000	.0500	.0010	.0060
1889	6173BV	660833.7172070.	32	.8312	.1037	.0740	.0040	.5630	3.3340	2.5000	.0500	.0011	.0060
1889	6174BV	659797.7174026.	32	.7784	.1598	1.3120	.0040	.3470	1.4620	2.3000	.0500	.0101	.0148
1889	6175BV	648325.7172375.	32	.3000	.1000	.1050	.0040	.3210	.5280	2.6000	.0500	.0010	.0060
1889	6176BV	650894.7175042.	32	.3108	.1000	.0900	.0040	.3070	.5040	2.5000	.0500	.0010	.0060
1889	6177BV	651198.7180158.	32	.4895	.1000	1.5510	.0040	.2730	.4010	2.4000	.0500	.0294	.0116
1889	6178BV	648908.7182573.	32	.3276	.1000	.0380	.0040	.2250	.1850	2.3000	.0500	.0010	.0060

				Si	Al	Fe	Ti	Mg	Ca	Na	Mn	Cu	Zn
1889	6179BV	638369.7180328.	32	.3454	.1000	.1970	.0040	.3140	.3970	2.8000	.0500	.0015	.0060
1889	6180BV	638580.7179678.	32	.6532	.1347	.1090	.0040	.3650	.5570	3.2000	.0500	.0010	.0060
1889	6181BV	660666.7177564.	32	.5767	.1989	.2030	.0040	.4100	.8310	2.2000	.0500	.0038	.0350
1889	6182BV	667857.7179826.	32	.6204	.1000	.0270	.0040	.2060	.4460	1.6000	.0500	.0103	.0060
1889	6183BV	651370.7149413.	32	.5211	.1353	.1880	.0040	.2440	.4890	2.1000	.0500	.0299	.0061
1889	6184BV	648272.7153292.	32	.9183	.2199	.1360	.0040	.3760	.5800	3.2000	.0500	.0010	.0060
1889	6185BV	654150.7154668.	32	.8182	.2286	.2590	.0040	.5600	1.1160	3.4000	.0500	.0023	.0094
1889	6186BV	663746.7178836.	32	.8799	.2080	.0960	.0040	.2280	.4870	2.3000	.0500	.0010	.0060
1889	6187BV	663601.7178342.	32	.4635	.1432	.0810	.0040	.2800	.6880	2.1000	.0500	.0010	.0060
1889	6188BV	573867.7064290.	32	.5191	.1000	.0360	.0040	.9040	6.3160	3.9000	.0500	.0010	.0060
1889	6189BV	565603.7061505.	32	.3000	.1000	.0560	.0040	.7200	3.1970	3.4000	.0500	.0010	.0071
1889	6190BV	563034.7057090.	32	.7333	.1854	.2240	.0040	.4860	.7920	3.5000	.0500	.0010	.0085
1889	6191BV	561653.7054181.	32	.3000	.1103	.0810	.0040	.4230	.5860	3.0000	.0500	.0010	.0106
1889	6192BV	559600.7052300.	32	1.0860	.1769	.1520	.0040	.6690	1.5320	4.3000	.0500	.0010	.0060
1889	6193BV	560000.7047550.	32	1.1250	.1000	.0940	.0040	1.6740	6.9660	5.7000	.0500	.0010	.0060
1889	6194BV	570262.7051899.	32	.3828	.1000	.0600	.0040	.5760	1.6420	3.2000	.0500	.0010	.0060
1889	6195BV	572320.7053569.	32	.3000	.1000	.0830	.0040	.4280	1.0850	2.7000	.0500	.0010	.0060
1889	6196BV	577337.7058314.	32	.4807	.1000	.1250	.0040	.6440	2.5030	3.2000	.0500	.0016	.0060
1889	6197BV	574835.7060441.	32	.5130	.1000	.0940	.0040	.6710	2.6160	3.0000	.0500	.0010	.0060
1889	6198BV	578096.7067136.	32	.6268	.1000	.1520	.0040	.7620	4.2910	3.5000	.0500	.0010	.0060
1889	6199BV	593529.7070282.	32	.7441	.1009	.2140	.0040	.7970	2.4870	4.0000	.0500	.0010	.0060
1889	6200BV	561504.7068642.	32	.3000	.1000	.0340	.0040	.3740	.5010	2.9000	.0500	.0010	.0060
1889	6201BV	627964.7122239.	32	.4957	.1497	.1600	.0040	.4790	2.2980	2.4000	.0500	.0136	.0105
1889	6202BV	597905.7078952.	32	.7998	.1820	.2520	.0050	1.0550	4.0930	5.4000	.0500	.0136	.0070
1889	6203BV	597427.7078555.	32	.5047	.1000	.0840	.0040	.7930	2.7870	4.3000	.0500	.0010	.0060
1889	6204BV	588797.7081201.	32	.6058	.1560	.2270	.0040	.7120	1.3750	4.7000	.0500	.0010	.0060
1889	6205BV	591540.7083783.	32	.6456	.1755	.2940	.0040	.9940	1.8610	5.7000	.0500	.0144	.0226

TABELL 1. Analyselister med askeprosent og konsentrasjon (mg/l) av Pb, Ni, Co, V, Mo, Cd, Ba, Be, Sr, Li og K

				Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
1889	5001BV	636626.7080467.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0050	.0050	.5000
1889	5002BV	639069.7076538.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0168	.0050	.5000
1889	5003BV	641638.7081269.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0055	.0050	.5000
1889	5004BV	643242.7085623.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0046	.0050	.5000
1889	5005BV	649341.7088703.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0039	.0050	.5000
1889	5006BV	649339.7078839.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0035	.0050	.5000
1889	5007BV	644866.7078063.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0044	.0050	.5000
1889	5008BV	655575.7090538.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0073	.0050	.5000
1889	5009BV	652371.7096370.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0050	.0050	.5000
1889	5010BV	652884.7098005.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0043	.0050	.5000
1889	5011BV	655058.7078590.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0163	.0050	.5302
1889	5012BV	655819.7080704.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0039	.0050	.5000
1889	5013BV	650908.7084446.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0036	.0050	.5000
1889	5014BV	636288.7089490.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0046	.0050	.5000
1889	5015BV	636723.7085932.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0050	.0050	.5000
1889	5016BV	643230.7091541.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0059	.0050	.5000
1889	5017BV	643525.7097233.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0050	.0050	.5000
1889	5018BV	640312.7094823.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0071	.0050	.5000
1889	5019BV	637331.7099943.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0071	.0050	.5000
1889	5020BV	634533.7094278.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0077	.0050	.5000
1889	5021BV	621180.7202683.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0085	.0050	.5000
1889	5022BV	625668.7203327.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0050	.0050	.5000
1889	5023BV	622710.7191918.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0085	.0050	.5000
1889	5024BV	612484.7184584.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0242	.0050	.5000
1889	5025BV	618434.7197686.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0077	.0050	.5000
1889	5026BV	613515.7200998.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0264	.0050	.5000
1889	5027BV	611171.7198176.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0194	.0050	.5000
1889	5028BV	611905.7195875.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0267	.0050	.6441
1889	5029BV	613976.7189472.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0520	.0050	2.3330
1889	5030BV	603454.7195063.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0323	.0050	.5000
1889	5031BV	599173.7194856.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.6190	.0050	7.8050
1889	5032BV	602247.7199272.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0446	.0050	.5000
1889	5033BV	591170.7200135.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0081	.0050	.5000
1889	5034BV	596317.7204825.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0429	.0050	.8423

				Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
1889	5035BV	593625.7198104.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.1128	.0050	.5214
1889	5036BV	591233.7195686.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.1008	.0050	.8669
1889	5037BV	588054.7192416.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0450	.0050	.5000
1889	5038BV	585720.7193923.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0113	.0050	.5000
1889	5039BV	610958.7191190.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.2078	.0050	3.4170
1889	6001BV	630027.7083832.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0160	.0050	.0000
1889	6002BV	631037.7075279.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0630	.0050	20.0000
1889	6003BV	612433.7085914.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.1015	.0050	20.0000
1889	6004BV	604459.7081338.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.1007	.0050	40.0000
1889	6005BV	605542.7087980.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0831	.0050	10.0000
1889	6006BV	607830.7088161.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0875	.0050	20.0000
1889	6007BV	617135.7086569.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.1844	.0050	60.0000
1889	6008BV	617426.7091198.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.1450	.0050	30.0000
1889	6009BV	611502.7094092.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0933	.0050	10.0000
1889	6010BV	624038.7095154.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0920	.0050	20.0000
1889	6011BV	628256.7096486.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0141	.0050	.0000
1889	6012BV	622808.7089658.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0428	.0050	10.0000
1889	6013BV	628179.7089858.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0110	.0050	.0000
1889	6014BV	625585.7086757.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0204	.0050	.0000
1889	6015BV	627384.7082711.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0109	.0050	.0000
1889	6016BV	622737.7075800.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.1960	.0050	80.0000
1889	6017BV	623004.7079974.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0398	.0050	10.0000
1889	6018BV	607993.7109598.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0104	.0050	.0000
1889	6020BV	634643.7120630.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0359	.0050	.0000
1889	6021BV	639777.7122235.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0113	.0050	.0000
1889	6022BV	620219.7107482.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0276	.0050	.0000
1889	6023BV	614028.7109111.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0649	.0050	20.0000
1889	6024BV	610378.7105980.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0493	.0050	.0000
1889	6025BV	614533.7104187.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0266	.0050	.0000
1889	6026BV	628403.7114709.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0878	.0050	.0000
1889	6027BV	631224.7118963.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0353	.0050	.0000
1889	6028BV	625000.7117109.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0375	.0050	.0000
1889	6029BV	625161.7116822.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0551	.0050	.0000
1889	6030BV	632789.7119454.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0356	.0050	.0000
1889	6031BV	600854.7104263.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0049	.0050	.0000
1889	6032BV	595590.7099829.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0045	.0050	.0000
1889	6033BV	589087.7101792.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0101	.0050	.0000

				Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
1889	6034BV	591298.7095457.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0077	.0050	.0000
1889	6035BV	602160.7106499.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0058	.0050	.0000
1889	6036BV	604271.7114315.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0038	.0050	.0000
1889	6037BV	611248.7117973.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0135	.0050	.0000
1889	6038BV	605756.7121951.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0045	.0050	.0000
1889	6039BV	606209.7119730.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0107	.0050	.0000
1889	6040BV	608197.7123592.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0273	.0050	.0000
1889	6041BV	599734.7125762.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0049	.0050	.0000
1889	6042BV	597239.7125950.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0034	.0050	.0000
1889	6043BV	589191.7123688.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0044	.0050	.0000
1889	6044BV	612805.7113626.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0509	.0050	.0000
1889	6045BV	613155.7113829.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0216	.0050	.0000
1889	6046BV	619980.7125380.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0109	.0050	.0000
1889	6047BV	618089.7125196.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0109	.0050	.0000
1889	6048BV	601861.7096329.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0049	.0050	.0000
1889	6049BV	597889.7093480.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0090	.0050	.0000
1889	6050BV	593359.7091163.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0060	.0050	.0000
1889	6051BV	605775.7130505.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0026	.0050	.0000
1889	6052BV	606765.7133474.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0033	.0050	.0000
1889	6053BV	611317.7128090.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0067	.0050	.0000
1889	6054BV	612342.7128270.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0101	.0050	.0000
1889	6055BV	635958.7172049.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0044	.0050	.0000
1889	6056BV	595660.7115702.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0031	.0050	.0000
1889	6057BV	599473.7117117.	32	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1889	6058BV	599495.7120264.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0086	.0050	.0000
1889	6059BV	590080.7116914.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0045	.0050	.0000
1889	6060BV	589138.7116772.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0052	.0050	.0000
1889	6061BV	587157.7116369.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0083	.0050	.0000
1889	6062BV	617182.7113538.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0312	.0050	.0000
1889	6063BV	622605.7111547.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0116	.0050	.0000
1889	6064BV	567624.7069172.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0050	.0050	.0000
1889	6065BV	579061.7077100.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0048	.0050	.0000
1889	6066BV	584047.7081775.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0041	.0050	.0000
1889	6067BV	588773.7086071.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0053	.0050	.0000
1889	6068BV	588459.7085970.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0043	.0050	.0000
1889	6069BV	604883.7140359.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0034	.0050	.0000
1889	6070BV	601344.7138468.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0038	.0050	.0000

				Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
1889	6071BV	605895.7144840.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0090	.0050	.0000
1889	6072BV	604702.7146323.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0106	.0050	.0000
1889	6073BV	599144.7146299.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0136	.0050	.0000
1889	6074BV	594820.7148082.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0089	.0050	.0000
1889	6075BV	593422.7146388.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0037	.0050	.0000
1889	6076BV	595081.7141481.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0038	.0050	.0000
1889	6077BV	610077.7141240.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0041	.0050	.0000
1889	6078BV	603990.7142036.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0060	.0050	.0000
1889	6079BV	603030.7127558.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0038	.0050	.0000
1889	6080BV	601677.7127083.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0035	.0050	.0000
1889	6081BV	589258.7134800.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0067	.0050	.0000
1889	6082BV	588610.7133936.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0056	.0050	.0000
1889	6083BV	590797.7139985.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0066	.0050	.0000
1889	6084BV	585576.7137944.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0060	.0050	.0000
1889	6085BV	595364.7142027.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0031	.0050	.0000
1889	6086BV	606957.7108303.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0054	.0050	.0000
1889	6087BV	620573.7115101.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0241	.0050	.0000
1889	6088BV	621613.7116032.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0410	.0050	.0000
1889	6089BV	610691.7136309.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0075	.0050	.0000
1889	6090BV	579591.7061535.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0269	.0050	10.0000
1889	6091BV	579889.7063218.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0207	.0050	.0000
1889	6092BV	650379.7128195.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0182	.0050	.0000
1889	6093BV	647797.7125500.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0095	.0050	.0000
1889	6094BV	597997.7077563.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0174	.0050	.0000
1889	6095BV	595866.7163660.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0207	.0050	.0000
1889	6096BV	598260.7161842.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0121	.0050	.0000
1889	6097BV	599179.7158490.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0077	.0050	.0000
1889	6098BV	602200.7149850.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0073	.0050	.0000
1889	6099BV	603800.7147800.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0110	.0050	.0000
1889	6100BV	615254.7136045.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0201	.0050	.0000
1889	6101BV	617970.7130362.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0049	.0050	.0000
1889	6102BV	619705.7128704.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0183	.0050	.0000
1889	6103BV	610376.7112924.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0293	.0050	.0000
1889	6104BV	618023.7141717.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0075	.0050	.0000
1889	6105BV	617330.7147038.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0277	.0050	10.0000
1889	6106BV	623057.7135583.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0229	.0050	.0000
1889	6107BV	621693.7134659.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0198	.0050	.0000
1889	6108BV	625639.7138876.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0072	.0050	.0000
1889	6109BV	627648.7131976.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0060	.0050	.0000

				Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
1889	6110BV	631763.7132255.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0104	.0050	.0000
1889	6111BV	598727.7168053.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0275	.0050	.0000
1889	6112BV	602462.7167466.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0051	.0050	.0000
1889	6113BV	610655.7156311.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0069	.0050	.0000
1889	6114BV	605365.7163101.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0056	.0050	.0000
1889	6115BV	616013.7159228.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0062	.0050	.0000
1889	6116BV	622036.7157396.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0328	.0050	.0000
1889	6117BV	623484.7159959.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0069	.0050	.0000
1889	6118BV	624407.7161096.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0056	.0050	.0000
1889	6119BV	640365.7146437.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0093	.0050	.0000
1889	6120BV	636313.7148418.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0177	.0050	.0000
1889	6121BV	632819.7149203.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0040	.0050	.0000
1889	6122BV	616179.7161009.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.1174	.0050	30.0000
1889	6123BV	618185.7164895.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0097	.0050	.0000
1889	6124BV	631252.7166385.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0036	.0050	.0000
1889	6125BV	645267.7129950.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0022	.0050	.0000
1889	6126BV	638761.7132441.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0194	.0050	.0000
1889	6127BV	635373.7134739.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0100	.0050	.0000
1889	6128BV	631358.7163883.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0036	.0050	.0000
1889	6129BV	633617.7165490.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0034	.0050	.0000
1889	6130BV	634512.7166050.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0046	.0050	.0000
1889	6131BV	633970.7157886.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0040	.0050	.0000
1889	6132BV	642511.7160788.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0031	.0050	.0000
1889	6133BV	645751.7159908.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0048	.0050	.0000
1889	6134BV	642565.7139940.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0049	.0050	.0000
1889	6135BV	640432.7143345.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0039	.0050	.0000
1889	6136BV	621469.7166686.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0057	.0050	.0000
1889	6137BV	619606.7168322.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0043	.0050	.0000
1889	6138BV	657695.7163129.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0076	.0050	.0000
1889	6139BV	658747.7165261.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0119	.0050	.0000
1889	6140BV	609052.7174821.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0315	.0050	.0000
1889	6141BV	608621.7170561.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0224	.0050	.0000
1889	6142BV	610492.7166789.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0264	.0050	10.0000
1889	6143BV	614726.7165019.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0093	.0050	.0000
1889	6144BV	654207.7168290.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0077	.0050	.0000
1889	6145BV	652530.7162326.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0060	.0050	.0000
1889	6146BV	648203.7158018.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0114	.0050	.0000

				Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
1889	6147BV	649213.7162708.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0044	.0050	.0000
1889	6148BV	650612.7163794.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0072	.0050	.0000
1889	6149BV	650833.7160444.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0054	.0050	.0000
1889	6150BV	636319.7139223.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0146	.0050	.0000
1889	6151BV	638230.7137611.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0139	.0050	.0000
1889	6152BV	624667.7174226.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0051	.0050	.0000
1889	6153BV	619590.7180397.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0352	.0050	.0000
1889	6154BV	617954.7175001.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0131	.0050	.0000
1889	6155BV	625310.7169302.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0048	.0050	.0000
1889	6156BV	626028.7168391.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0059	.0050	.0000
1889	6157BV	633554.7128458.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0085	.0050	.0000
1889	6158BV	652150.7142026.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0187	.0050	.0000
1889	6159BV	620971.7147212.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0054	.0050	.0000
1889	6160BV	612556.7139579.	32	.0900	.0400	.0200	.0070	.0150	.0060	.0250	.0010	.0147	.0050	.0000
1889	6161BV	671404.7174403.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0109	.0050	.0000
1889	6162BV	672258.7174957.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0094	.0050	.0000
1889	6163BV	666400.7168623.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0195	.0050	.0000
1889	6164BV	657498.7183116.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0122	.0050	.0000
1889	6165BV	658159.7180201.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0088	.0050	.0000
1889	6166BV	660910.7181721.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0073	.0050	.0000
1889	6167BV	661198.7165961.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0094	.0050	.0000
1889	6168BV	644175.7147920.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0046	.0050	.0000
1889	6169BV	646656.7152049.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0280	.0050	10.0000
1889	6170BV	647655.7151699.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0057	.0050	.0000
1889	6171BV	658458.7177220.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0092	.0050	.0000
1889	6172BV	656765.7173825.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0103	.0050	.0000
1889	6173BV	660833.7172070.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0127	.0050	.0000
1889	6174BV	659797.7174026.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0089	.0050	.0000
1889	6175BV	648325.7172375.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0034	.0050	.0000
1889	6176BV	650894.7175042.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0034	.0050	.0000
1889	6177BV	651198.7180158.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0029	.0050	.0000
1889	6178BV	648908.7182573.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0020	.0050	.0000
1889	6179BV	638369.7180328.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0031	.0050	.0000
1889	6180BV	638580.7179678.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0040	.0050	.0000
1889	6181BV	660666.7177564.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0057	.0050	.0000
1889	6182BV	667857.7179826.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0031	.0050	.0000
1889	6183BV	651370.7149413.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0029	.0050	.0000

				Pb	Ni	Co	V	Mo	Cd	Ba	Be	Sr	Li	K
1889	6184BV	648272.7153292.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0040	.0050	.0000
1889	6185BV	654150.7154668.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0074	.0050	.0000
1889	6186BV	663746.7178836.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0042	.0050	.0000
1889	6187BV	663601.7178342.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0057	.0050	.0000
1889	6188BV	573867.7064290.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0220	.0050	.0000
1889	6189BV	565603.7061505.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0126	.0050	.0000
1889	6190BV	563034.7057090.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0057	.0050	.0000
1889	6191BV	561653.7054181.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0045	.0050	.0000
1889	6192BV	559600.7052300.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0094	.0050	.0000
1889	6193BV	560000.7047550.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0229	.0050	.0000
1889	6194BV	570262.7051899.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0076	.0050	.0000
1889	6195BV	572320.7053569.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0051	.0050	.0000
1889	6196BV	577337.7058314.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0080	.0050	.0000
1889	6197BV	574835.7060441.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0082	.0050	.0000
1889	6198BV	578096.7067136.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0137	.0050	.0000
1889	6199BV	593529.7070282.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0124	.0050	.0000
1889	6200BV	561504.7068642.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0040	.0050	.0000
1889	6201BV	627964.7122239.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0091	.0050	.0000
1889	6202BV	597905.7078952.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0239	.0050	.0000
1889	6203BV	597427.7078555.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0123	.0050	.0000
1889	6204BV	588797.7081201.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0117	.0050	.0000
1889	6205BV	591540.7083783.	32	.0900	.0400	.0200	.0070	.0100	.0060	.0250	.0010	.0132	.0050	.0000

Tabell 1. Analyselister med askeprosent og konsentrasjon (mg/l) av F^-, Cl^-, Br^-, NO_3^-, SO_4^-, samt pH og konduktivitet ( ).

				F^-	Cl^-	Br^-	NO_3^-	SO_4^-	pH	H
1889	5001BV	636626.7080467.	32	.096	3.1	.000	.00	1.32	5.7	22.
1889	5002BV	639069.7076538.	32	.055	4.3	.000	.13	2.54	7.2	56.
1889	5003BV	641638.7081269.	32	.040	3.3	.000	.00	1.02	5.1	20.
1889	5004BV	643242.7085623.	32	.029	3.2	.000	.00	1.03	6.1	19.
1889	5005BV	649341.7088703.	32	.044	3.4	.000	.00	2.30	6.5	24.
1889	5006BV	649339.7078839.	32	.024	2.1	.000	.00	1.28	6.7	18.
1889	5007BV	644866.7078063.	32	.048	2.6	.000	.00	1.70	6.4	21.
1889	5008BV	655575.7090538.	32	.023	2.2	.000	.00	1.36	7.2	24.
1889	5009BV	652371.7096370.	32	.057	1.8	.000	.04	1.55	7.1	24.
1889	5010BV	652884.7098005.	32	.122	2.0	.000	.00	1.66	6.9	18.
1889	5011BV	655058.7078590.	32	.062	4.0	.000	.14	1.72	7.4	48.
1889	5012BV	655819.7080704.	32	.025	2.6	.000	.00	1.78	7.0	22.
1889	5013BV	650908.7084446.	32	.043	2.6	.000	.00	1.44	6.7	20.
1889	5014BV	636288.7089490.	32	.059	3.2	.000	.00	1.00	6.7	22.
1889	5015BV	636723.7085932.	32	.040	3.1	.000	.00	1.24	6.3	17.
1889	5016BV	643230.7091541.	32	.061	3.1	.000	.04	1.18	6.4	19.
1889	5017BV	643525.7097233.	32	.053	3.4	.000	.00	1.20	5.0	22.
1889	5018BV	640312.7094823.	32	.047	4.0	.053	.03	1.26	5.8	24.
1889	5019BV	637331.7099943.	32	.070	4.0	.026	3.01	1.33	4.6	31.
1889	5020BV	634533.7094278.	32	.056	3.6	.000	.05	1.06	6.2	22.
1889	5021BV	621180.7202683.	32	.041	11.0	.029	.03	3.39	6.7	50.
1889	5022BV	625668.7203327.	32	.030	8.5	.000	.00	2.46	6.2	36.
1889	5023BV	622710.7191918.	32	.091	11.0	.000	.03	2.87	6.6	48.
1889	5024BV	612484.7184584.	32	.102	19.0	.057	.00	5.46	7.0	84.
1889	5025BV	618434.7197686.	32	.046	13.0	.036	.00	3.69	6.6	51.
1889	5026BV	613515.7200998.	32	.070	15.0	.025	2.00	4.59	6.9	73.
1889	5027BV	611171.7198176.	32	.093	14.0	.028	.00	3.72	6.9	65.
1889	5028BV	611905.7195875.	32	.094	22.0	.070	1.92	6.05	7.0	90.
1889	5029BV	613976.7189472.	32	.272	19.0	.052	.85	12.40	7.1	120.
1889	5030BV	603454.7195063.	32	.134	16.0	.023	.03	4.34	7.1	85.
1889	5031BV	599173.7194856.	32	.262	21.0	.131	.20	31.00	7.9	500.
1889	5032BV	602247.7199272.	32	.143	16.0	.000	.00	4.11	7.4	90.
1889	5033BV	591170.7200135.	32	.057	15.0	.059	.02	2.75	5.1	60.
1889	5034BV	596317.7204825.	32	.115	22.0	.030	.05	5.75	7.0	125.
1889	5035BV	593625.7198104.	32	.200	20.0	.044	.03	3.93	7.4	150.
1889	5036BV	591233.7195686.	32	.174	19.0	.000	.00	5.05	7.5	135.
1889	5037BV	588054.7192416.	32	.134	22.0	.110	.06	3.07	6.7	97.
1889	5038BV	585720.7193923.	32	.115	21.0	.064	.07	3.01	5.1	75.
1889	5039BV	610958.7191190.	32	.406	20.0	.054	.20	31.04	7.2	240.
1889	6001BV	630027.7083832.	32	.160	4.0	.120	21.00	2.00	3.6	105.
1889	6002BV	631037.7075279.	32	.110	7.2	.000	.00	6.40	6.3	138.
1889	6003BV	612433.7085914.	32	.130	13.0	.030	6.30	9.10	7.8	200.
1889	6004BV	604459.7081338.	32	.170	19.0	.060	6.50	11.00	7.7	245.
1889	6005BV	605542.7087980.	32	.100	12.0	.053	3.50	7.40	7.8	150.
1889	6006BV	607830.7088161.	32	.130	15.0	.045	3.70	12.00	7.6	180.
1889	6007BV	617135.7086569.	32	.360	16.0	.195	5.80	34.00	8.2	365.
1889	6008BV	617426.7091198.	32	.360	29.0	.765	8.80	21.00	7.8	320.
1889	6009BV	611502.7094092.	32	.110	14.0	.038	2.10	13.00	7.9	180.
1889	6010BV	624038.7095154.	32	.080	8.2	.015	1.38	9.00	7.8	165.
1889	6011BV	628256.7096486.	32	.070	3.7	.000	55.00	2.00	3.2	240.
1889	6012BV	622808.7089658.	32	.070	8.8	.000	21.00	6.20	6.2	105.
1889	6013BV	628179.7089858.	32	.030	3.9	.015	11.00	2.10	4.0	55.
1889	6014BV	625585.7086757.	32	.230	4.7	.000	26.00	1.80	3.6	125.

				F^-	Cl^-	Br^-	NO_3^-	SO_4^-	pH	H
1889	6015BV	627384.7082711.	32	.030	3.8	.000	.00	1.20	5.9	30.
1889	6016BV	622737.7075800.	32	.380	96.0	.450	3.00	28.00	8.2	620.
1889	6017BV	623004.7079974.	32	.080	6.8	.000	1.85	5.20	7.9	90.
1889	6018BV	607993.7109598.	32	.030	6.3	.023	.54	2.30	7.6	45.
1889	6020BV	634643.7120630.	32	.030	4.3	.000	.06	1.80	7.6	80.
1889	6021BV	639777.7122235.	32	.330	4.2	.003	.19	1.60	7.3	37.
1889	6022BV	620219.7107482.	32	.040	5.2	.015	.61	2.10	7.1	58.
1889	6023BV	614028.7109111.	32	.100	9.9	.018	3.41	4.80	6.8	118.
1889	6024BV	610378.7105980.	32	.070	6.9	.008	.00	5.20	7.2	83.
1889	6025BV	614533.7104187.	32	.050	6.5	.045	1.85	3.50	7.1	65.
1889	6026BV	628403.7114709.	32	.110	5.1	.023	.12	3.50	7.9	155.
1889	6027BV	631224.7118963.	32	.280	4.2	.018	.36	1.40	7.1	90.
1889	6028BV	625000.7117109.	32	.150	5.1	.000	.00	1.70	7.2	97.
1889	6029BV	625161.7116822.	32	.070	5.3	.006	.56	2.80	7.4	100.
1889	6030BV	632789.7119454.	32	.180	4.4	.026	.61	2.00	7.5	80.
1889	6031BV	600854.7104263.	32	.520	3.2	.600	.02	1.20	3.7	60.
1889	6032BV	595590.7099829.	32	.110	4.0	.015	.02	1.20	5.9	23.
1889	6033BV	589087.7101792.	32	.020	4.9	.030	.00	1.40	6.2	38.
1889	6034BV	591298.7095457.	32	.190	4.6	.008	.06	1.80	6.8	32.
1889	6035BV	602160.7106499.	32	.480	4.3	.390	.06	1.20	3.7	58.
1889	6036BV	604271.7114315.	32	.050	4.0	.003	.00	1.10	6.5	30.
1889	6037BV	611248.7117973.	32	.110	6.0	.000	.24	2.10	5.9	35.
1889	6038BV	605756.7121951.	32	.040	4.1	.045	.00	1.40	5.1	20.
1889	6039BV	606209.7119730.	32	.180	6.2	.012	.02	2.00	5.4	30.
1889	6040BV	608197.7123592.	32	.100	9.6	.030	.00	3.00	6.1	80.
1889	6041BV	599734.7125762.	32	.120	6.3	.012	.03	1.60	6.1	35.
1889	6042BV	597239.7125950.	32	.050	4.4	.120	.00	1.10	5.4	25.
1889	6043BV	589191.7123688.	32	.260	6.3	.003	.08	1.90	5.6	30.
1889	6044BV	612805.7113626.	32	.150	9.2	.030	.49	5.50	7.0	115.
1889	6045BV	613155.7113829.	32	.090	6.4	.000	.01	2.50	7.0	50.
1889	6046BV	619980.7125380.	32	.070	5.9	.000	.15	1.90	7.0	40.
1889	6047BV	618089.7125196.	32	.060	6.9	.033	.26	2.10	7.0	40.
1889	6048BV	601861.7096329.	32	.080	2.1	.375	.05	1.10	6.6	20.
1889	6049BV	597889.7093480.	32	.010	3.0	.038	.00	1.20	6.3	20.
1889	6050BV	593359.7091163.	32	.020	4.9	.003	.50	1.20	6.0	22.
1889	6051BV	605775.7130505.	32	.020	3.8	.000	.00	1.20	6.8	45.
1889	6052BV	606765.7133474.	32	.250	5.4	.015	.05	1.10	7.4	30.
1889	6053BV	611317.7128090.	32	.030	6.7	.015	.00	1.80	7.0	30.
1889	6054BV	612342.7128270.	32	.040	5.8	.000	.00	1.80	5.5	20.
1889	6055BV	635958.7172049.	32	.050	4.1	.023	.43	2.50	5.7	33.
1889	6056BV	595660.7115702.	32	.030	3.0	.023	.00	1.20	7.0	20.
1889	6057BV	599473.7117117.	32	.020	6.0	.012	.00	2.00	6.0	20.
1889	6058BV	599495.7120264.	32	.140	5.9	.018	.03	1.90	6.0	40.
1889	6059BV	590080.7116914.	32	.080	3.4	.015	.32	1.50	5.9	25.
1889	6060BV	589138.7116772.	32	.110	3.0	.045	.31	1.60	6.0	20.
1889	6061BV	587157.7116369.	32	.010	4.6	.005	.11	1.90	5.9	30.
1889	6062BV	617182.7113538.	32	.070	6.1	.030	.94	2.70	8.0	80.
1889	6063BV	622605.7111547.	32	.030	5.1	.000	.00	1.20	.0	0.
1889	6064BV	567624.7069172.	32	.040	2.4	.015	.01	1.30	7.0	20.
1889	6065BV	579061.7077100.	32	.130	3.8	.005	.17	1.20	6.7	20.
1889	6066BV	584047.7081775.	32	.150	3.8	.015	.14	1.20	6.0	20.
1889	6067BV	588773.7086071.	32	.010	3.7	.008	.03	1.20	6.0	20.
1889	6068BV	588459.7085970.	32	.040	3.7	.015	.09	1.20	7.0	20.
1889	6069BV	604883.7140359.	32	.020	3.8	.090	.04	2.60	8.4	23.
1889	6070BV	601344.7138468.	32	.000	.0	.000	.00	.00	.0	0.
1889	6071BV	605895.7144840.	32	.070	4.8	.090	.04	2.60	7.3	30.

				F^-	Cl^-	Br^-	NO_3^-	SO_4^-	pH	H
1889	6072BV	604702.7146323.	32	.060	8.1	.015	.17	2.60	6.8	40.
1889	6073BV	599144.7146299.	32	.100	9.2	.030	.27	3.30	6.9	50.
1889	6074BV	594820.7148082.	32	.130	7.6	.023	.29	2.70	6.5	40.
1889	6075BV	593422.7146388.	32	.020	5.6	.023	.34	2.00	5.5	30.
1889	6076BV	595081.7141481.	32	.150	4.8	.000	.02	2.30	5.0	20.
1889	6077BV	610077.7141240.	32	.100	4.7	.011	.71	1.60	4.9	20.
1889	6078BV	603990.7142036.	32	.060	5.9	.011	.26	2.40	5.0	30.
1889	6079BV	603030.7127558.	32	.110	5.3	.015	.14	1.30	4.5	20.
1889	6080BV	601677.7127083.	32	.310	5.1	.030	.12	1.30	4.7	25.
1889	6081BV	589258.7134800.	32	.120	6.3	.023	.12	2.70	7.8	35.
1889	6082BV	588610.7133936.	32	.110	5.9	.017	.00	2.20	5.7	30.
1889	6083BV	590797.7139985.	32	.050	6.3	.018	.00	2.70	5.4	35.
1889	6084BV	585576.7137944.	32	.920	7.3	.038	.39	3.20	6.7	40.
1889	6085BV	595364.7142027.	32	.220	4.3	.018	.31	2.10	4.6	20.
1889	6086BV	606957.7108303.	32	.070	6.3	.030	.01	2.10	6.1	30.
1889	6087BV	620573.7115101.	32	.600	5.0	.012	1.41	2.00	4.8	60.
1889	6088BV	621613.7116032.	32	.090	5.1	.011	.75	2.30	5.0	80.
1889	6089BV	610691.7136309.	32	.300	5.8	.011	.34	1.60	5.0	30.
1889	6090BV	579591.7061535.	32	.050	6.8	.023	.51	3.30	6.9	68.
1889	6091BV	579889.7063218.	32	.080	6.2	.015	.31	3.10	6.7	58.
1889	6092BV	650379.7128195.	32	.060	2.8	.002	.34	1.50	6.3	32.
1889	6093BV	647797.7125500.	32	.350	2.3	.005	.12	1.20	6.4	31.
1889	6094BV	597997.7077563.	32	.060	6.9	.012	.00	3.60	6.1	60.
1889	6095BV	595866.7163660.	32	.070	18.0	.053	.00	4.40	6.0	76.
1889	6096BV	598260.7161842.	32	.060	18.0	.045	.13	3.40	5.5	68.
1889	6097BV	599179.7158490.	32	.090	13.0	.041	.13	2.90	6.3	44.
1889	6098BV	602200.7149850.	32	.040	13.0	.032	.22	2.10	4.6	49.
1889	6099BV	603800.7147800.	32	.030	12.0	.038	.22	2.60	5.5	52.
1889	6100BV	615254.7136045.	32	.060	7.5	.033	.00	1.90	5.0	50.
1889	6101BV	617970.7130362.	32	.040	5.3	.000	.12	1.40	4.5	30.
1889	6102BV	619705.7128704.	32	.110	6.6	.015	.01	2.10	4.7	50.
1889	6103BV	610376.7112924.	32	.110	7.5	.005	.00	3.00	6.7	105.
1889	6104BV	618023.7141717.	32	.110	6.0	.032	.03	1.80	5.6	45.
1889	6105BV	617330.7147038.	32	.080	9.1	.003	.00	2.90	6.5	65.
1889	6106BV	623057.7135583.	32	.100	7.3	.006	.32	2.30	6.7	52.
1889	6107BV	621693.7134659.	32	.140	6.3	.015	.02	1.30	6.7	50.
1889	6108BV	625639.7138876.	32	.100	6.3	.000	.09	2.00	5.8	40.
1889	6109BV	627648.7131976.	32	.060	5.7	.012	.00	1.90	6.0	38.
1889	6110BV	631763.7132255.	32	.100	5.4	.005	.19	1.30	6.2	34.
1889	6111BV	598727.7168053.	32	.130	6.1	.045	.00	5.70	6.9	95.
1889	6112BV	602462.7167466.	32	.040	8.8	.045	.00	3.80	5.0	53.
1889	6113BV	610655.7156311.	32	.350	9.9	.030	.05	2.60	5.4	54.
1889	6114BV	605365.7163101.	32	.060	9.1	.023	.26	3.00	5.1	45.
1889	6115BV	616013.7159228.	32	.030	10.0	.030	.19	3.10	5.2	58.
1889	6116BV	622036.7157396.	32	.220	11.0	.008	.71	3.50	6.9	110.
1889	6117BV	623484.7159959.	32	.040	5.6	.002	.31	3.10	6.8	49.
1889	6118BV	624407.7161096.	32	.090	5.9	.038	.53	3.60	6.7	45.
1889	6119BV	640365.7146437.	32	.060	6.9	.000	.00	1.60	5.4	45.
1889	6120BV	636313.7148418.	32	.050	9.9	.045	.56	2.80	6.4	89.
1889	6121BV	632819.7149203.	32	.020	4.6	.020	.00	1.60	5.3	30.
1889	6122BV	616179.7161009.	32	.290	127.0	.465	.82	26.00	6.1	700.
1889	6123BV	618185.7164895.	32	.030	7.6	.015	.00	3.40	6.7	58.
1889	6124BV	631252.7166385.	32	.320	5.4	.015	.06	1.70	5.5	30.
1889	6125BV	645267.7129950.	32	.070	1.9	.002	.20	1.00	5.1	18.
1889	6126BV	638761.7132441.	32	.040	5.0	.000	3.10	1.20	5.8	55.
1889	6127BV	635373.7134739.	32	.100	4.6	.002	.20	1.40	6.0	37.

				F^-	Cl^-	Br^-	NO_3^-	SO_4^-	pH	H
1889	6128BV	631358.7163883.	32	.010	3.6	.023	.00	1.80	5.3	29.
1889	6129BV	633617.7165490.	32	.720	4.1	.023	.27	1.80	5.7	30.
1889	6130BV	634512.7166050.	32	.090	3.3	.015	.51	1.70	5.9	30.
1889	6131BV	633970.7157886.	32	.030	3.2	.015	.00	2.30	6.1	30.
1889	6132BV	642511.7160788.	32	.080	2.4	.015	.10	.90	5.4	20.
1889	6133BV	645751.7159908.	32	.130	2.8	.015	.00	1.20	5.7	26.
1889	6134BV	642565.7139940.	32	.070	2.9	.000	.00	1.10	5.6	26.
1889	6135BV	640432.7143345.	32	.080	3.6	.000	.10	1.40	5.7	28.
1889	6136BV	621469.7166686.	32	.080	7.5	.030	.15	2.40	5.3	41.
1889	6137BV	619606.7168322.	32	.050	5.1	.015	.02	1.80	5.3	30.
1889	6138BV	657695.7163129.	32	.170	4.5	.000	.27	1.20	6.2	31.
1889	6139BV	658747.7165261.	32	.030	4.2	.030	.07	1.80	6.4	30.
1889	6140BV	609052.7174821.	32	.070	17.0	.075	.00	3.90	6.2	110.
1889	6141BV	608621.7170561.	32	.090	16.0	.075	.00	4.60	6.0	98.
1889	6142BV	610492.7166789.	32	.060	19.0	.083	.15	4.90	5.8	110.
1889	6143BV	614726.7165019.	32	.050	9.6	.030	.03	2.80	5.3	58.
1889	6144BV	654207.7168290.	32	.110	5.6	.015	.14	1.00	5.4	32.
1889	6145BV	652530.7162326.	32	.940	4.7	.018	.34	1.10	4.7	35.
1889	6146BV	648203.7158018.	32	.050	9.1	.030	.00	2.30	5.8	58.
1889	6147BV	649213.7162708.	32	.160	4.4	.006	.26	1.20	5.2	30.
1889	6148BV	650612.7163794.	32	.050	5.3	.008	.00	1.60	5.3	38.
1889	6149BV	650833.7160444.	32	.030	5.0	.020	.19	1.20	4.7	35.
1889	6150BV	636319.7139223.	32	.030	5.8	.005	.01	1.50	6.0	49.
1889	6151BV	638230.7137611.	32	.080	5.1	.002	.10	1.90	6.4	50.
1889	6152BV	624667.7174226.	32	.060	7.5	.030	.17	2.60	5.4	43.
1889	6153BV	619590.7180397.	32	.060	13.0	.053	.00	2.80	6.4	90.
1889	6154BV	617954.7175001.	32	.130	8.3	.015	.07	2.70	6.6	59.
1889	6155BV	625310.7169302.	32	.760	8.0	.023	.27	1.90	5.8	40.
1889	6156BV	626028.7168391.	32	.060	7.0	.030	.15	2.30	5.9	49.
1889	6157BV	633554.7128458.	32	.080	5.1	.015	1.32	1.00	5.4	32.
1889	6158BV	652150.7142026.	32	.050	2.7	.015	.01	2.00	6.8	70.
1889	6159BV	620971.7147212.	32	.660	6.2	.045	1.41	1.90	5.3	35.
1889	6160BV	612556.7139579.	32	.160	8.6	.015	.00	1.90	6.1	58.
1889	6161BV	671404.7174403.	32	.060	3.2	.006	.09	1.80	6.1	38.
1889	6162BV	672258.7174957.	32	.030	3.2	.000	.00	1.40	6.0	32.
1889	6163BV	666400.7168623.	32	.040	3.4	.003	.00	1.60	6.4	45.
1889	6164BV	657498.7183116.	32	.020	4.1	.015	.41	2.10	5.6	31.
1889	6165BV	658159.7180201.	32	.120	4.2	.015	.02	1.40	6.1	38.
1889	6166BV	660910.7181721.	32	.040	3.3	.015	.00	1.00	5.0	25.
1889	6167BV	661198.7165961.	32	.080	4.5	.015	.22	1.60	6.0	36.
1889	6168BV	644175.7147920.	32	.090	3.9	.008	.01	1.30	5.1	27.
1889	6169BV	646656.7152049.	32	.100	7.1	.030	.00	2.80	7.1	78.
1889	6170BV	647655.7151699.	32	.160	4.2	.008	.03	1.40	6.3	28.
1889	6171BV	658458.7177220.	32	.110	4.4	.008	.00	1.20	5.9	31.
1889	6172BV	656765.7173825.	32	.180	5.1	.000	.39	1.30	6.2	42.
1889	6173BV	660833.7172070.	32	.180	3.9	.008	.37	2.20	6.4	40.
1889	6174BV	659797.7174026.	32	.130	2.8	.003	.20	1.80	6.2	26.
1889	6175BV	648325.7172375.	32	.180	4.1	.003	.12	1.50	5.4	23.
1889	6176BV	650894.7175042.	32	.270	3.9	.015	.22	1.40	5.1	23.
1889	6177BV	651198.7180158.	32	.140	3.7	.020	.31	1.60	5.2	20.
1889	6178BV	648908.7182573.	32	.400	3.3	.045	.51	1.50	5.2	20.
1889	6179BV	638369.7180328.	32	.020	4.3	.000	.00	1.60	5.3	27.
1889	6180BV	638580.7179678.	32	.360	5.8	.015	.19	1.40	5.3	29.
1889	6181BV	660666.7177564.	32	.100	2.9	.023	.20	1.30	6.1	23.
1889	6182BV	667857.7179826.	32	.080	1.8	.012	.27	1.80	6.3	19.
1889	6183BV	651370.7149413.	32	.300	2.8	.015	.12	1.30	5.2	26.

				F^-	Cl^-	Br^-	NO_3^-	SO_4^-	pH	H
1889	6184BV	648272.7153292.	32	.110	4.6	.015	.15	1.30	6.1	30.
1889	6185BV	654150.7154668.	32	.050	5.0	.000	.36	1.50	6.7	32.
1889	6186BV	663746.7178836.	32	.380	3.0	.020	.26	1.90	6.8	21.
1889	6187BV	663601.7178342.	32	.010	2.4	.000	.00	1.80	6.9	20.
1889	6188BV	573867.7064290.	32	.020	5.8	.005	.00	2.70	6.9	58.
1889	6189BV	565603.7061505.	32	.020	5.1	.015	.05	1.90	6.9	38.
1889	6190BV	563034.7057090.	32	.020	5.2	.015	.00	1.50	5.8	25.
1889	6191BV	561653.7054181.	32	.140	5.2	.012	.03	1.50	5.7	23.
1889	6192BV	559600.7052300.	32	.160	6.5	.003	.34	1.40	6.2	33.
1889	6193BV	560000.7047550.	32	.050	7.2	.018	.92	2.90	6.9	74.
1889	6194BV	570262.7051899.	32	.040	4.8	.017	.00	1.80	6.8	28.
1889	6195BV	572320.7053569.	32	.020	4.4	.012	.12	1.30	6.5	23.
1889	6196BV	577337.7058314.	32	.040	5.1	.015	.03	1.60	6.7	33.
1889	6197BV	574835.7060441.	32	.230	5.2	.008	.07	1.70	6.9	33.
1889	6198BV	578096.7067136.	32	.380	5.8	.015	.20	2.30	6.7	45.
1889	6199BV	593529.7070282.	32	.080	5.8	.023	.03	2.70	6.7	38.
1889	6200BV	561504.7068642.	32	.660	5.2	.015	.03	1.70	5.8	22.
1889	6201BV	627964.7122239.	32	.100	4.0	.073	.07	1.30	6.1	28.
1889	6202BV	597905.7078952.	32	.150	11.0	.032	.56	2.90	5.9	43.
1889	6203BV	597427.7078555.	32	.160	8.0	.019	.36	2.60	5.3	33.
1889	6204BV	588797.7081201.	32	.090	8.0	.024	.00	2.30	4.9	35.
1889	6205BV	591540.7083783.	32	.150	11.0	.032	.18	2.50	5.1	40.

Tabell 2. Statistiske parametre for 243 bekkevannsprøver, Nord-Trøndelag

	Min	Maks	Gjennomsnitt	Std.avvik	Ant. prøver målt/ over det.gr.
Si (mg/l)	0.300	4.23	0.788	0.566	242
Al "	0.100	0.56	0.170	0.085	242
Fe "	0.010	4.06	0.302	0.441	242
Ti "	0.004	0.019	0.004	0.001	242
Mg "	0.164	12.1	0.980	1.35	242
Ca "	0.185	95.4	4.37	8.93	242
Na "	1.200	84.4	5.50	7.19	242
Mn "	0.050	1.10	0.056	0.069	242
Cu £	0.001	0.061	0.003	0.006	242
Zn "	0.006	0.035	0.008	0.005	242
Pb "	0.090	0.090	0.090	0.000	242
Ni "	0.040	0.040	0.040	0.000	242
Co "	0.020	0.020	0.020	0.000	242
V "	0.007	0.007	0.007	0.000	242
Mo "	0.010	0.015	0.010	0.000	242
Cd "	0.006	0.006	0.006	0.000	242
Ba "	0.025	0.025	0.025	0.000	242
Be "	0.001	0.001	0.001	0.000	242
Sr "	0.031	0.619	0.021	0.049	242
Li "	0.005	0.005	0.005	0.000	242
K "	0.500	80.0	7.94	15.06	242
F^- "	0.010	0.94	0.127	0.14	242
Cl^- "	1.80	127.0	7.74	10.68	242
Br^- "	0.003	0.77	0.042	0.09	193
NO_3^- "	0.01	55.0	1.33	5.23	173
SO_4^{2-} "	0.90	34.0	3.09	4.49	242
pH "	3.2	8.4	6.17	0.94	241
"	17.0	700.0	60.8	78.27	241

Tabell 3. Korrelasjonsmatrise med t-verdier for 28 variable listet i Tabell 2.

CORRELATION MATRIX

VAR	1 11 21	2 12 22	3 13 23	4 14 24	5 15 25	6 16 26	7 17 27	8 18 28	9 19	10 20
Si 1	1.00000 .11626 -.09410	.34951 -.07875 .04852	-.01643 .04941 -.02214	.05718 .04852 -.03259	-.04585 .04852 -.14479	.07285 .05108 -.12006	-.08816 .03580 .03450	-.06319 .04852 -.11003	-.14729 .05168	-.00093 .05195
Al 2	.34951 .08458 .04418	1.00000 .07737 .01433	.06630 .01827 -.18657	.41315 .01433 .07849	.14587 .01433 .13168	.13343 .03023 -.04349	-.01943 .01892 -.16865	-.06557 .01247 .03519	.13128 .03335	-.06777 .03965
Fe 3	-.01643 -.07244 .59376	.06630 -.02997 .08912	1.00000 .08916 .71175	.28647 .08912 .16187	.17860 .08912 .58986	.25389 .08912 .41305	.81696 .09149 .12165	.65193 .08914 .76648	.63469 .08915	.43238 .08915
Ti 4	.05718 -.01486 -.05087	.41315 .21741 .12761	.28647 .12765 -.06326	1.00000 .12761 .03506	.29886 .12761 .17239	.60699 .12767 .02396	.06272 .14948 -.09875	-.12664 .12772 -.01698	.17609 .12771	-.06176 .12773
Mg 5	-.04585 .39006 .05218	.14587 .41395 .04394	.17860 .04396 .11353	.29886 .04394 .02015	1.00000 .04394 .23144	.22480 .04396 .10993	.16782 .04891 -.00937	.01895 .04397 .10351	.22807 .04395	.14210 .04395
Ca 6	.07285 .07008 .01619	.13343 .12408 .19203	.25389 .19179 .09201	.60699 .19203 -.01664	.22480 .19203 .10289	1.00000 .19216 .03941	.12995 .16635 -.03414	-.00222 .19216 .02621	.11712 .19213	-.00566 .19204
Na 7	-.08816 -.06108 .69769	-.01943 -.01347 .04658	.81696 .04660 .84900	.06272 .04658 .18995	.16782 .04658 .84784	.12995 .04660 .57539	1.00000 .04186 .11552	.74845 .04660 .88793	.87970 .04660	.58874 .04659
Mn 8	-.06319 -.05617 .96198	-.06557 -.10699 .03143	.65193 .03144 .62238	-.12664 .03143 .15990	.01895 .03143 .40281	-.00222 .03145 .33836	.74845 .02287 .11424	1.00000 .03146 .83725	.46229 .03144	.44482 .03145
Cu 9	-.14729 -.05245 .48368	.13128 .04890 .04913	.63469 .04914 .65046	.17609 .04913 .15487	.22807 .04913 .98874	.11712 .04911 .56059	.87970 .04635 .03695	.46229 .04916 .69929	1.00000 .04914	.55731 .04914
Zn 10	-.00093 -.02587 .41393	-.06777 .03287 .05184	.43238 .05192 .63195	-.06176 .05184 .12799	.14210 .05184 .54996	-.00566 .05190 .34422	.58874 .04384 .02765	.44482 .05196 .44993	.55731 .05200	1 00000 .05202
Pb 11	.11626 1.00000 -.04860	.08458 .24123 .03145	-.07244 .03148 -.03094	-.01486 .03145 .00012	.39006 .03145 -.04282	.07008 .03146 -.01991	-.06108 .01900 -.04219	-.05617 .03149 -.05258	-.05245 .03148	-.02587 .03148
Ni 12	-.07875 .24123 -.07719	.07737 1.00000 .11342	-.02997 .11344 -.01791	.21741 .11342 .11760	.41395 .11342 .06593	.12408 .11357 .05807	-.01347 .08767 -.07776	-.10699 .11345 -.05100	.04890 .11354	.03287 .11353
Co 13	.04941 .03148 .02831	.01827 .11344 .99913	.08916 1.00000 .01501	.12765 .99913 .04749	.04396 .99913 .01027	.19179 .99965 .01639	.04660 .89398 .01358	.03144 1.00039 .01541	.04914 .99936	.05192 .99840
V 14	.04852 .03145	.01433 .11342	.08912 .99913	.12761 1.00000	.04394 1.00000	.19203 .99884	.04658 .89475	.03143 .99890	.04913 .99764	.05184 1.00001

	.02828	1.00000	.01500	.04749	.01024	.01637	.01357	.01539		
Mo^{15}	.04852	.01433	.08912	.12761	.04394	.19203	.04658	.03143	.04913	.05184
	.03145	.11342	.99913	1.00000	1.00000	.99884	.89475	.99890	.99764	1.00001
	.02828	1.00000	.01500	.04749	.01024	.01637	.01357	.01539		
Cd^{16}	.05108	.03023	.08912	.12767	.04396	.19216	.04660	.03145	.04911	.05190
	.03146	.11357	.99965	.99884	.99884	1.00000	.89366	1.00022	.99855	1.00076
	.02829	.99884	.01501	.04750	.01027	.01640	.01357	.01541		
Ba^{17}	.03580	.01892	.09149	.14948	.04891	.16635	.04186	.02287	.04635	.04384
	.01900	.08767	.89398	.89475	.89475	.89366	1.00000	.89379	.89265	.89476
	.02131	.89475	.00669	.04921	.01156	.00834	.00605	.00620		
Be^{18}	.04852	.01247	.08914	.12772	.04397	.19216	.04660	.03146	.04916	.05196
	.03149	.11345	1.00039	.99890	.99890	1.00022	.89379	1.00000	.99948	1.00077
	.02829	.99890	.01501	.04751	.01023	.01639	.01358	.01539		
Sr^{19}	.05168	.03335	.08915	.12771	.04395	.19213	.04660	.03144	.04914	.05200
	.03148	.11354	.99936	.99764	.99764	.99855	.89265	.99948	1.00000	1.00059
	.02828	.99764	.01501	.04750	.01030	.01640	.01357	.01545		
Li^{20}	.05195	.03965	.08915	.12773	.04395	.19204	.04659	.03145	.04914	.05202
	.03148	.11353	.99840	1.00001	1.00001	1.00076	.89476	1.00077	1.00059	1.00000
	.02829	1.00001	.01501	.04751	.01032	.01639	.01358	.01545		
K^{21}	-.09410	.04418	.59376	-.05087	.05218	.01619	.69769	.96198	.48368	.41393
	-.04860	-.07719	.02831	.02828	.02828	.02829	.02131	.02829	.02828	.02829
	1.00000	.02828	.49799	.15517	.42540	.31754	.08174	.81649		
F^{-22}	.04852	.01433	.08912	.12761	.04394	.19203	.04658	.03143	.04913	.05184
	.03145	.11342	.99913	1.00000	1.00000	.99884	.89475	.99890	.99764	1.00001
	.02828	1.00000	.01500	.04749	.01024	.01637	.01357	.01539		
Cl^{-23}	-.02214	-.18657	.71175	-.06326	.11353	.09201	.84900	.62238	.65046	.63195
	-.03094	-.01791	.01501	.01500	.01500	.01501	.00669	.01501	.01501	.01501
	.49799	.01500	1.00000	.15963	.62796	.49023	.15206	.74330		
Br^{-24}	-.03259	.07849	.16187	.03506	.02015	-.01664	.18995	.15990	.15487	.12799
	.00012	.11760	.04749	.04749	.04749	.04750	.04921	.04751	.04750	.04751
	.15517	.04749	.15963	1.00000	.15286	.28077	.02537	.21591		
NO_3^{-25}	-.14479	.13168	.58986	.17239	.23144	.10289	.84784	.40281	.98874	.54996
	-.04282	.06593	.01027	.01024	.01024	.01027	.01156	.01023	.01030	.01032
	.42540	.01024	.62796	.15286	1.00000	.54172	.03044	.66454		
SO_4^{--26}	-.12006	-.04349	.41305	.02396	.10993	.03941	.57539	.33836	.56059	.34422
	-.01991	.05807	.01639	.01637	.01637	.01640	.00834	.01639	.01640	.01639
	.31754	.01637	.49023	.28077	.54172	1.00000	.07866	.49526		
pH^{27}	.03450	-.16865	.12165	-.09875	-.00937	-.03414	.11552	.11424	.03695	.02765
	-.04219	-.07776	.01358	.01357	.01357	.01357	.00605	.01358	.01357	.01358
	.08174	.01357	.15206	.02537	.03044	.07866	1.00000	.11041		
H^{28}	-.11003	.03519	.76648	-.01698	.10351	.02621	.88793	.83725	.69929	.44993
	-.05258	-.05100	.01541	.01539	.01539	.01541	.00620	.01539	.01545	.01545
	.81649	.01539	.74330	.21591	.66454	.49526	.11041	1.00000		

T-VALUE MATRIX

VAR	1 11 21	2 12 22	3 13 23	4 14 24	5 15 25	6 16 26	7 17 27	8 18 28	9 19	10 20
Si 1	.00000	5.79102	-.25512	.88914	-.71250	1.13392	-1.37401	-.98301	-2.31174	-.01440
	1.81712	-1.22639	.76798	.75413	.75413	.79398	.55619	.75409	.80343	.80757
	-1.46740	.75413	-.34379	-.50623	-2.27168	-1.87746	.53585	-1.71857		
Al 2	5.79102	.00000	1.03154	7.04302	2.28899	2.09005	-.30161	-1.02015	2.05577	-1.05447
	1.31776	1.20478	.28373	.22248	.22248	.46953	.29371	.19361	.51801	.61601
	.68645	.22248	-2.94805	1.22225	2.06220	-.67582	-2.65626	.54668		
Fe 3	-.25512	1.03154	.00000	4.64178	2.81800	4.07503	21.99179	13.34685	12.75034	7.44411
	-1.12758	-.46550	1.38962	1.38912	1.38912	1.38906	1.42635	1.38940	1.38953	1.38955
	11.45568	1.38912	15.73026	2.54653	11.33995	7.04103	1.90258	18.52670		
Ti 4	.88914	7.04302	4.64178	.00000	4.86175	11.85722	.97563	-1.98189	2.77709	-.96067
	-.23076	3.45774	1.99799	1.99729	1.99729	1.99825	2.34691	1.99907	1.99894	1.99930
	-.79080	1.99729	-.98397	.54467	2.71691	.37210	-1.54048	-.26359		
Mg 5	-.71250	2.28899	2.81800	4.86175	.00000	3.58158	2.64269	.29417	3.63639	2.22853
	6.57623	7.05956	.68308	.68283	.68283	.68316	.76016	.68329	.68291	.68297
	.81119	.68283	1.77393	.31292	3.69316	1.71691	-.14542	1.61557		
Ca 6	1.13392	2.09005	4.07503	11.85722	3.58158	.00000	2.03457	-.03446	1.83079	-.08781
	1.09065	1.94127	3.03378	3.03763	3.03763	3.03980	2.61896	3.03981	3.03925	3.03778
	.25143	3.03763	1.43441	-.25831	1.60580	.61228	-.53033	.40704		
Na 7	-1.37401	-.30161	21.99179	.97563	2.64269	2.03457	.00000	17.51986	28.71833	11.30688
	-.94999	-.20914	.72417	.72397	.72397	.72427	.65046	.72426	.72418	.72403
	15.11872	.72397	24.94386	3.00345	24.82172	10.92151	1.80543	29.96689		
Mn 8	-.98301	-1.02015	13.34685	-1.98189	.29417	-.03446	17.51986	.00000	8.09347	7.71034
	-.87333	-1.67055	.48834	.48818	.48818	.48843	.35521	.48861	.48838	.48853
	54.68281	.48818	12.34397	2.51462	6.83208	5.58195	1.78522	23.76978		
Cu 9	-2.31174	2.05577	12.75034	2.77709	3.63639	1.83079	28.71833	8.09347	.00000	10.42005
	-.81530	.76001	.76385	.76365	.76365	.76335	.72028	.76414	.76373	.76386
	8.57890	.76365	13.29469	2.43364	102.59096	10.50919	.57401	15.18670		
Zn 10	-.01440	-1.05447	7.44411	-.96067	2.22853	-.08781	11.30688	7.71034	10.42005	.00000
	-.40168	.51061	.80704	.80580	.80580	.80674	.68128	.80779	.80834	.80859
	7.05915	.80580	12.65866	2.00334	10.22234	5.69147	.42935	7.82107		
Pb 11	1.81712	1.31776	-1.12758	-.23076	6.57623	1.09065	-.94999	-.87333	-.81530	-.40168
	.00000	3.85890	.48899	.48847	.48847	.48857	.29498	.48905	.48899	.48893
	-.75535	.48847	-.48050	.00191	-.66538	-.30912	-.65553	-.81739		
Ni 12	-1.22639	1.20478	-.46550	3.45774	7.05956	1.94127	-.20914	-1.67055	.76001	.51061
	3.85890	.00000	1.77243	1.77221	1.77221	1.77448	1.36634	1.77265	1.77415	1.77390
	-1.20185	1.77221	-.27809	1.83846	1.02581	.90294	-1.21079	-.79277		
Co 13	.76798	.28373	1.38962	1.99799	.68308	3.03378	.72417	.48834	.76385	.80704
	.48899	1.77243	.00000	372.22534	372.22534	586.00562	30.97027	554.76465	432.83801	274.20990
	.43962	372.22534	.23303	.73811	.15938	.25444	.21078	.23927		
V 14	.75413	.22248	1.38912	1.99729	.68283	3.03763	.72397	.48818	.76365	.80580
	.48847	1.77221	372.22534	.00000	.00000	322.49902	31.10484	330.29797	225.77097	3855.56055

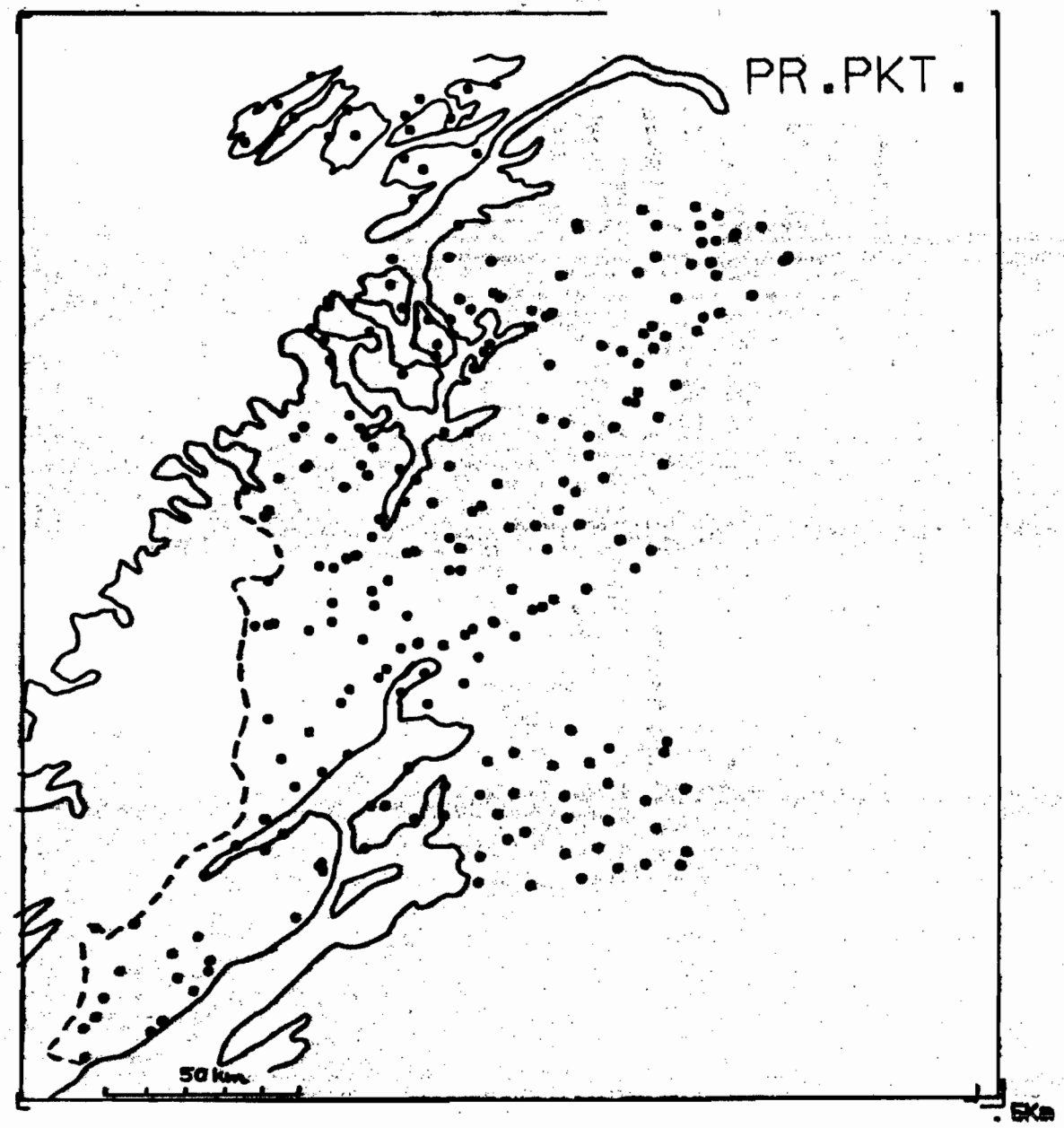
	.43921	.00000	.23295	.73805	.15903	.25414	.21066	.23891		
Mo 15	.75413	.22248	1.38912	1.99729	.68283	3.03763	.72397	.48818	.76365	.80580
	.48847	1.77221	372.22534	.00000	.00000	322.49902	31.10484	330.29797	225.77097	3855.56055
	.43921	.00000	.23295	.73805	.15903	.25414	.21066	.23891		
Cd 16	.79398	.46953	1.38906	1.99825	.68316	3.03980	.72427	.48843	.76335	.80674
	.48857	1.77448	586.00562	322.49902	322.49902	.00000	30.91638	737.75439	288.11359	398.90619
	.43933	322.49902	.23304	.73828	.15945	.25462	.21069	.23932		
Ba 17	.55619	.29371	1.42635	2.34691	.76016	2.61896	.65046	.35521	.72028	.68128
	.29498	1.36634	30.97027	31.10484	31.10484	30.91638	.00000	30.93816	30.74279	31.10694
	.33083	31.10484	.10390	.76495	.17947	.12945	.09396	.09632		
Be 18	.75409	.19361	1.38940	1.99907	.68329	3.03981	.72426	.48861	.76414	.80779
	.48905	1.77265	554.76465	330.29797	330.29797	737.75439	30.93816	.00000	481.41431	394.98920
	.43937	330.29797	.23306	.73837	.15887	.25451	.21080	.23896		
Sr 19	.80343	.51801	1.38953	1.99894	.68291	3.03925	.72418	.48838	.76373	.80834
	.48899	1.77415	432.83801	225.77097	225.77097	288.11359	30.74279	481.41431	.00000	452.93738
	.43925	225.77097	.23300	.73823	.15994	.25463	.21066	.23983		
Li 20	.80757	.61601	1.38955	1.99930	.68297	3.03778	.72403	.48853	.76386	.80859
	.48893	1.77390	274.20990	3855.56055	3855.56055	398.90619	31.10694	394.98920	452.93738	.00000
	.43928	3855.56055	.23300	.73844	.16029	.25445	.21081	.23994		
K 21	-1.46740	.68645	11.45568	-.79080	.81119	.25143	15.11872	54.68281	8.57890	7.05915
	-.75535	-1.20185	.43962	.43921	.43921	.43933	.33083	.43937	.43925	.43928
	.00000	.43921	8.91492	2.43843	7.29710	5.19862	1.27316	21.95364		
F^- 22	.75413	.22248	1.38912	1.99729	.68283	3.03763	.72397	.48818	.76365	.80580
	.48847	1.77221	372.22534	.00000	.00000	322.49902	31.10484	330.29797	225.77097	3855.56055
	.43921	.00000	.23295	.73805	.15903	.25414	.21066	.23891		
Cl^- 23	-.34379	-2.94805	15.73026	-.98397	1.77393	1.43441	24.94386	12.34397	13.29469	12.65866
	-.48050	-.27809	.23303	.23295	.23295	.23304	.10390	.23306	.23300	.23300
	8.91492	.23295	.00000	2.51029	12.52648	8.73173	2.38838	17.24931		
Br^- 24	-.50623	1.22225	2.54653	.54467	.31292	-.25831	3.00345	2.51462	2.43364	2.00334
	.00191	1.83846	.73811	.73805	.73805	.73828	.76495	.73837	.73823	.73844
	2.43843	.73805	2.51029	.00000	2.40123	4.54143	.39398	3.43277		
NO_3^- 25	-2.27168	2.06220	11.33995	2.71691	3.69316	1.60580	24.82172	6.83208	102.59096	10.22234
	-.66538	1.02581	.15938	.15903	.15903	.15945	.17947	.15887	.15994	.16029
	7.29710	.15903	12.52648	2.40123	.00000	10.00505	.47272	13.80598		
SO_4^{--} 26	-1.87746	-.67582	7.04103	.37210	1.71691	.61228	10.92151	5.58195	10.50919	5.69147
	-.30912	.90294	.25444	.25414	.25414	.25462	.12945	.25451	.25463	.25445
	5.19862	.25414	8.73173	4.54143	10.00505	.00000	1.22499	8.85009		
pH 27	.53585	-2.65626	1.90258	-1.54048	-.14542	-.53033	1.80543	1.78522	.57401	.42935
	-.65553	-1.21079	.21078	.21066	.21066	.21069	.09396	.21080	.21066	.21081
	1.27316	.21066	2.38838	.39398	.47272	1.22499	.00000	1.72454		
H 28	-1.71857	.54668	18.52670	-.26359	1.61557	.40704	29.96689	23.76978	15.18670	7.82107
	-.81739	-.79277	.23927	.23891	.23891	.23932	.09632	.23896	.23983	.23994
	21.95364	.23891	17.24931	3.43277	13.80598	8.85009	1.72454	.00000		

DEGREES OF FREEDOM FOR T-TEST = 241

Fig. 2.1 - 2.19 Prøvepunktkart og symbolkart med frekvensfordelingskurver over Si, Al, Fe, Ti, Mg, Ca, Na, Mn, Cu, Zn, Sr, K, F^-, Cl^-, Br^-, NO_3^-, SO_4^{--}, pH og H.

NORD-TRONDELAG

BEKKEVANN



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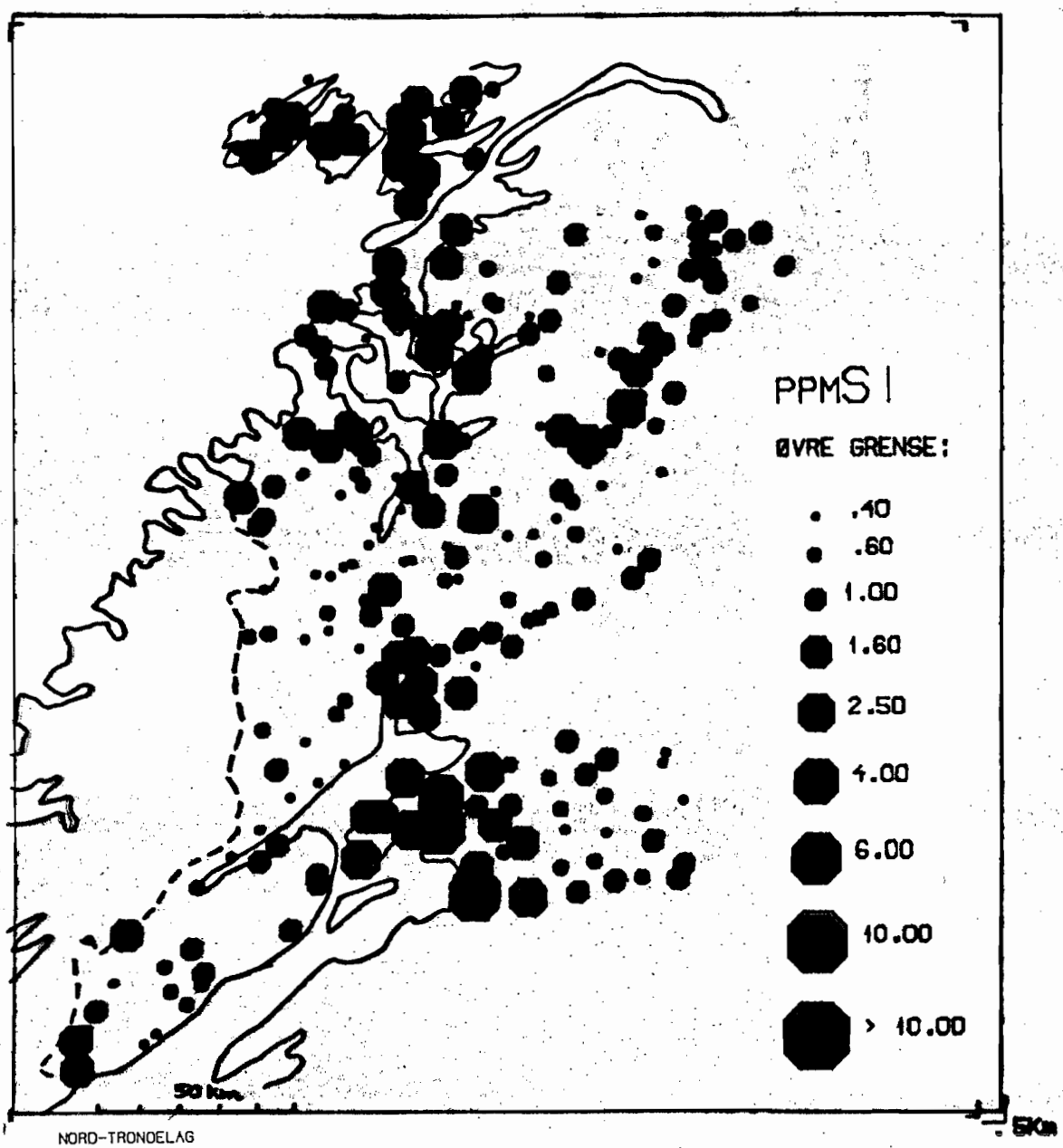

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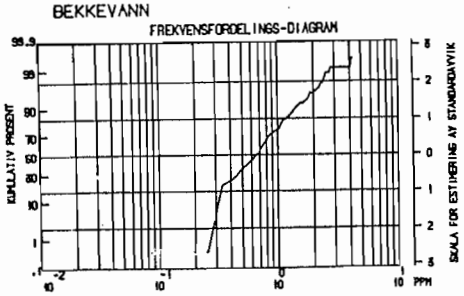


PPMS I

N= 242

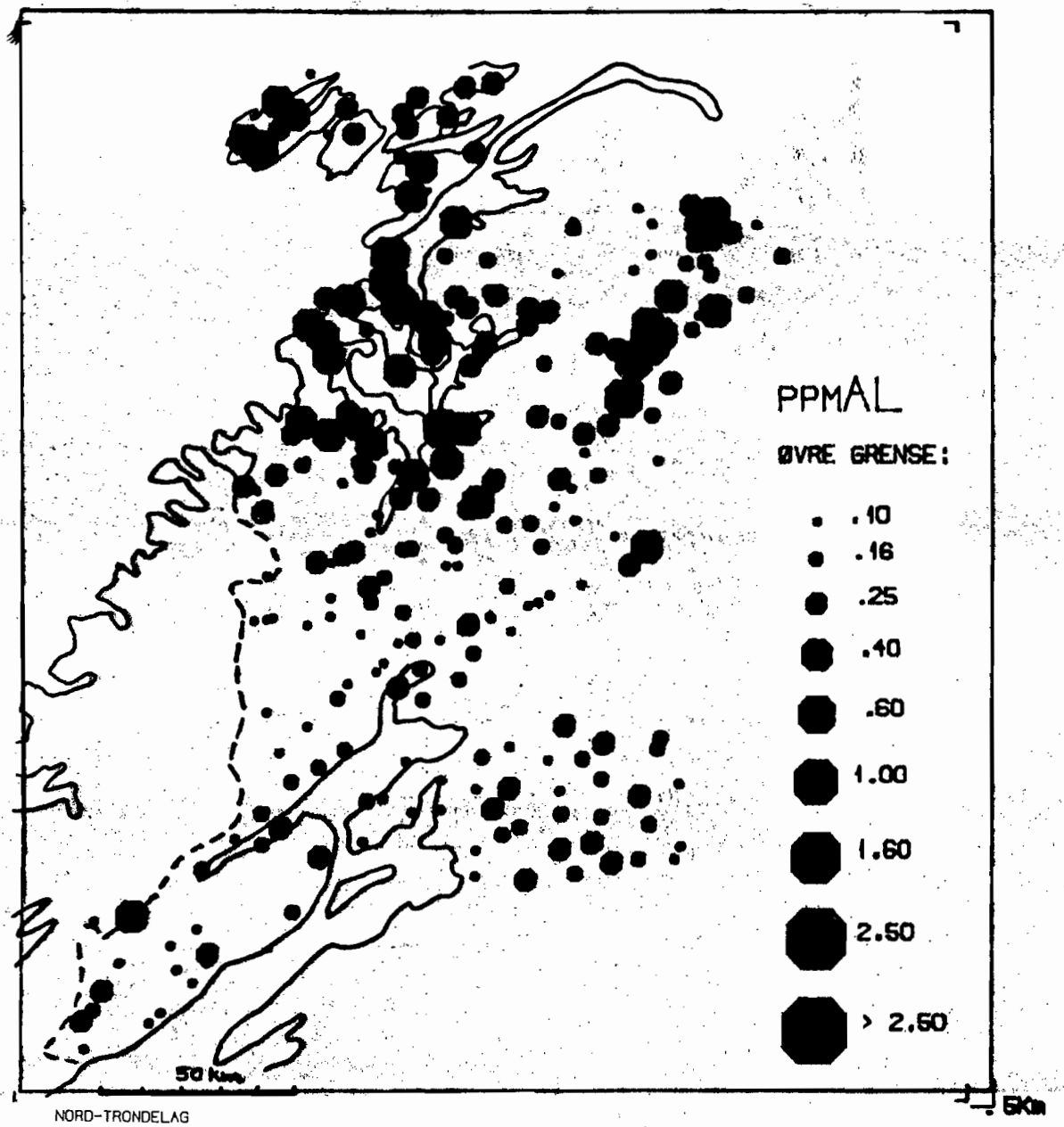
MIN= .30

MAX= 4.23

$\bar{X}$ = .79

NORD-TRONDELAG

BEKKEVANN



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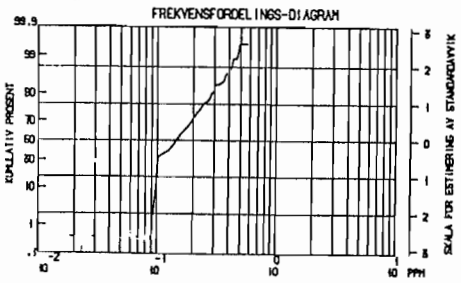


PPMAL

N= 242

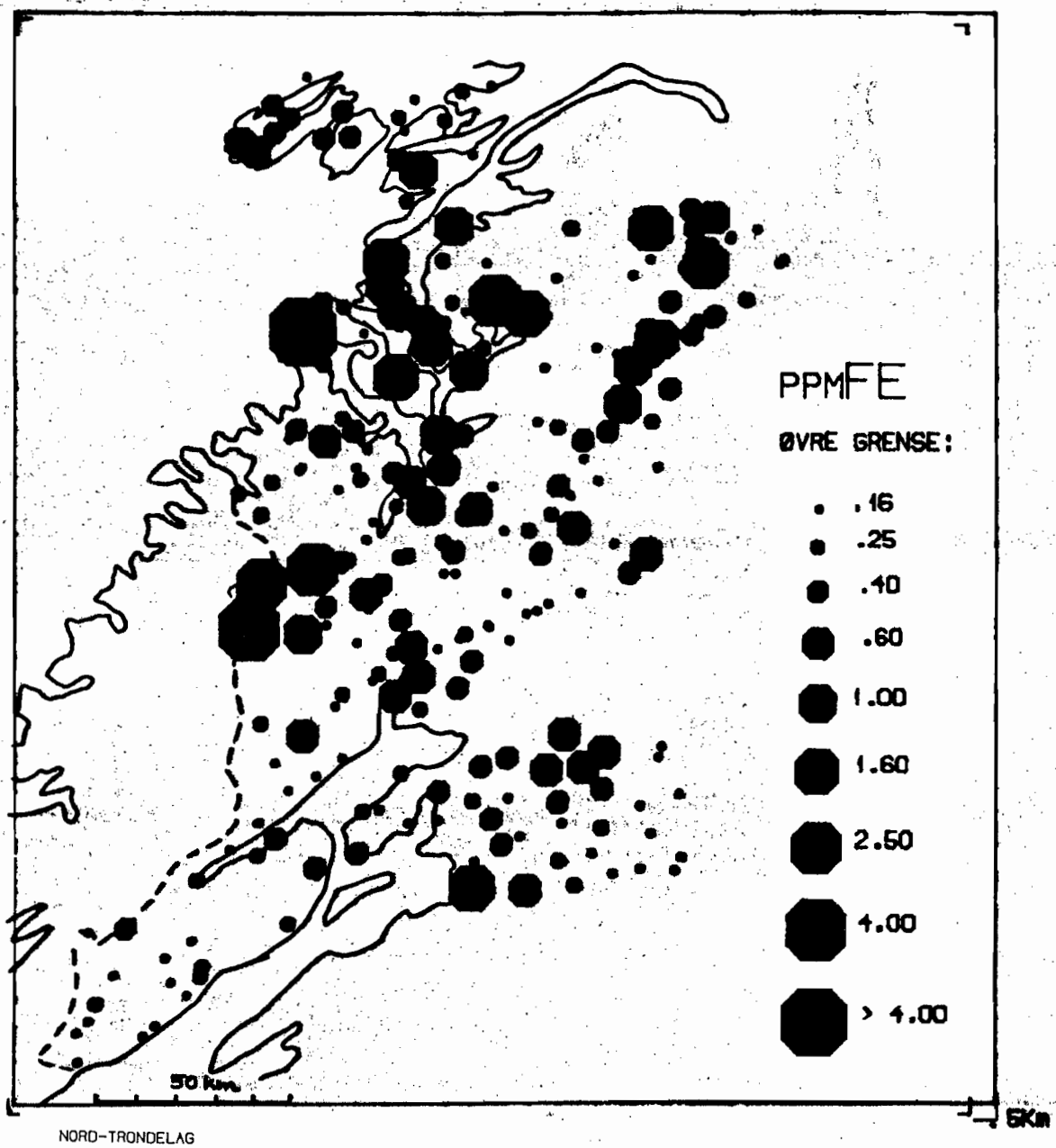
MIN= .10

MAX= .56

$\bar{X}$ = .17

NORD-TRONDELAG

BEKKEVANN



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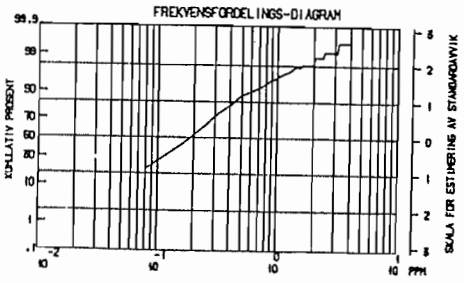


PPMFE

N= 212

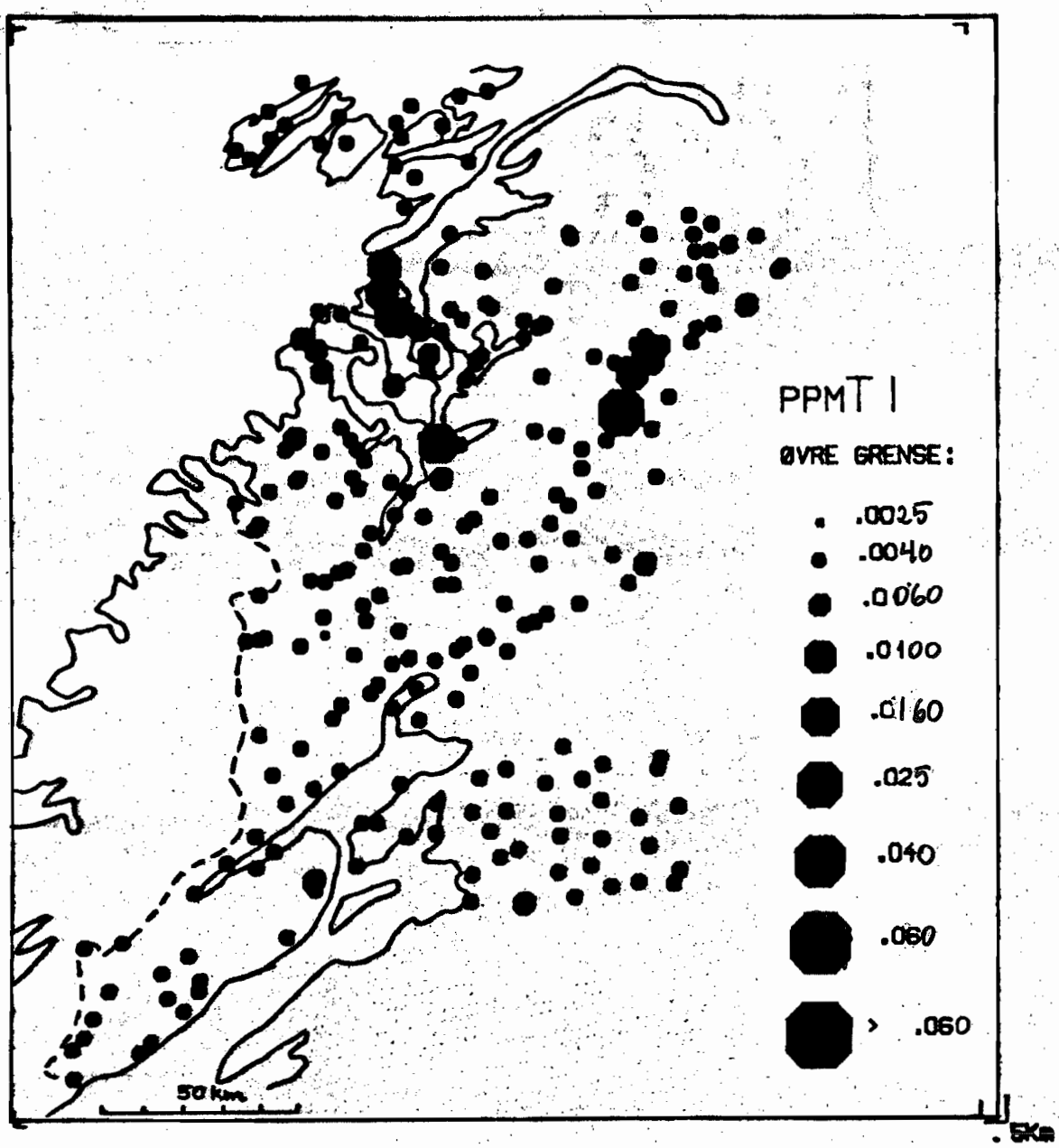
MIN= .01

MAX= 4.06

$\bar{X}$ = .30

NORD-TRONDELAG

BEKKEVANN



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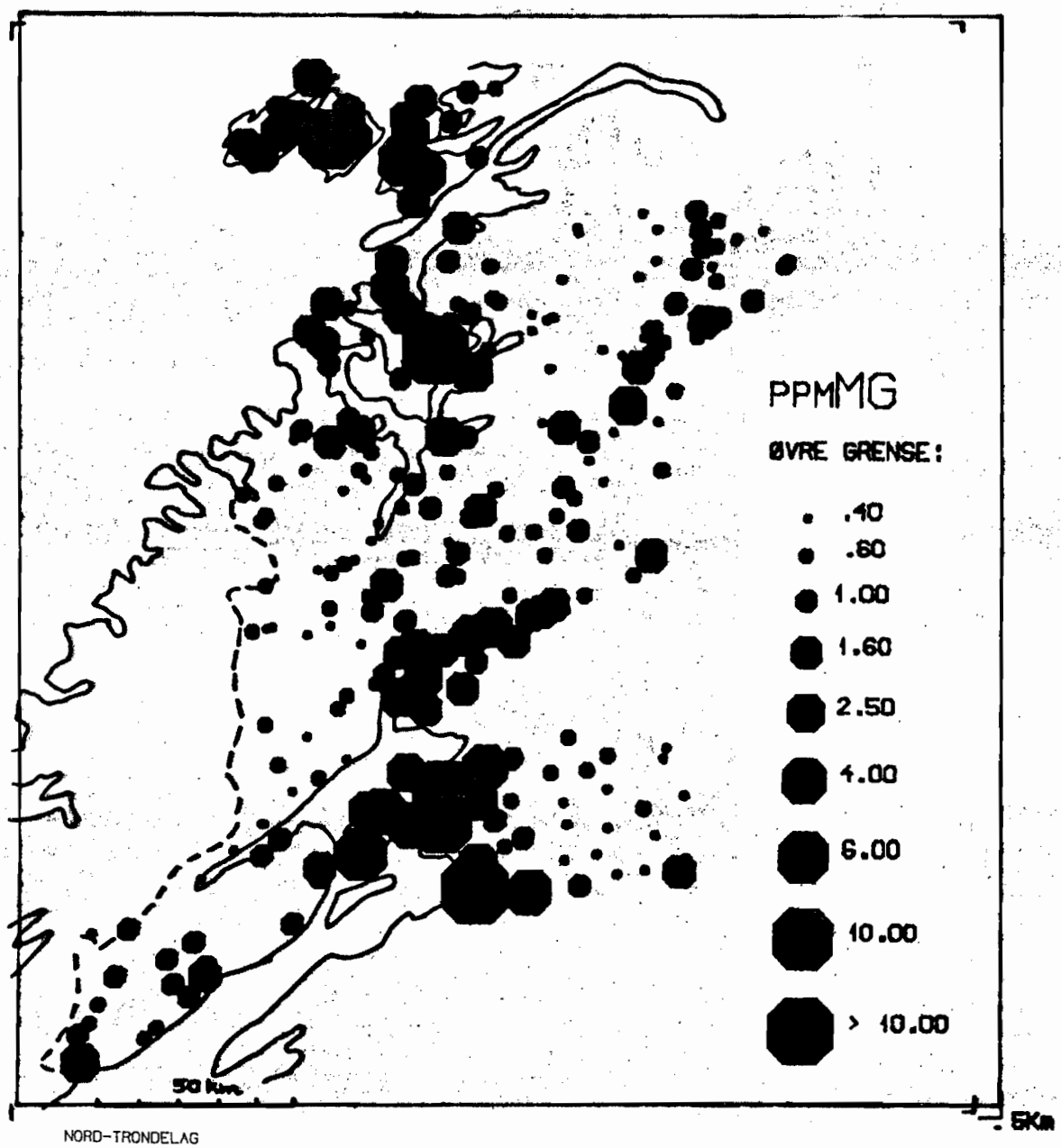

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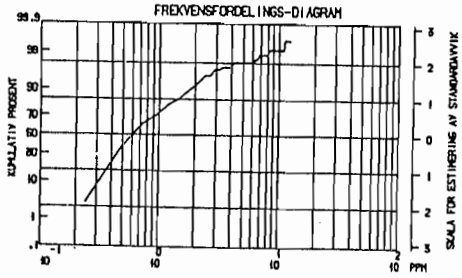


PPMMG

N= 242

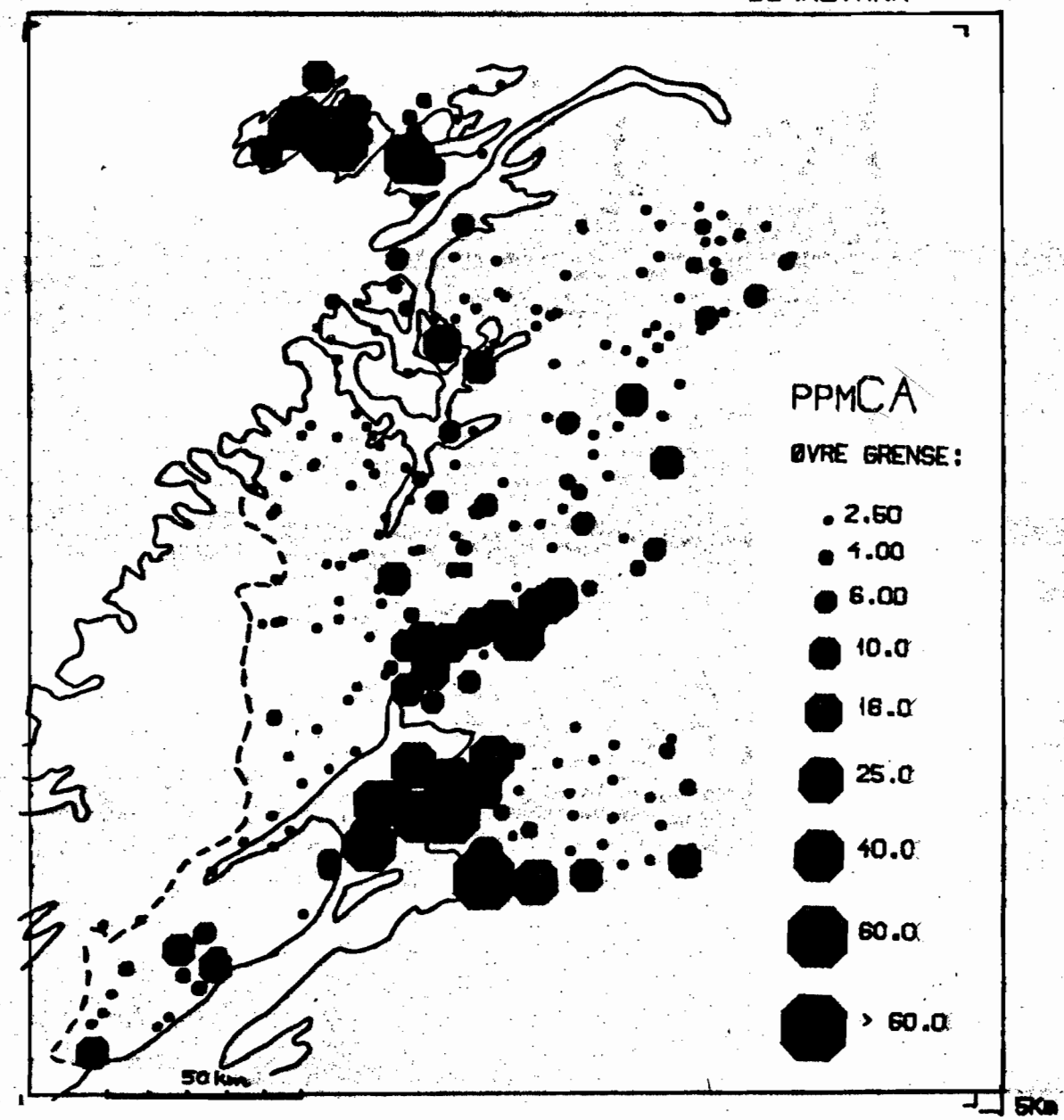
MIN= .164

MAX= 12.1

$\bar{X}$ = .98

NORD-TRONDELAG

BEKKEVANN



NORD-TRONDELAG

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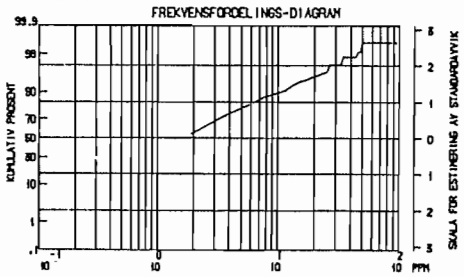


PPMCA

N= 242

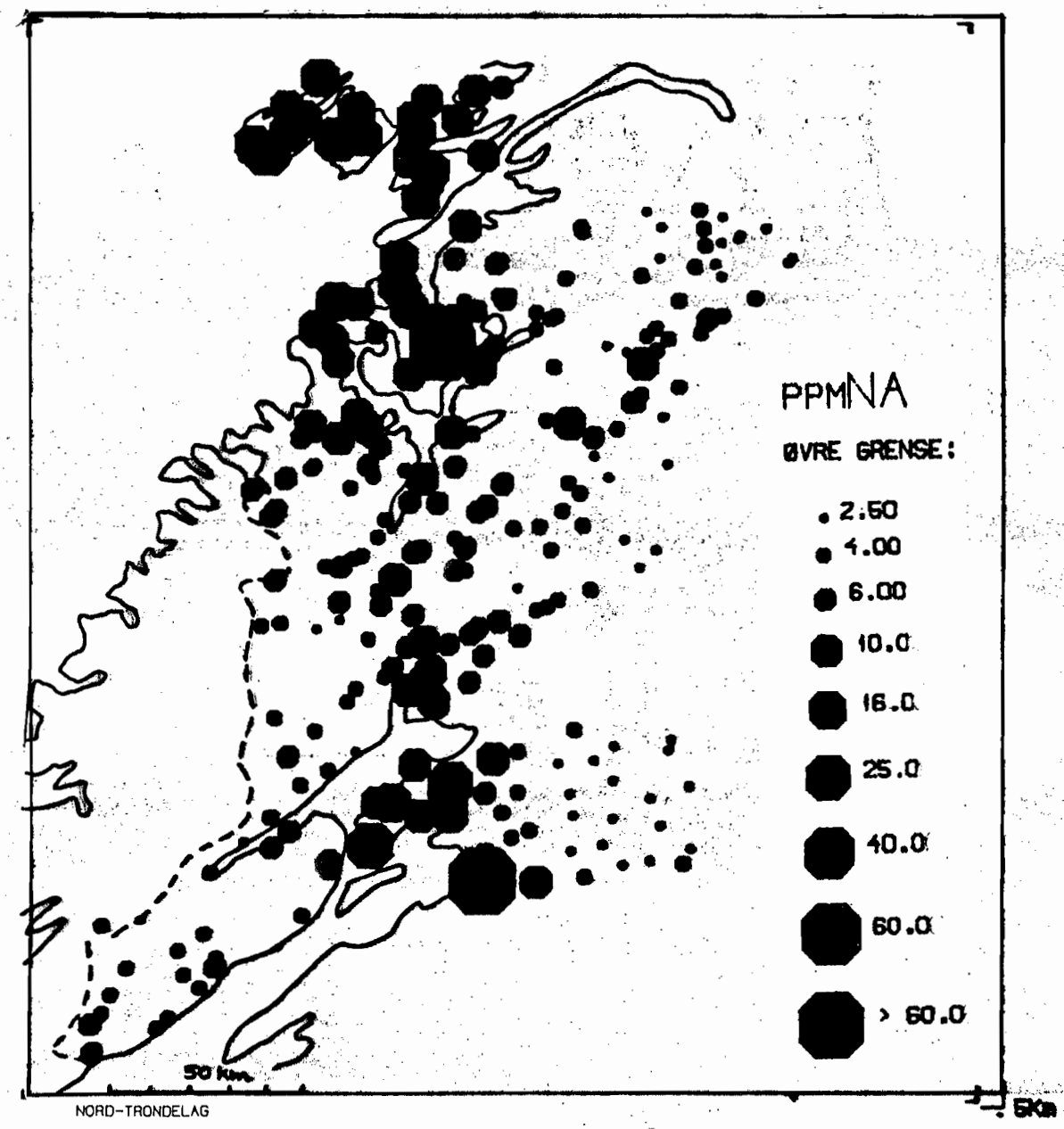
MIN= .135

MAX= 95.4

$\bar{X}$ = 4.35

NORD-TRONDELAG

BEKKEVANN



NORD-TRONDELAG

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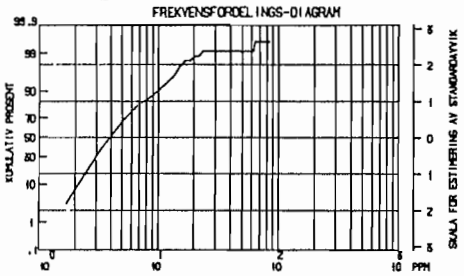


PPMNA

N= 242

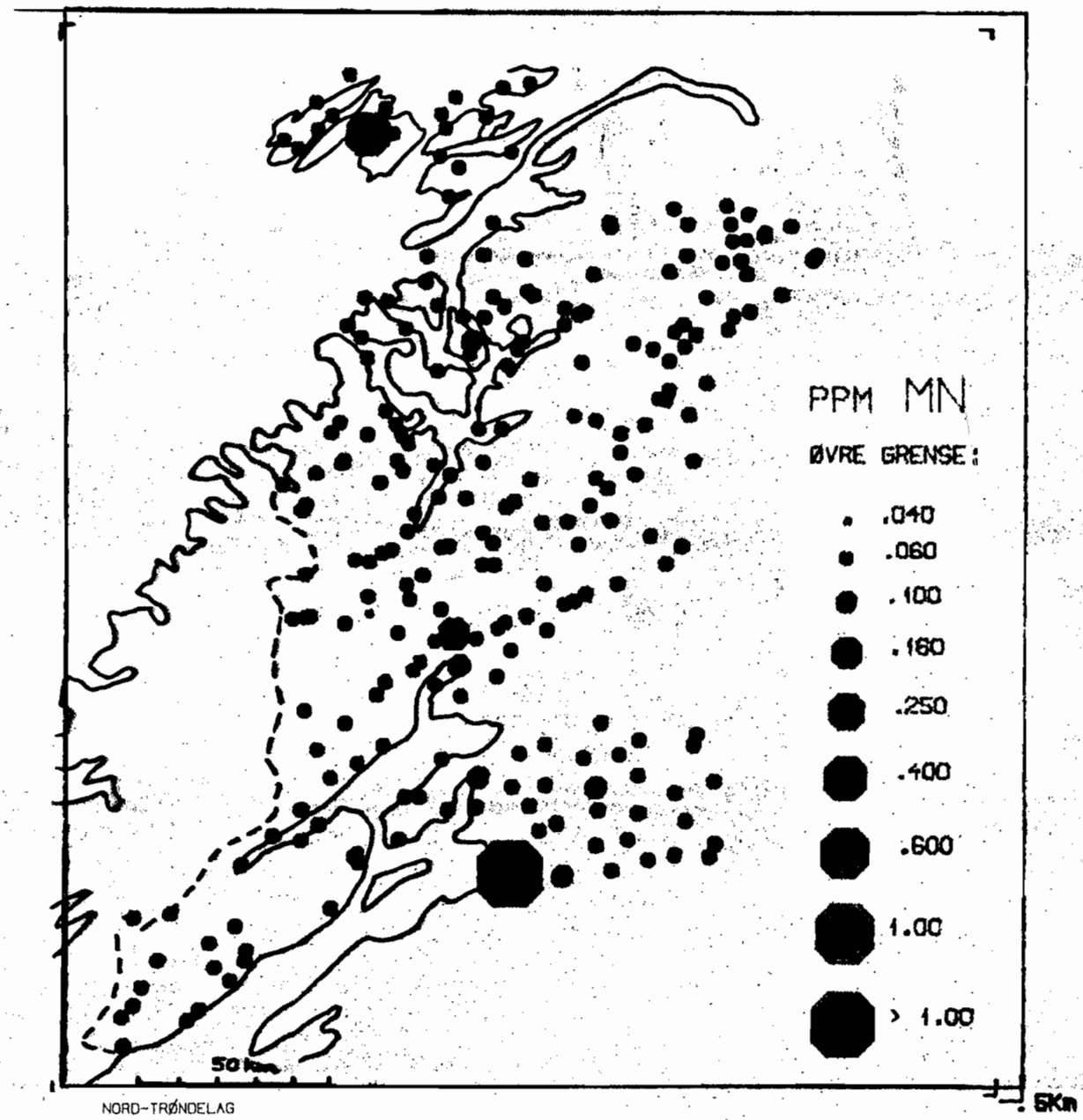
MIN= 1.20

MAX= 84.4

$\bar{X}$ = 5.48

NORD-TRØNDELAG

BEKKEVANN



NORD-TRØNDELAG

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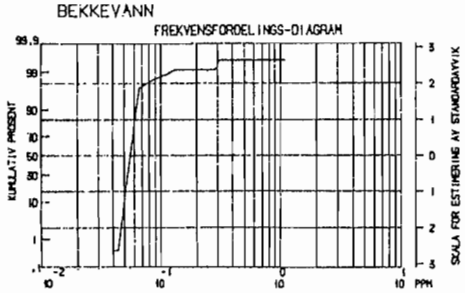


PPM MN

N= 242

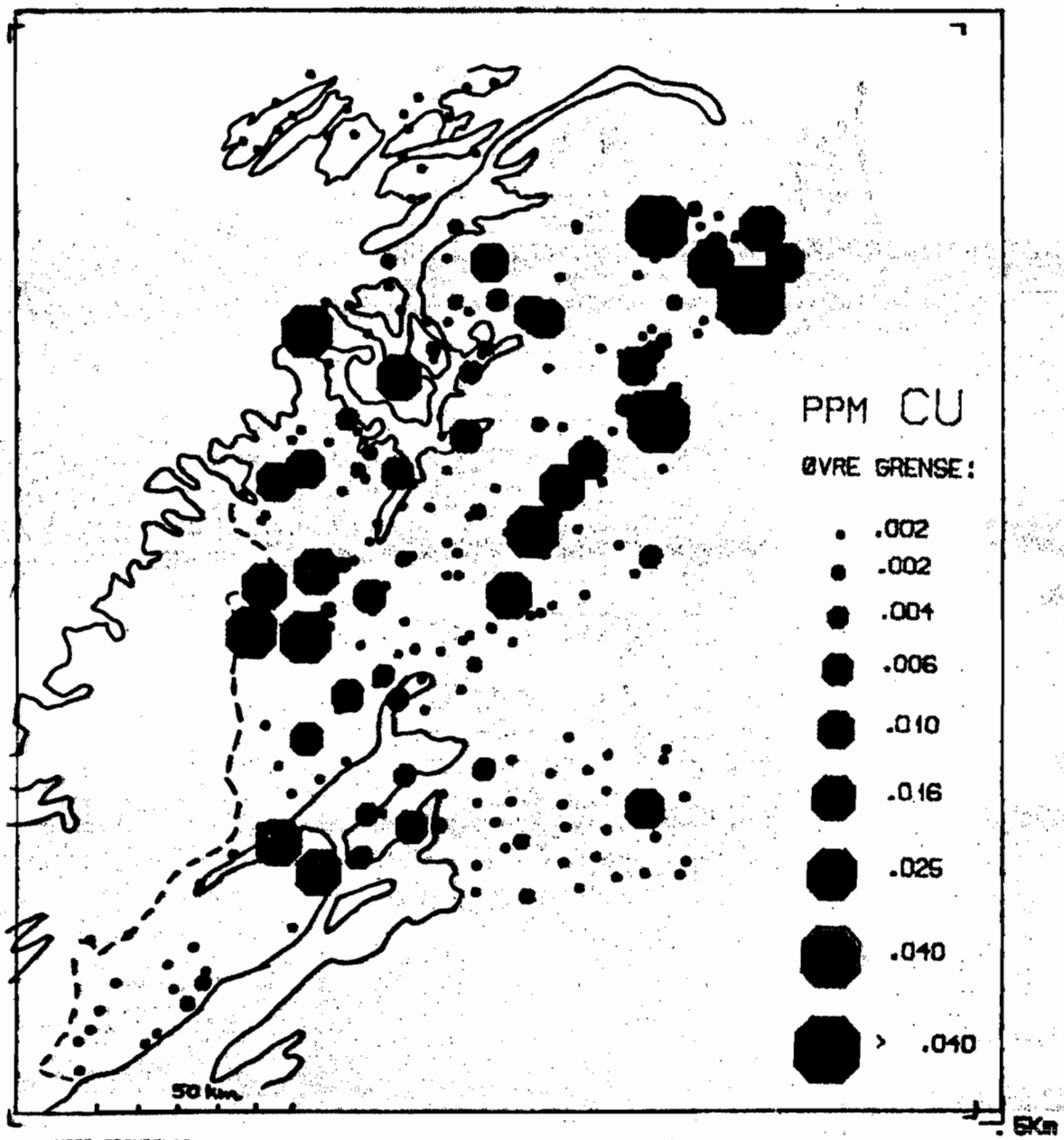
MIN= .050

MAX= 1.100

$\bar{X}$ = .056

NORD-TRONDELAG

BEKKEVANN



NORD-TRONDELAG

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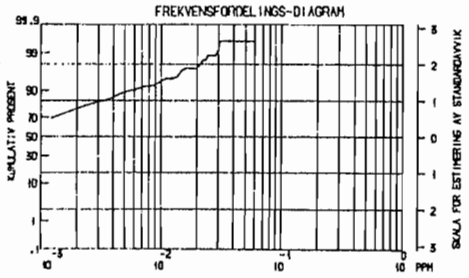


PPM CU

N= 212

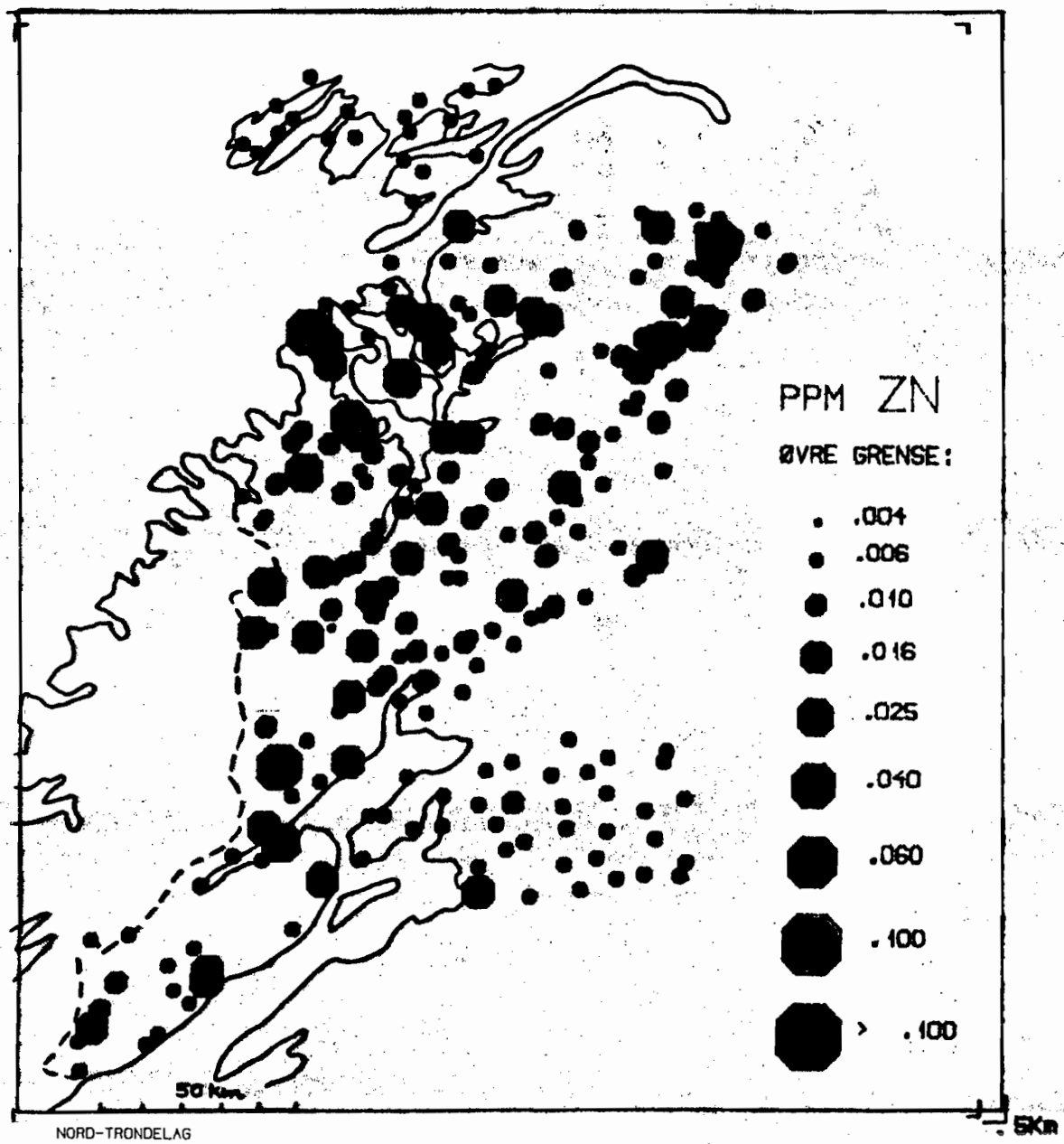
MIN= .001

MAX= .061

$\bar{X}$ = .003

NORD-TRONDELAG

BEKKEVANN



NORD-TRONDELAG

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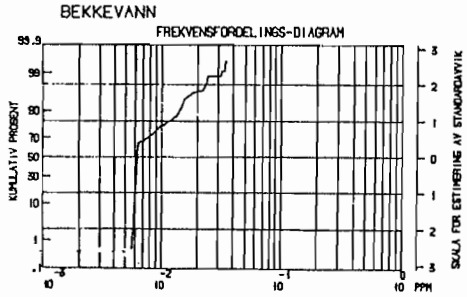


PPM ZN

N= 212

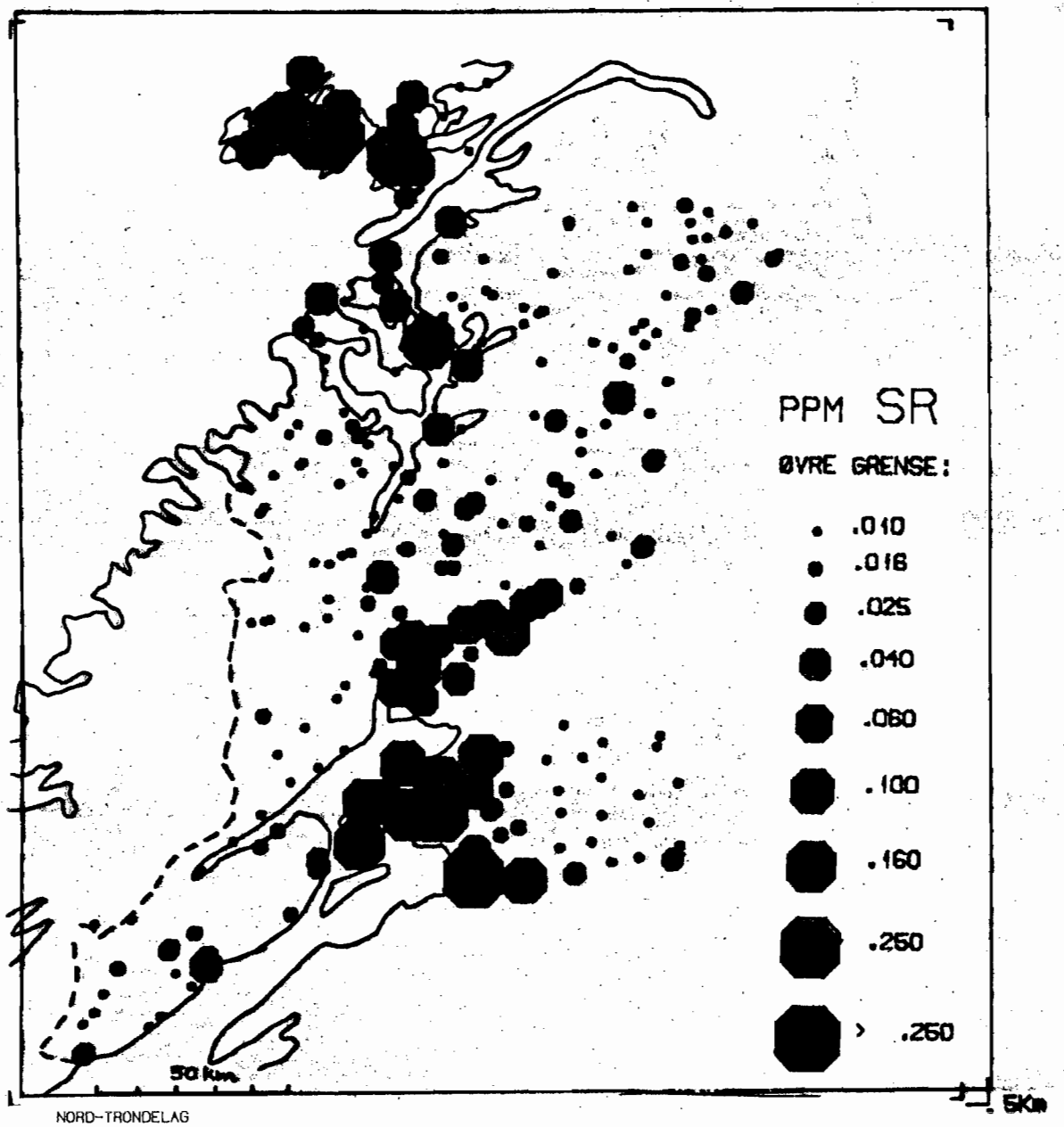
MIN= .006

MAX= .055

$\bar{X}$ = .008

NORD-TRONDELAG

BEKKEVANN



NORD-TRONDELAG

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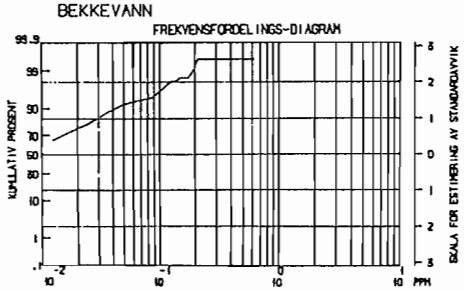


PPM SR

N= 242

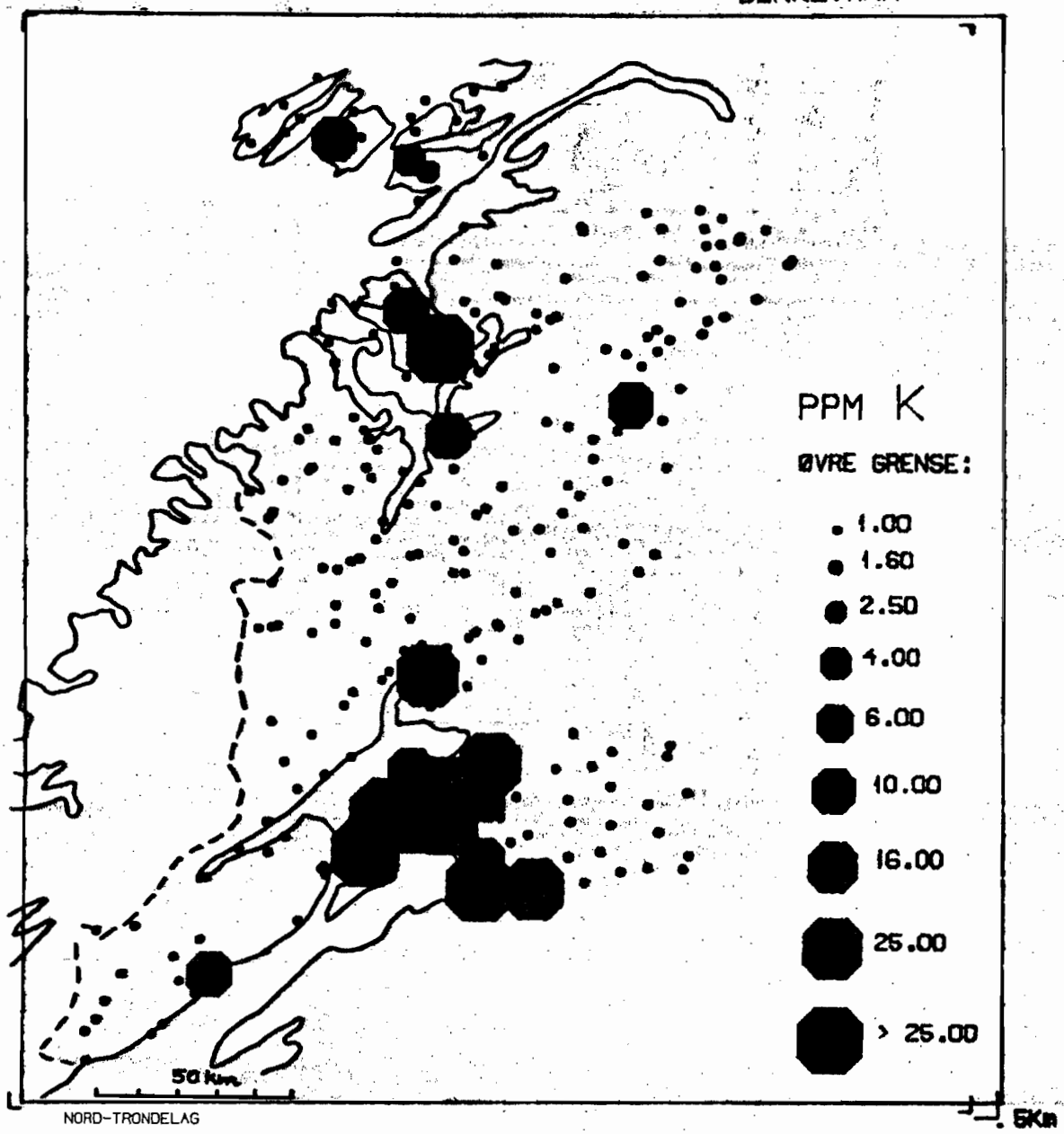
MIN= .031

MAX= .619

$\bar{X}$ = .021

NORD-TRONDELAG

BEKKEVANN



NORD-TRONDELAG

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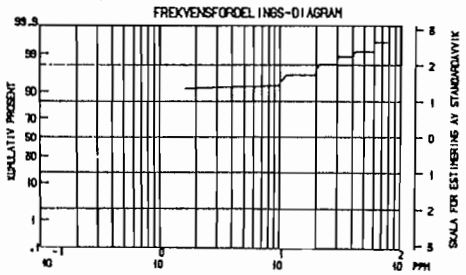


PPM K

N= 242

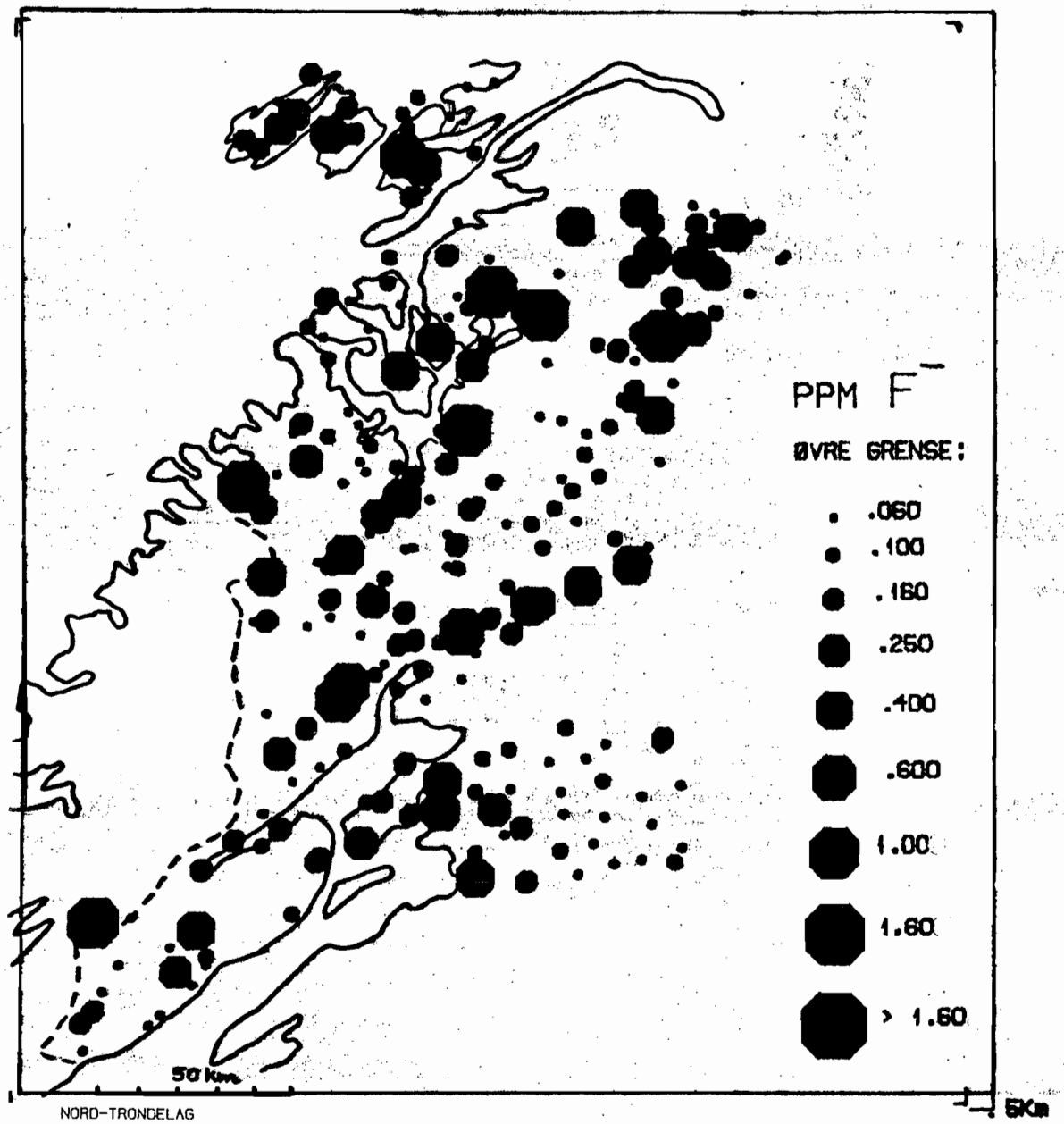
MIN= .50

MAX= 80.00

$\bar{X}$ = 1.86

NORD-TRONDELAG

BEKKEVANN



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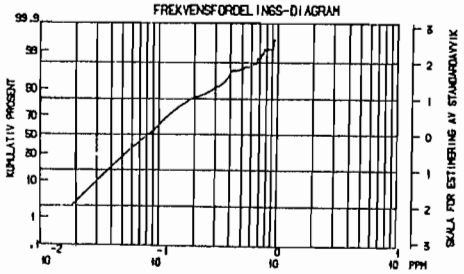


PPM F^-

N= 242

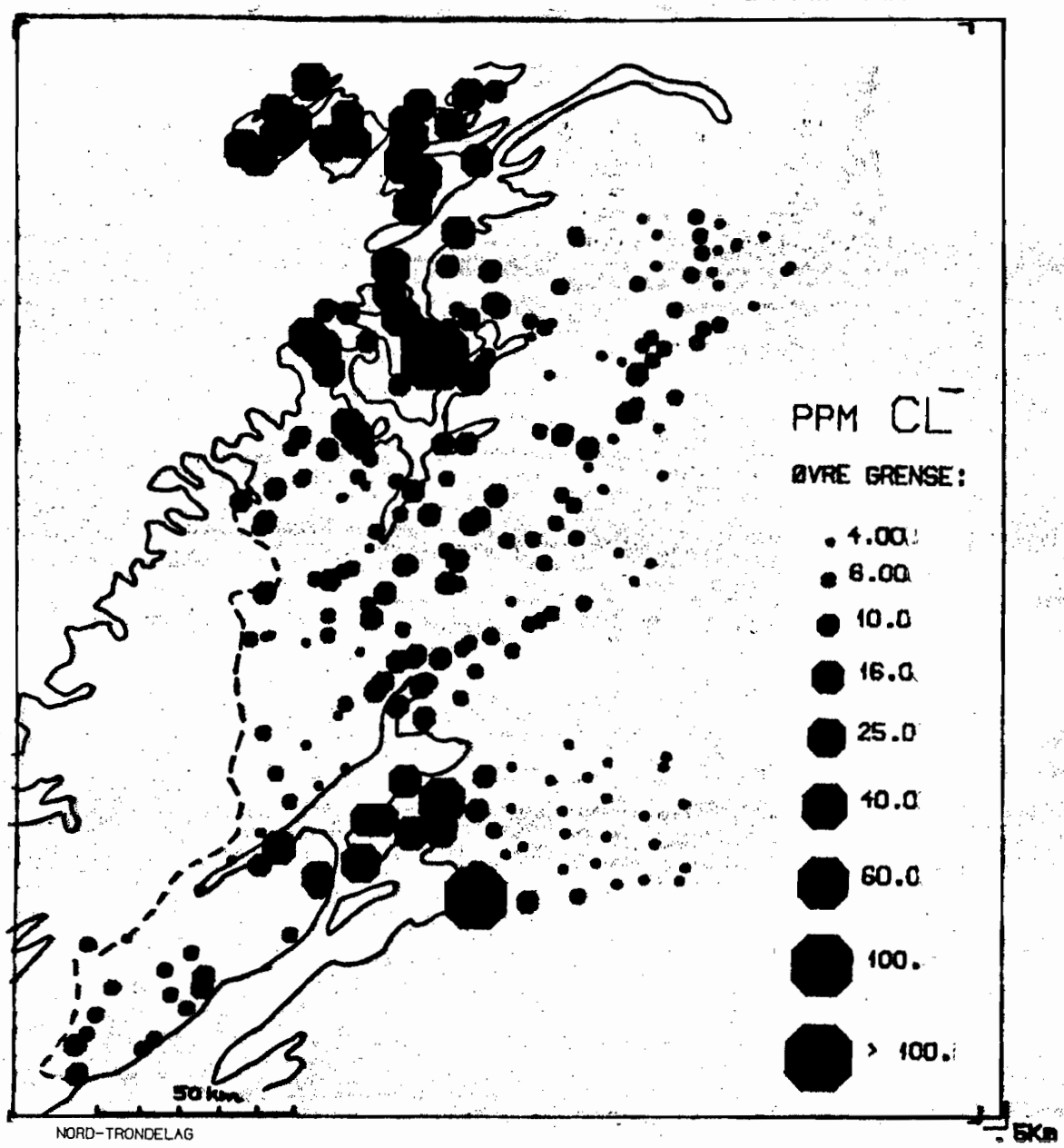
MIN= .010

MAX= .940

$\bar{X}$ = .126

NORD-TRONDELAG

BEKKEVANN



NORD-TRONDELAG

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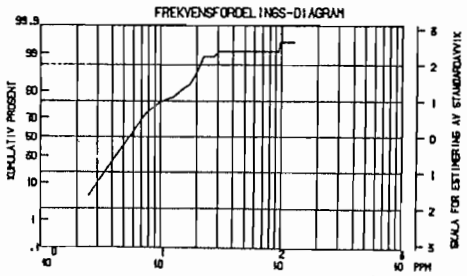


PPM Cl^-

N= 242

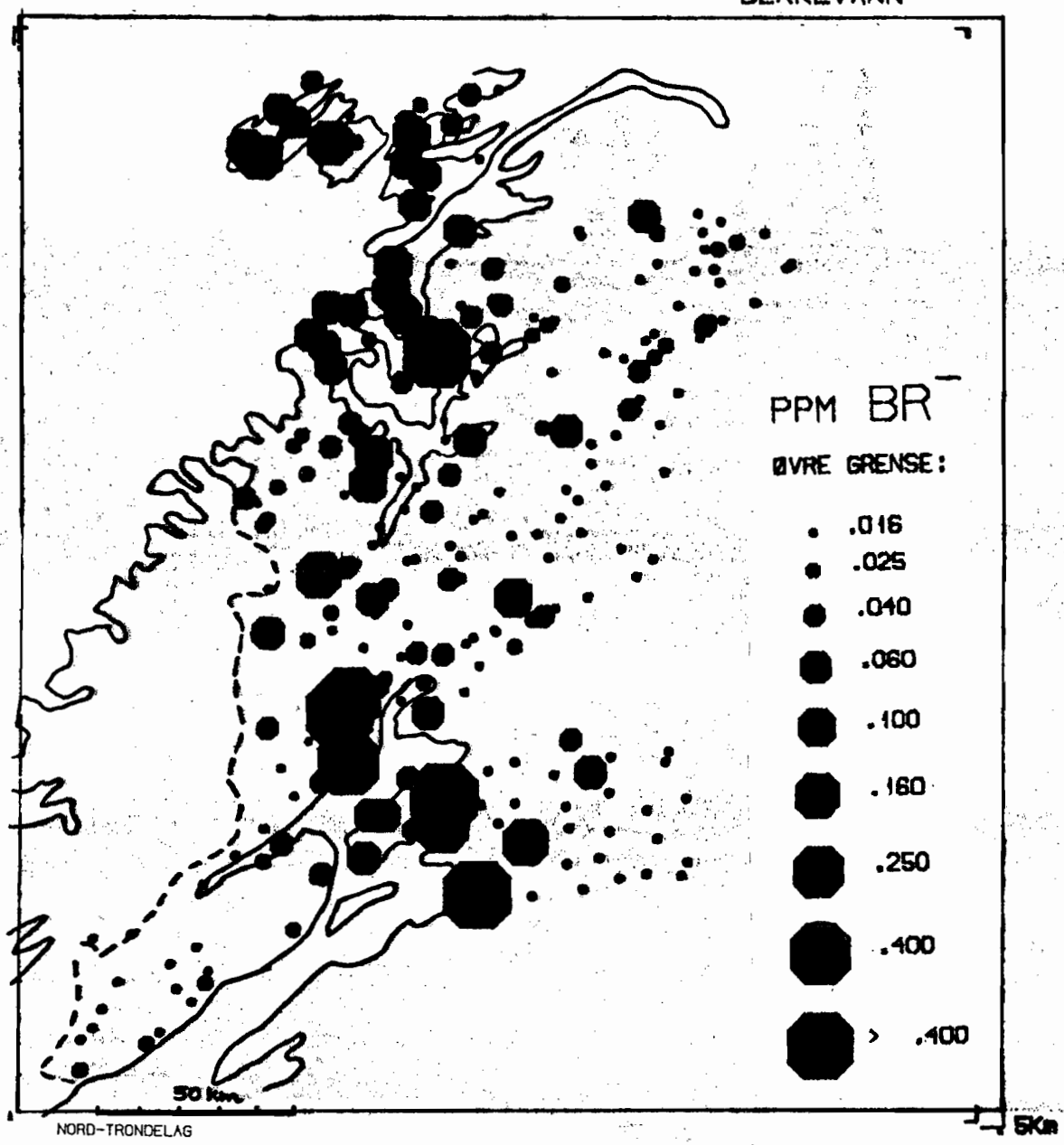
MIN= 1.80

MAX= 127.

$\bar{X}$ = 7.704

NORD-TRONDELAG

BEKKEVANN



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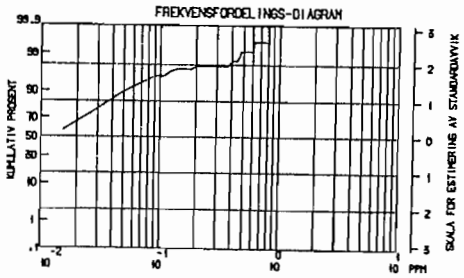


PPM BR^-

N= 193

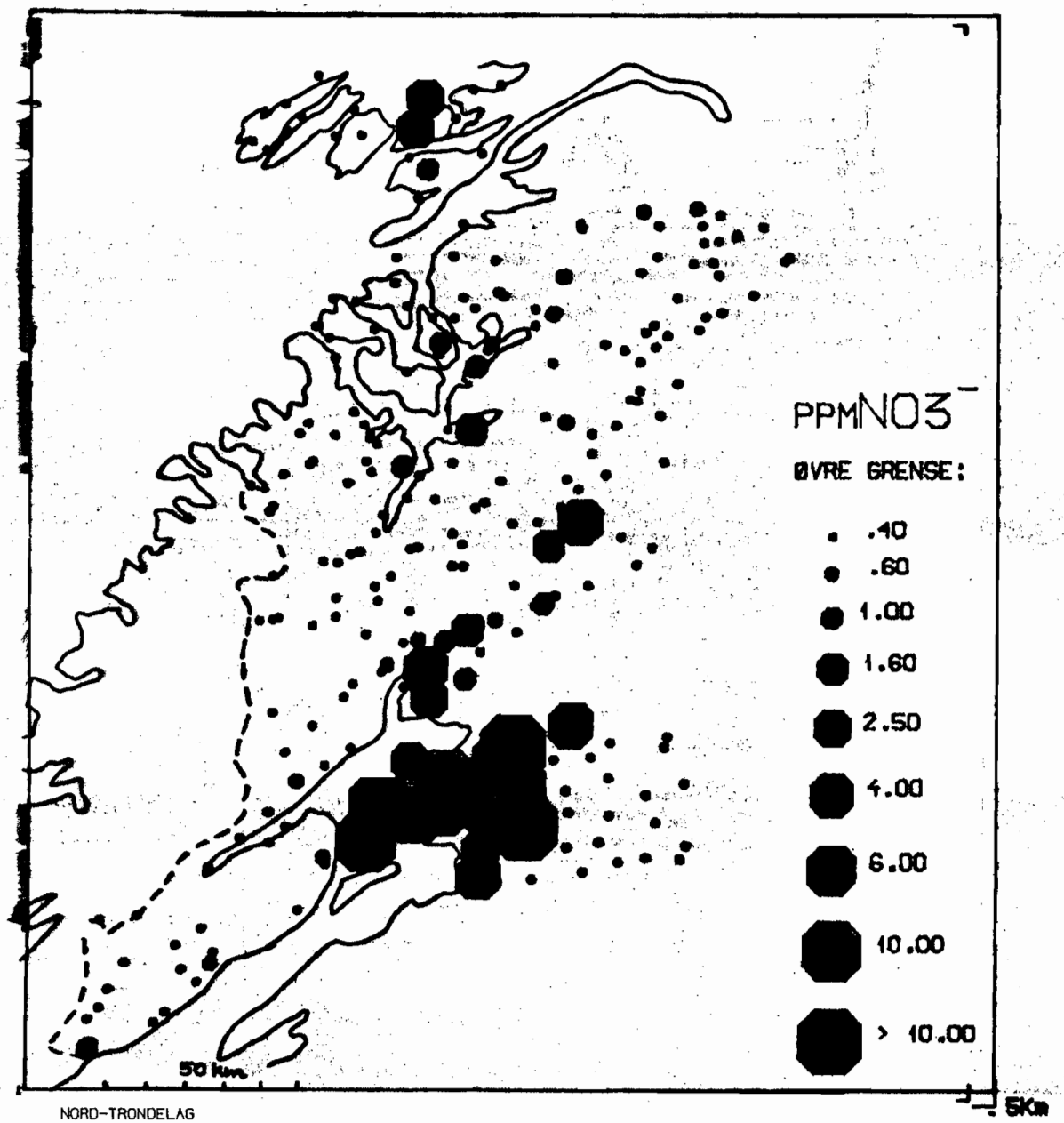
MIN= .003

MAX= .765

$\bar{X}$ = .053

NORD-TRONDELAG

BEKKEVANN



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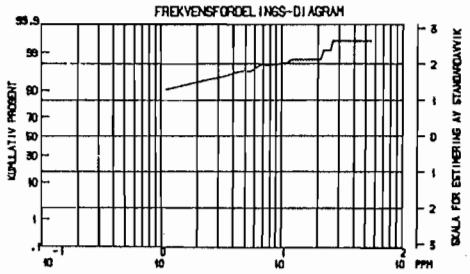


PPMNO3⁻

N= 173

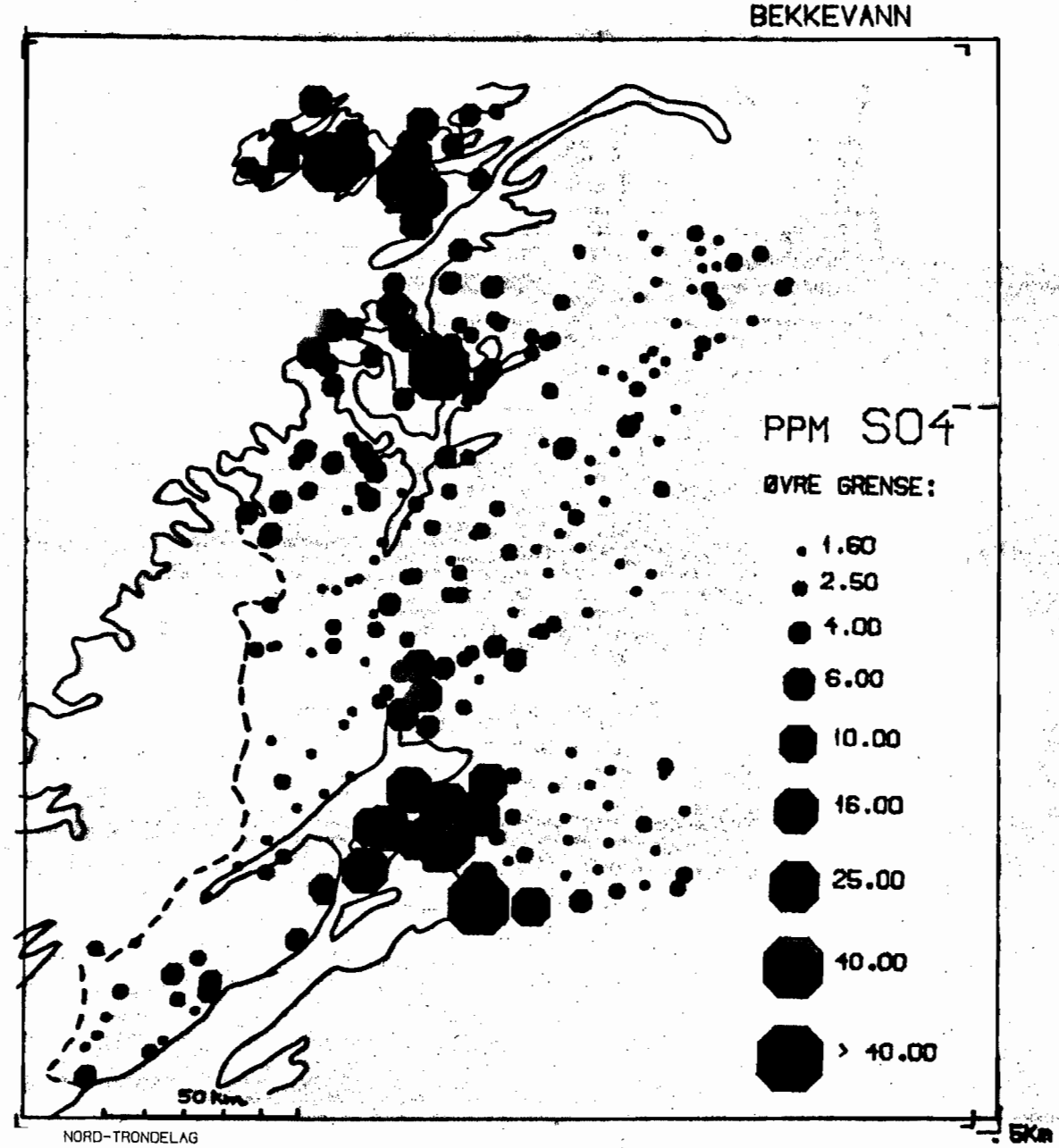
MIN= .01

MAX= 55.00

X̄ = .94

NORD-TRONDELAG

BEKKEVANN



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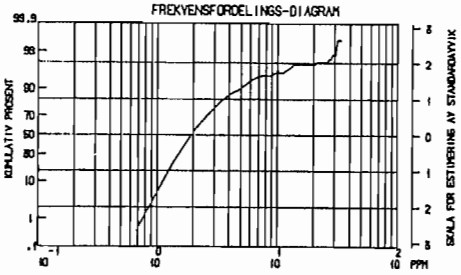


PPM SO4--

N= 242

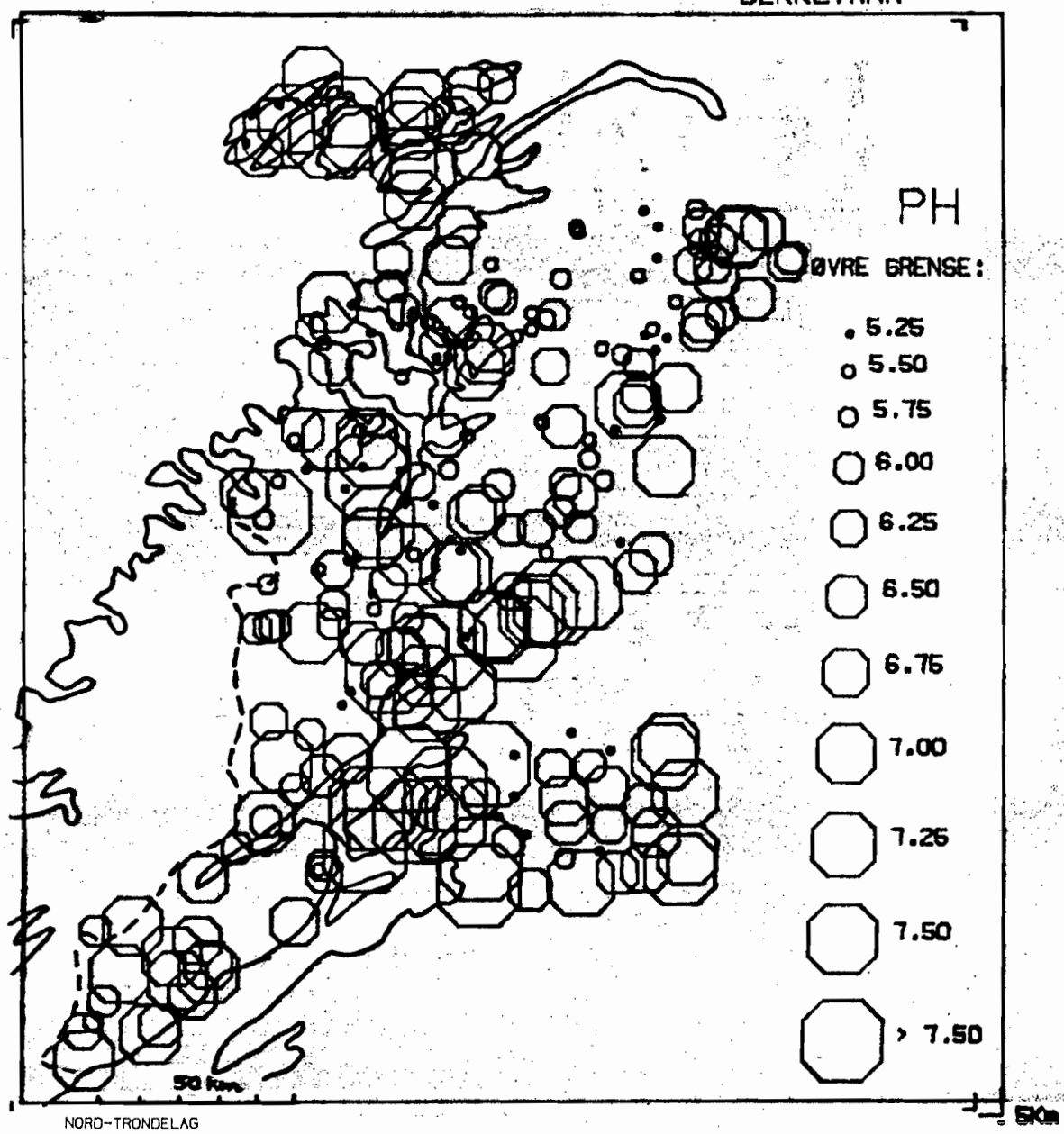
MIN= .90

MAX= 34.00

$\bar{X}$ = 3.08

NORD-TRONDELAG

BEKKEVANN



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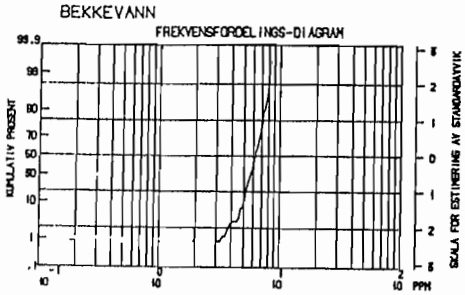


PH

N= 241

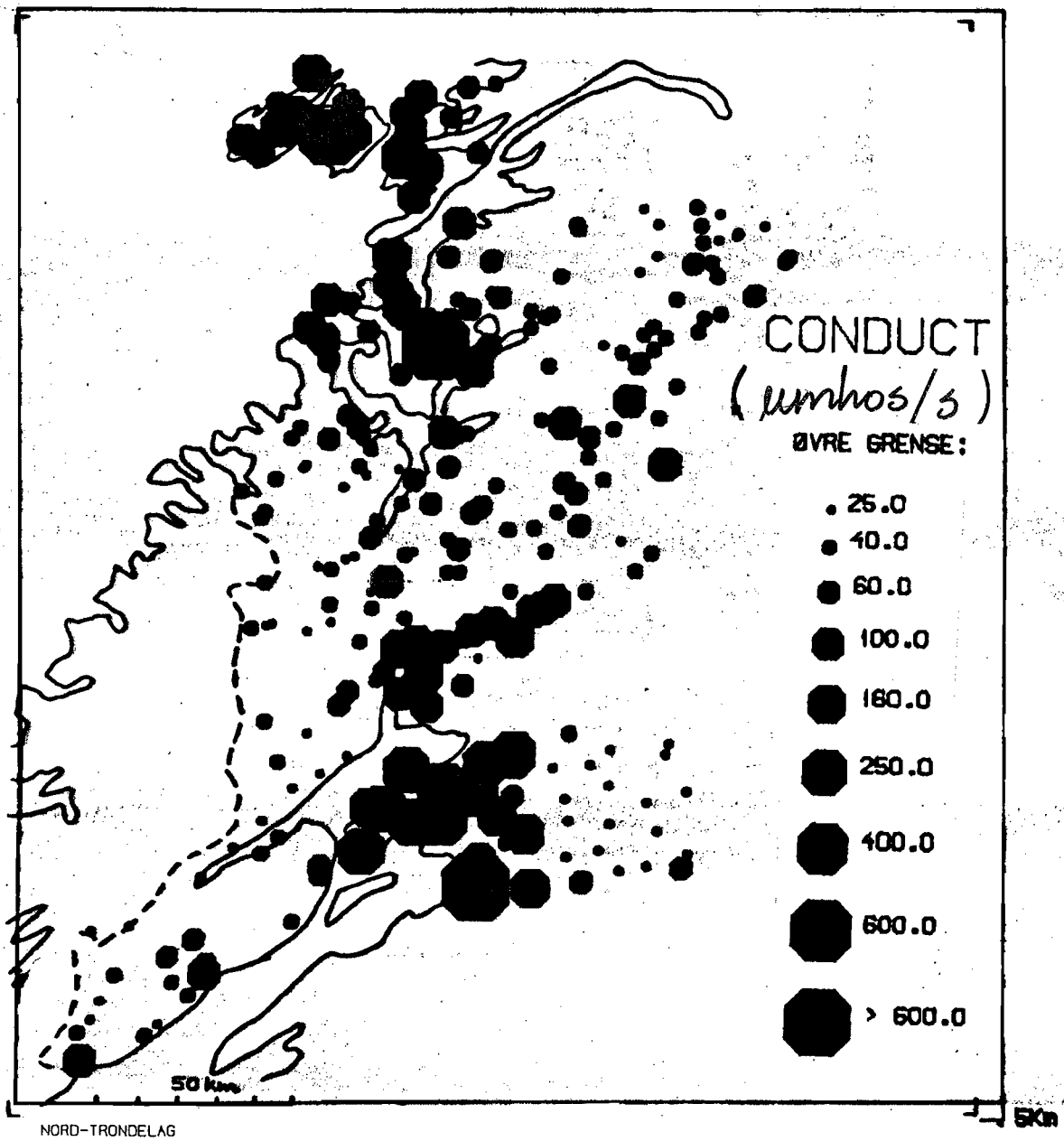
MIN= 3.20

MAX= 8.40

$\bar{X}$ = 6.12

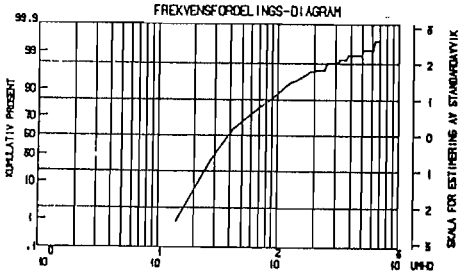
NORD-TRONDELAG

BEKKEVANN



NORD-TRONDELAG

BEKKEVANN



CONDUCT (µmhos/sec)

N= 241

MIN= 17.0

MAX= 700.0

$\bar{X}$ = 60.3