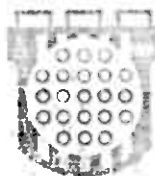


21 DES 1977

INSTITUTT FOR ATOMENERGI

Materialavdelingen / Kjemisk



Folldal Verk A/S
Attn.: Prospekteringssjef J.G. Heim
Sandakerveien 56
OSLO 4

DERES REF.

VÅR REF. AF/EBJ

2007 KJELLER, 16. desember 1977

SLUTTRAPPORT ANALYSERAPPORT

Vedrørende: Kvantometrisk bestemmelse av Cu, Pb og Zn og røntgenfluorescens-
bestemmelse av W i 120 bergartsprøver. L.nr. 57022/141

Wolfram er bestemt med $\pm 15\%$ relativ feil.

Prøver fra Østfold

Mingedistrikt

A. Follo
Avdelingsingeniør

R. Hurlen
Ingeniør

Vedlegg

Prøve mrk.	L.nr.	ppm Cu	ppm Pb	ppm Zn	ppm W
5000	57022	380	500	2800	~10
5001	57023	80	75	540	<10
5002	57024	40	10	180	~10
5003	57025	<10	10	110	20
5004	57026	140	20	200	25
5005	57027	40	10	180	<10
5006	57028	20	10	100	~10
5007	57029	<10	10	120	221 205*
5008	57030	<10	<10	80	<10
5009	57031	<10	<10	100	20
5010	57032	<10	10	150	<10
5011	57033	<10	<10	70	<10
5012	57034	25	15	100	<10
5013	57035	55	25	130	50
5014	57036	50	30	100	<10
5015	57037	<10	<10	35	23
5016	57038	<10	<10	40	16
5017	57039	<10	<10	110	23
5018	57040	10	10	80	15
5019	57041	<10	20	110	~10
5020	57042	<10	10	60	~10
5021	57043	20	40	170	<10
5022	57044	<10	<10	20	~10 <10 ^x
5023	57045	<10	<10	85	<10
5024	57046	<10	<10	75	20
5025	57047	<10	<10	70	12
5026	57048	25	<10	65	<10
5027	57049	15	15	70	<10
5028	57050	<10	20	70	<10
5029	57051	<10	<10	65	15
5030	57052	30	<10	85	12
5031	57053	25	10	110	12
5032	57054	25	55	290	15
5033	57055	12	<10	75	22
5034	57056	70	24	155	<10
5035	57057	30	27	130	<10 <10 ^x

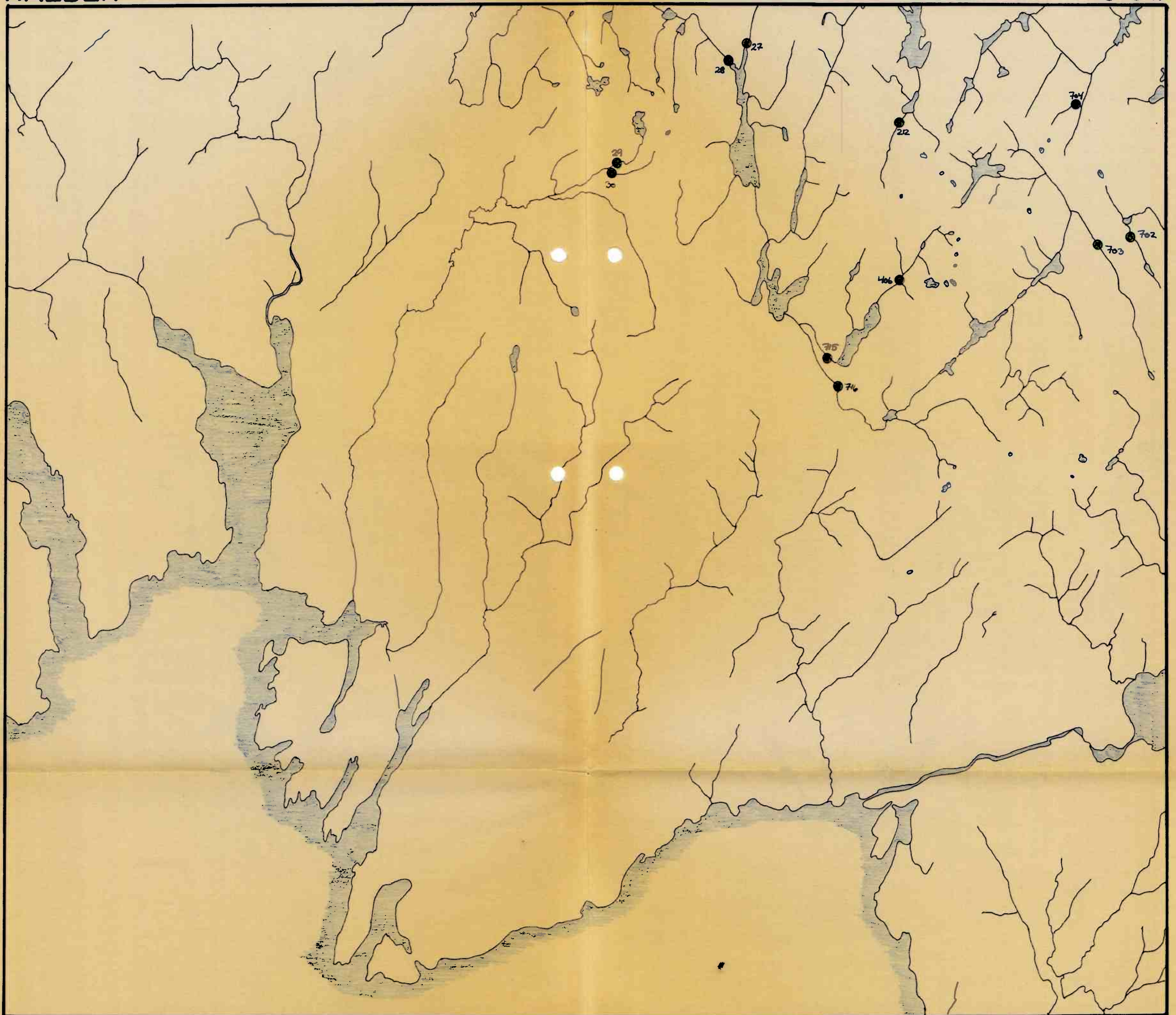
* nøytronaktiveringsanalyse

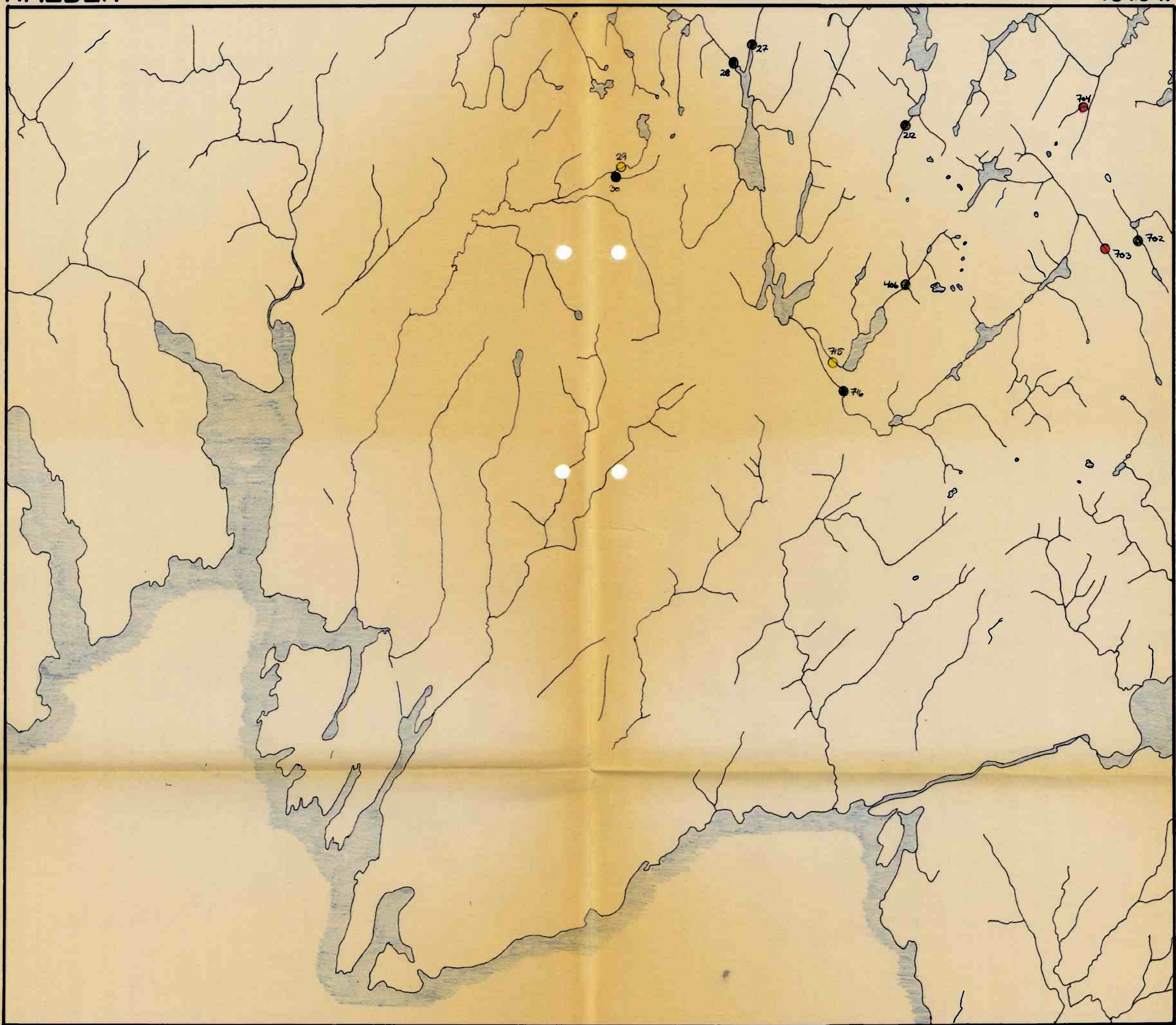
Prøve mrk.	L.nr.	ppm Cu	ppm Pb	ppm Zn	ppm W
5036	57058	<10	<10	55	17
5037	57059	25	<10	85	<10
5038	57060	<10	<10	65	<10
5039	57061	<10	<10	82	<10
5040	57062	<10	<10	78	<10 <10 ^x
5041	57063	<10	15	120	<10
5042	57064	25	13	120	<10
5043	57065	87	13	75	<10
5044	57066	23	13	110	<10
5045	57067	15	20	110	<10
5046	57068	10	16	160	<10
5047	57069	14	17	120	<10
5048	57070	20	<10	80	~10
5049	57071	<10	19	123	<10
5050	57072	20	12	110	<10
5051	57073	25	20	100	<10
5052	57074	23	16	110	<10
5053	57075	20	16	95	<10
5054	57076	25	18	115	<10
5055	57077	23	15	130	<10
5056	57078	33	14	120	<10
5057	57079	30	23	110	<10
5058	58080	50	18	100	<10
5059	57081	12	19	100	<10
5060	57082	40	25	120	<10
5061	57083	25	16	135	<10
5062	57084	46	<10	150	13
5063	57085	36	14	115	<10
5064	57086	23	15	115	<10 <10 ^x
5065	57087	30	15	115	<10
5066	57088	<10	<10	90	<10
5067	57089	155	<10	60	14
5068	57090	<10	<10	115	<10
5069	57091	10	<10	90	<10
5070	57092	40	<10	120	~10
5071	57093	42	25	135	45

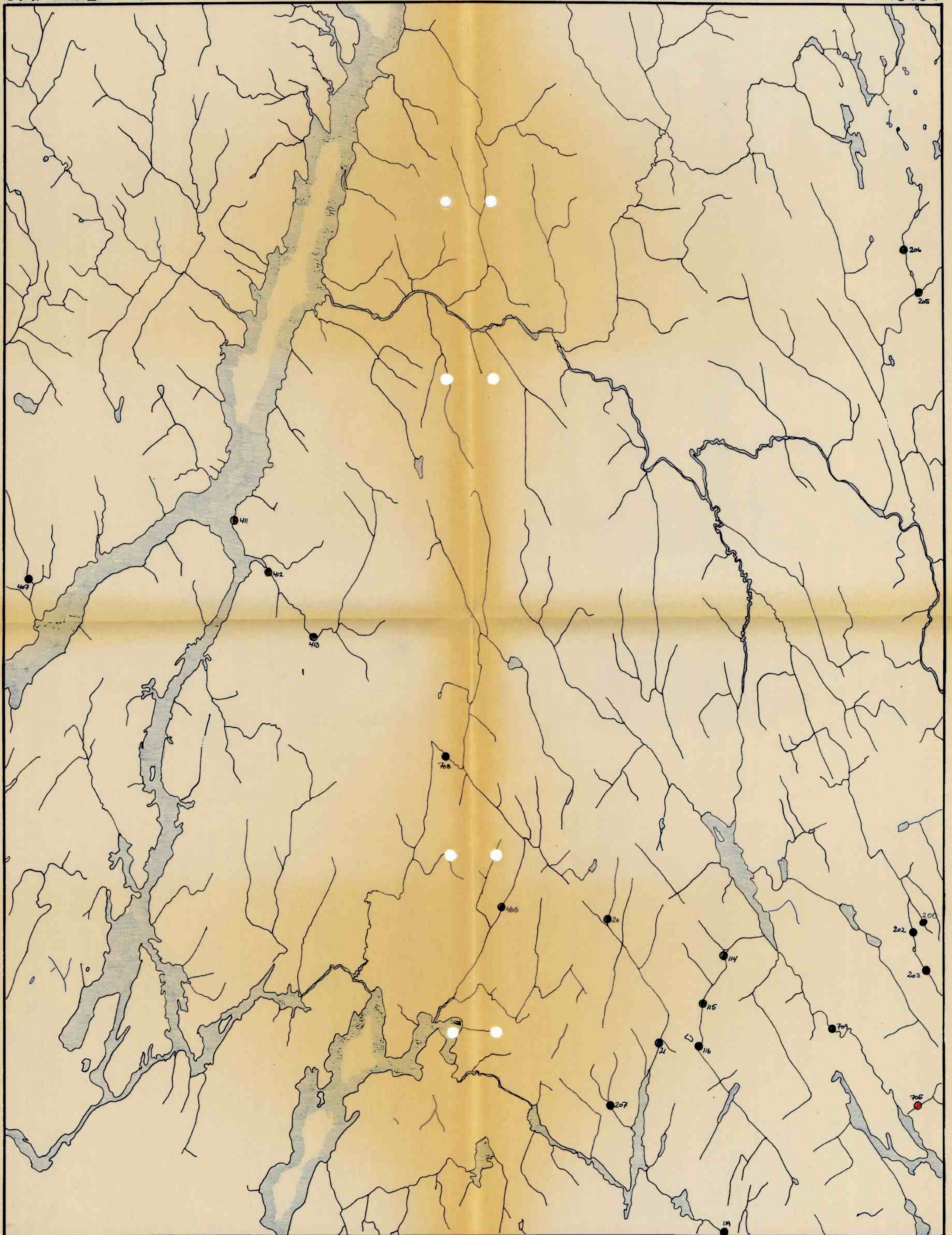
^xnøytronaktiveringsanalyse

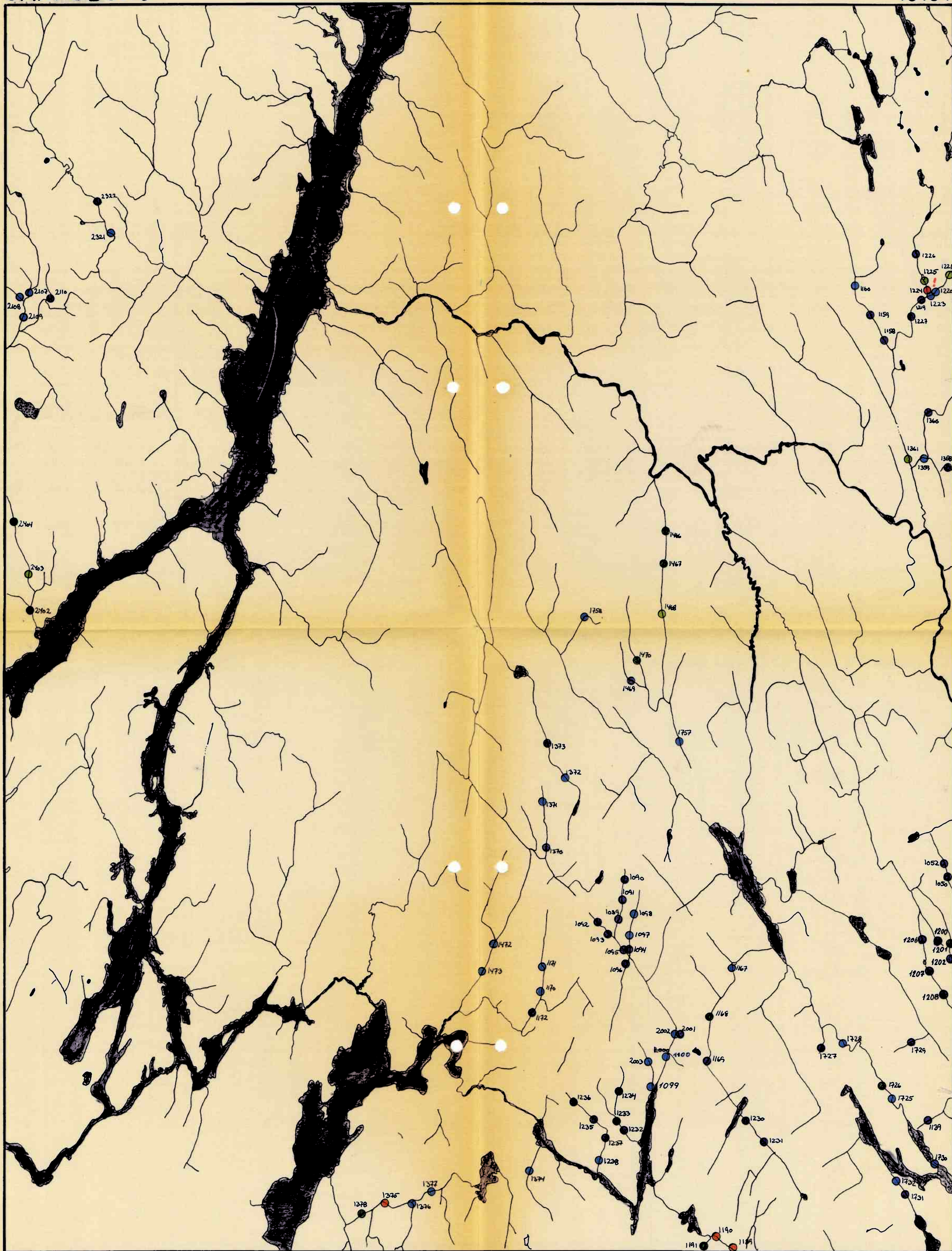
Prøve mrk.	L.nr.	ppm Cu	ppm Pb	ppm Zn	ppm W
5072	57094	15	<10	105	<10
5073	57095	<10	<10	105	<10
5074	57096	23	<10	90	12
5075	57097	<10	<10	110	55
5076	57098	<10	<10	110	<10
5077	57099	80	22	110	<10
5078	57100	<10	<10	100	<10
5079	57101	<10	<10	120	<10
5080	57102	40	<10	110	12
5081	57103	45	<10	115	15
5082	57104	22	<10	70	<10
5083	57105	13	19	135	30
5084	57106	<10	12	135	57
5085	57107	28	16	115	<10
5086	57108	23	20	135	25
5087	57109	15	26	155	14
5088	57110	36	28	160	67
5089	57111	24	20	140	47
5090	57112	37	22	140	35
5091	57113	<10	18	100	<10
5092	57114	41	10	125	<10
5093	57115	46	24	120	35
5094	57116	<10	27	125	<10
5095	57117	34	23	120	<10
5096	57118	29	<10	120	<10
5097	57119	35	78	140	<10
5098	57120	78	<10	75	<10
5099	57121	<10	<10	110	<10
5100	57122	<10	<10	75	<10
5101	57123	42	<10	75	22
5102	57124	25	10	120	<10
5103	57125	63	30	150	58
5104	57126	89	27	160	125
5105	57127	108	24	270	35
5106	57128	45	31	145	<10
5107	57129	<10	<10	100	<10

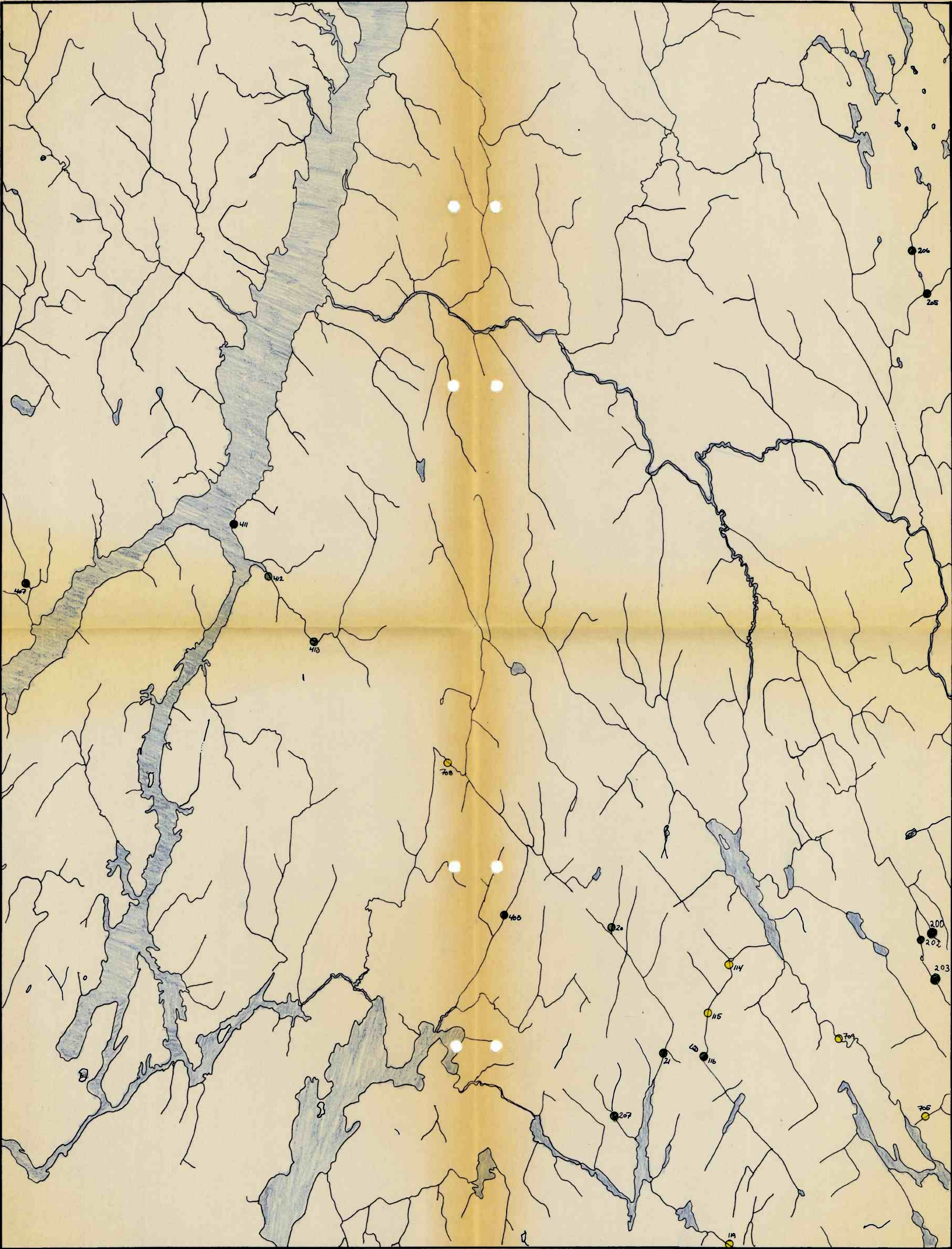
Prøve mrk.	L.nr.	ppm Cu	ppm Pb	ppm Zn	ppm W
5108	57130	12	<10	130	<10
5109	57131	56	20	140	<10
5110	57132	74	25	130	25
5111	57133	23	27	130	<10
5112	57134	30	22	130	<10
5113	57135	56	24	150	25
5114	57136	<10	<10	80	<10
5115	57137	38	11	90	<10
5116	57138	30	<10	115	100
5117	57139	25	<10	100	<10
5118	57140	12	<10	120	<10
5119	57141	52	<10	115	42

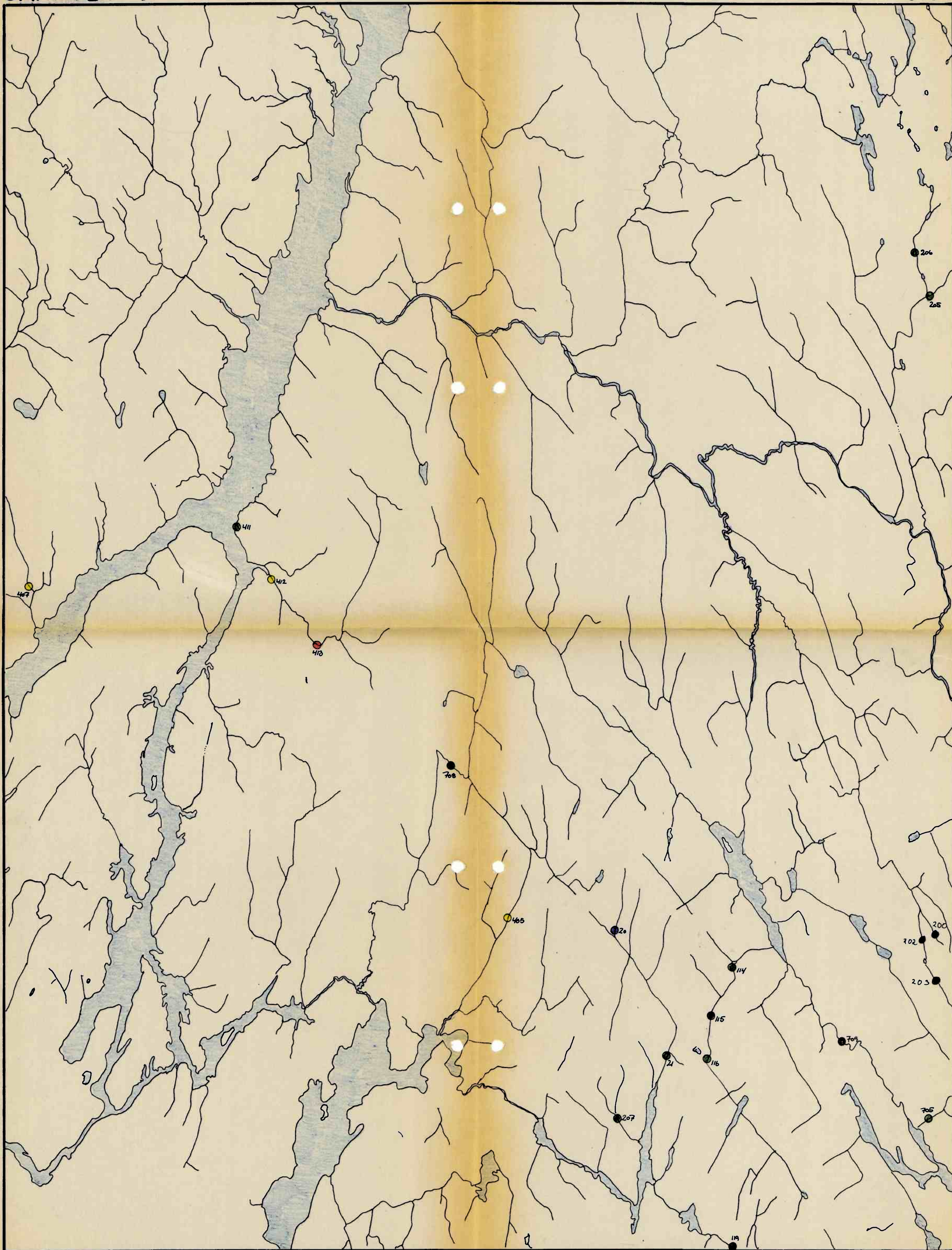


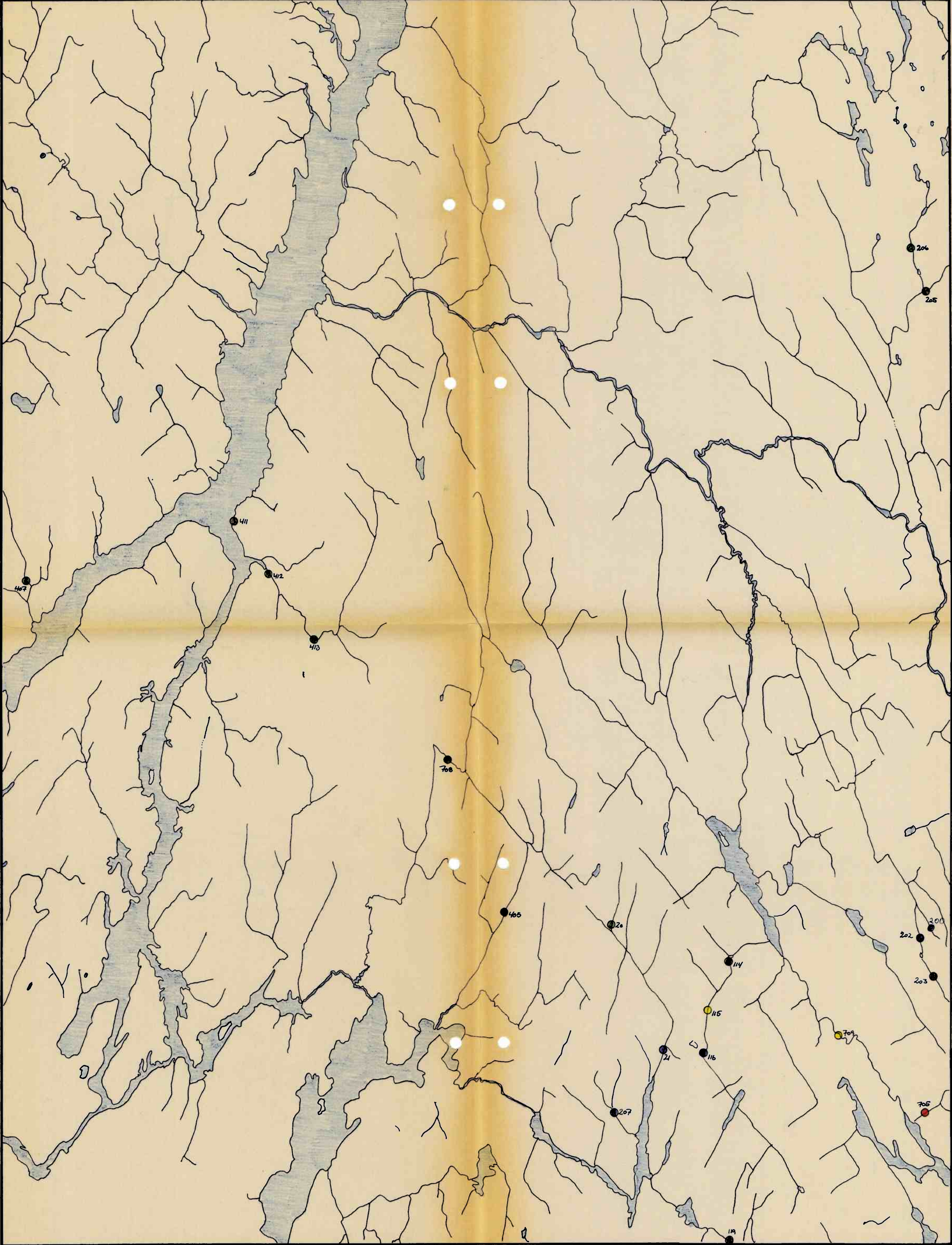


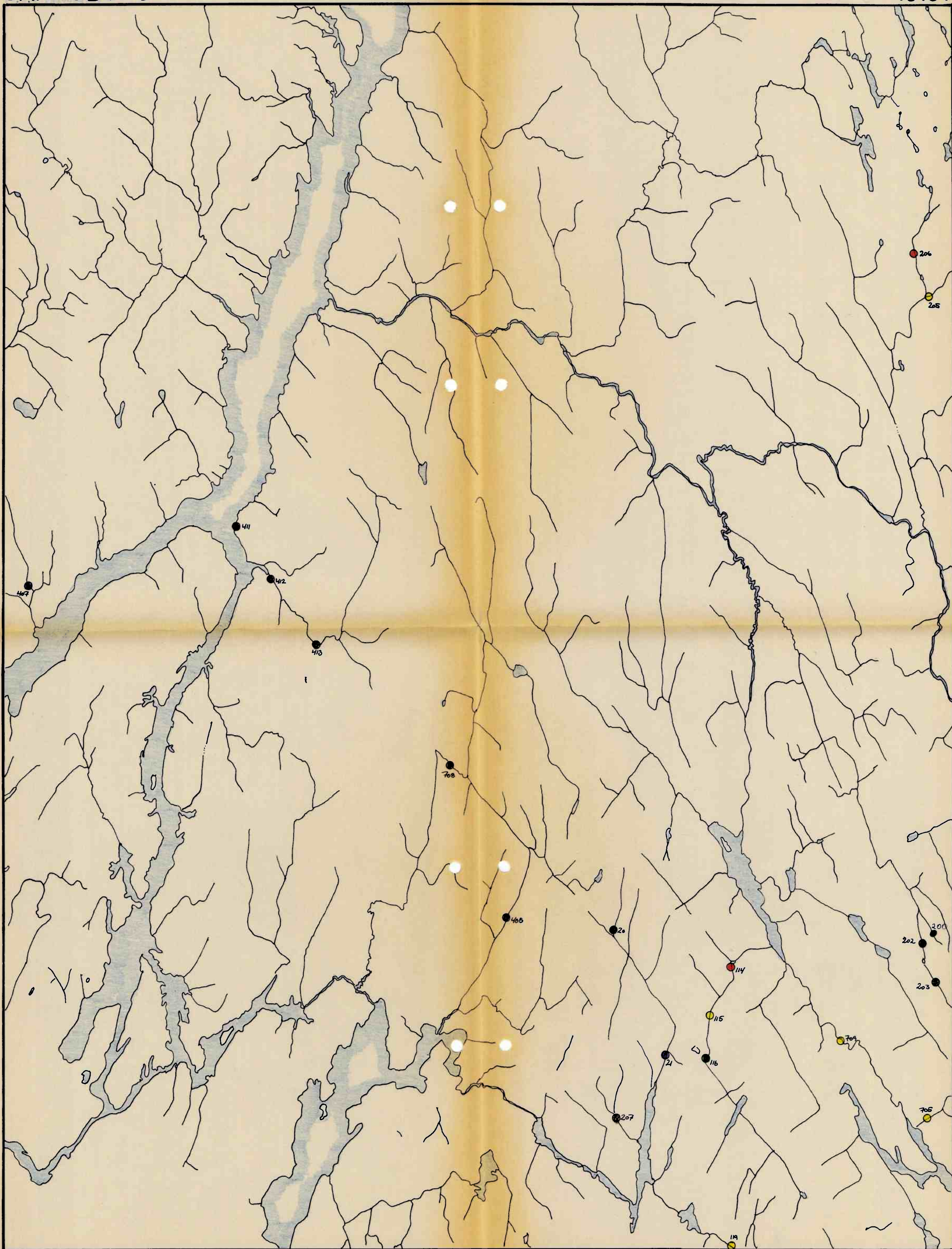


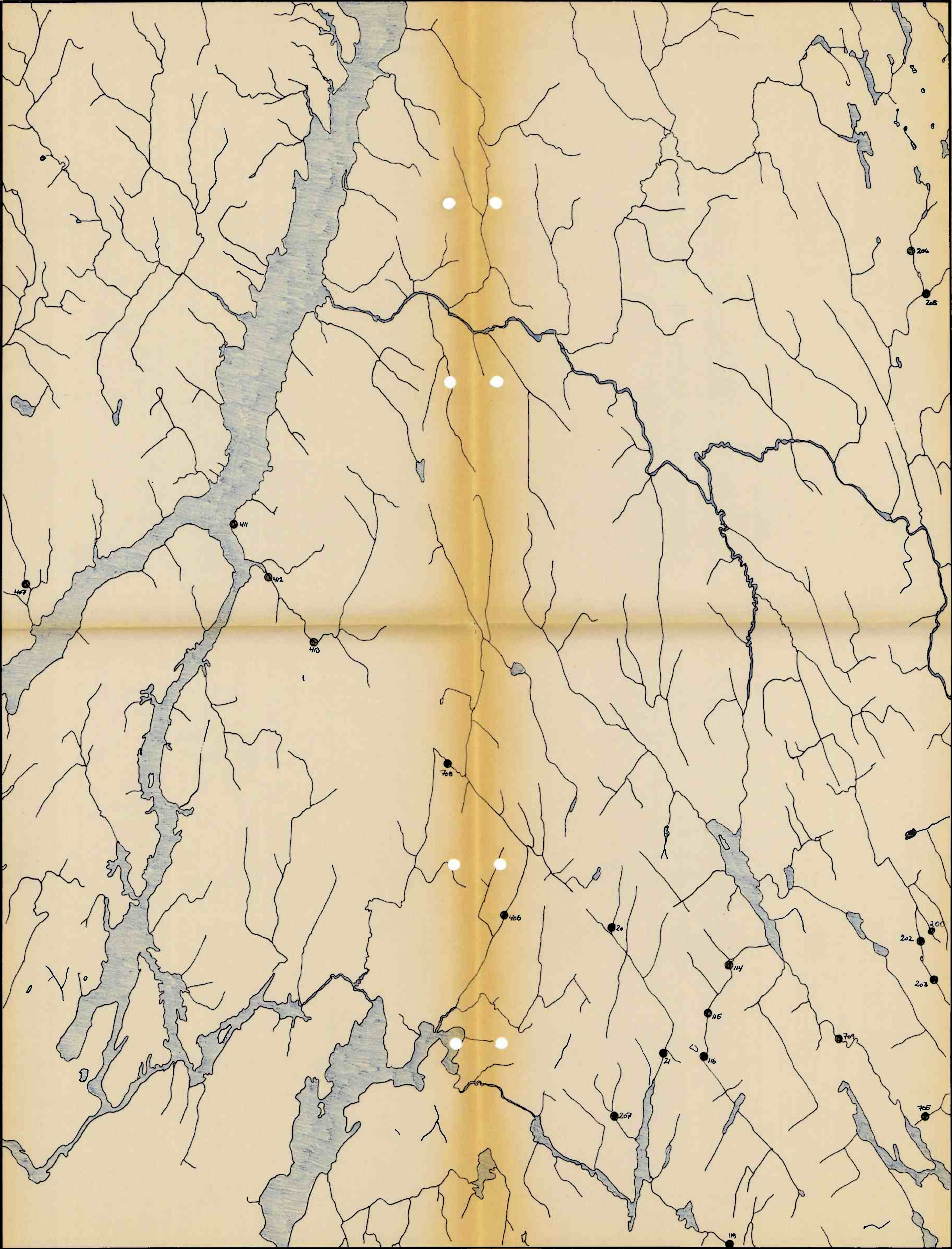












Malmundersøkelser i Østfold:

Fra svenskegrensen over Spydeberg til Frederikslod strekker seg en tynt mineralisert horisont. Horisonten er stratigrafisk definert og består av en grå gneis tildels meget kvartsittisk. Den inneholder tungmetaller som MoS_2 ved siden av Wismuthglans, Kopperkis, Nikkelmagnetit og Scheelit i små mengder.

I 1973 har vi folst op horisonten og registrert mineraliseringene.

Der hvor horisonten kommer i kontakt med seinere granitiske smeltmasser er det kommet lokalt til anrikninger av tungmetallene. Et slikt sted synes å være arealet rundt Tørebysgården.

Her finnes det en begrenset granitintrusjon av $500 \times 500 \text{ m}$ med delvis tegn på rike MoS_2 mineraliseringer. Dette området er blitt mulet i sommeren 1974.

VLF-målinger viste ikke noe sterkt anomali i dette området. Det skyldes at MoS_2 ikke gir noe stor effekt ved EM eller lignende målingstyper.

Den eneste mulighet å komme videre i dette tilfelle er å diamantbore. Det er planlagt 2 hull

a) allerede i vinter 74/75

1. a 400 m	$\approx$ ca. 60 000 kr
1. a 500 m	$\approx$ ca. 75 000 kr
	<u>135 000 kr</u>

Malmprøver er funnet av gårdseieren på jordet. De inneholder in til 14% Mo. Staburet var støttet av slike rikmalm-blokker.

og som grunnmur til den nye Betskytårnen

alternativt ett hull 450 m $\approx$ 150 kr/m = 67 500 kr

Planlagt for 1975 er et geokjemisk prospekusjon i den sydlige delen av Østfold: ca. $1000 \text{ km}^2 \approx$ 300 000 kr. Prospekusjonen omfatter bekkesedimenter, jordprøver, vasking av tungmetaller.

Motivering for et slikt program er: store deler av Østfold er overdelt og det finnes lite reliefenergi. Gneislagrekken tilsammen med Iddefjordgranitten danner et kombinasjon hvor tungmetallanrikninger er mulig.

Tallning av VLF-målinger: det ser ut som at de største anomaliene er på grensen av granittfeltet. Gjennom overdelt har man imidlertid ingen muligheter for å kontrollere dette.

provennr	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1002	95	634	144	21	0	
1003	23	147	172	1	1	
1004	87	204	212	3	1	
1005	86	599	0	6	3	
1006	20	171	0	1	0	
1007	6	258	0	1	0	
1008	11	242	100	3	0	
1009	54	262	0	1	0	
1010	8	133		5	0	
1011	8	135	178	5	19	
1012	21	568	178	8	7	
1013	-	143		7	0	
1015	5	633		0	0	Asp 6478 65633
1016	4	129	155	5	9	
1018	26	204	172	5	0	
1020	8	145	212	0	0	
1022	14	163		0	4	
1024	91	154		0	0	
1026	104	133		8	0	
1027	137	275	200	7	0	
1028	51	275	286	8	9	
1029	26	81	252	4	0	
1030	20	286	304	1	0	
1031	5	121	155	1	1	
1032	81	119	178	9	3	
1033	39	215	89	3	2	
1034	73	119	133	3	1	
1035	307	496		10	6	Aspern 6433 65680
1036	190	457		18	9	" 6436 65677
1037	92	223		16	7	
1038	118	184		12	7	
1039	34	509		4	1	H 6430 65689
1040	39	171		11	7	
1041	22	148		5	1	
1042	89	124		9	1	
1043	214	749		9	19	(Cg) 6413 65717
1044	36	241	44	0	7	
1045	63	171	172	14	9	
1046	10	142	172	9	11	
1047	14	135	234	11	8	
1048	37	82	66	12	8	
1049	29	152	0	9	8	
1050	31	54	124	4	1	
1051	8	49		5	0	
1052	27	65		2	1	
1053	38	133		16	14	
1054	163	1447		22	15	6448 65802
1055	201	362		13	15	" 798
1056	68	179	23	12	18	
1057	51	135	50	16	27	

prøvenr	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1058	106	157		11	28	
1059	35	100		18	33	
1060	71	232		9	8	
1061	206	415	150	16	165	(lymørk 6454 65730
1062	32	97		10	4	
1063	67	254		16	60	59 780
1064	34	86		13	4	
1065	64	124		10	3	
1066	53	184		10	6	
1067	27	96		10	1	
1068	73	333		17	7	
1069	75	197		14	4	
1070	25	210		9	3	
1071	14	218		16	3	
1072	99	218	23	11	0	
1073	81	242		17	3	
1074	169	398		9	0	(lym. 6468 65822
1075	218	239		30	4	
1076	44	166		15	4	
1077	33	79		5	1	
1078	49	128		14	1	
1079	54	103		2	0	
1080	24	274	112	10	13	
1081	8	35	162	5	4	
1083	16	85		9	3	
1084	100	126		11	0	
1085	55	243		11	0	
1086	3	53	100	6	0	
1087	34	43	162	9	0	
1088	13	102	37	11	0	
1089	6	42		10	2	
1090	174	353		14	2	
1091	108	207		12	1	
1092	20	141		11	1	
1093	11	121		12	1	
1094	183	162	125	12	0	
1095	12	117	25	11	0	
1096	35	84		13	0	
1097	39	89	20	12	4	
1098	51	115		16	4	
1099	11	89		10	4	
1100	28	143		12	5	
1200	61	116		0	1	
1201	113	335	210	0	10	
1202	56	115	120	0	1	
1203	34	160	221	0	4	
1204	20	82		0	0	
1205	11	85		0	0	
1206	24	85		0	0	
1207	10	85		0	0	

1 2 9 9	1 1	6 8	8	1 1	5
7 3 0 1	1 8	6 8	5	0	2 1
1 3 0 2	2	6 8	3	0	0
1 3 0 3	3 8	8 2	0	1 1	1 2
7 3 0 5	1 8	1 1 6	3 2	8	5 7
7 3 0 8	7	4 4	3	0	3

prevent	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Co ppm
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1188	10	97	3	3	0
1189	16	140	68	14	56
1191	2	22	6	8	10
1192	18	63	9	5	13
1193	6	106	40	8	15
1194	114	241	165	10	437
1195	6	104	6	3	12
1196	22	47	28	0	23
1197	11	52	6	9	8
1198	42	139	0	16	53
1199	11	79	4	16	13
1252	17	50	28	14	3
1255	38	127	19	8	8
1256	5	65	6	8	5
1257	5	55	15	8	0
1258	8	52	2	9	0
1259	18	84	4	9	0
1260	12	92	26	14	14
1261	19	109	39	14	3
1262	3	50	13	8	0
1263	1	43	2	0	0
1264	37	68	13	7	8
1265	6	68	4	8	0
1266	27	65	22	16	8
1267	24	113	17	14	8
1269	2	46	4	8	4
1271	7	104	7	14	8
1274	6	90	2	4	0
1277	6	62	4	8	17
1278	8	136	4	4	18
1279	12	87	4	4	8
1280	29	94	37	14	20
1281	25	96	16	11	19
1282	13	90	33	8	76
1283	19	61	11	8	19
1284	2	57	5	0	3
1285	11	87	8	8	5
1286	12	50	8	8	3
1287	19	57	8	0	0
1288	8	31	5	4	0
1289	14	27	5	0	3
1290	5	33	3	0	8
1291	6	78	3	4	5
1292	6	27	3	4	8
1293	19	82	5	0	40
1294	50	163	100	8	53
1295	12	39	16	8	9
1296	7	44	11	11	3
1297	8	100	13	11	9
1298	11	64	11	14	23

Aspm F 6348/N 65693

proven	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Co ppm
1743	11	136	5	0	7
1746	34	88	30	8	1
1755	11	60	25	8	4
1757	15	48	7	9	7
1761	5	83	18	20	2
1763	2	36	5	0	1
1766	5	43	5	14	1
1769	5	29	5	4	1
1770	4	36	12	0	0
1771	1	73	2	0	0
1772	1	88	2	9	0
1774	1	122	2	4	0
2402	8	74	39	5	3
2408	12	90	35	10	4
2413	1	41	4	0	0
2418	3	32	16	1	0
2422	15	114	20	0	10
2425	5	110	16	0	12
2426	4	255	24	0	8
2427	6	103	16	1	8
1403	93	202	26	0	2
1410	1	20	4	0	0
1411	4	34	12	1	0
1415	16	361	51	1	14
1419	6	38	22	6	4
1423	3	74	16	0	1
1427	4	48	4	0	3
1431	5	54	0	10	9
1438	1	45	12	0	8
1439	15	48	4	0	10
1445	10	63	18	0	27
1447	9	155	10	1	9
1448	10	94	24	8	35
1455	5	139	0	1	10
1456	8	100	10	0	40
1460	21	76	37	6	11
1466	11	88	14	3	15
1469	8	45	10	4	3
1470	5	98	10	1	14
1472	5	73	7	1	9
1474	21	35	2	2	0
1476	11	172	5	6	13
1478	8	124	7	0	3
1483	15	45	22	1	0
1497	34	451	113	1	29
1499	8	127	22	4	0
1101	10	44	14	0	3
1102	5	100	7	1	0
1103	23	129	5	0	8
1106	47	258	198	2	0

8.	provent	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Co ppm		
	1107	8	134	10	1	0		
	1109	16	121	7	1	3		
	1110	13	54	7	0	9		
	1111	15	121	10	0	8		
	1112	21	484	44	6	8	Aspen	E 6512 / N 65692
	1113	13	65	7	0	0		
	1114	33	57	97	0	4		
	1115	908	1299	52	4	0	Aspen	E 6501 / N 65691
	1116	25	129	57	1	0		
	1118	29	80	30	0	4		
	1119	64	121	29	4	9		
	1122	7	95	18	0	1		
	1125	11	0	10	1	2		
	1127	12	127	8	1	1		
	1128	4	214	16	3	2		
	1129	26	137	65	3	28		
	1130	51	365	260	3	93	Pyrite	E 6438 / N 65750
	1133	83	214	31	0	9		
	1135	84	148	71	3	24		
	1139	60	114	18	1	2		
	1144	1	39	3	1	2		
	1145	11	125	3	3	0		
	1146	2	85	26	4	5		
	1147	34	98	47	3	37		
	1148	7	171	5	3	8		
	1151	8	58	21	1	2		
	1153	11	50	8	0	1		
	1154	3	50	3	0	2		
	1156	5	52	6	1	0		
	1157	41	100	11	0	0		
	1158	9	75	3	3	2		
	1159	7	61	6	1	2		
	1162	3	127	8	0	1		
	1163	26	139	81	4	44		
	1165	11	58	19	15	8		
	1168	11	94	22	4	11		
	1169	2	146	6	4	0		
	1170	7	128	3	8	4		
	1171	13	108	6	0	4		
	1172	2	19	3	4	0		
	1173	5	80	3	8	0		
	1174	1	52	3	4	8		
	1175	11	52	3	0	4		
	1177	21	197	6	8	10		
	1179	27	69	29	0	4		
	1181	68	183	150	7	13		
	1182	38	106	28	10	4		
	1183	19	80	3	8	9		
	1186	19	52	3	4	8		
	1187	7	14	12	0	0		

3.	provenr	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
	1208	10	94		0	0	
	1209	6	85		0	0	
	1210	78	192		9	11	
	1211	18	98		9	6	
	1212	31	37		8	7	
	1213	49	107		12	20	
	1214	32	53		3	32	
	1215	45	93		1	8	
	1216	27	81		2	12	
	1217	93	378	160	12	676	
	1218	46	90	160	3	29	
	1219	10	52		0	1	
	1220	19	47		0	5	
	1221	97	394		6	20	
	1222	33	64		6	2	
	1223	24	64	160	6	7	
	1224	79	142	200	7	200	
	1225	43	71	200	3	18	
	1226	24	60		0	1	
	1227	15	51		0	1	
	1228	27	104	21	23	12	
	1229	24	87		0	2	
	1230	11	54		0	2	
	1231	24	91		13	2	
	1232	15	52		0	2	
	1233	21	104		8	10	
	1234	12	73		9	12	
	1235	16	82		15	1	
	1236	9	48	242	17	3	
	1237	7	48		13	3	
	1238	7	44		2	6	
	1239	34	125		2	2	
	1240	15	16	66	6	0	
	1241	32	82		4	0	
	1242	7	93		4	0	
	1243	14	114	66	8	0	
	1244	32	38		9	0	
	1245	25	40		0	1	
	1246	19	38		15	1	
	1247	20	55		15	8	
	1248	4	30		4	0	
	1249	4	19		4	0	
	1250	1	70		0	0	
	1251	18	37		15	1	
	1253	4	24		0	0	
	1254	8	29		0	0	
	1268	20	33		8	3	
	1270	5	26		8	1	
	1272	2	44		8	0	
	1273	23	37		8	1	

provenr	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1275	9	33		11	3	
1276	15	42		11	9	
1601	11	87		5	10	
1603	8	60		2	10	
1605	8	42		0	0	
1607	8	60		4	10	
1609	8	49		13	17	
1613	25	103		11	18	
1621	16	71		8	17	
1624	12	95		4	9	
1627	11	77		15	13	
1635	9	50		4	15	
1638	12	59		8	12	
1641	9	46		8	16	
1645	8	122		0	0	
1647	13	97		11	18	
1649	75	540		104	18	
1655	12	70		6	12	
1657	21	77	22	0	1	
1664	14	95	10	0	7	
1669	14	30	10	0	9	
1672	20	30	8	0	8	
1674	9	43	5	0	0	
1677	5	18	9	0	6	
1679	20	43	10	0	9	
1683	27	51	12	0	9	
1686	17	71	11	0	9	
1687	37	48	11	0	8	
1689	36	37	14	0	8	
1695	9	37	10	0	12	
1696	27	31	3	0	9	
1697	11	23	3	0	9	
1698	32	48	5	0	20	
1699	10	74	3	14	10	
1320	82	108	45	0	1	
1322	273	208	175	0	23	
1324	243	500	137	0	1	pejmark 6480 65712
1325	61	163	31	3	12	
1330	36	52	14	0	0	
1333	16	48	4	8	0	
1335	19	119	0	3	1	
1338	37	76	86	3	0	
1339	50	204	10	0	0	
1340	2	8	0	0	1	
1343	36	89	179	0	14	
1344	71	129	67	0	8	
1345	39	129	42	0	10	
1347	43	170	26	8	32	
1353	4	81	6	0	16	
1359	2	19	0	0	8	

provenr	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1275	9	33				
1276	15	42				
1601	11	87				
1603	8	60				
1605	8	42				
1607	8	60				
1609	8	49				
1613	25	103				
1621	16	71				
1624	12	95				
1627	11	77				
1635	9	50				
1638	12	59				
1641	9	46				
1645	8	122				
1647	13	97				
1649	75	540				
1655	12	70				
1657	21	77				
1664	14	95				
1669	14	30				
1672	20	30				
1674	9	43				
1677	5	18				
1679	20	43				
1683	27	51				
1686	17	71				
1687	37	48				
1689	36	37				
1695	9	37				
1696	27	31				
1697	11	23				
1698	32	48				
1699	10	74				
1320	82	108				
1322	273	208				
1324	243	500				
1325	61	163				
1330	36	52				
1333	16	48				
1335	19	119				
1338	37	76				
1339	50	204				
1340	2	8				
1343	36	89				
1344	71	129				
1345	39	129				
1347	43	170				
1353	4	81				
1359	2	19				

provenr	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1362	3	65				
1369	101	317				
1370	9	40				
1373	9	63				
2005	11	28				
2006	92	162				
2011	8	11				
2025	9	358				
2030	6	14				
2037	9	156				
2039	1	35				
2044	6	106				
2047	14	93				
2050	49	293				
2058	5	38				
2064	10	41				
2065	1	86				
2067	25	106				
2073	4	44				
2077	2	34				
1304	9	64				
1306	2	21				
1312	15	11				
1315	25	82				
1374	29	70				
1378	20	66				
1379	9	100				
1380	30	117				
1381	26	29				
1382	46	59				
1383	25					
1385	211					
1390	74					
2311	8					
2312	6					
2316	16					
1307	0	11				
1309	0	14				

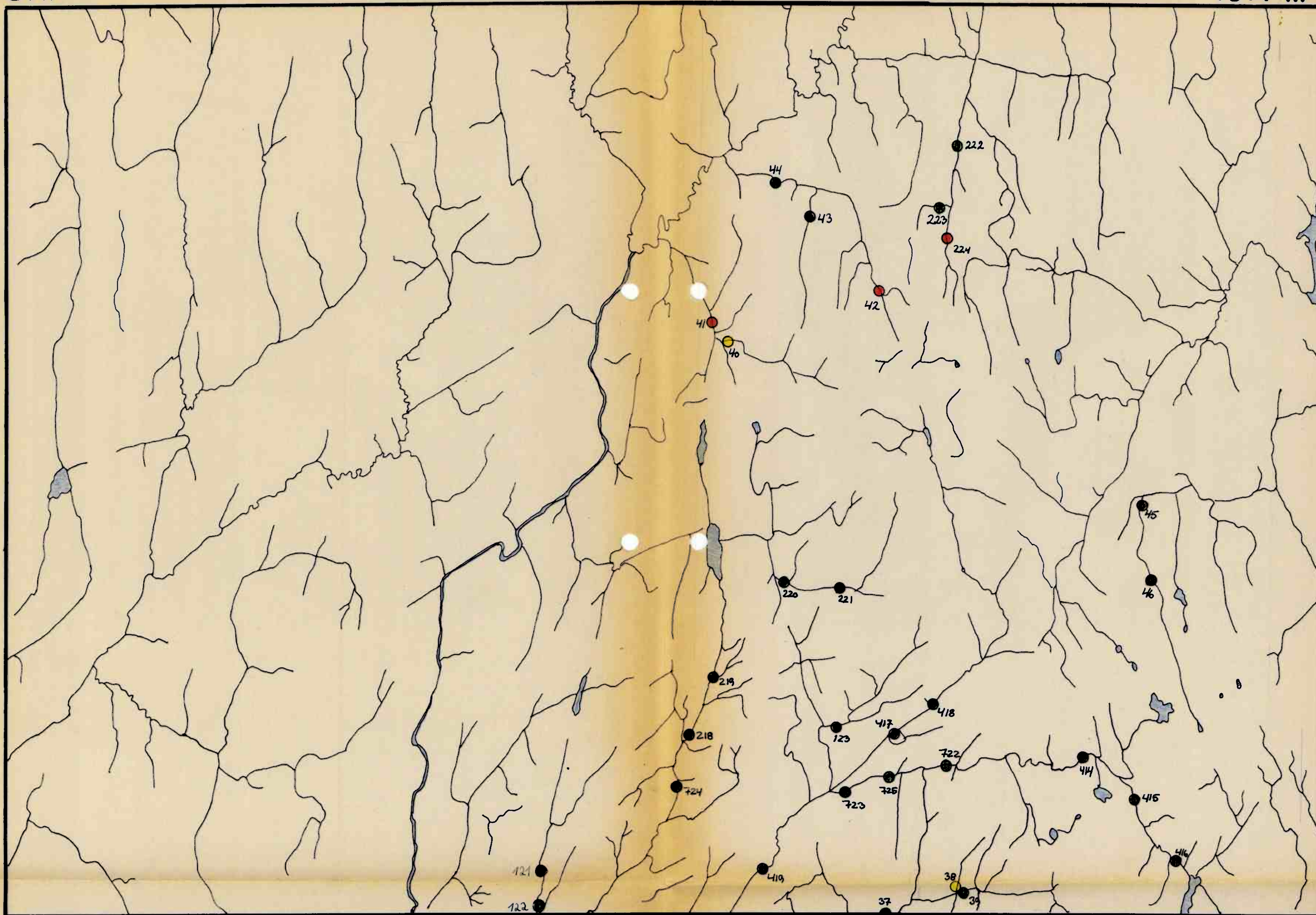
prøvenr	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1058	106	157		11	28	
1059	35	100		18	39	
1060	71	232	90	9	8	
1061	206	415	150	16	165	
1062	32	97		10	4	
1063	67	254		16	60	
1064	34	86		13	4	
1065	64	124		10	3	
1066	53	184		10	6	
1067	27	96		10	1	
1068	73	333		17	7	
1069	75	197		14	4	
1070	25	210		9	3	
1071	14	218		16	3	
1072	99	218	23	11	0	
1073	81	242		17	3	
1074	169	390	150	9	0	
1075	218	239	23	30	4	
1076	44	166	32	15	4	
1077	33	79		5	1	
1078	49	128		14	1	
1079	54	103		2	0	
1080	24	274	122	10	13	
1081	8	35	122	5	4	
1083	16	85		9	3	
1084	100	126		11	0	
1085	55	243		11	0	
1086	3	53	100	6	0	
1087	34	43	263	9	0	
1088	13	102	37	11	0	
1089	6	42		10	2	
1090	174	353		14	2	
1091	108	207		12	1	
1092	20	141		11	1	
1093	11	121		12	1	
1094	183	162	125	12	0	
1095	12	117	25	11	0	
1096	35	84		13	0	
1097	39	89	20	12	4	
1098	51	115		16	4	
1099	11	89		10	4	
1100	28	149		12	5	
1200	61	116		0	1	
1201	113	335	240	0	10	
1202	56	115	27	0	1	
1203	34	160	221	0	4	
1204	20	82		0	0	
1205	11	85		0	0	
1206	24	85		0	0	
1207	10	85		0	0	

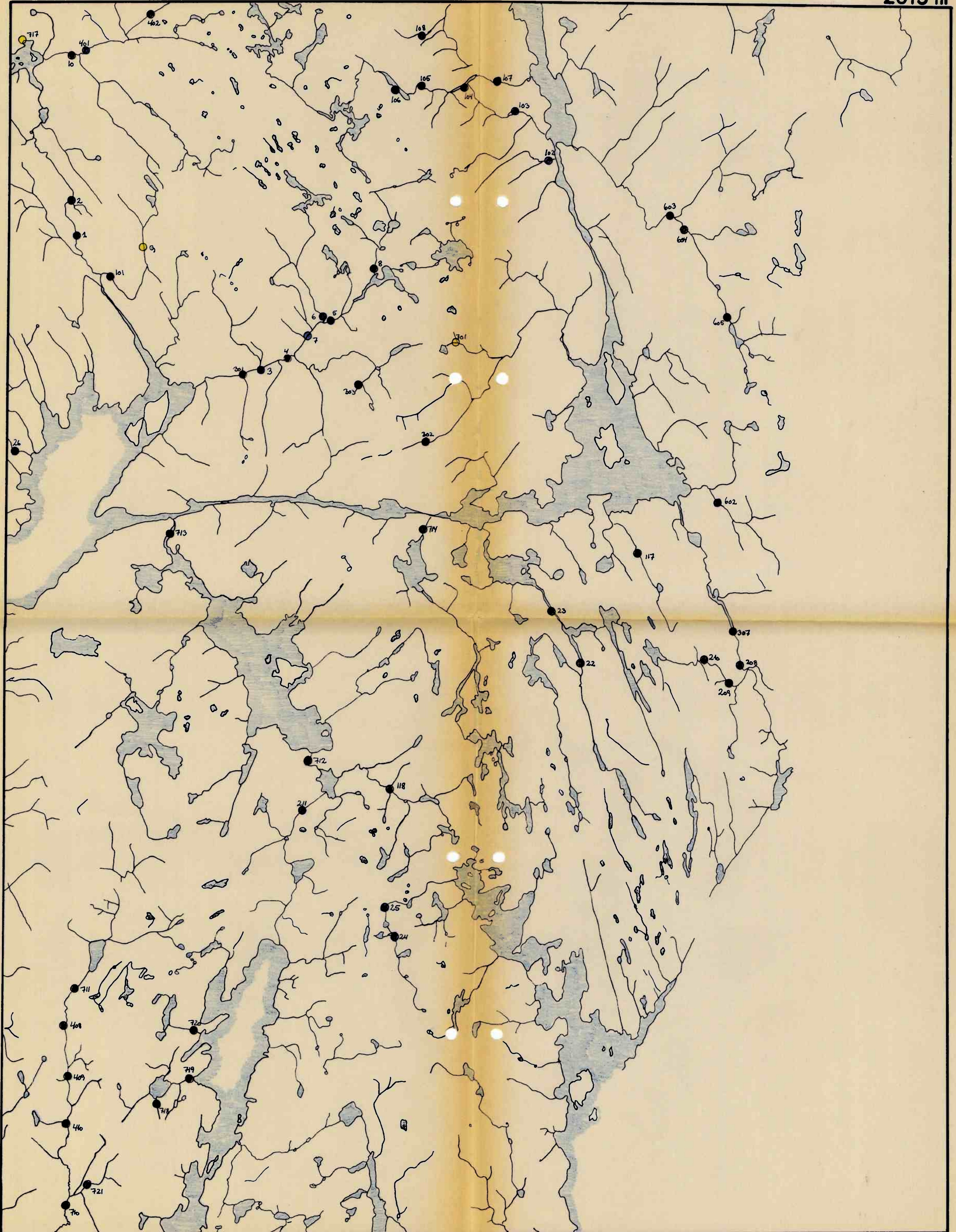
provenr.	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1208	10	94		0	0	
1209	6	85		0	0	
1210	78	192		9	11	
1211	18	98		9	6	
1212	31	37		8	7	
1213	49	107		12	20	
1214	32	53		3	32	
1215	45	93		1	8	
1216	27	81		2	12	
1217	93	378	160	12	676	
1218	46	90	160	3	29	
1219	10	52		0	1	
1220	19	47		0	5	
1221	97	394		6	20	
1222	33	64		6	2	
1223	24	64	160	6	7	
1224	79	142	200	7	200	
1225	43	71	200	3	18	
1226	24	60		0	1	
1227	15	51		0	1	
1228	27	104	21	23	12	
1229	24	87		0	2	
1230	11	54		0	2	
1231	24	91		13	2	
1232	15	52		0	2	
1233	21	104		8	10	
1234	12	73		9	12	
1235	16	82		15	1	
1236	9	48	212	17	3	
1237	7	48		13	3	
1238	7	44		2	6	
1239	34	125		2	2	
1240	15	16	66	6		
1241	32	82		4		
1242	7	93		4		
1243	14	114	66	8		
1244	32	38				
1245	25	40				
1246	19	38				
1247	20	55				
1248	4	30				
1249	4	19				
1250	1	70				
1251	18	37				
1253	4	24				
1254	8	29				
1268	20	33				
1270	5	26				
1272	2	44				
1273	23	37				

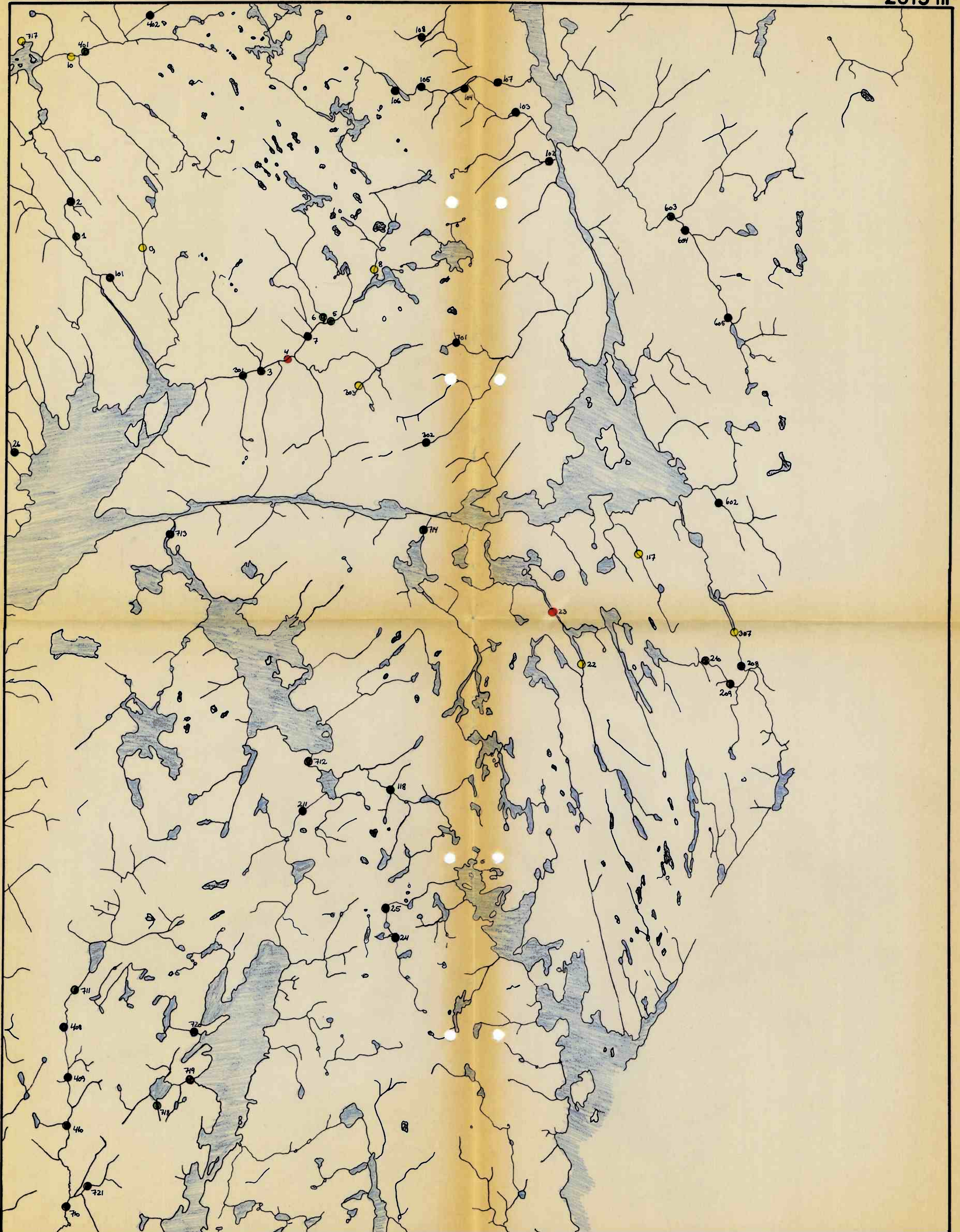
provenr.	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1002	95	634		21	0	
1003	23	147		1	1	
1004	87	204		3	1	
1005	86	599		6	3	
1006	20	171		1	0	
1007	6	258		1	0	
1008	11	242		3	0	
1009	54	262		1	0	
1010	8	133		5	0	
1011	8	135		5	19	
1012	21	568		8	7	
1013	-	143		7	0	
1015	5	633		0	0	
1016	4	129		5	9	
1018	26	204		5	0	
1020	8	145		0	0	
1022	14	163		0	4	
1024	91	154		0	0	
1026	104	133		8	0	
1027	137	275		7	0	
1028	51	275		8	9	
1029	26	81		4	0	
1030	20	286		1	0	
1031	5	121		1	1	
1032	81	119		9	3	
1033	39	215		3	2	
1034	73	119		3	1	
1035	307	496		18	6	
1036	190	457		18	9	
1037	92	223		16	7	
1038	118	184		12	7	
1039	34	509		4	1	
1040	39	171		11	7	
1041	22	148		5	1	
1042	89	124		9	1	
1043	214	749		9	19	
1044	36	241		8	7	
1045	63	171		14	9	
1046	10	142		9	11	
1047	14	135		11	8	
1048	37	82		12	8	
1049	29	152		9	8	
1050	31	54		4	1	
1051	8	49		5	0	
1052	27	65		2	1	
1053	38	133		16	14	
1054	163	1447		22	15	
1055	201	362		13	15	
1056	68	179		12	18	
1057	51	135		16	27	

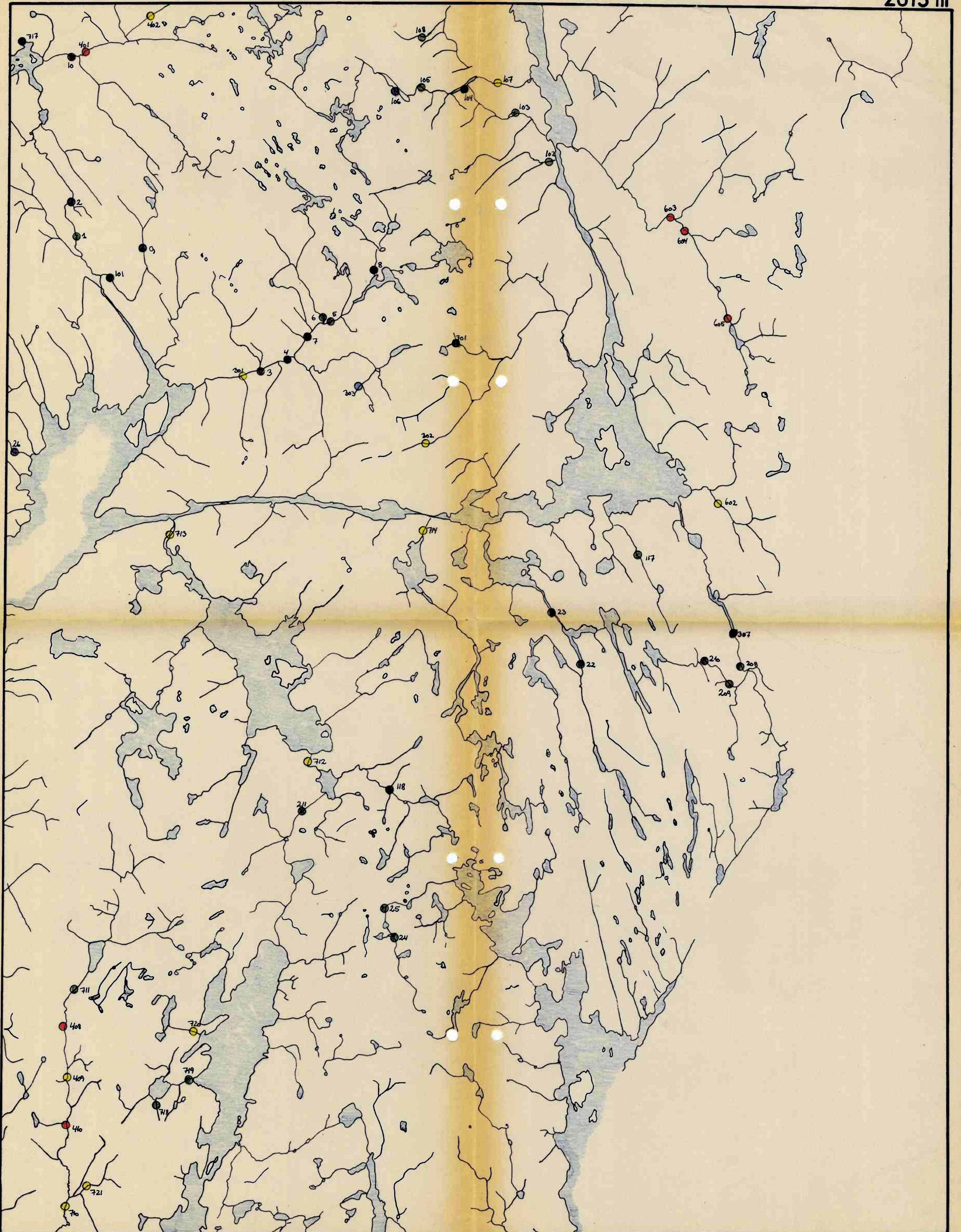
Provent	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
1362	3	65	3	0	8	
1369	104	317	53	13	15	
1370	9	40	3	0	1	
1373	9	63	3	0	1	
2005	11	28	104	11	1	
2006	92	162	67	8	3	
2011	8	11	42	0	1	
2025	9	358	30	11	5	
2030	6	14	30	0	1	
2037	9	156	0	0	1	
2039	1	35	0	0	0	
2044	6	106	42	9	10	
2047	14	93	47	9	5	
2050	49	293	45	0	0	
2058	5	38	42	11	4	
2064	10	41	40	8	1	
2065	1	86	10	0	0	
2067	25	106	10	0	0	
2073	4	44	10	0	0	
2077	2	34	10	0	0	
1304	9	64	18	0	0	
1306	2	21	9	0	0	
1312	15	11	4	0	1	
1315	25	82	14	0	1	
1374	29	70	0	0	8	
1378	20	66	23	0	12	
1379	9	100	7	0	3	
1380	30	117	100	8	45	
1381	26	29	23	0	1	
1382	46	59	20	0	1	
1383	25	54	28	1	10	
1385	211	175	14	1	8	
1390	74	85	7	0	9	
2311	8	161	4	0	1	
2312	6	65	4	0	4	
2316	16	80	4	1	7	
1307	0	11	0	0	0	
1308	0	14	0	0	0	
2319	4	54	4	0	1	
2321	25	60	82	2	9	
2325	6	34	7	0	2	
2327	5	31	20	2	3	
2329	29	45	3	2	2	
2332	8	81	14	0	5	
2337	1	26	3	1	0	
2340	12	47	7	5	24	
2345	7	50	28	0	3	
2346	5	34	10	0	3	
2201	43	416	63	15	11	
2205	27	430	23	2	8	

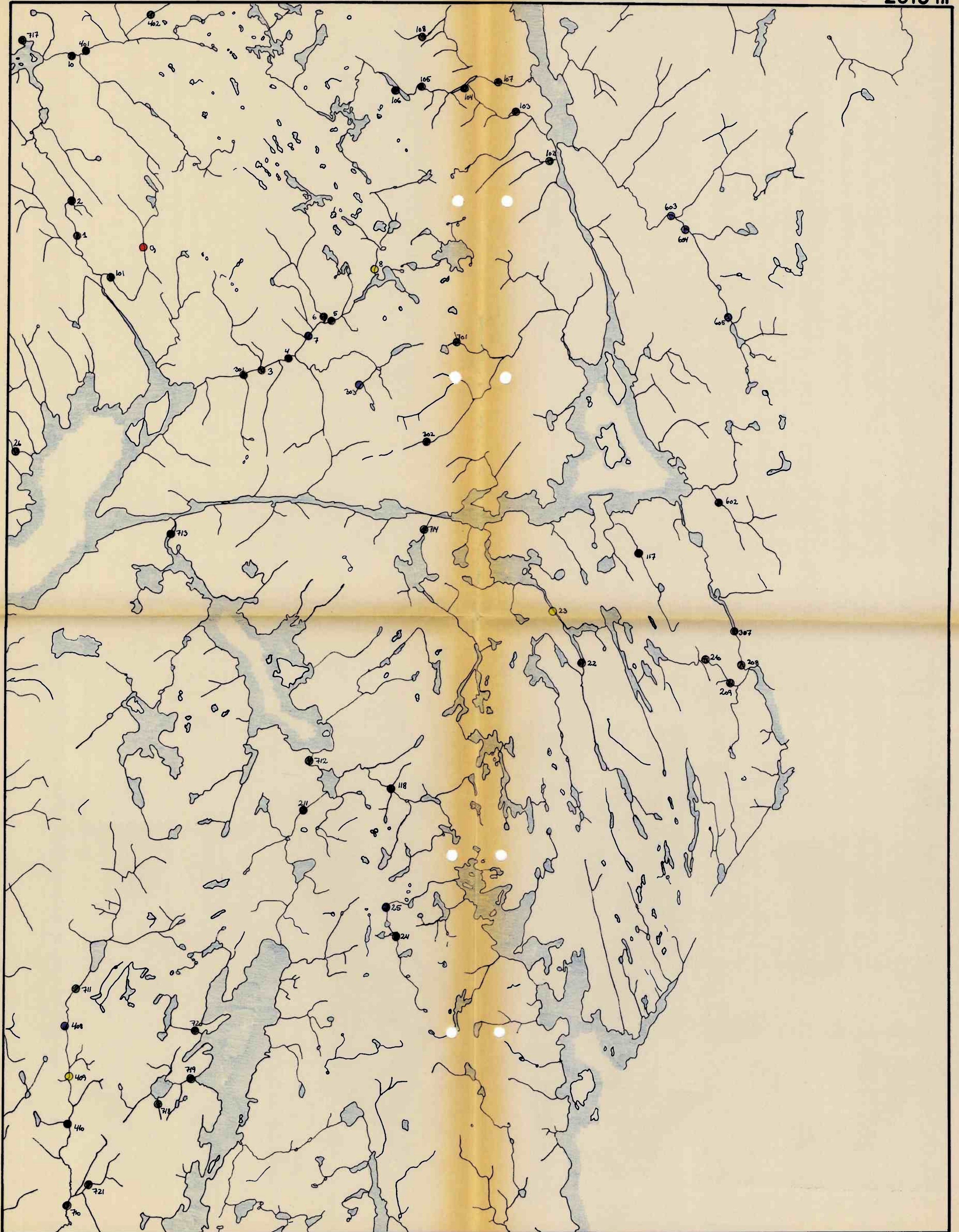
provenant	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ni (ppm)	Co (ppm)	bemærkninger
26 01	2	3 22	7	0	1 1	
26 03	2	3 46	3	6	1 3	
26 06	5	3 57	3	0	1 0	
26 09	7	2 84	16	10	5 3	
26 11	23	7 33	70	13	85	Aspern E 6545/N 65468
26 16	10	2 28	7	6	5	
26 18	27	4 00	10	14	12	Aspern E 6507/N 65945
26 21	2	2 66	7	0	1 1	
26 22	16	3 82	7	9	10	
26 27	2	3 13	9	0	5	
26 28	2	3 19	3	8	9	
26 30	2	2 23	3	5	0	
26 33	2	3 61	0	0	5	
26 34	2	3 25	3	9	0	
11 04	17	2 54	0	10	8	
11 05	24	2 35	20	0	0	
11 08	22	1 99	20	0	0	
11 17	582	873	171	10	4	Aspern E 6491/N 65694
11 20	24	2 26	50	10	30	
11 21	79	3 16	70	8	4	
11 23	3	2 26	3	0	0	
11 24	6	3 05	3	8	0	
11 26	6	2 02	3	10	0	
11 31	39	2 82	6	10	11	
11 34	3	2 40	23	0	0	
11 36	3	2 29	6	8	4	
11 37	14	2 07	6	0	9	
11 41	14	1 15	33	0	9	
11 43	21	1 25	33	0	8	
11 49	4	1 71	10	0	8	
11 50	1	1 66	3	3	0	
11 55	19	2 61	16	0	0	
11 60	6	78	6	3	8	
11 61	59	1 77	106	20	1020	
11 64	6	87	26	0	0	
11 66	7	56	3	3	4	
11 67	37	69	10	8	8	
11 76	24	48	6		4	
11 80	19	53	20	14	5	
11 84	67	6 82	30	19	36	Aspern E 6420/N 65619
11 85	23	1 14	47	8	64	
11 90	27	85	54	4	23	
17 01	21	2 44	168	18	12	
17 09	1	95	5	4	0	
17 25	11	1 14	17	12	4	
17 27	6	70	5	8	1	
17 30	14	100	7	16	8	
17 38	7	100	7	10	4	
17 39	7	41	2	9	1	
17 42	9	73	35	8	1	

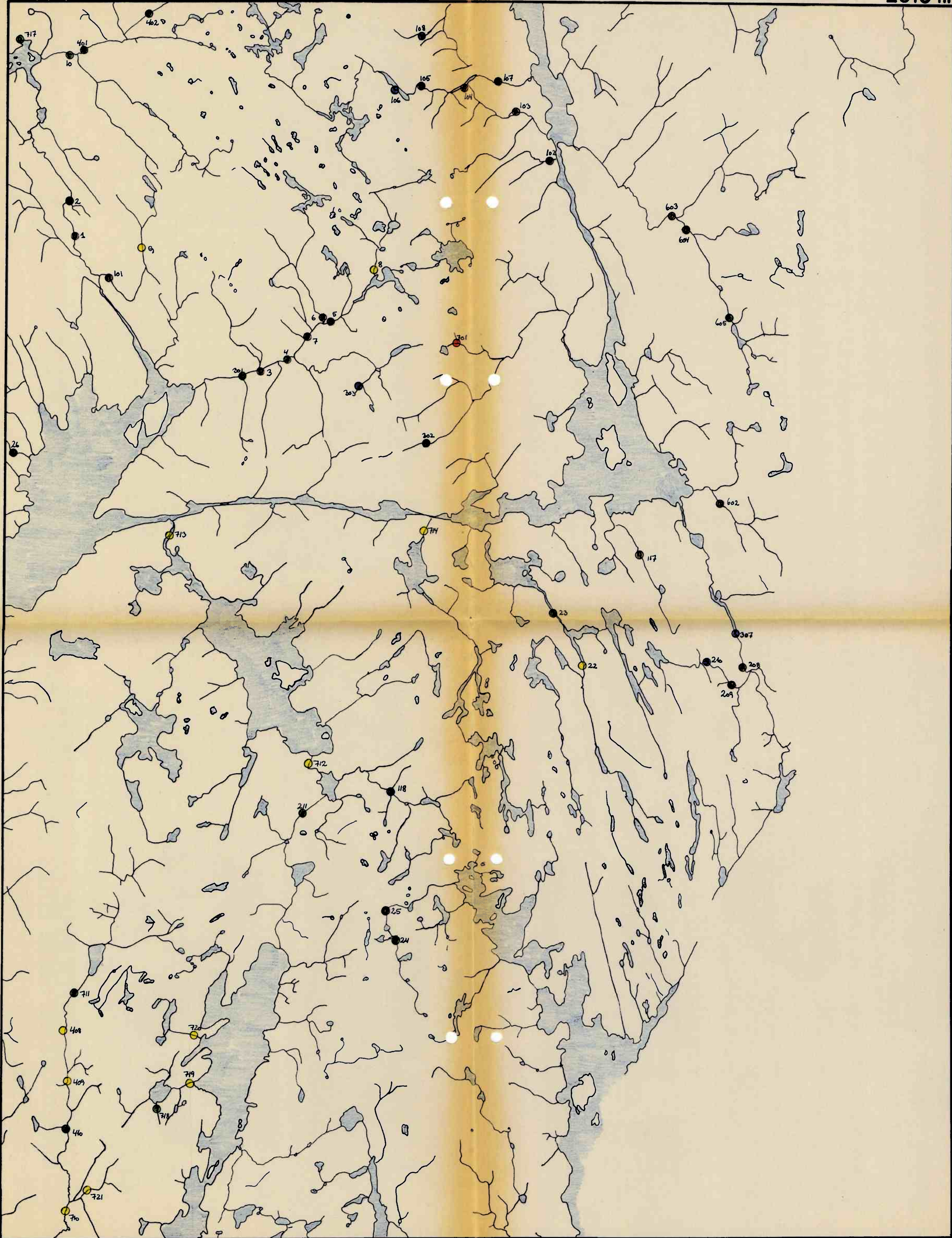


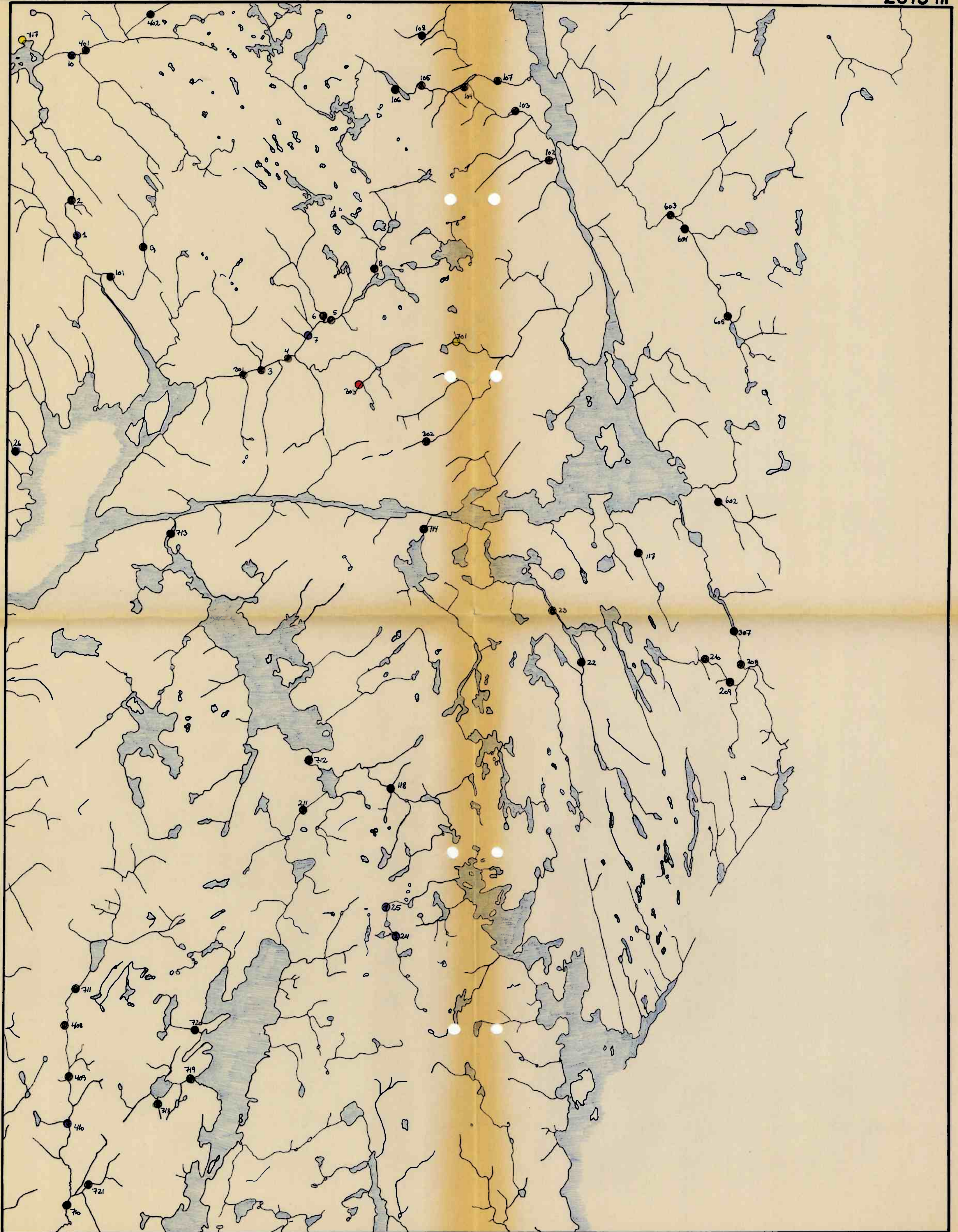


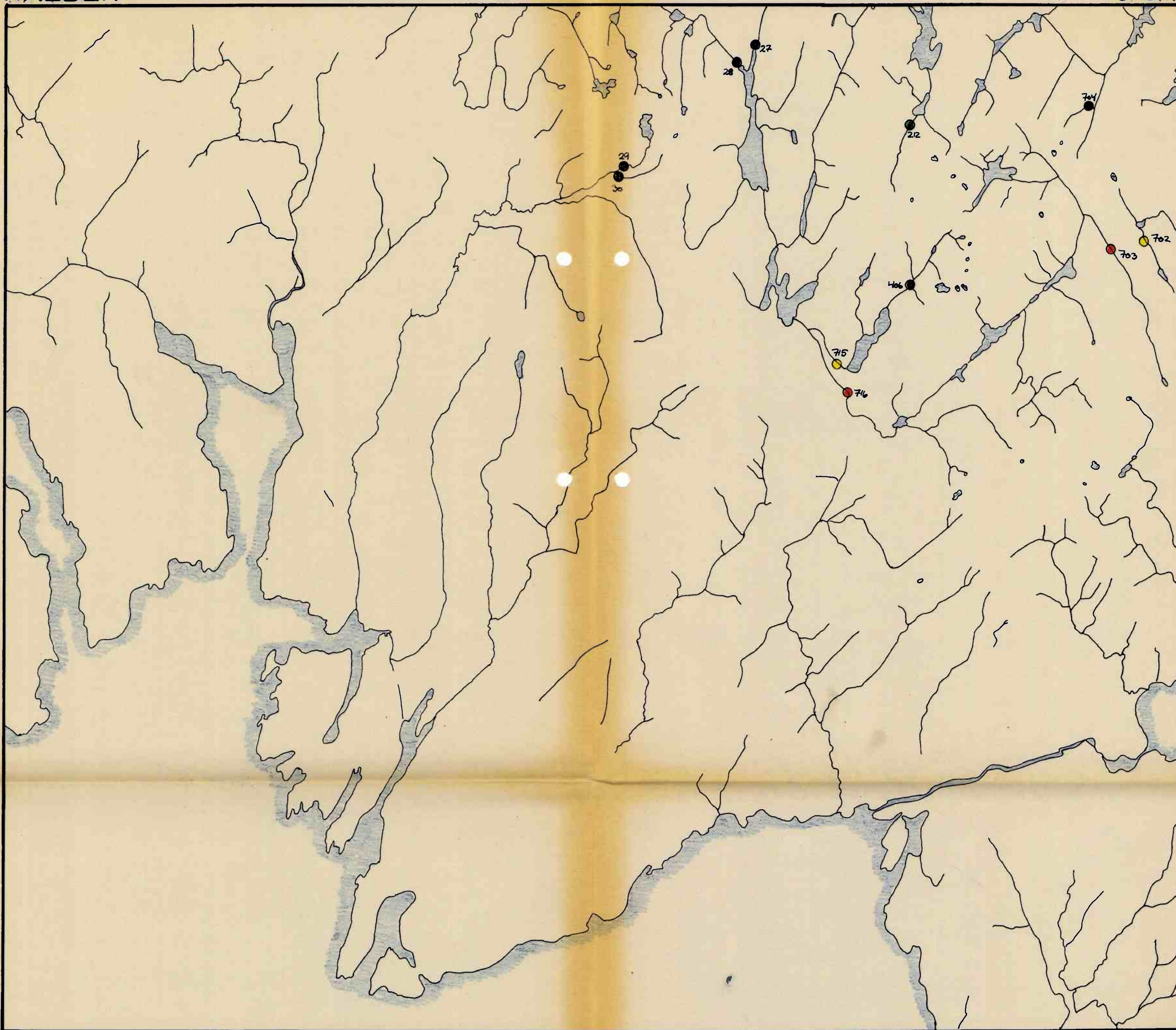


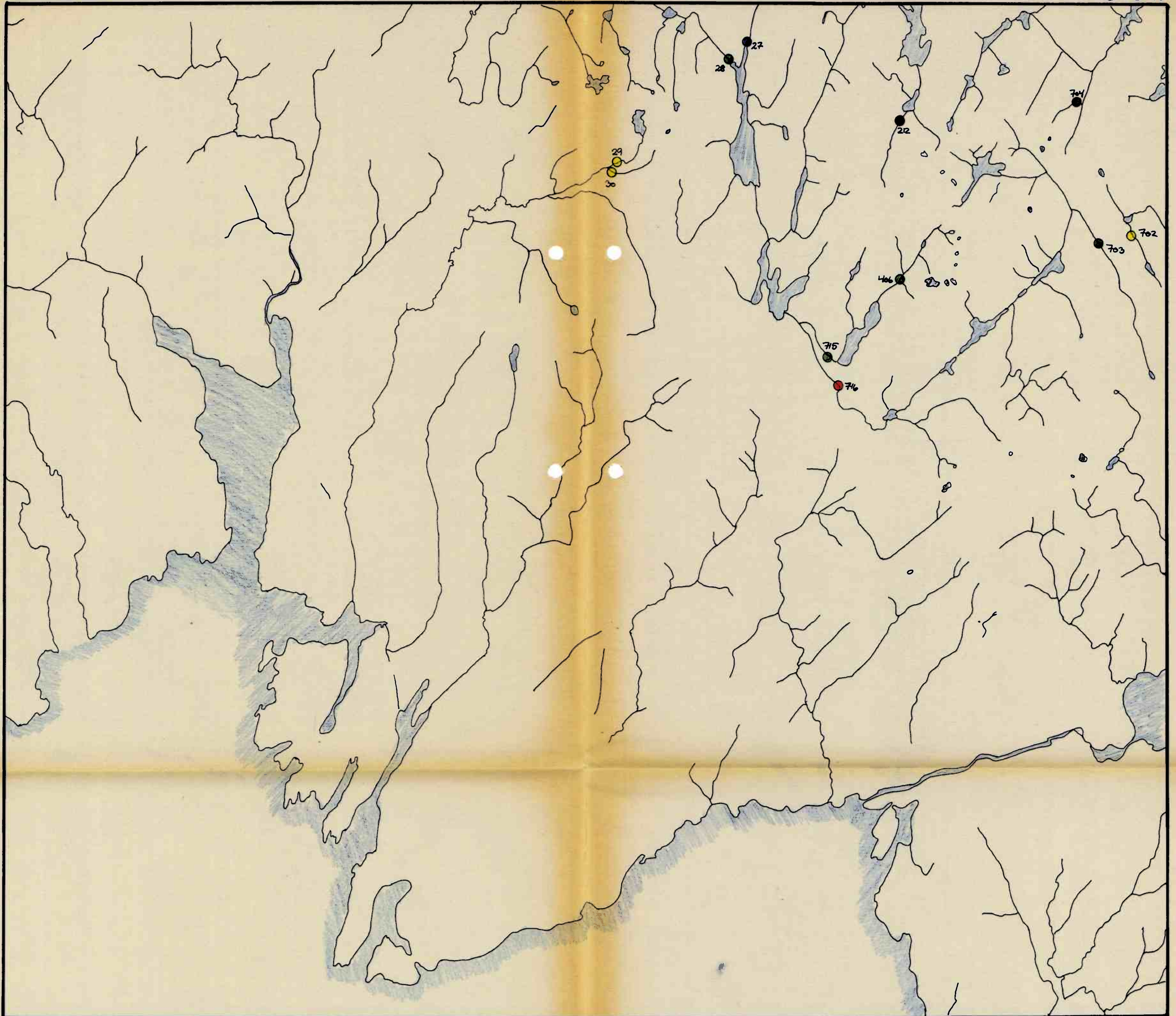


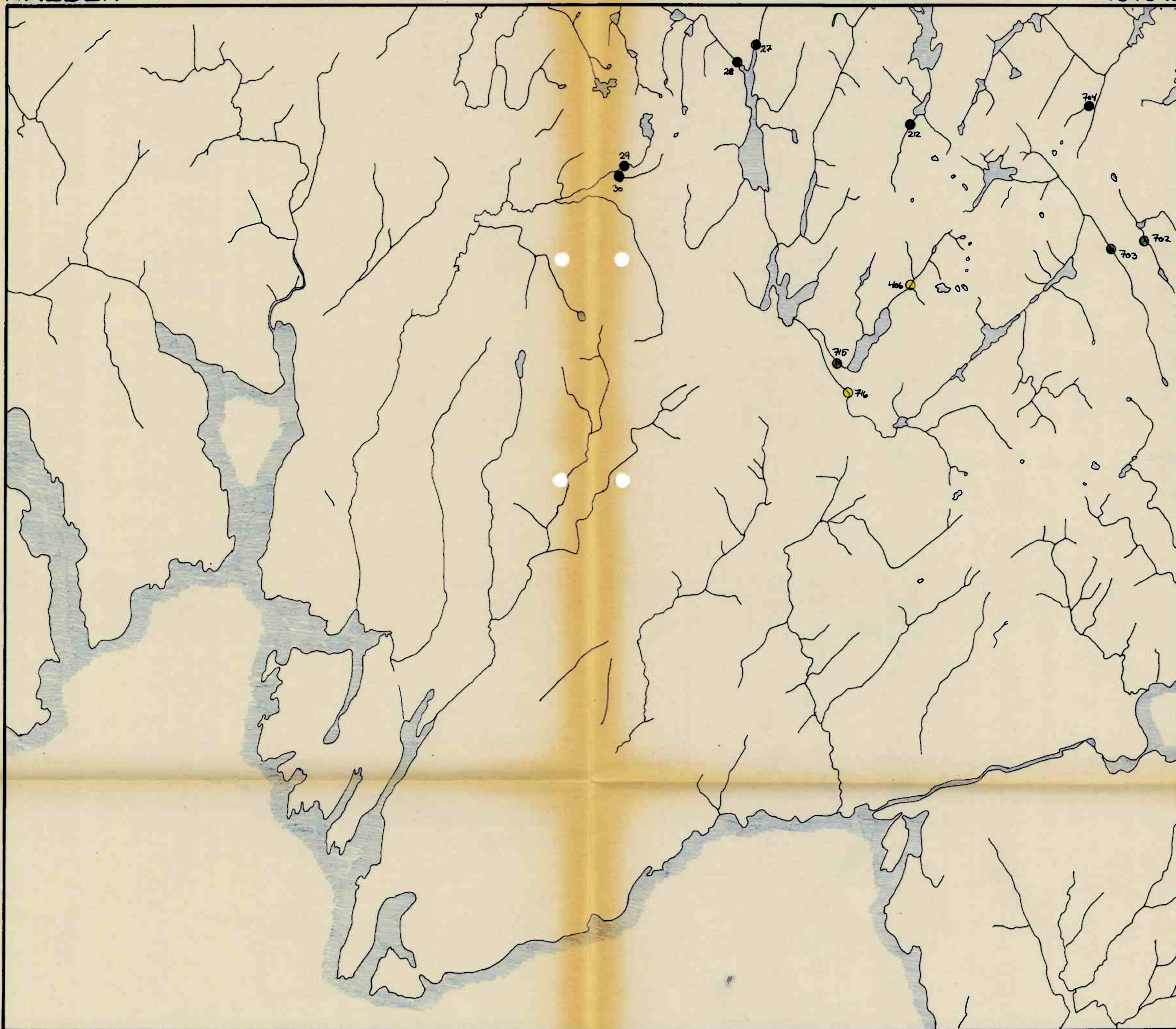


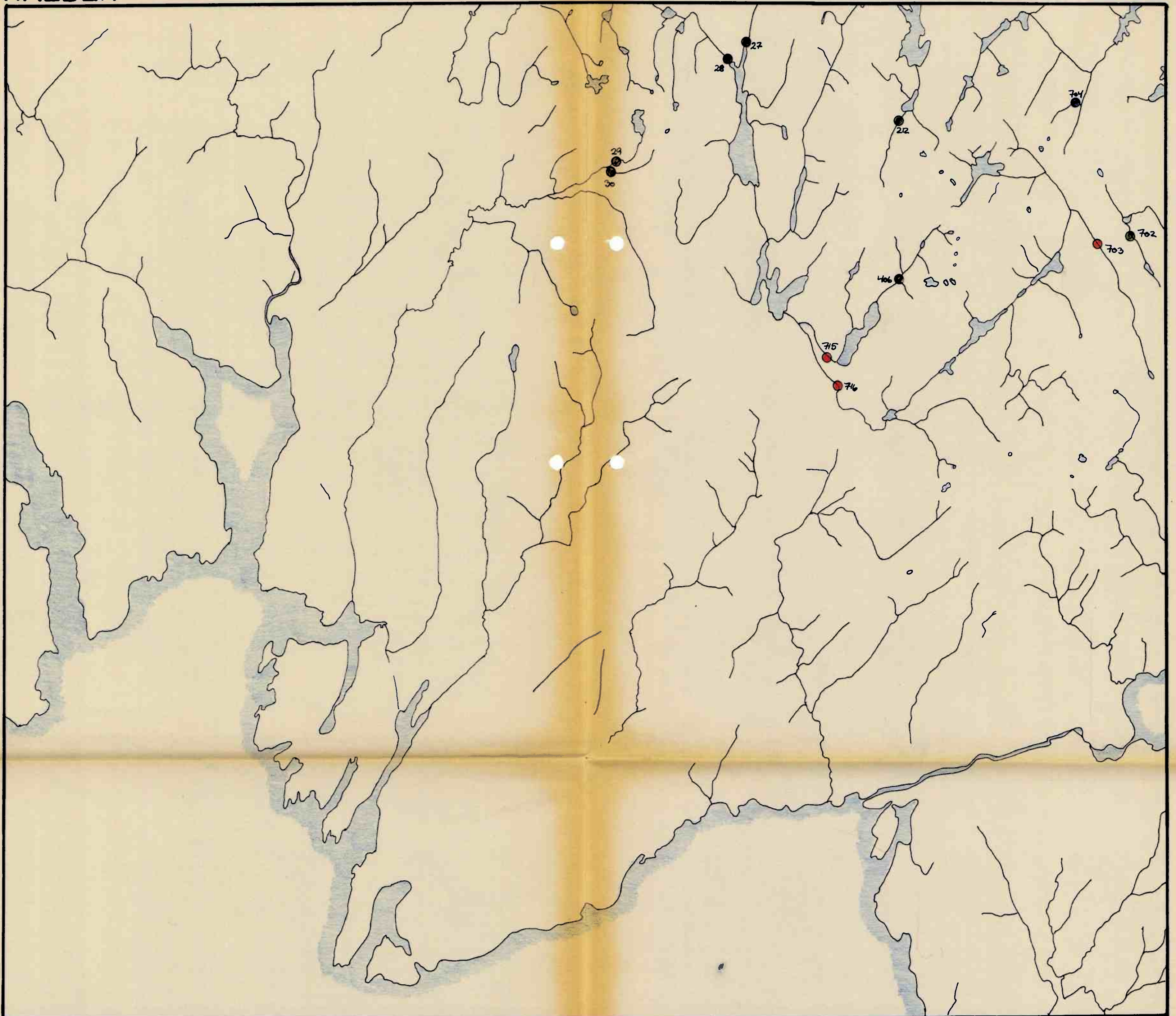












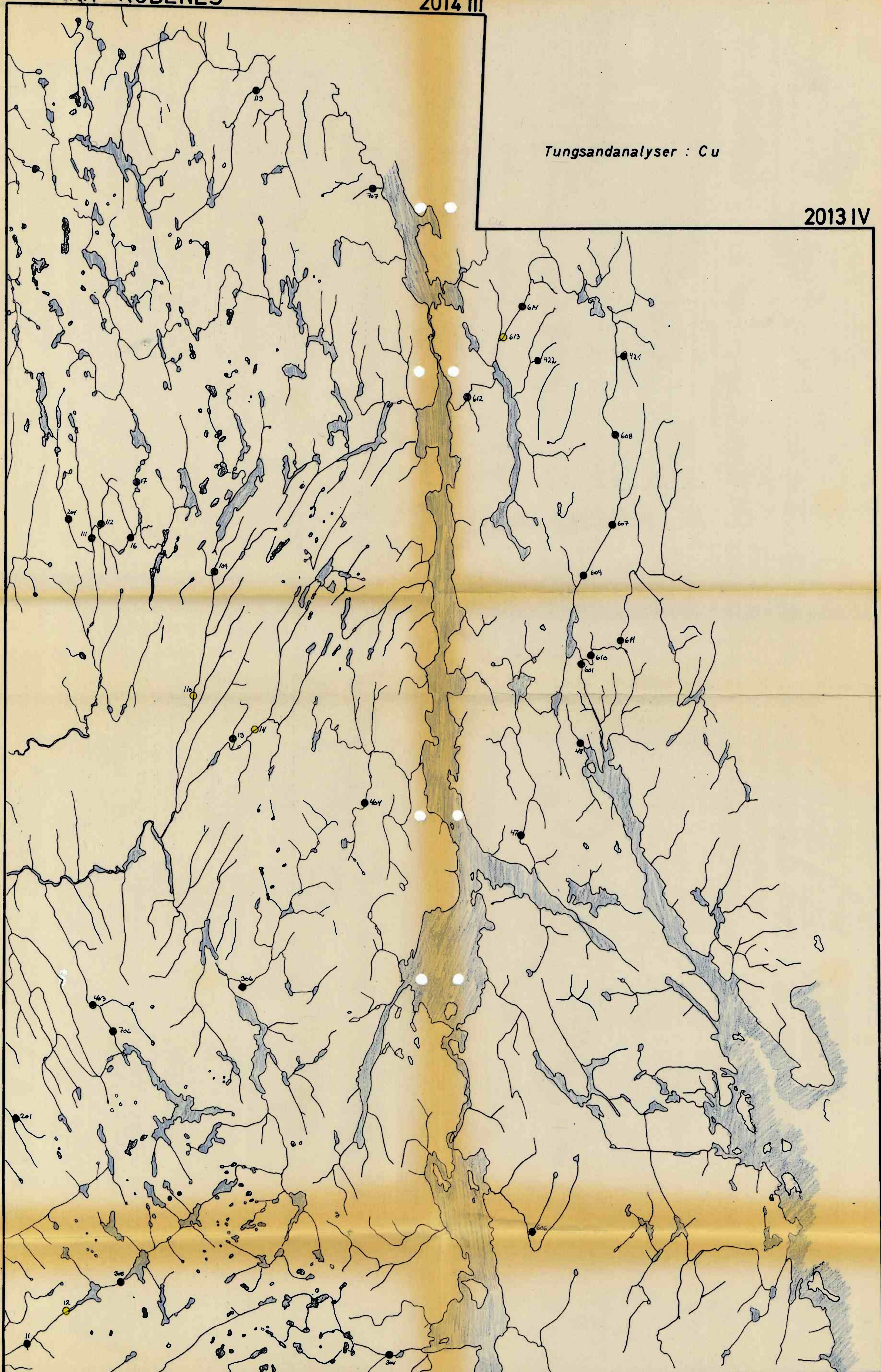
Tungsandanalyser : Mo

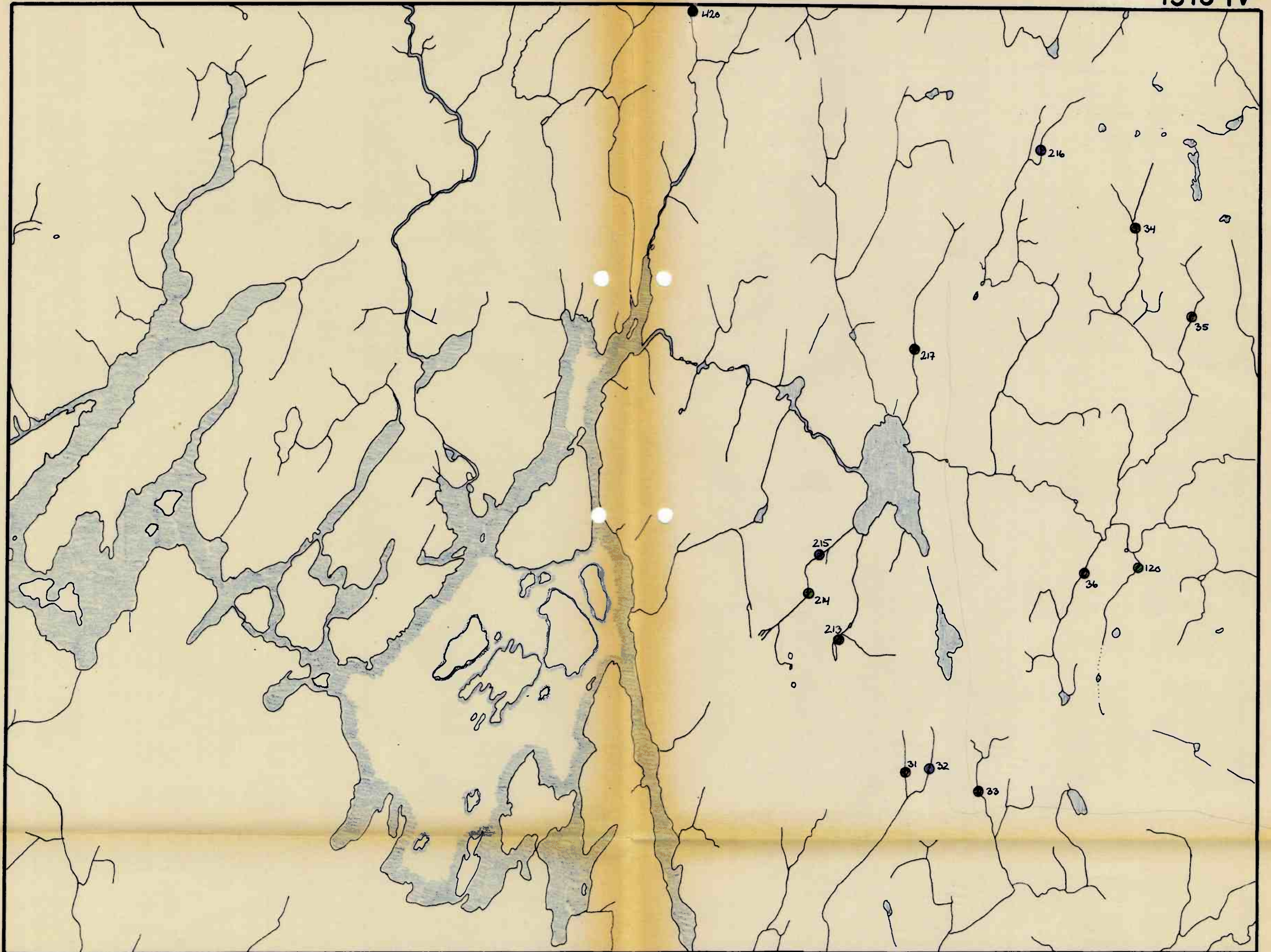
2013 IV

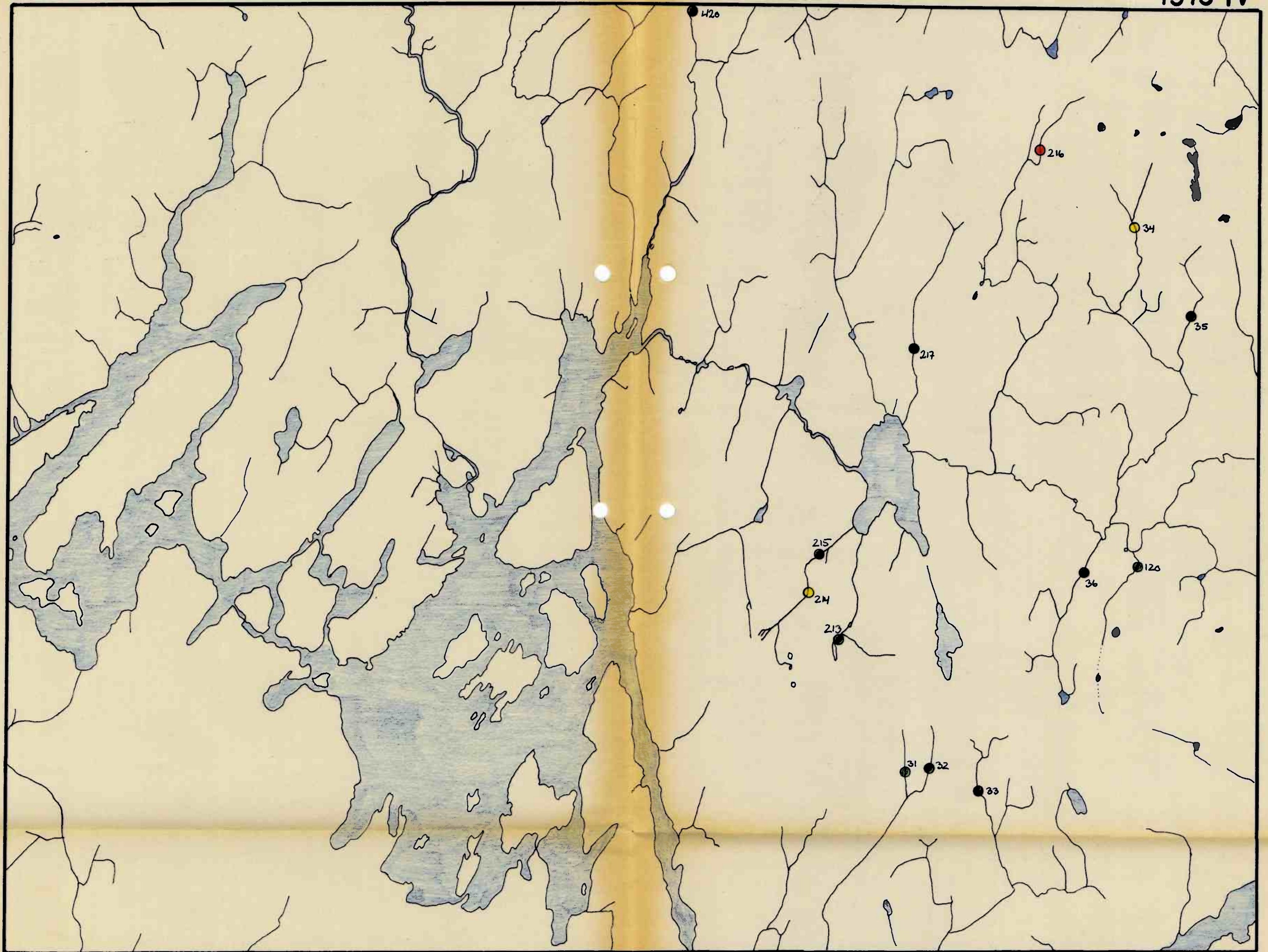


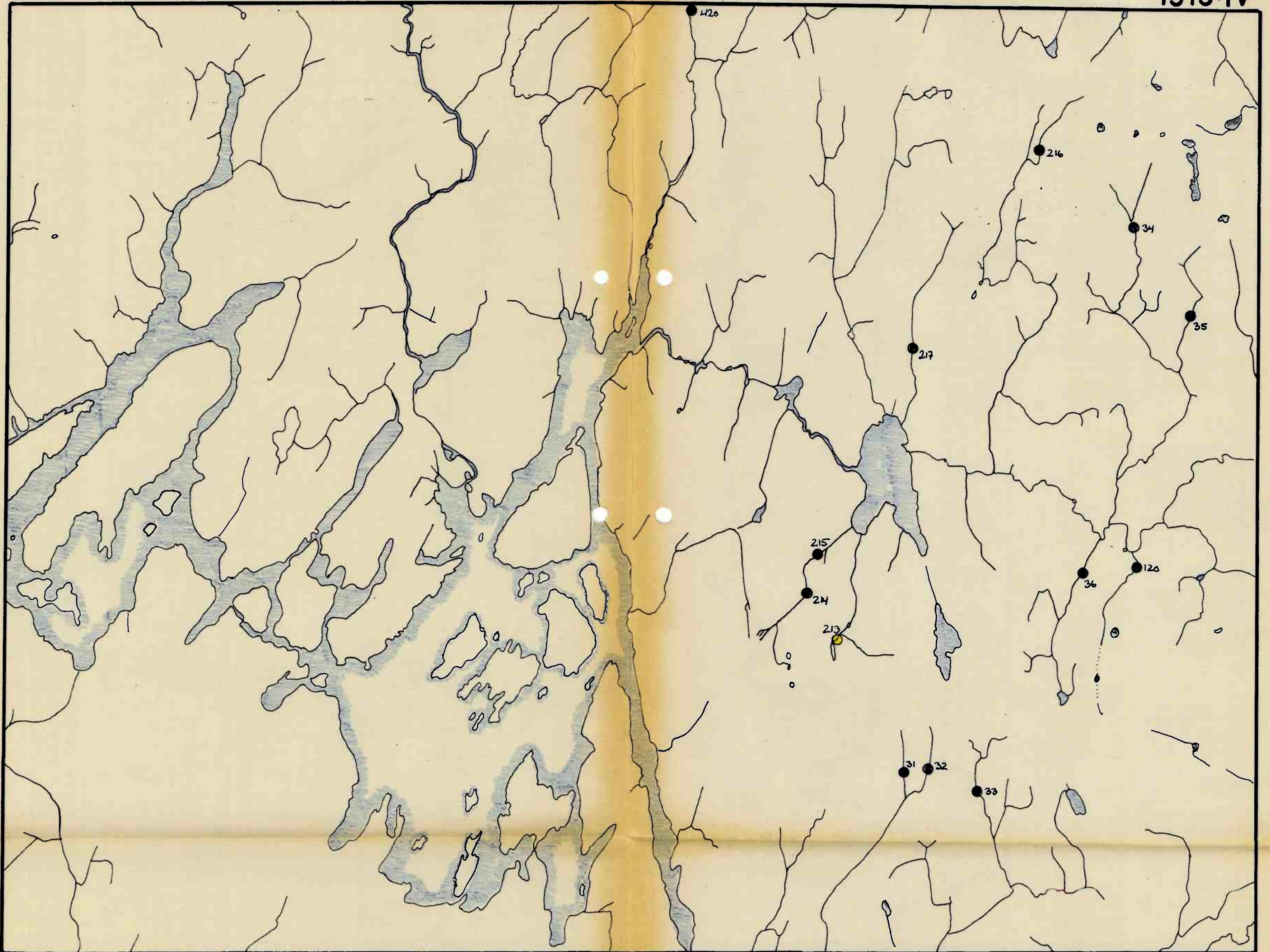
Tungsandanalyser : Cu

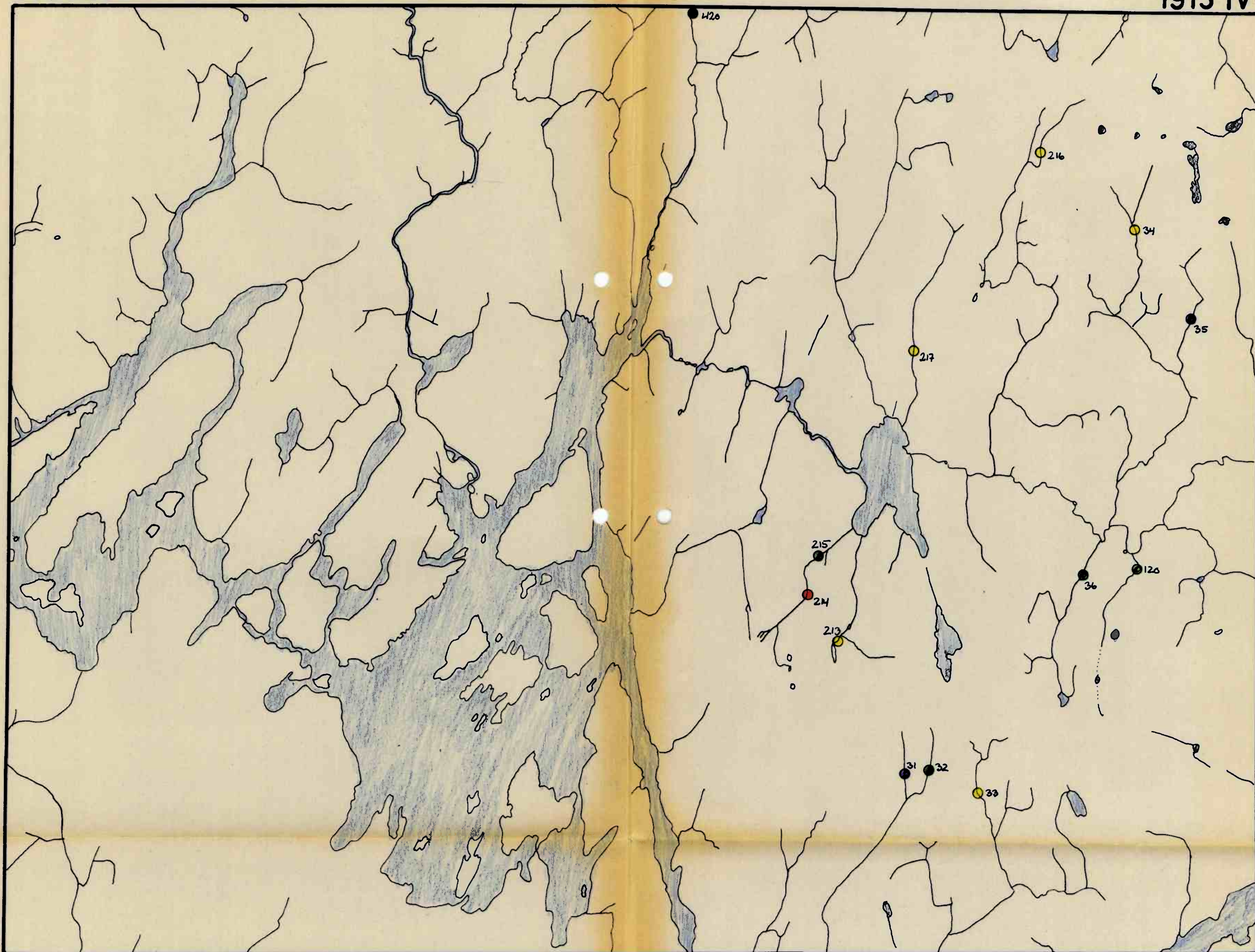
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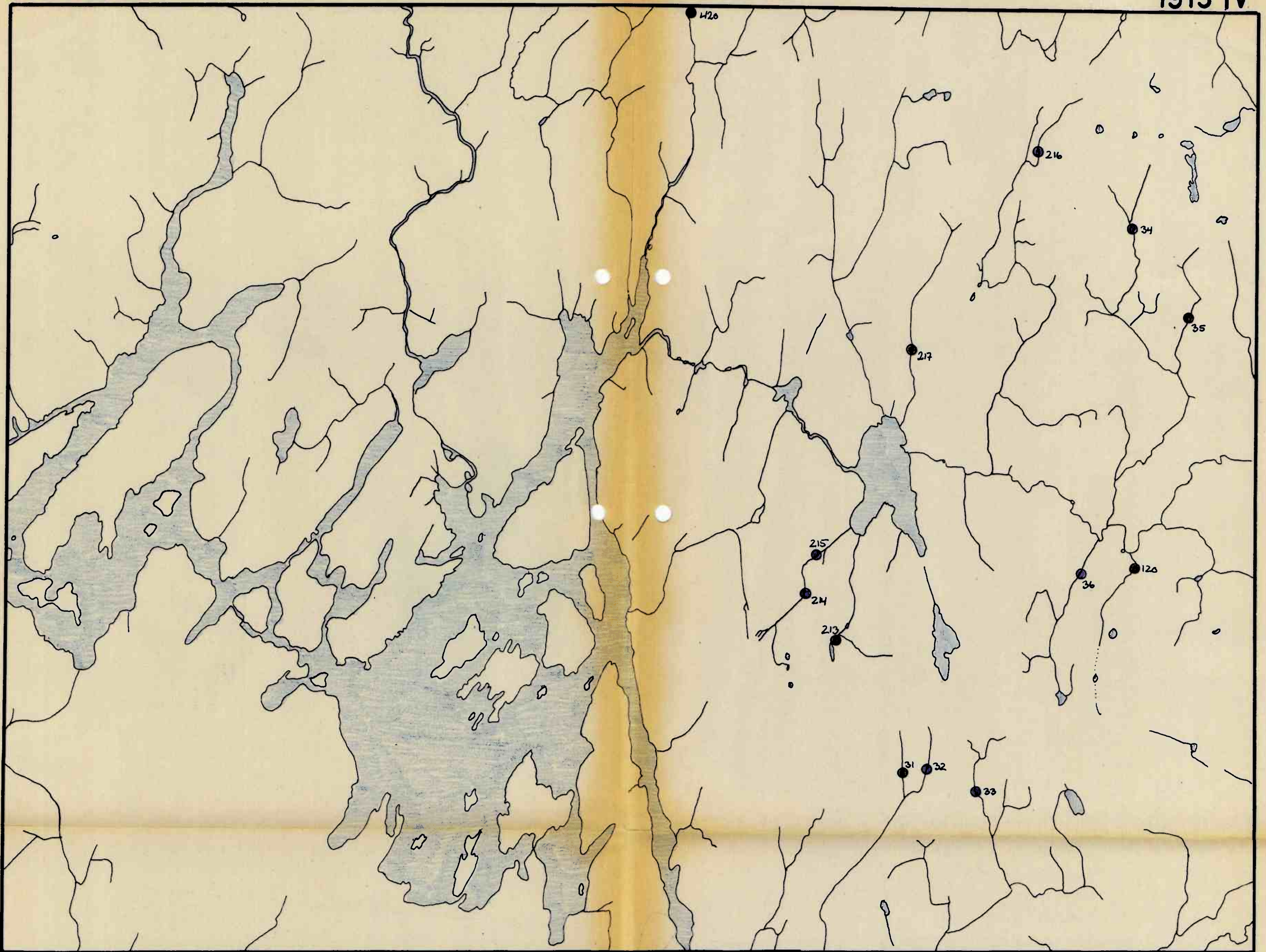


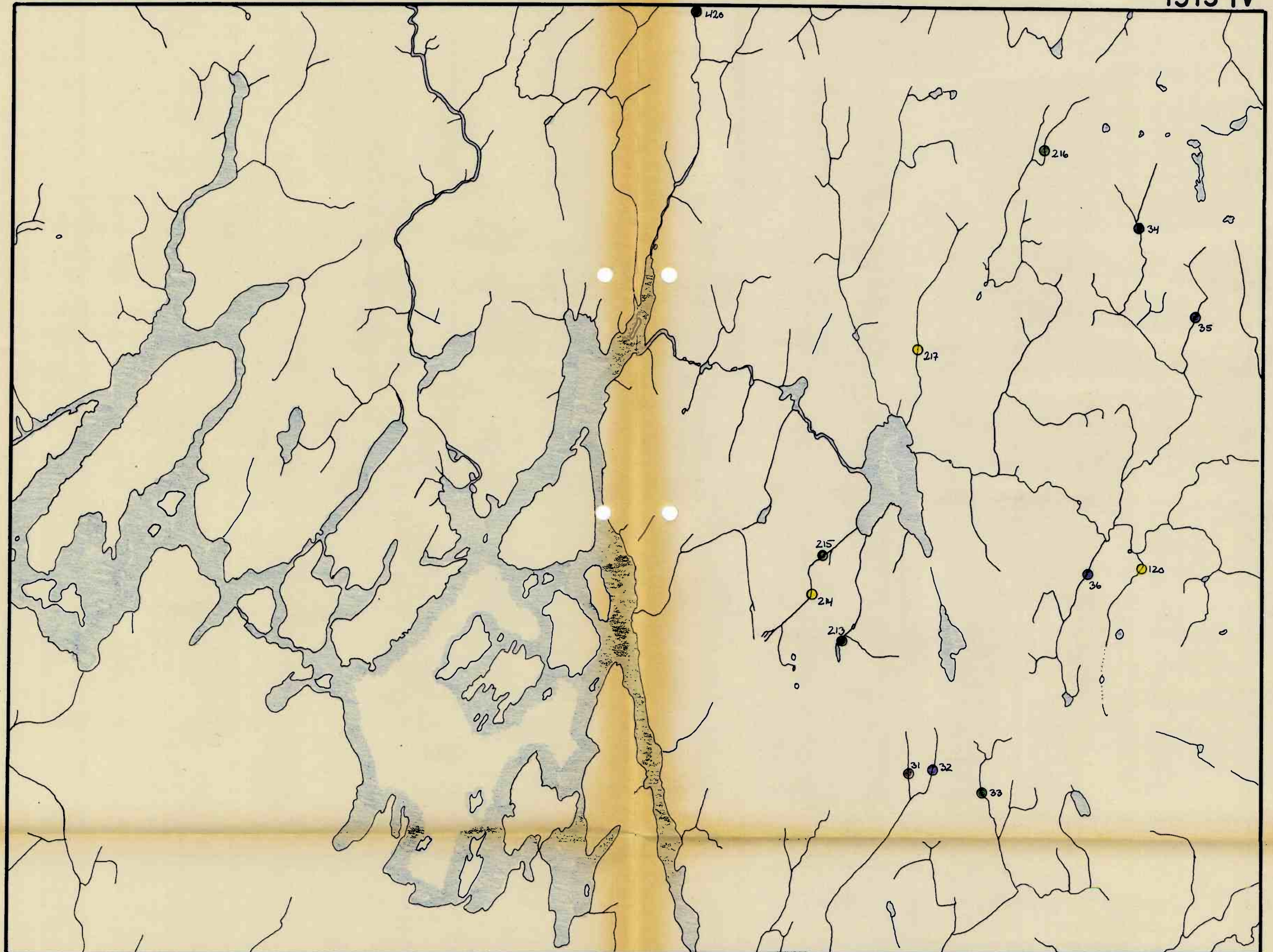








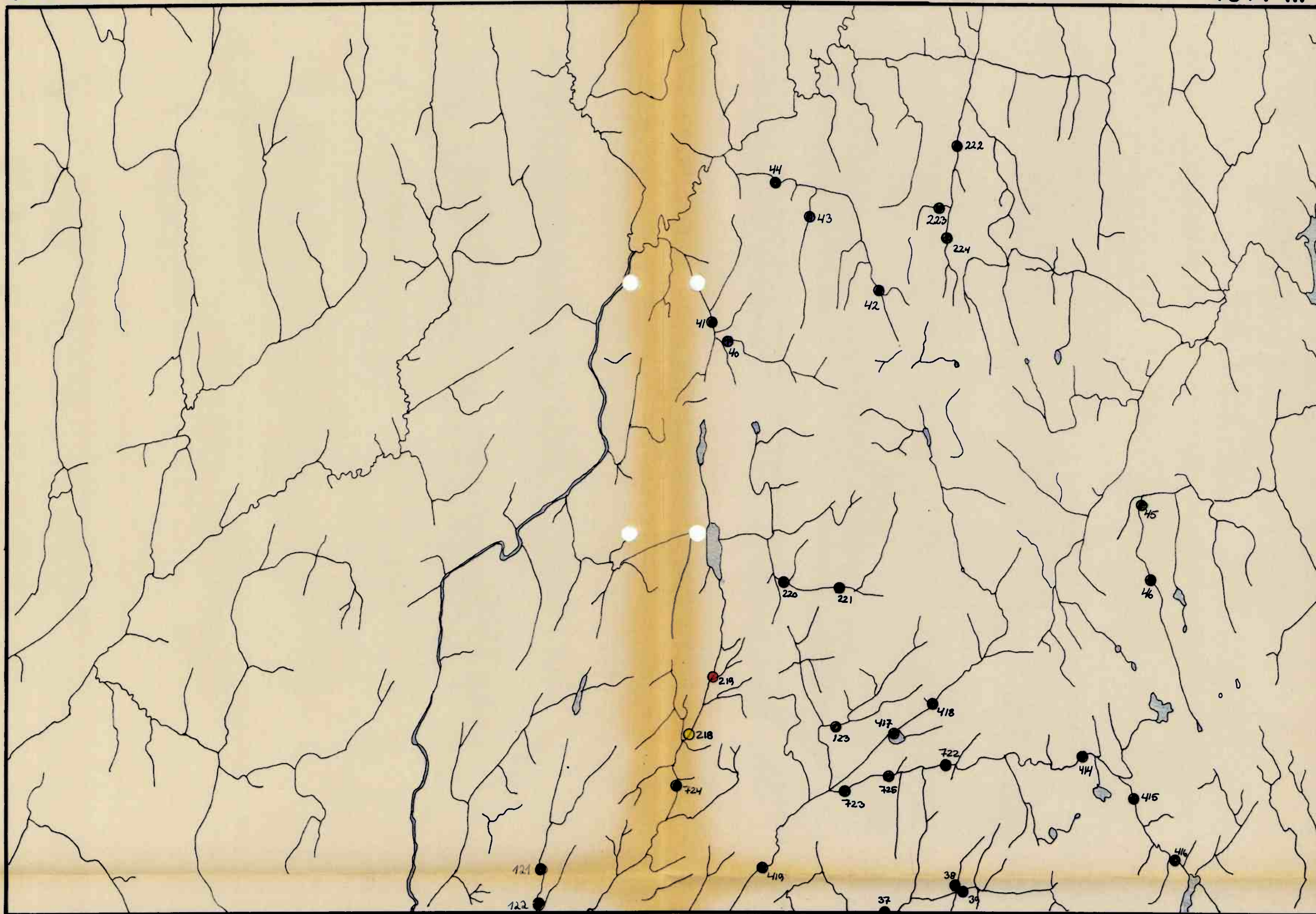




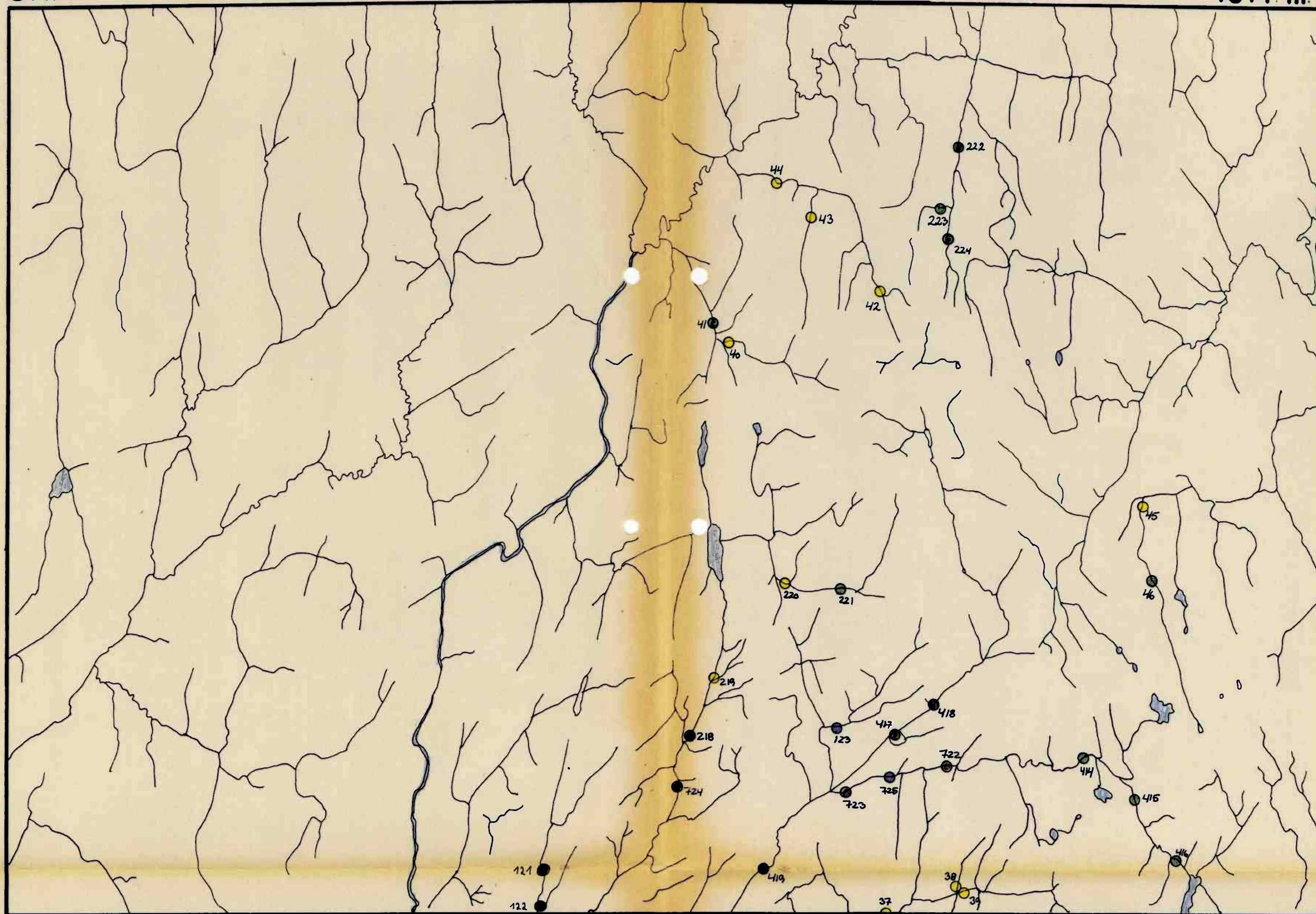
SKI

Tungsandanalyser : Ni

1914 III



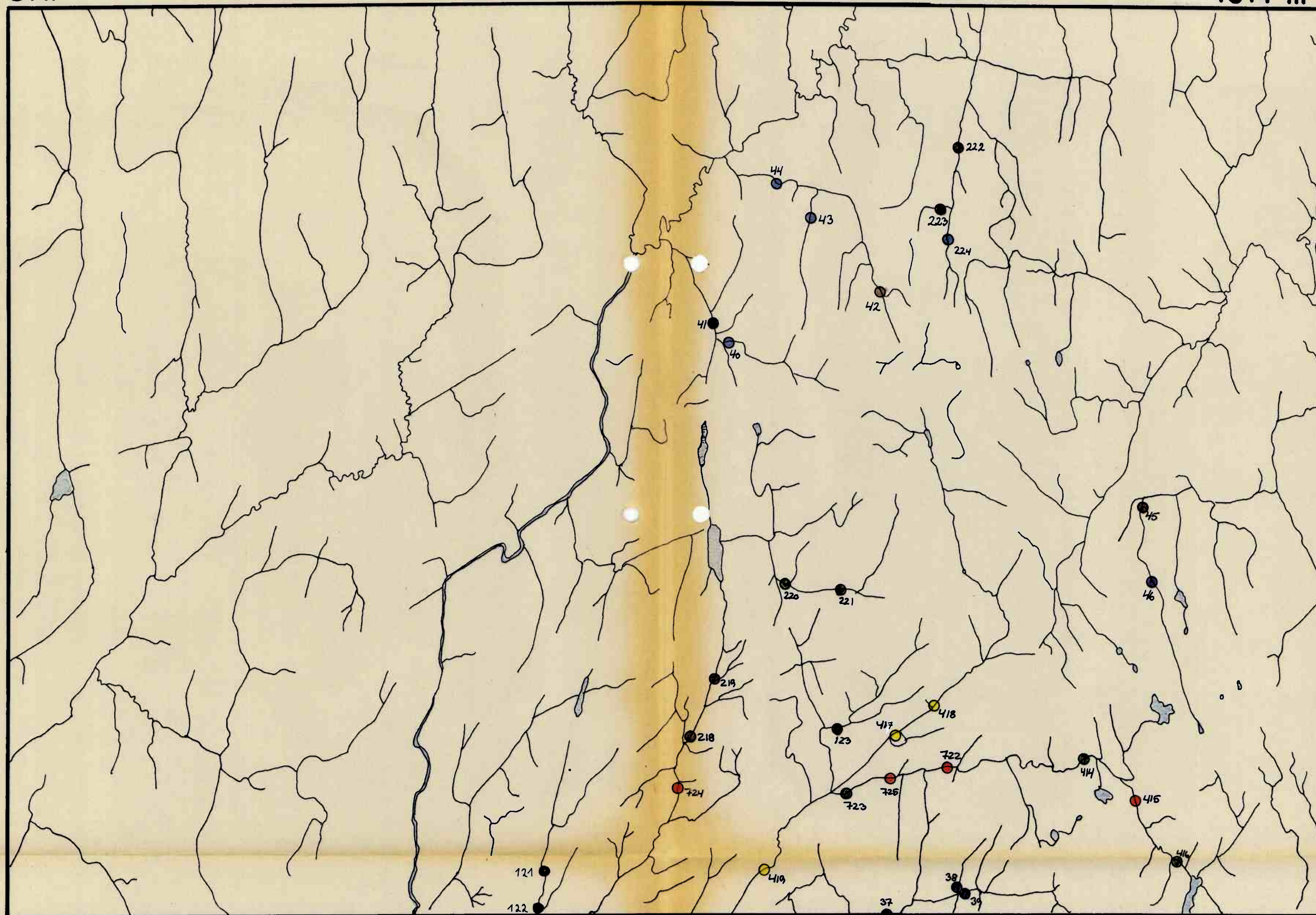
TS



SKI

Tungsandanalyser : Zn

1914 III

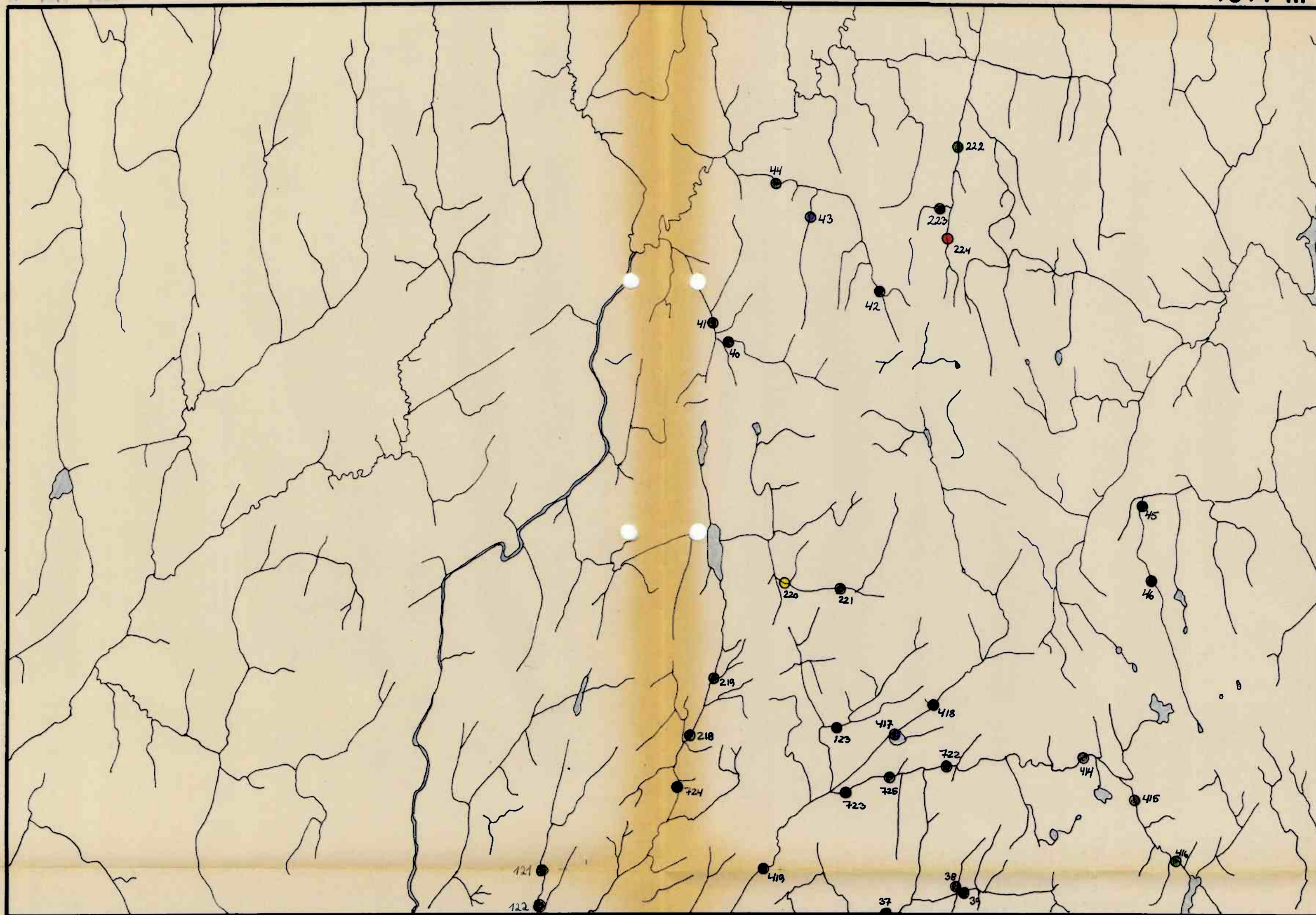


TS

SKI

Tungsandanalyser : Pb

1914 III

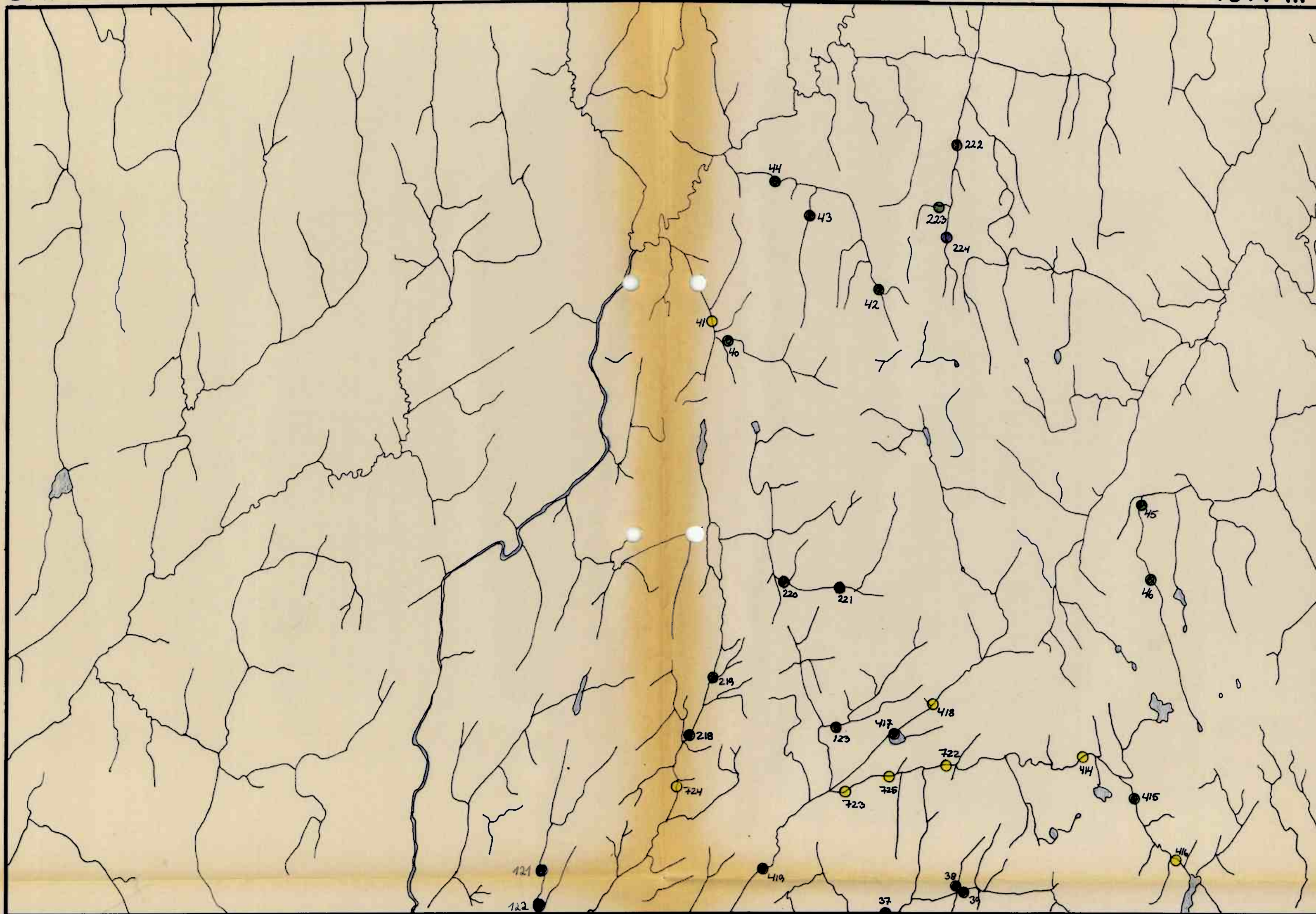


TS

SKI

Tungsandanalyser : W

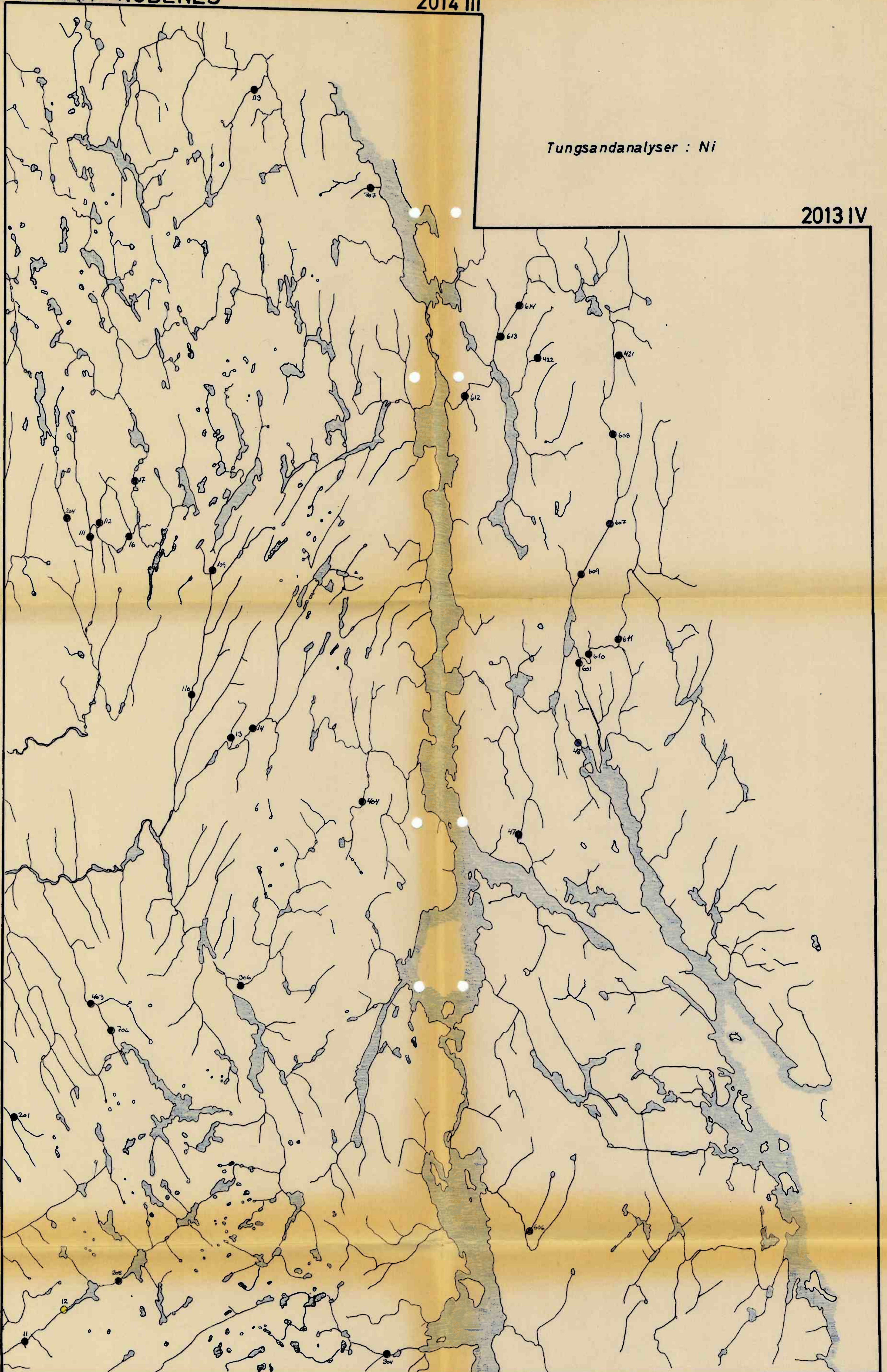
1914 III



TS

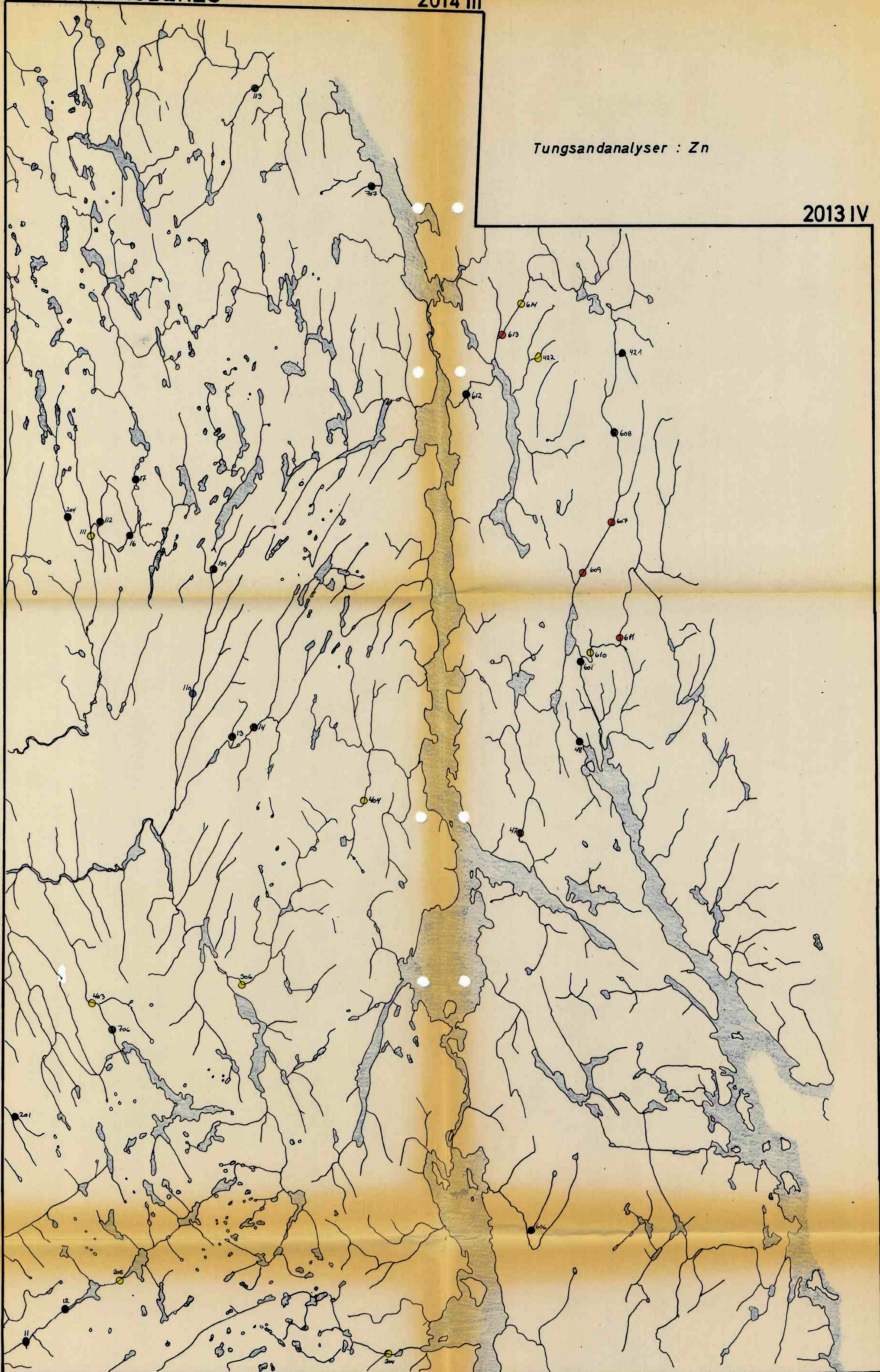
Tungsandanalyser : Ni

2013 IV



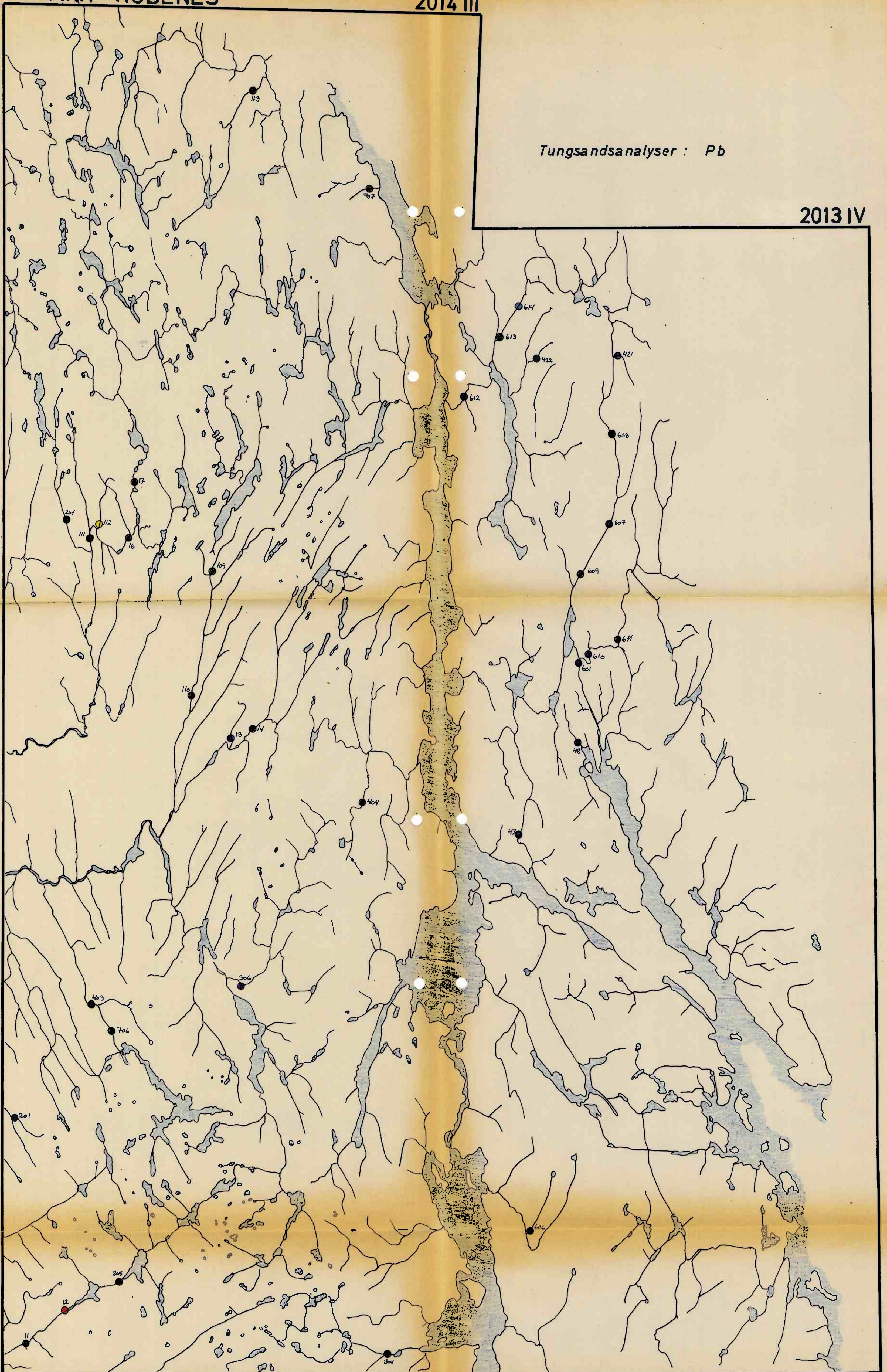
Tungsandanalyser : Zn

2013 IV



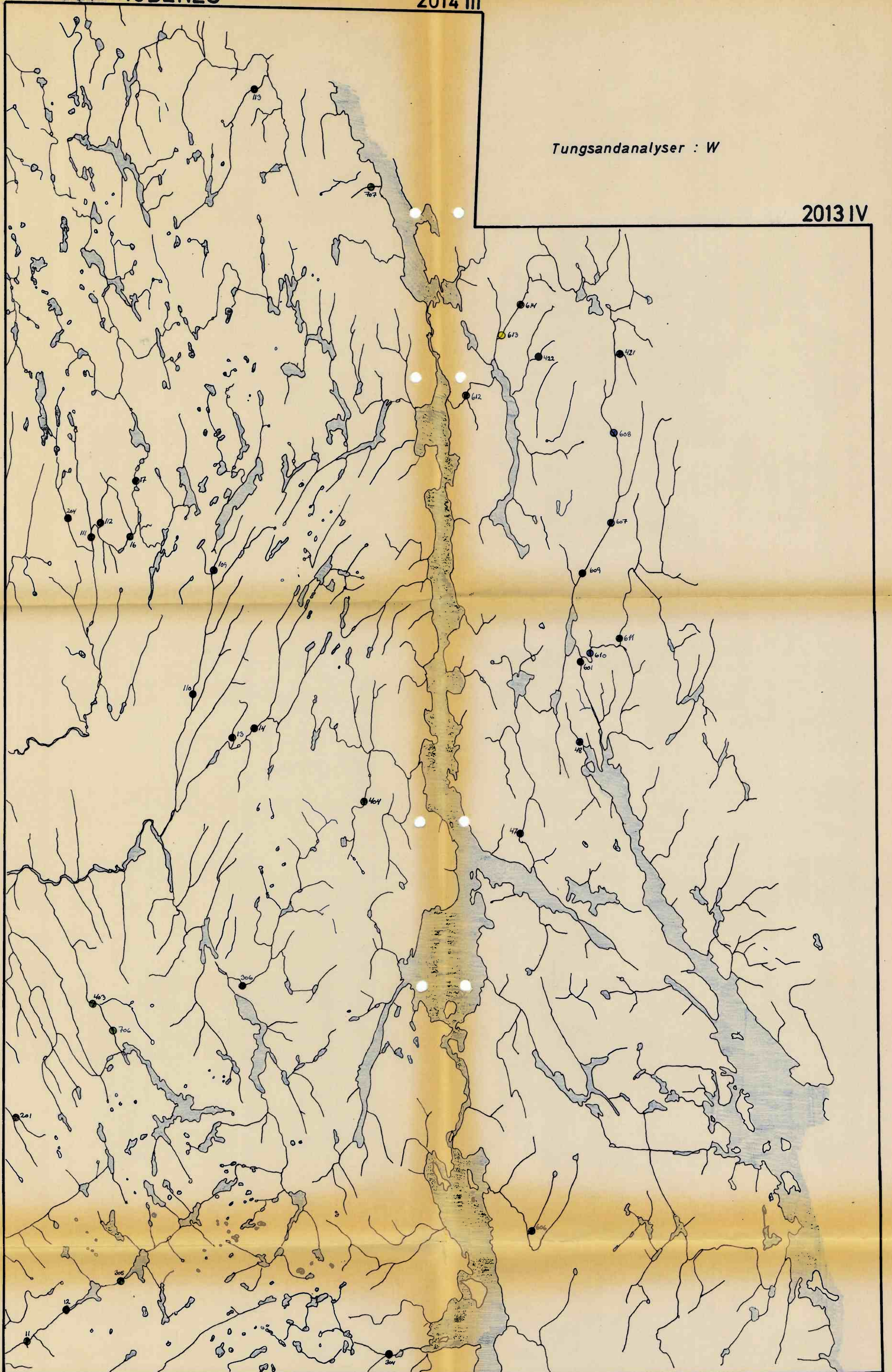
Tungsandsanalyser : Pb

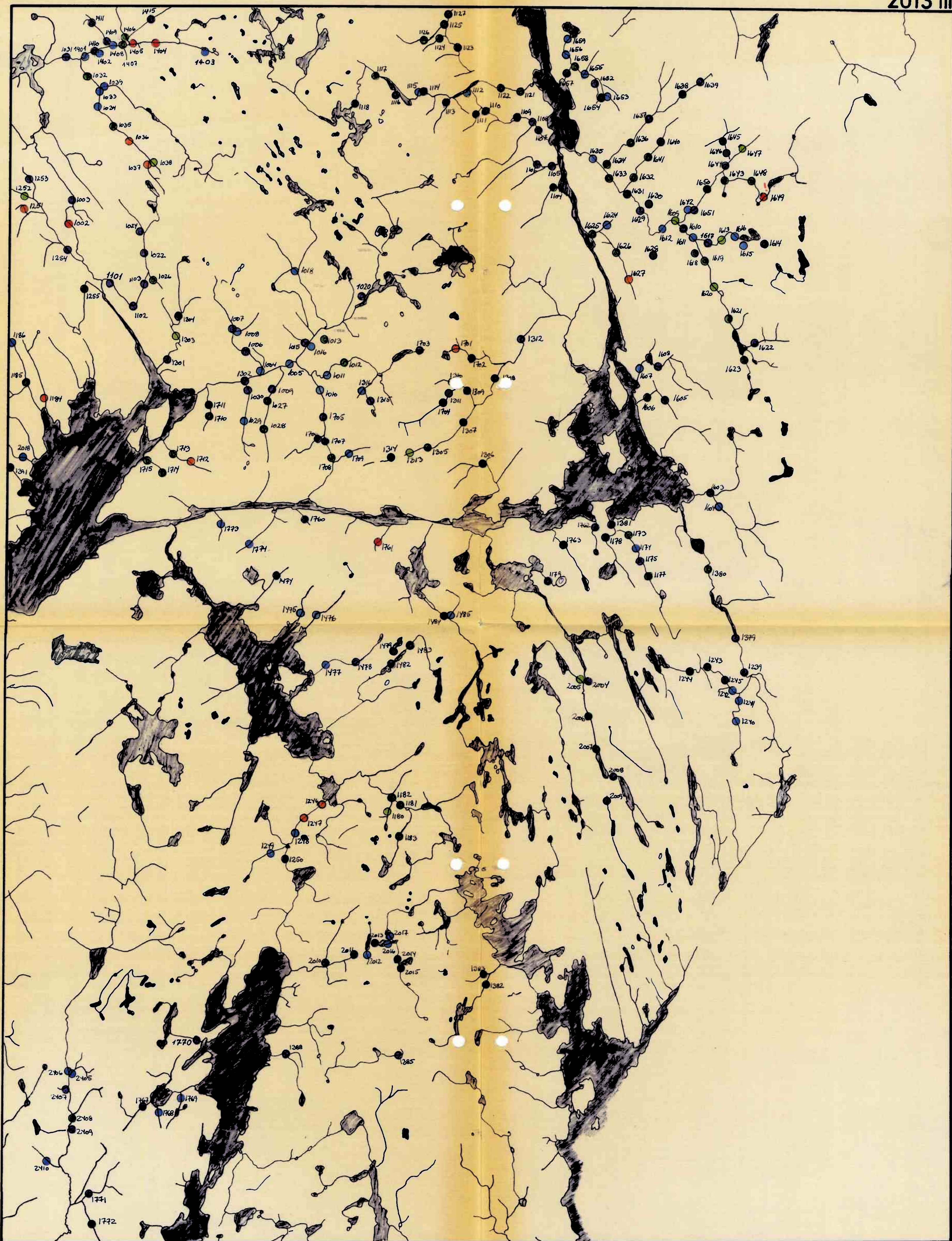
2013 IV

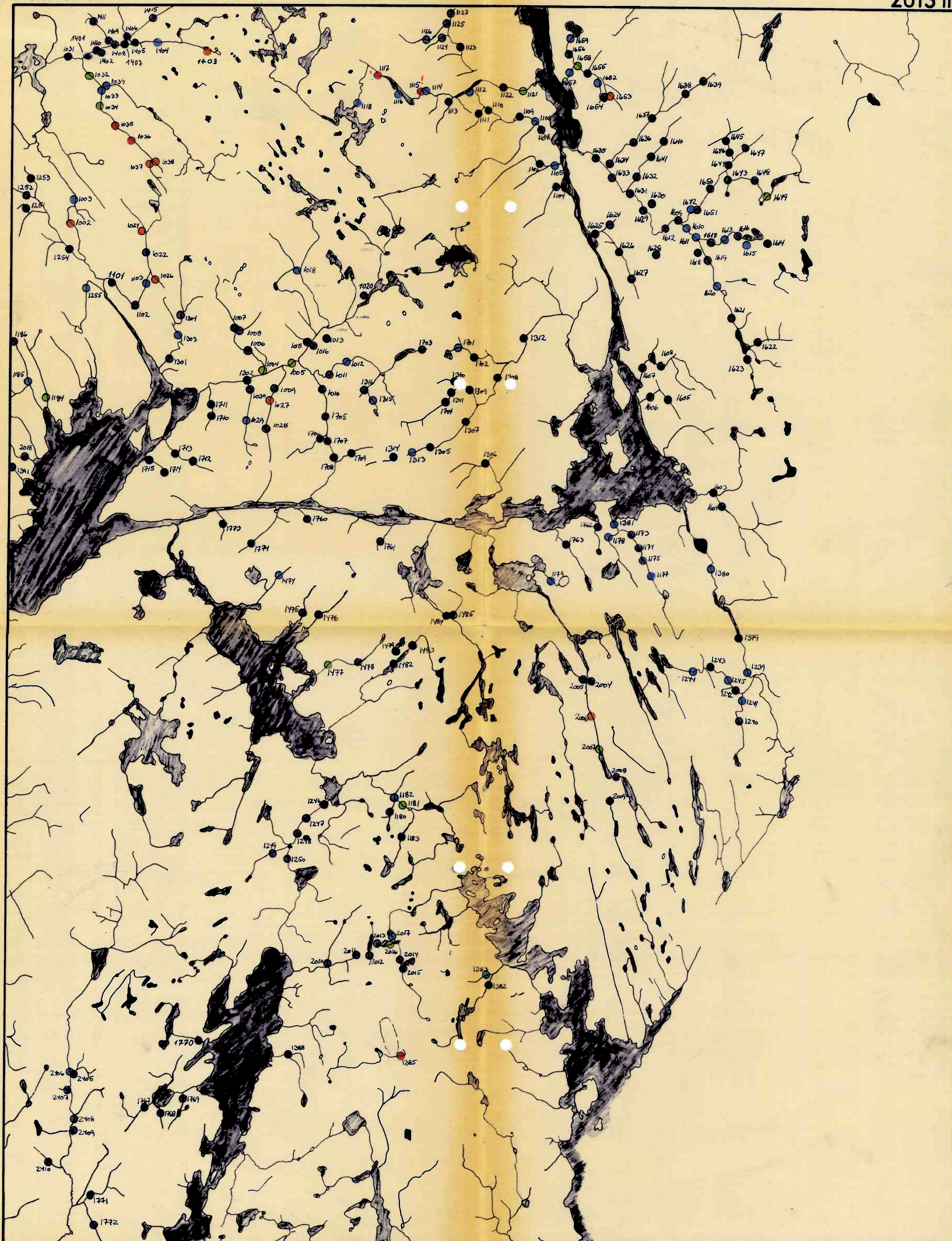


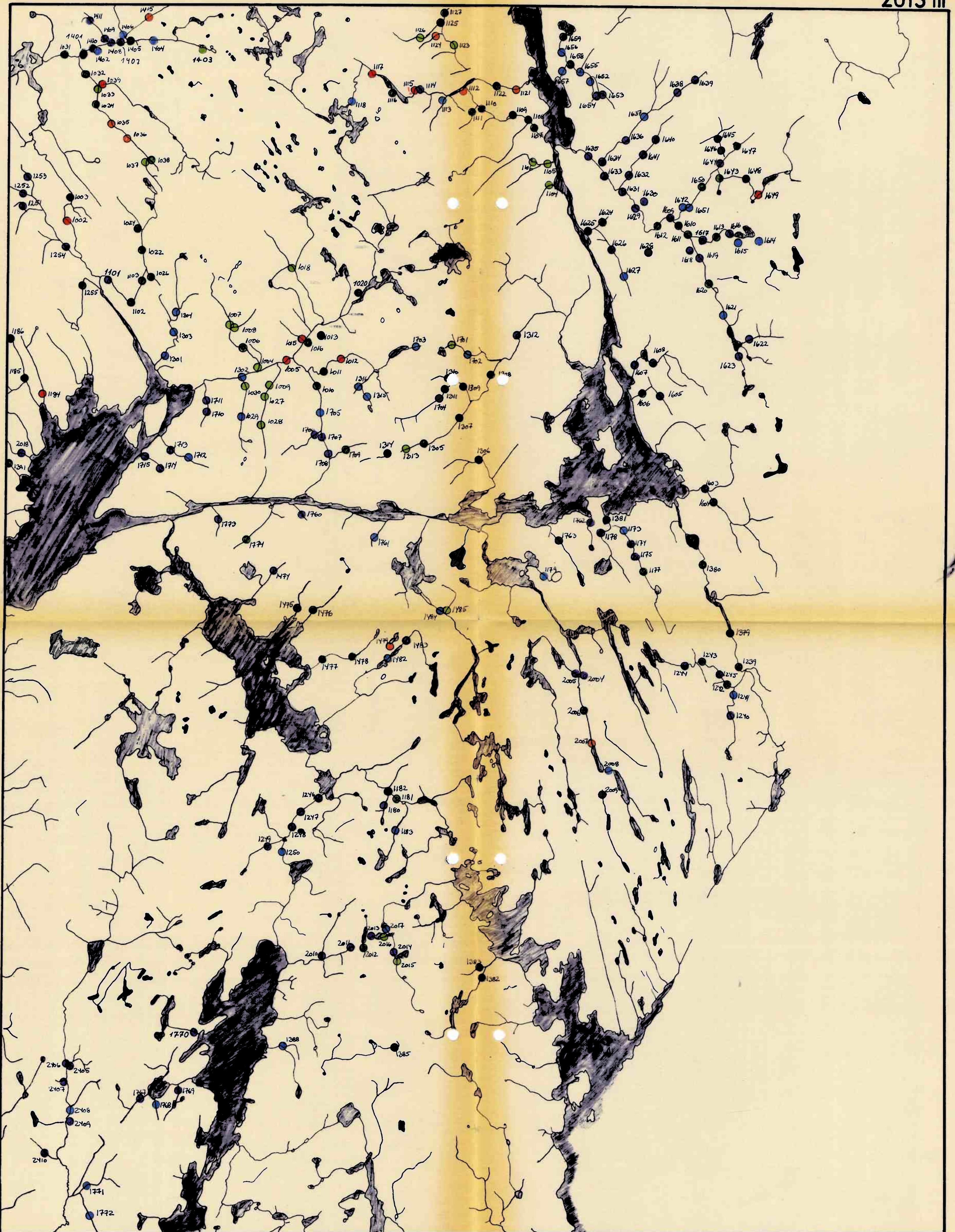
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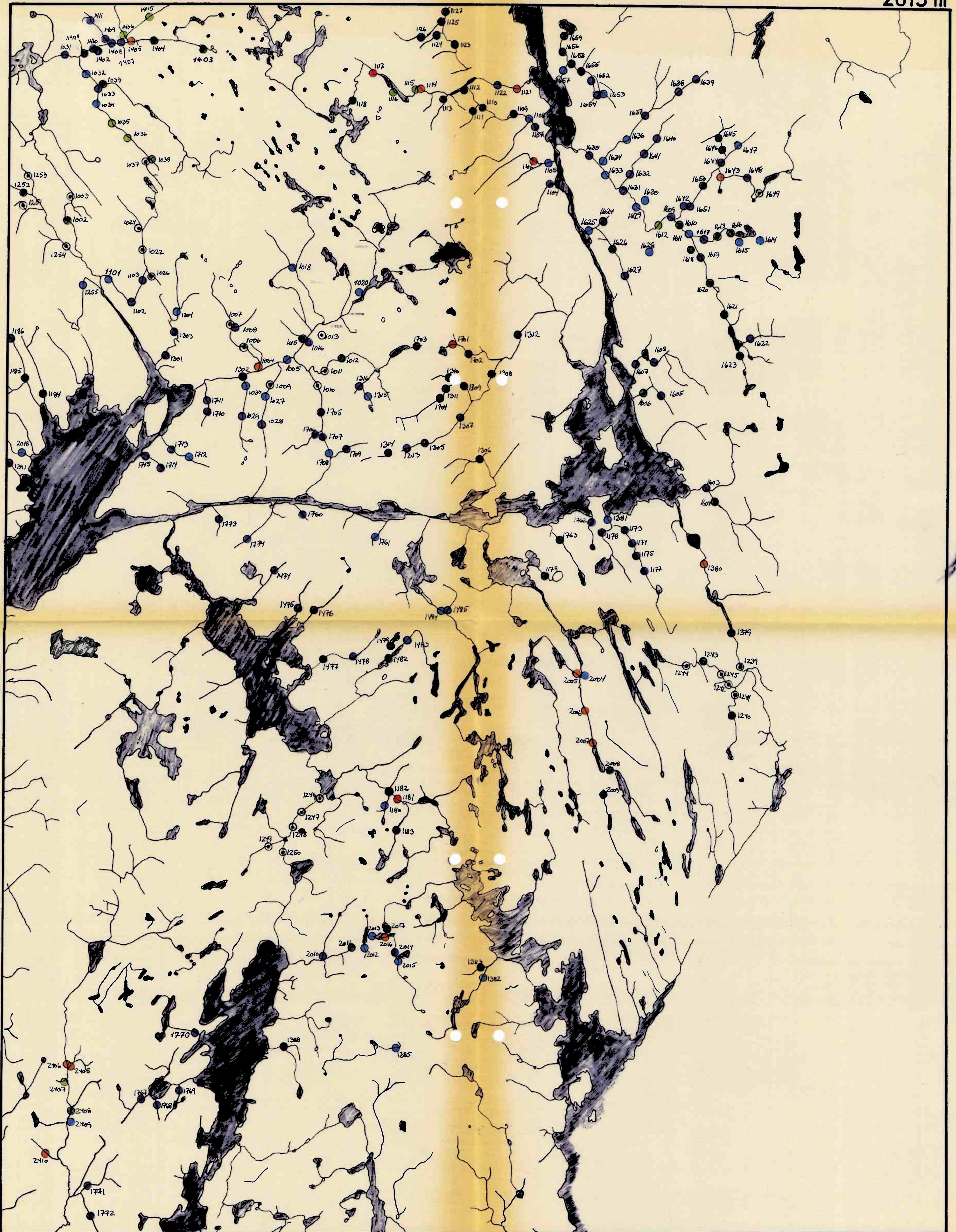
2013 IV

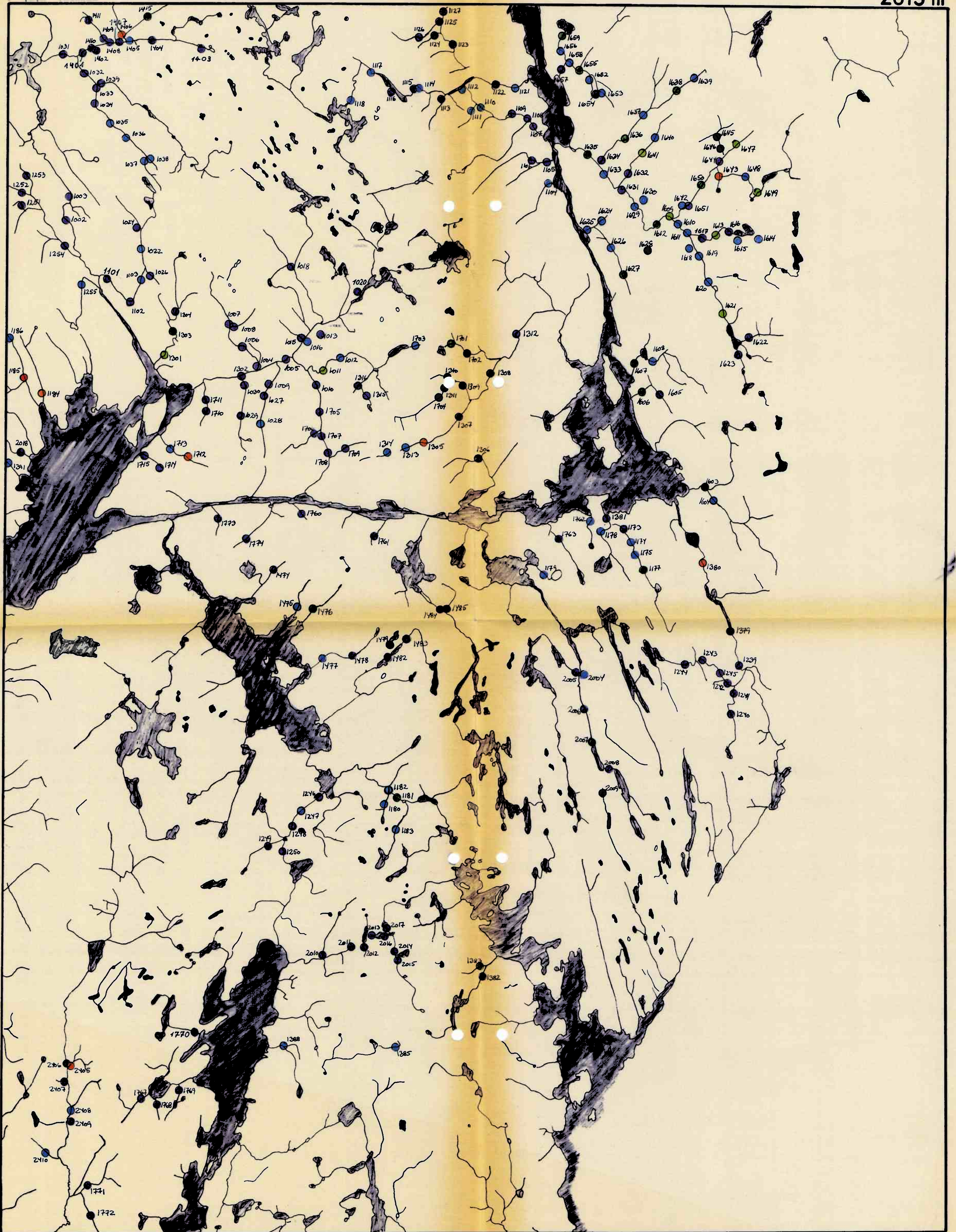


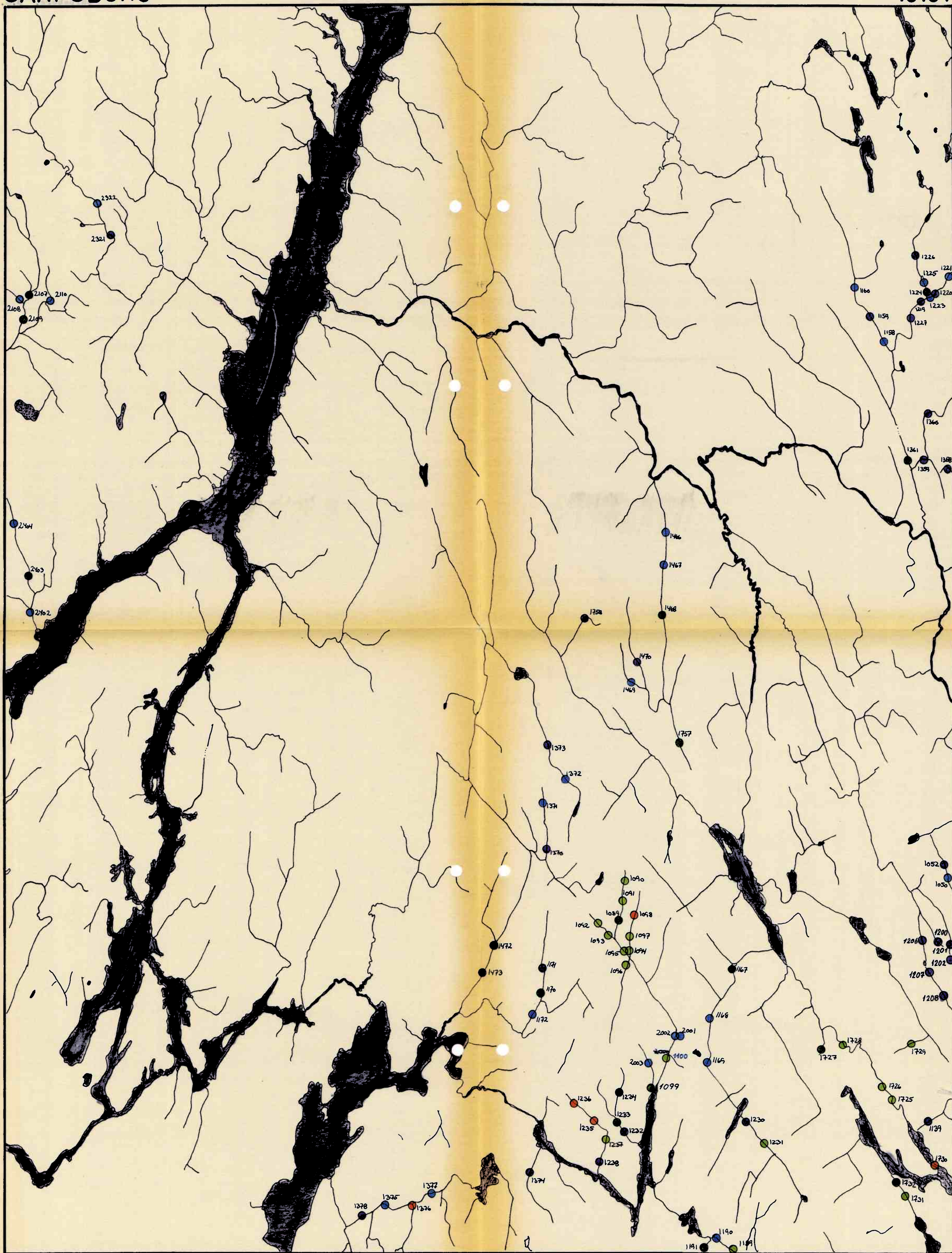


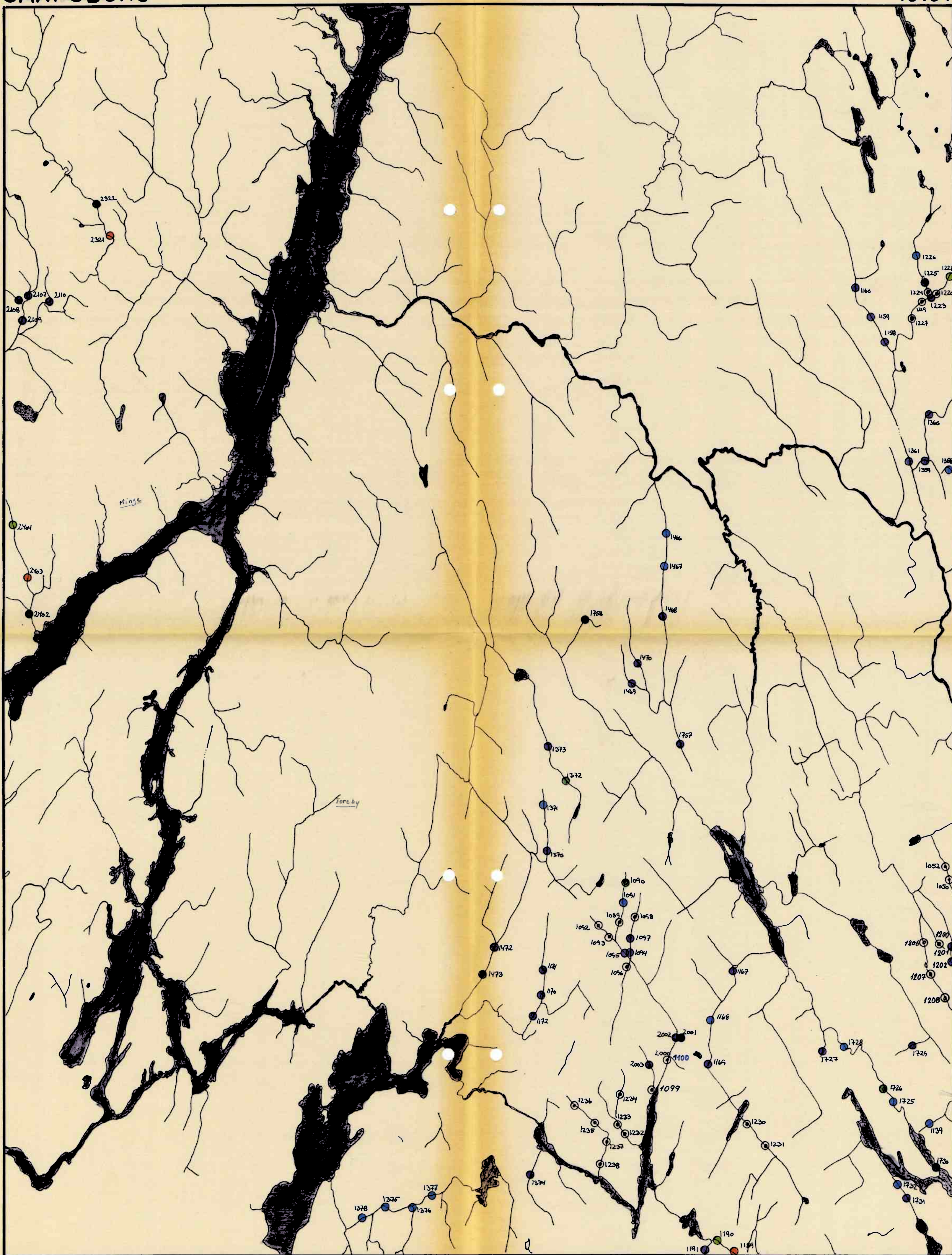


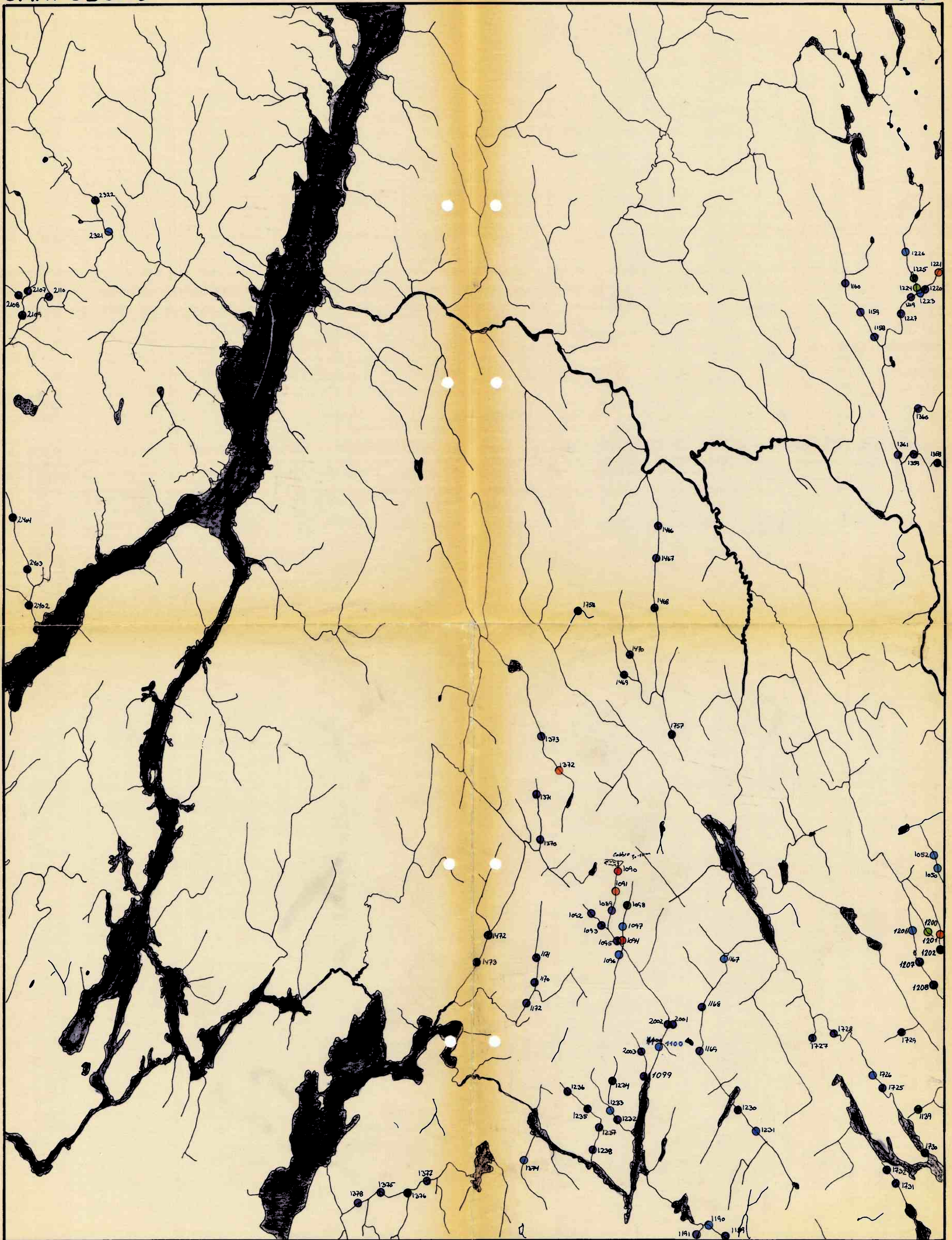


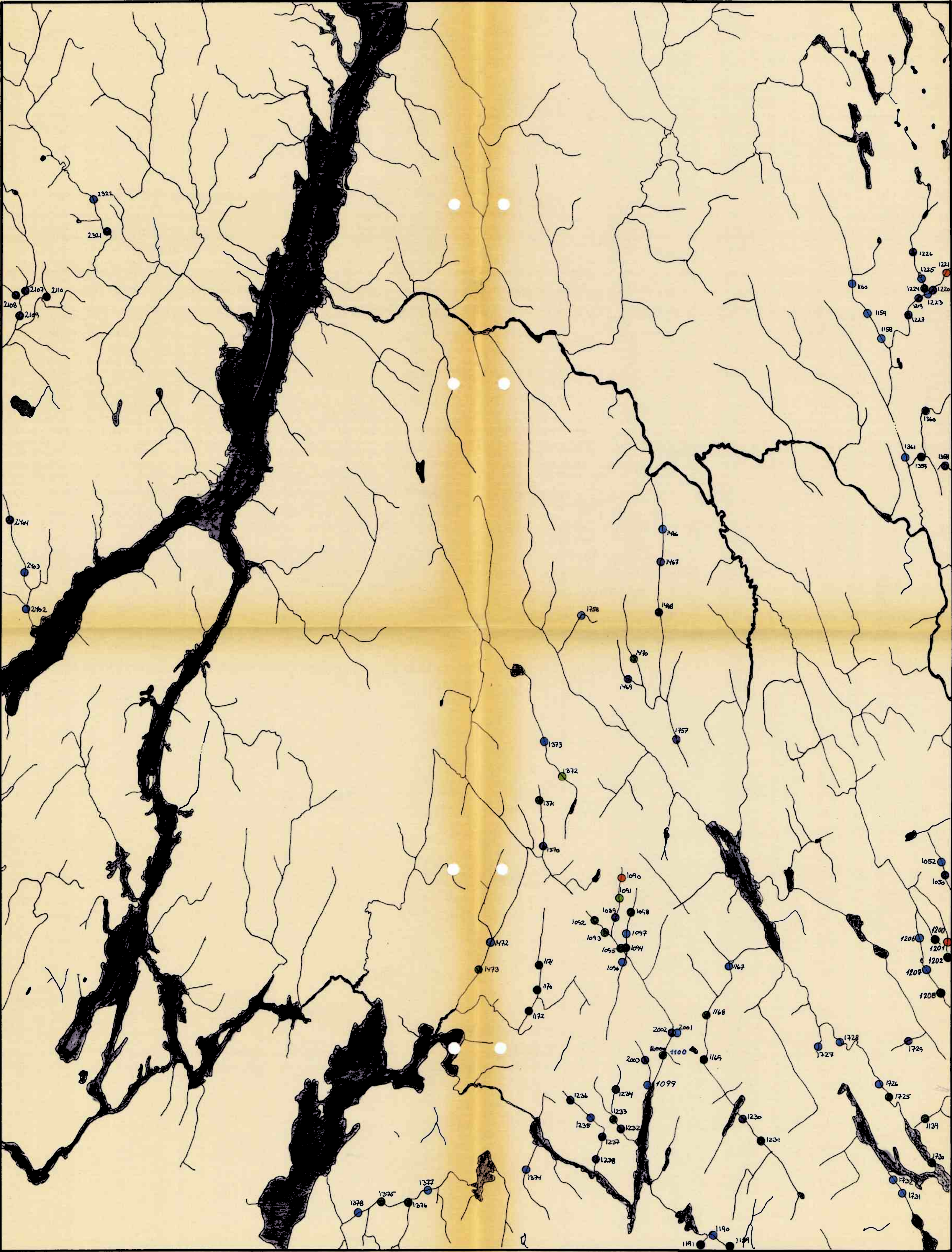








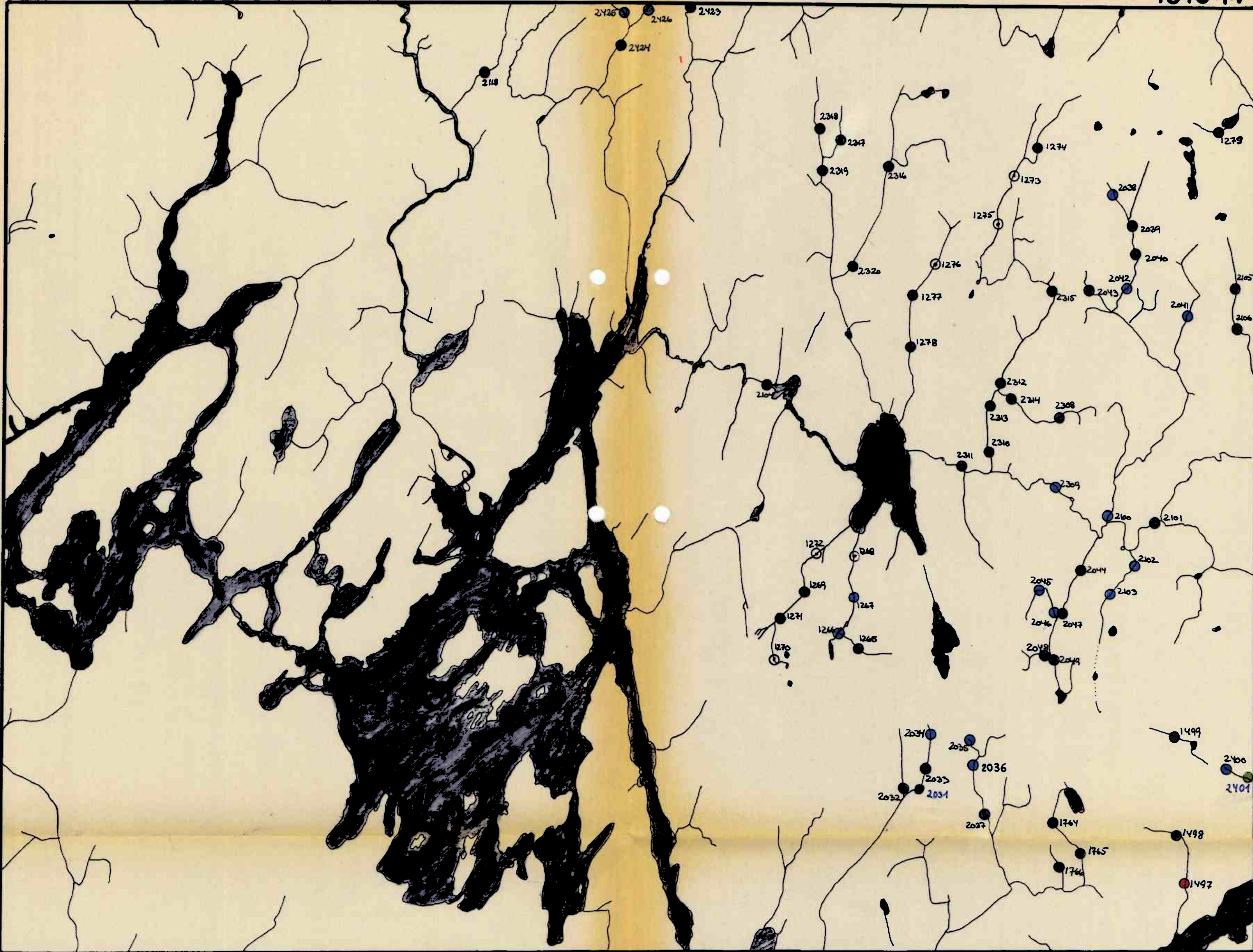




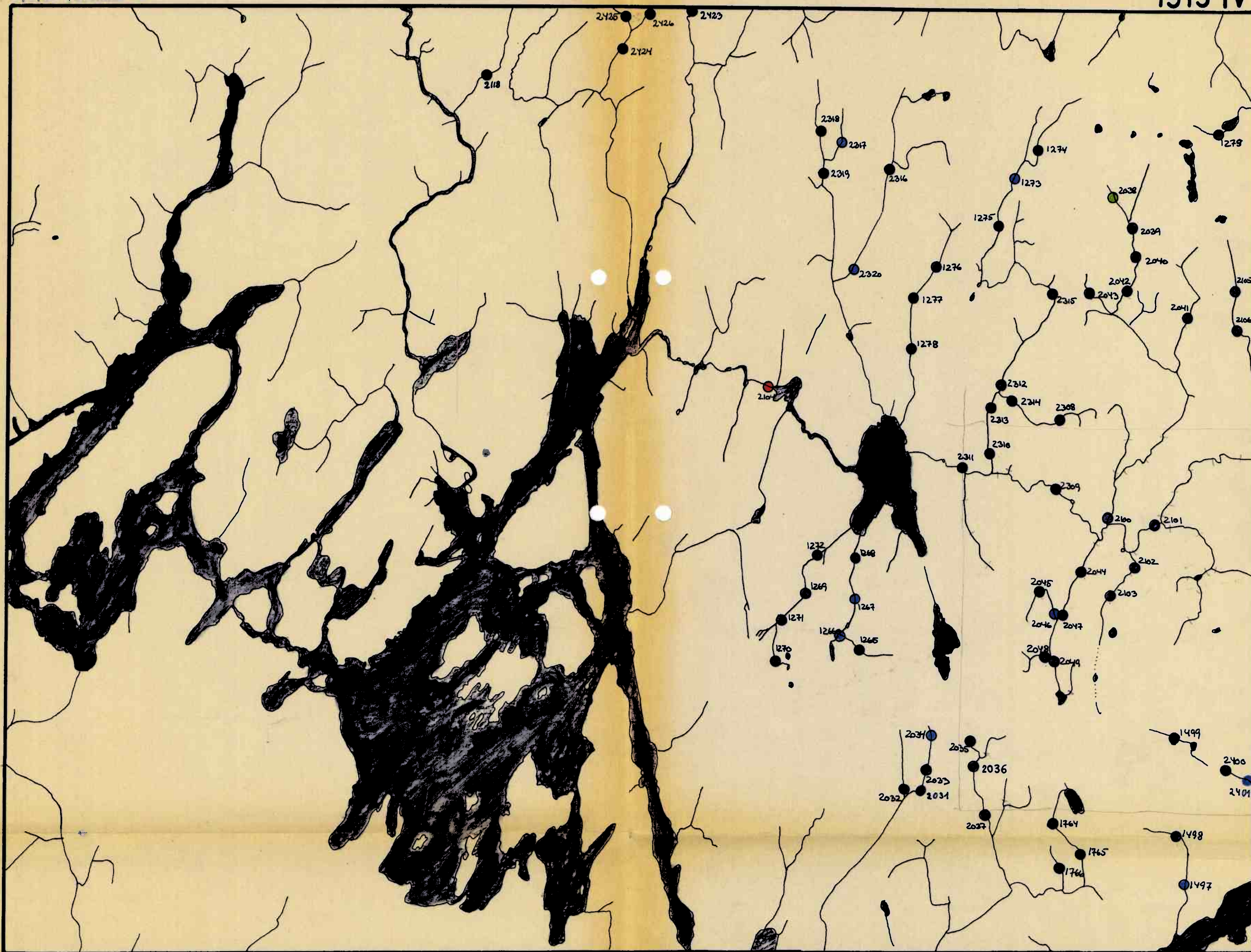
VANNSJÖ

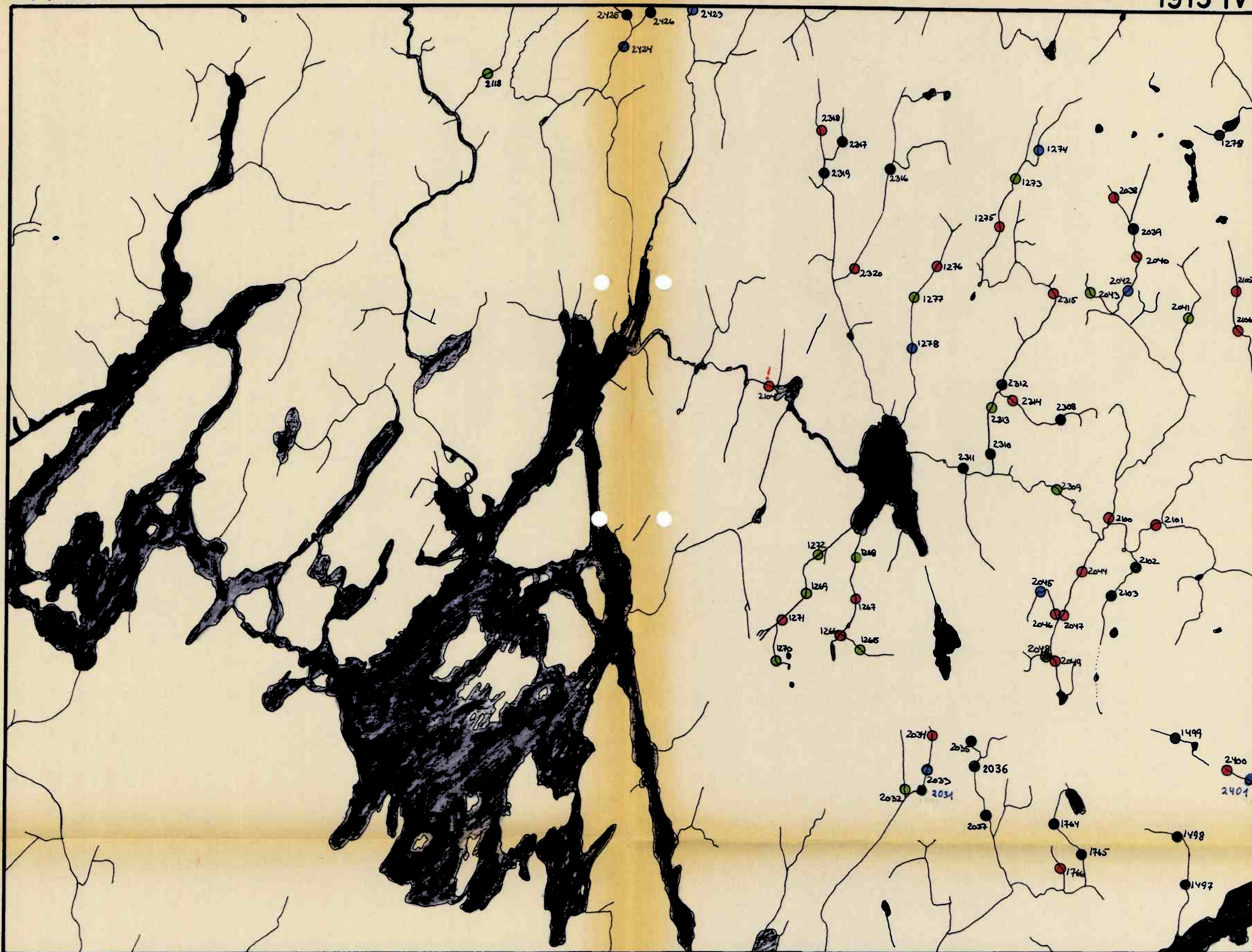
Bekkesedimenter : Pb-analyser

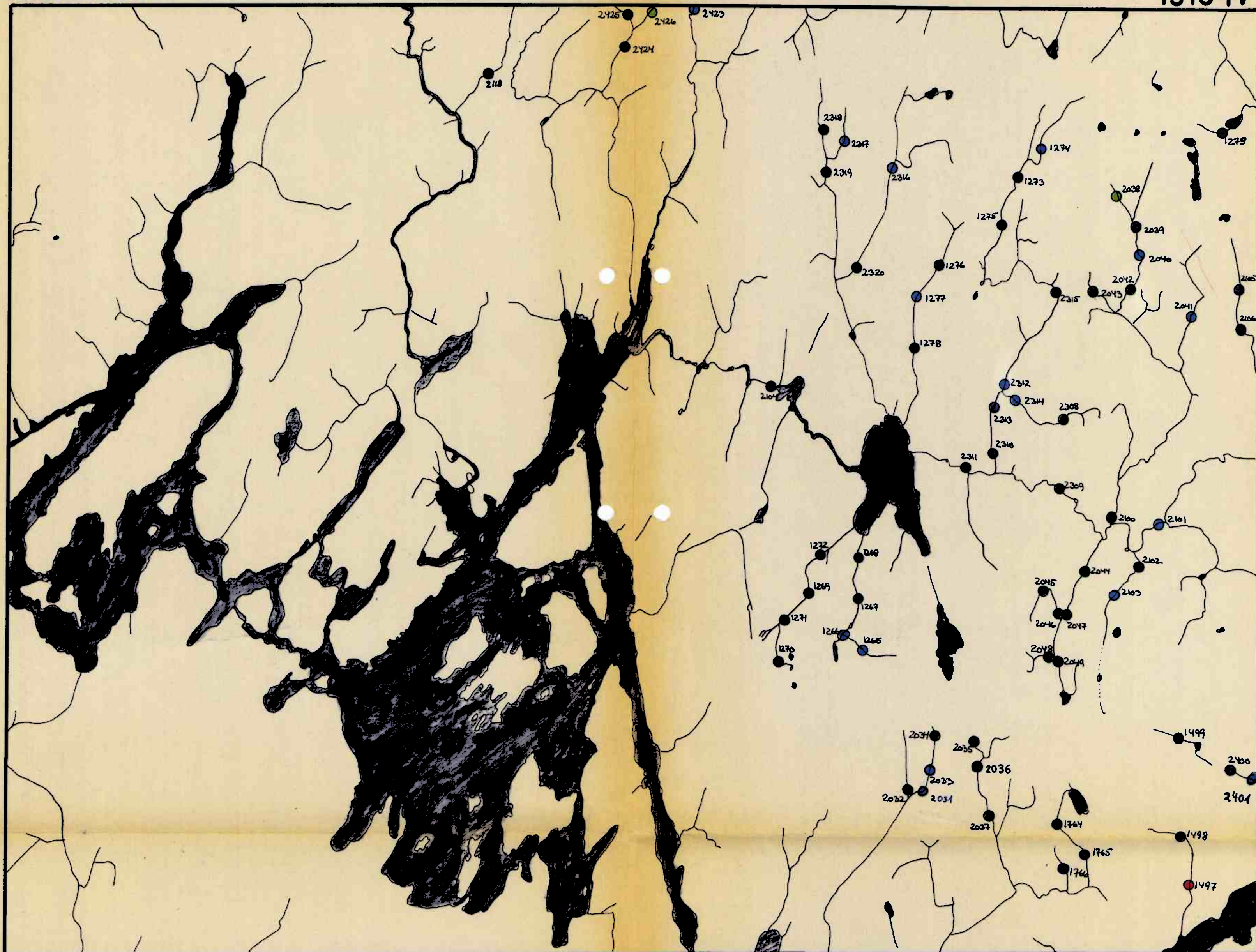
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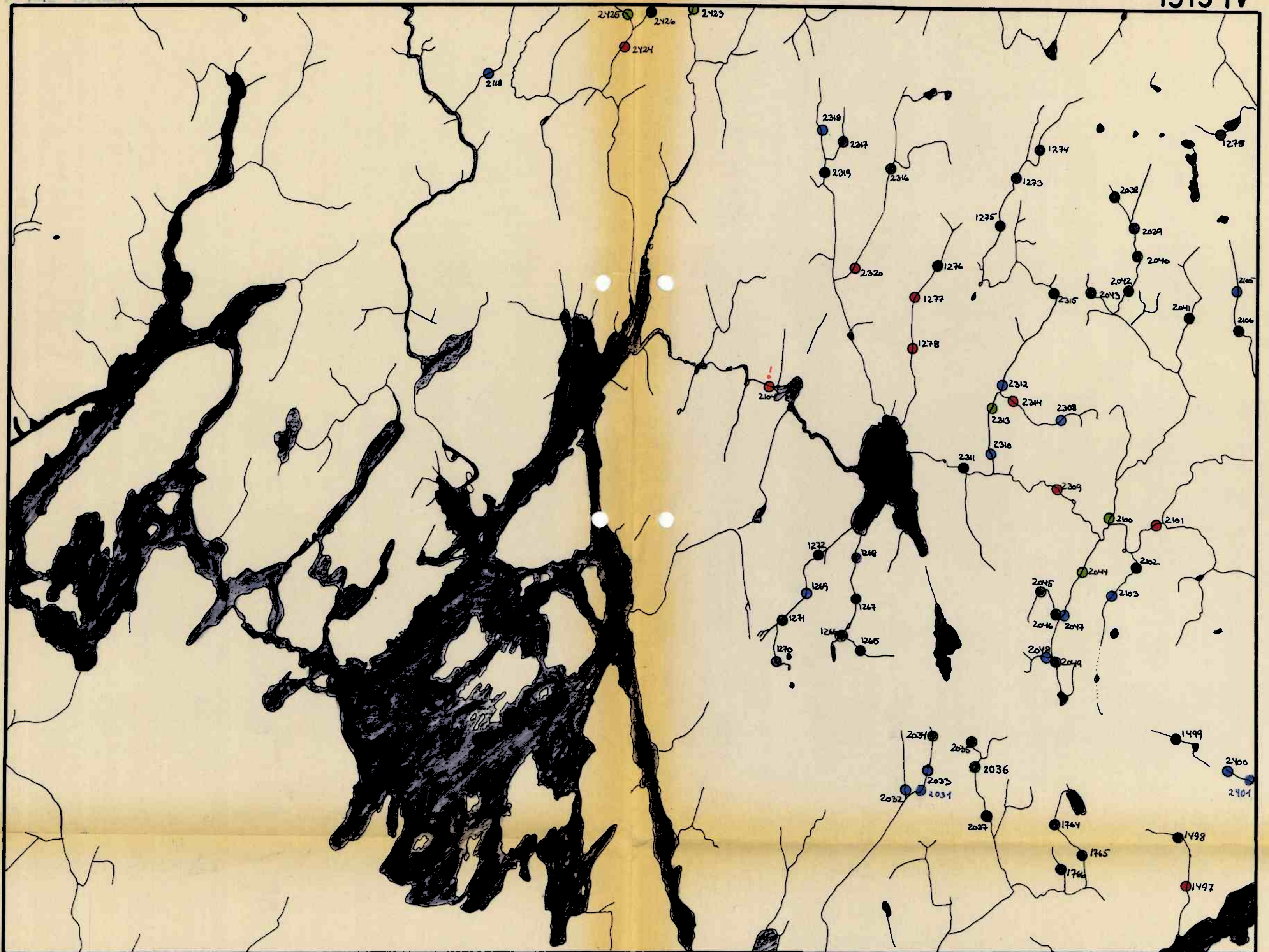


BS











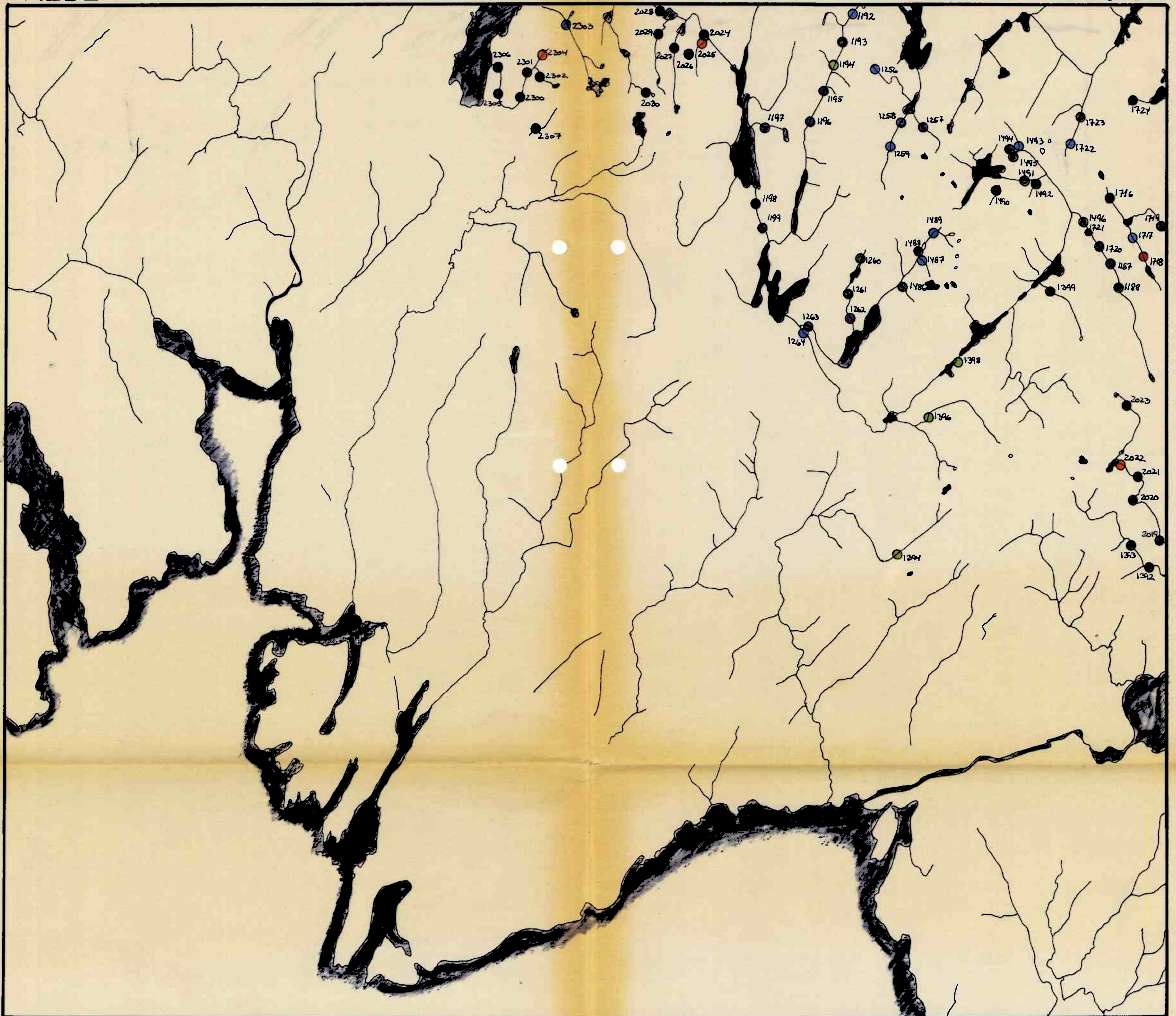
HALDEN

Bekkesedimenter: Cu-analyser

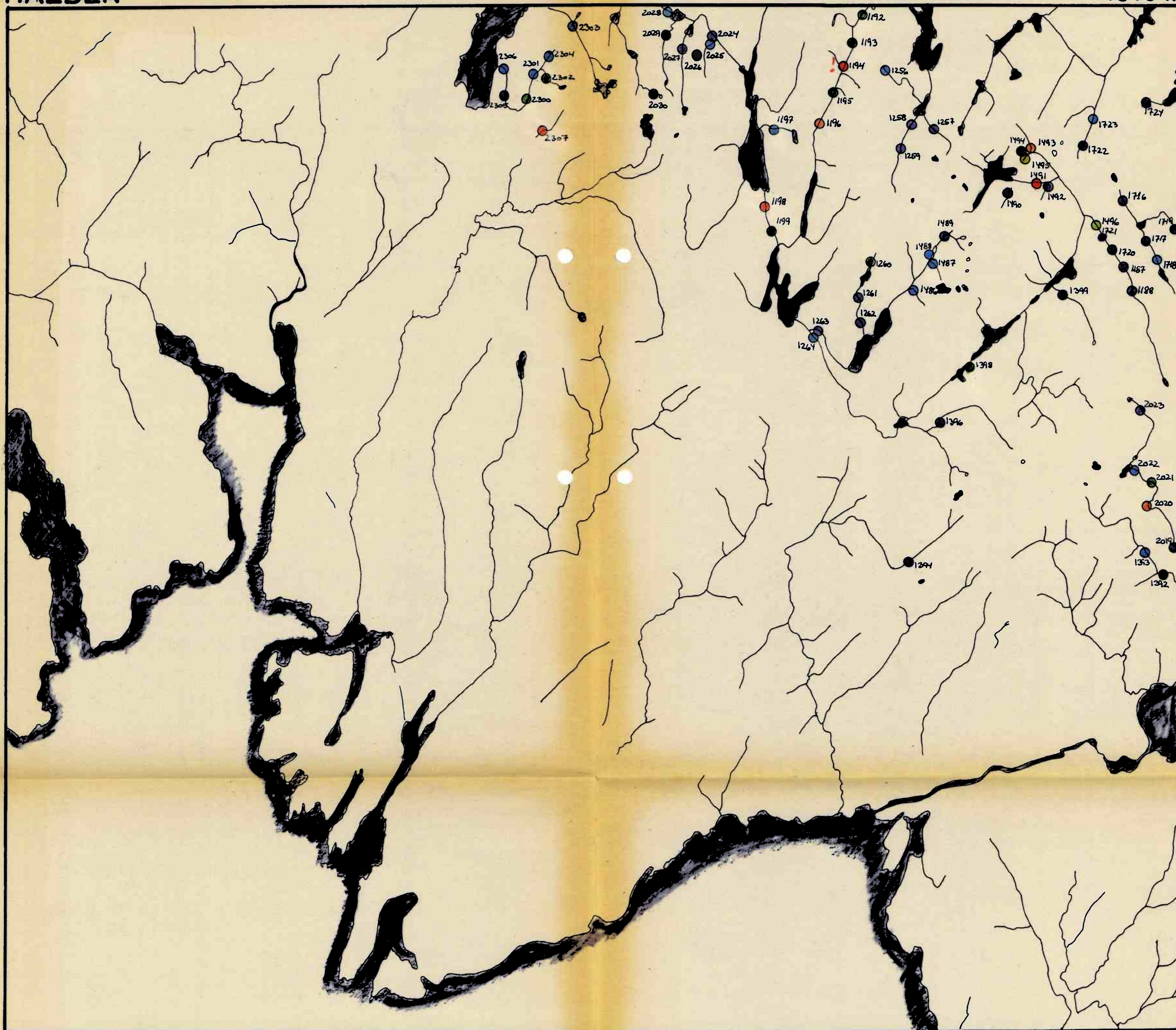
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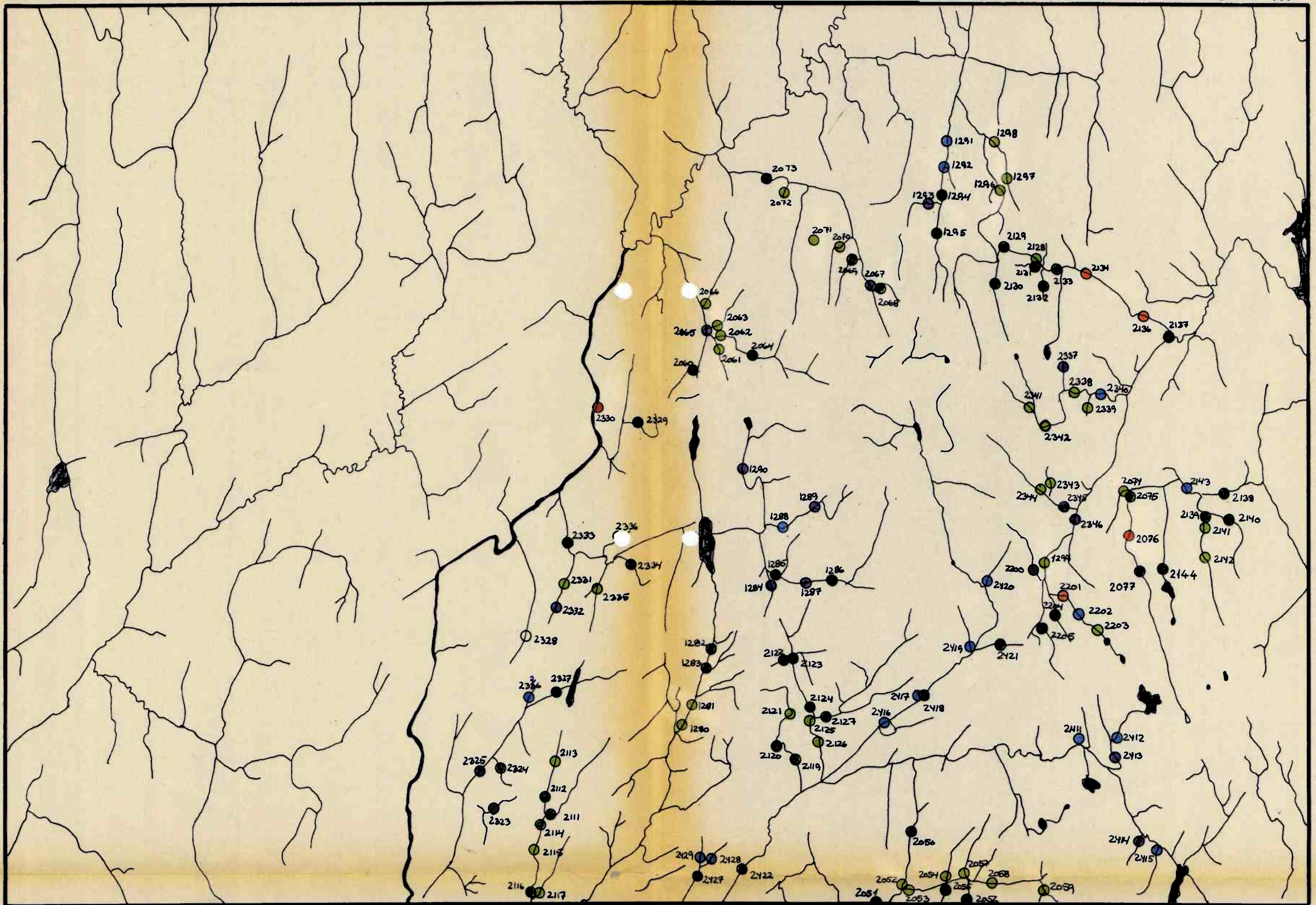
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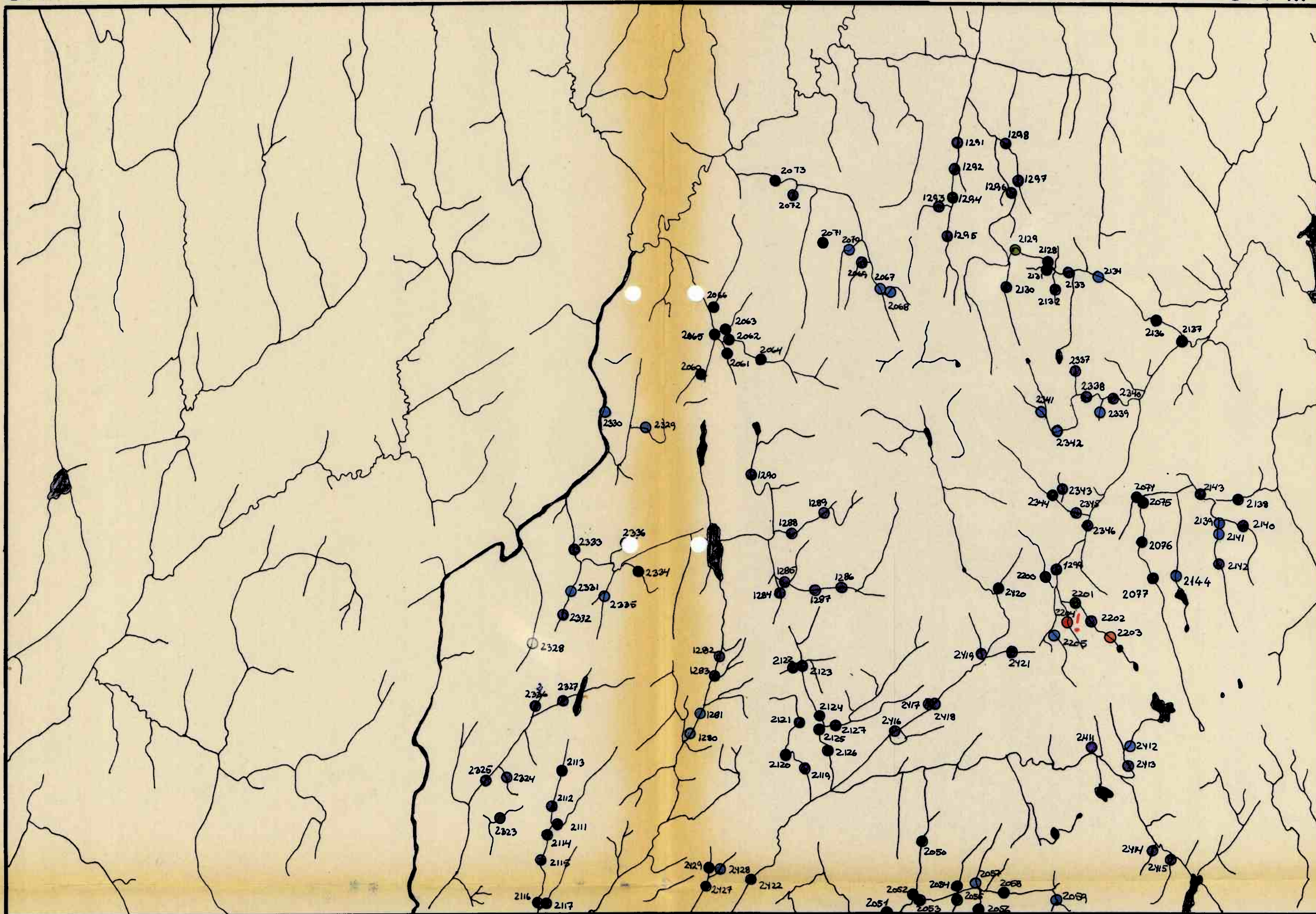


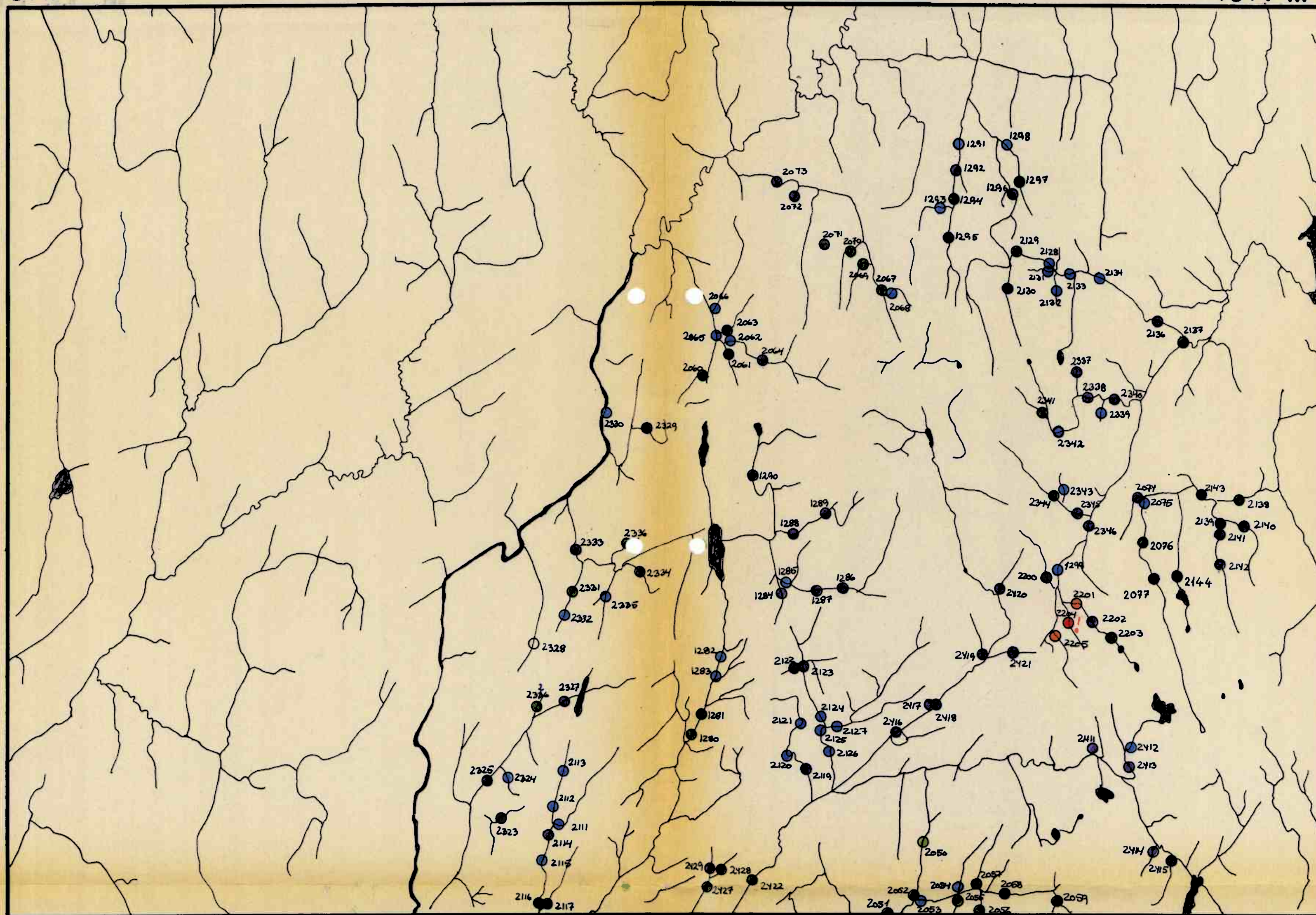


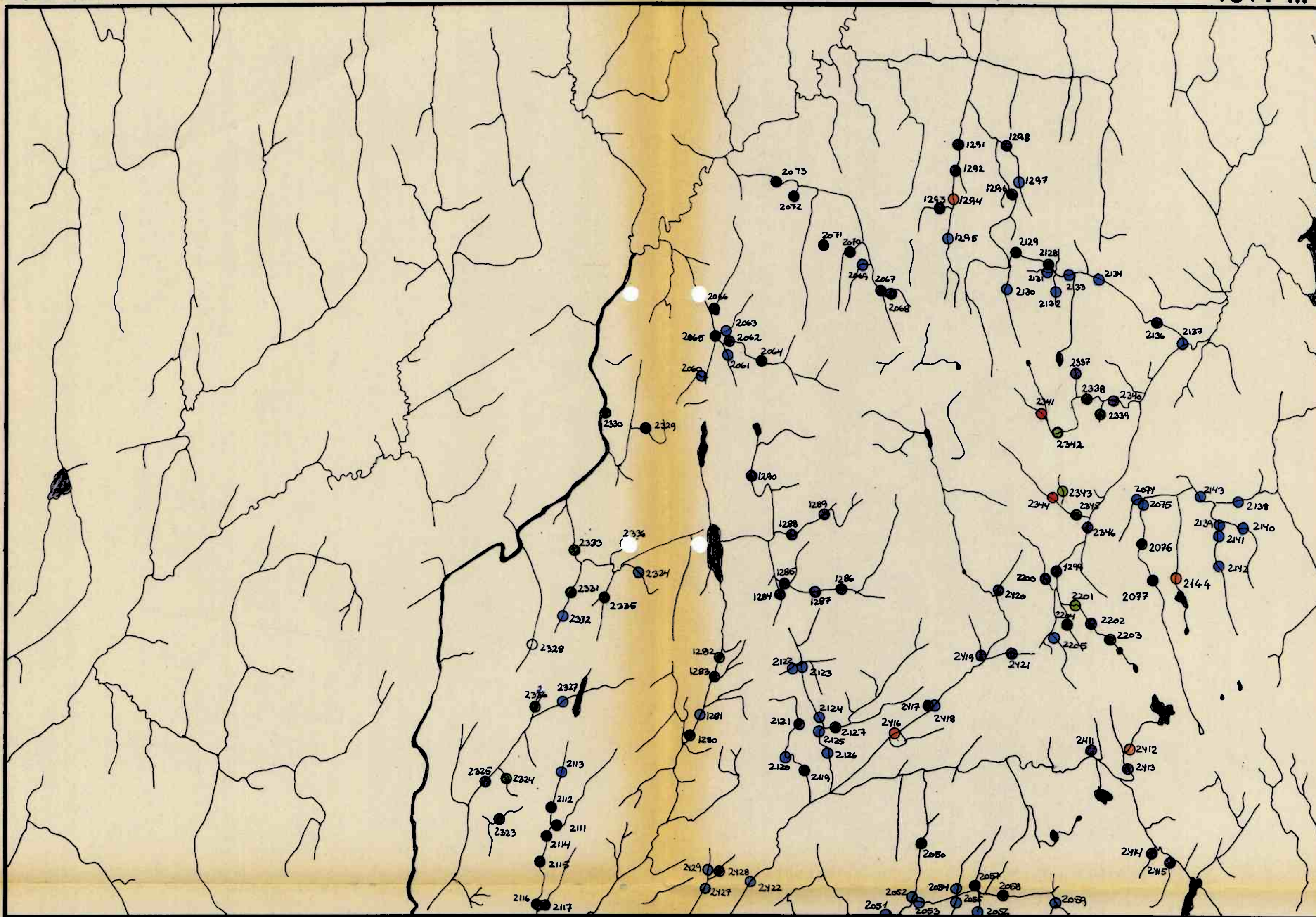


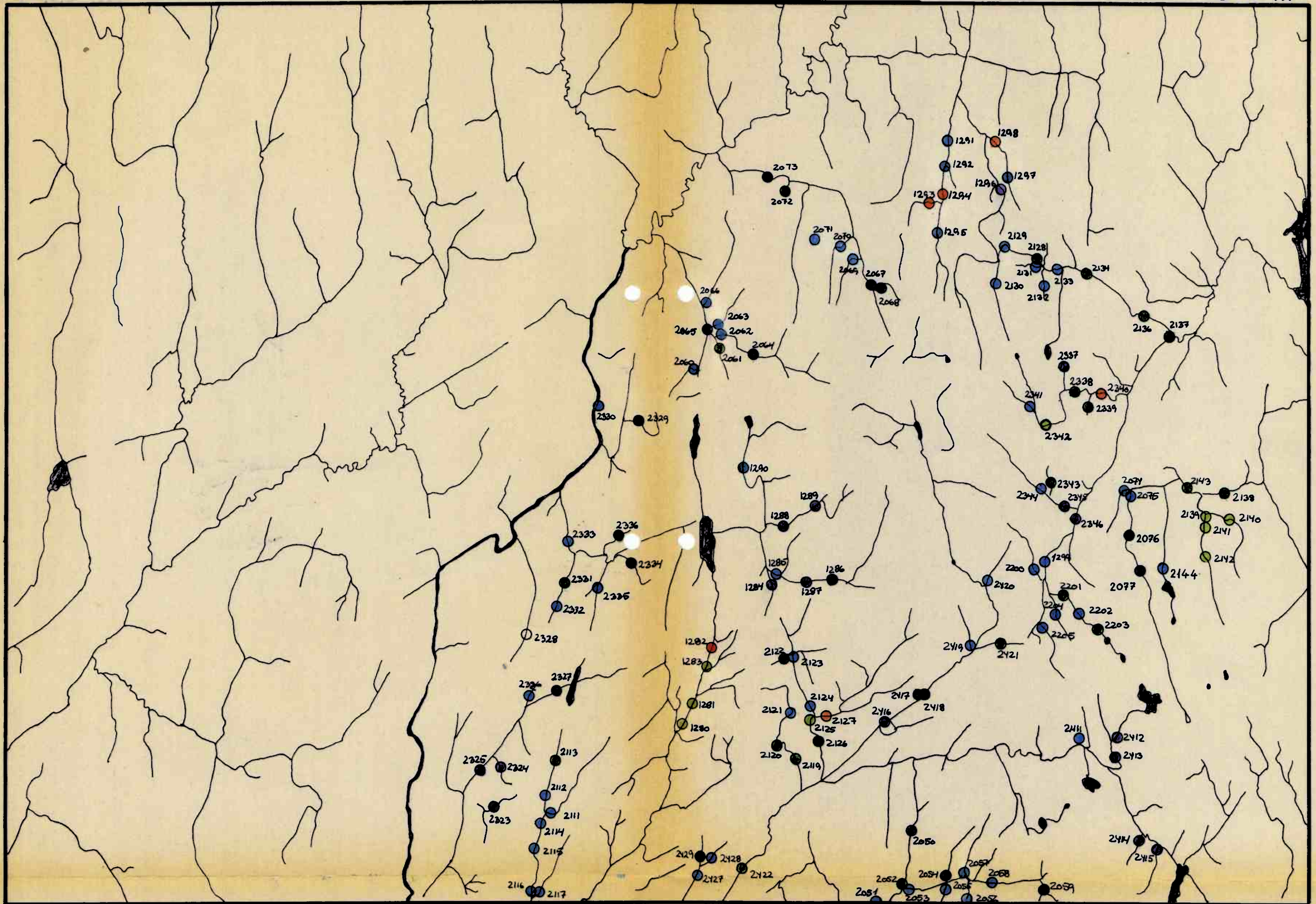




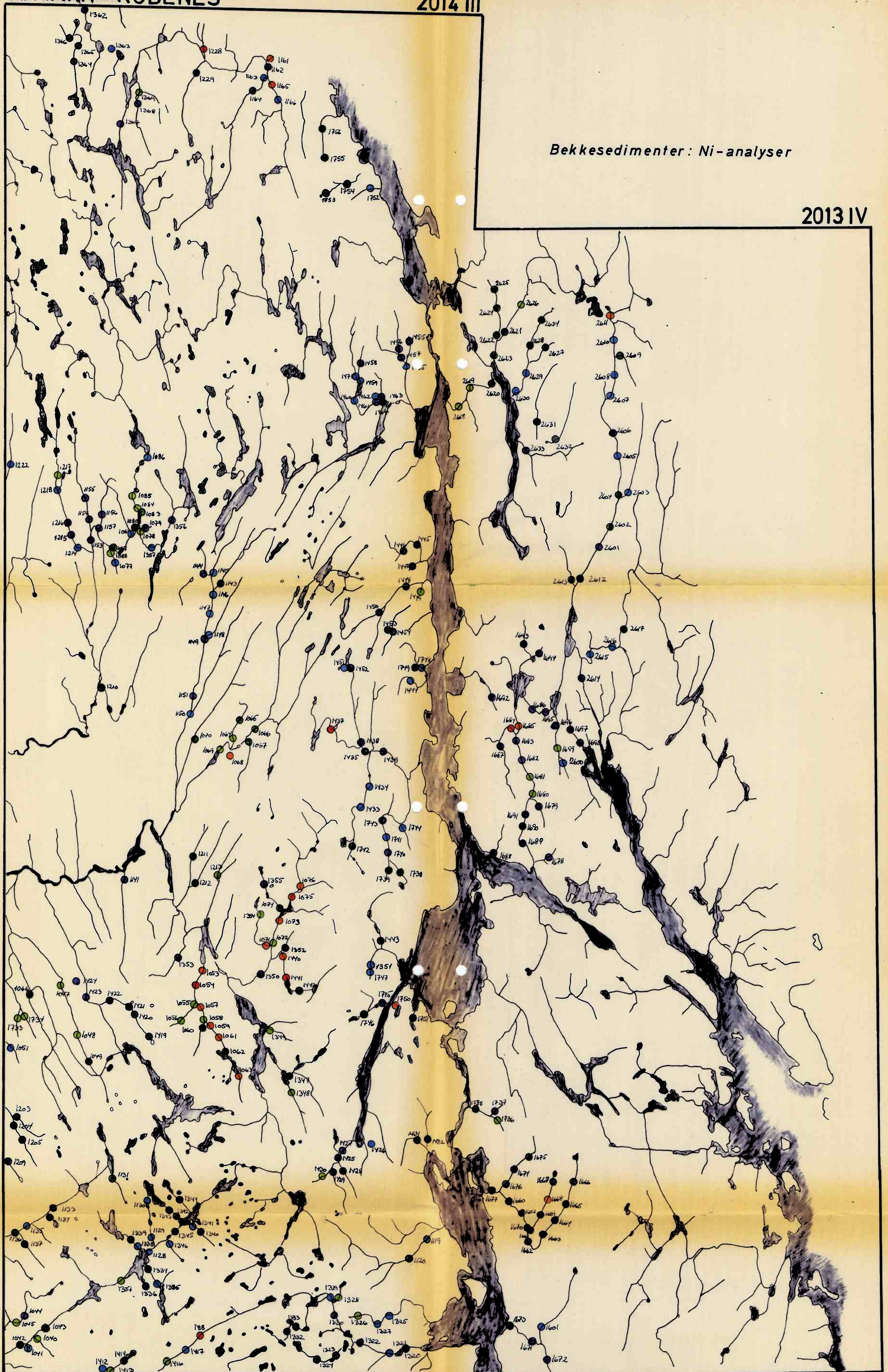




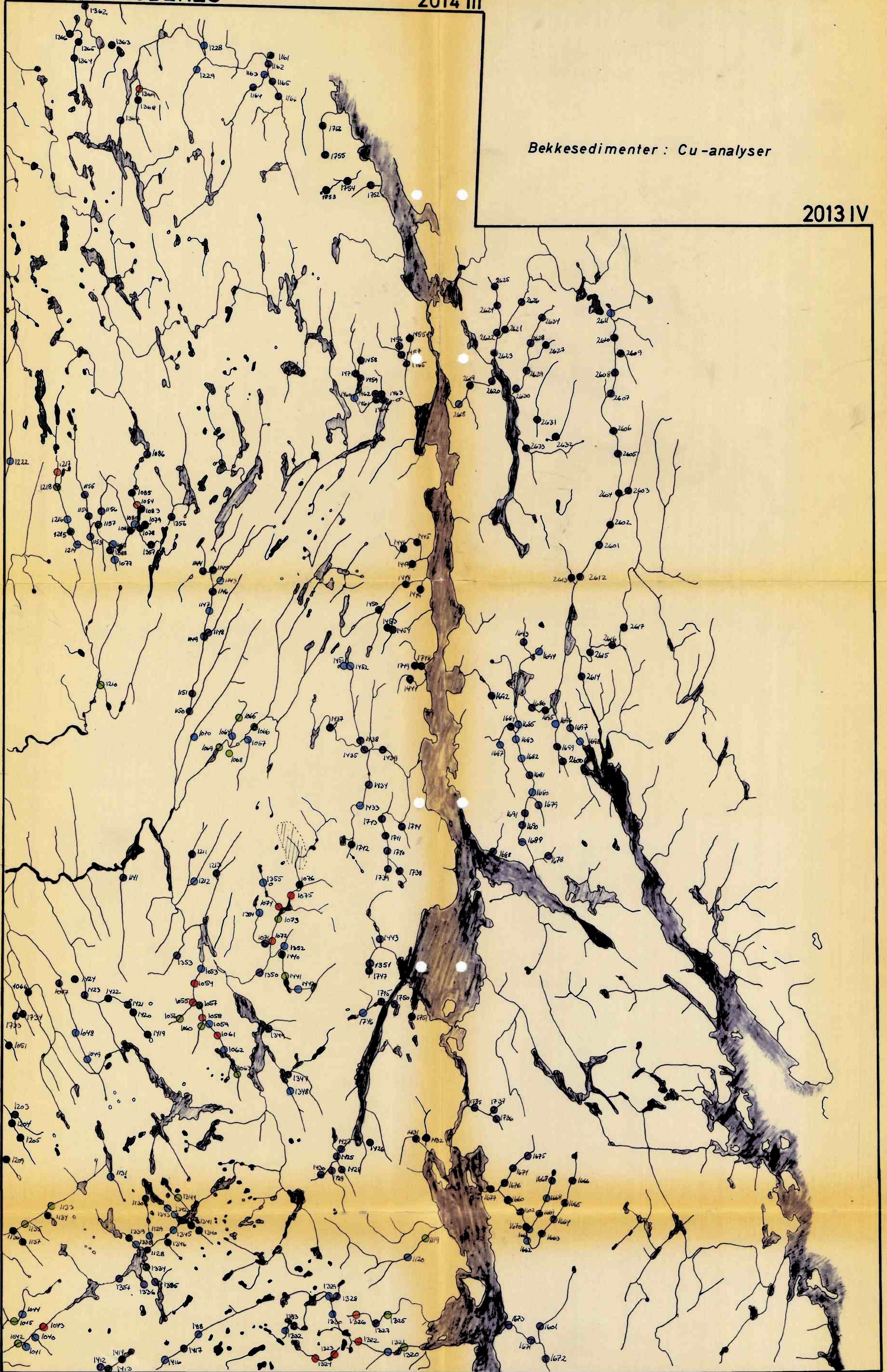




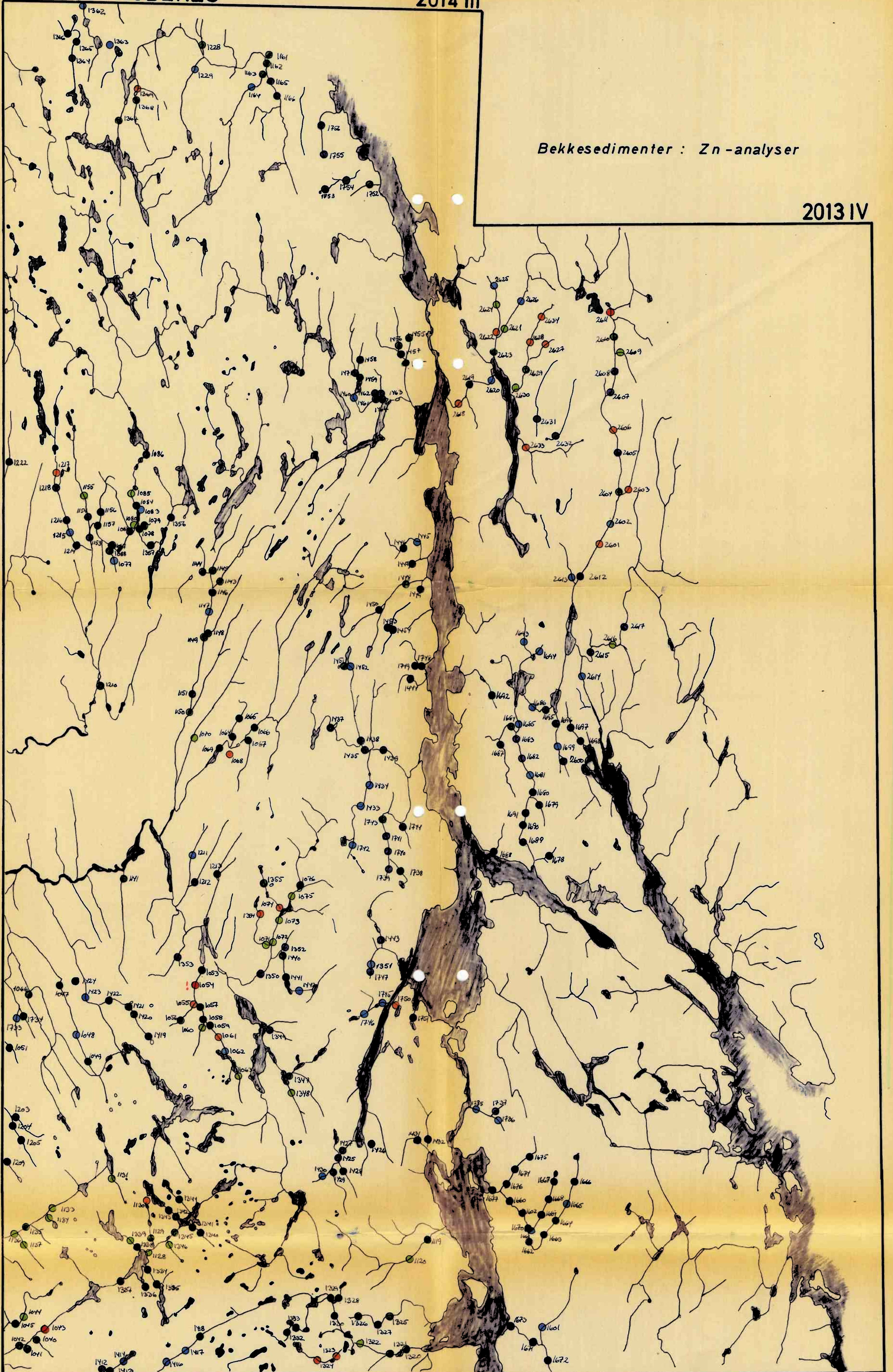
Bekkesedimenter: Ni-analyser



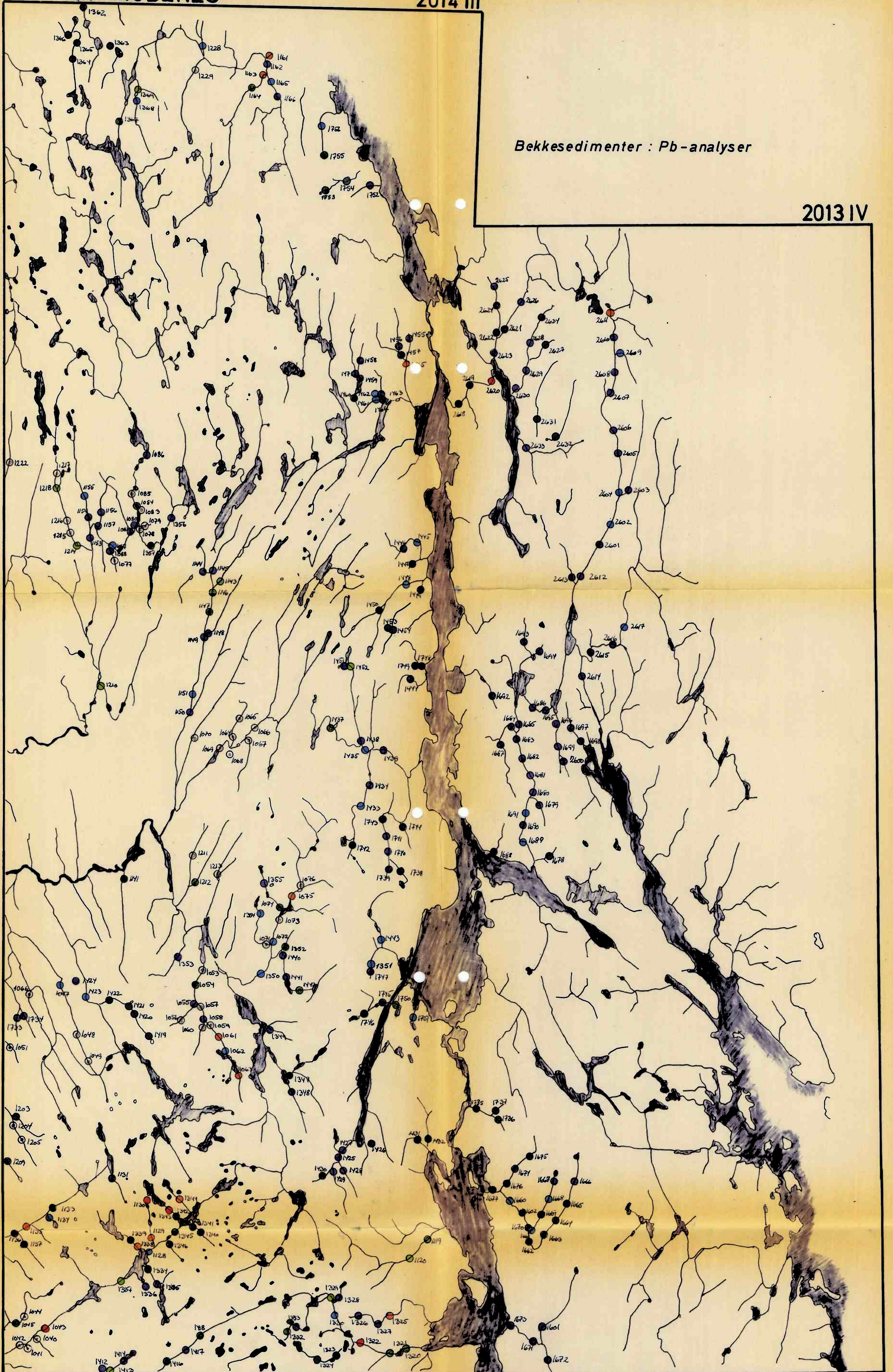
Bekkesedimenter : Cu-analyser



Bekkesedimenter : Zn -analyser



Bekkesedimenter : Pb-analyser



Bekkesedimenter : Co-analyser

2013 IV

