Ontario

We are committed to providing accessible customer service.
If you need accessible formats or communications supports, please contact us.

Nous tenons à améliorer l’accessibilité des services à la clientèle.
Si vous avez besoin de formats accessibles ou d’aide à la communication, veuillez nous contacter.

Copper and Zinc

in Decayed Vegetation

shows the

Jamieson Mine

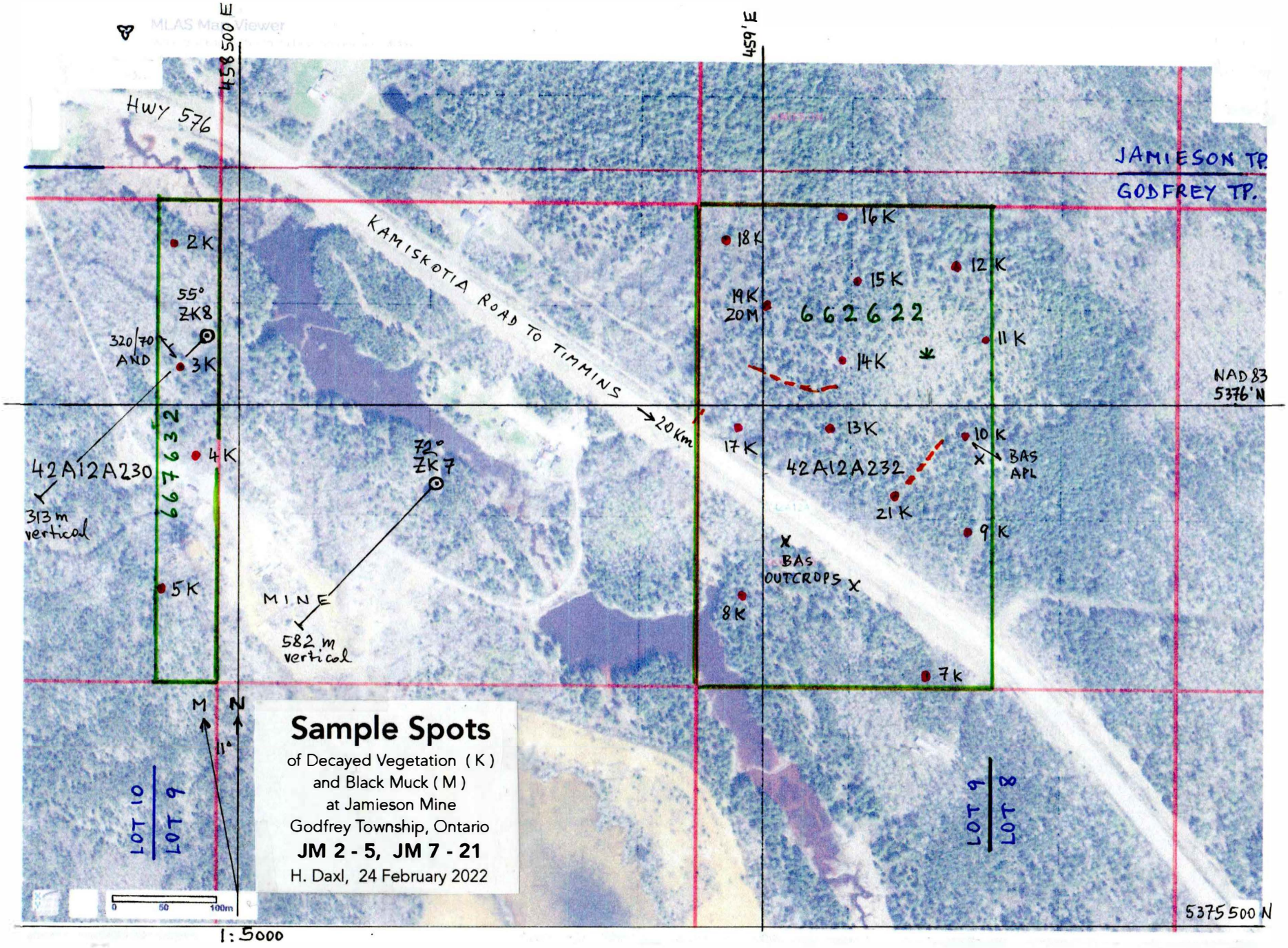
Godfrey Township, Ontario, Canada

On Boundary Claims :
667632 and 662622

In Respective Cells :
42A12A230 and 42A12A232

Report by Hermann Daxl, M.Sc.(Minex), Claim Holder

19 April 2022

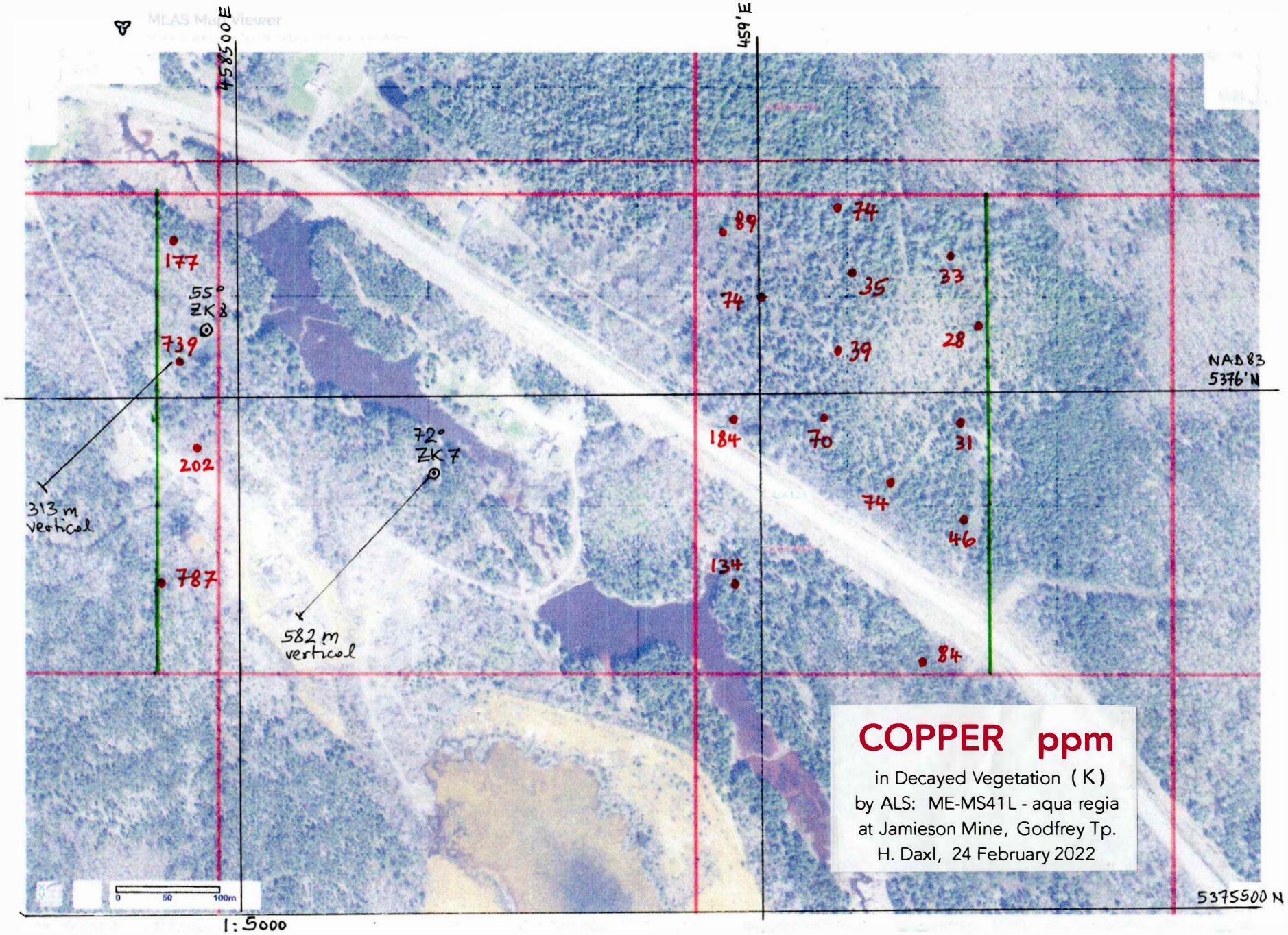


Sample Spots

of Decayed Vegetation (K)
and Black Muck (M)
at Jamieson Mine
Godfrey Township, Ontario

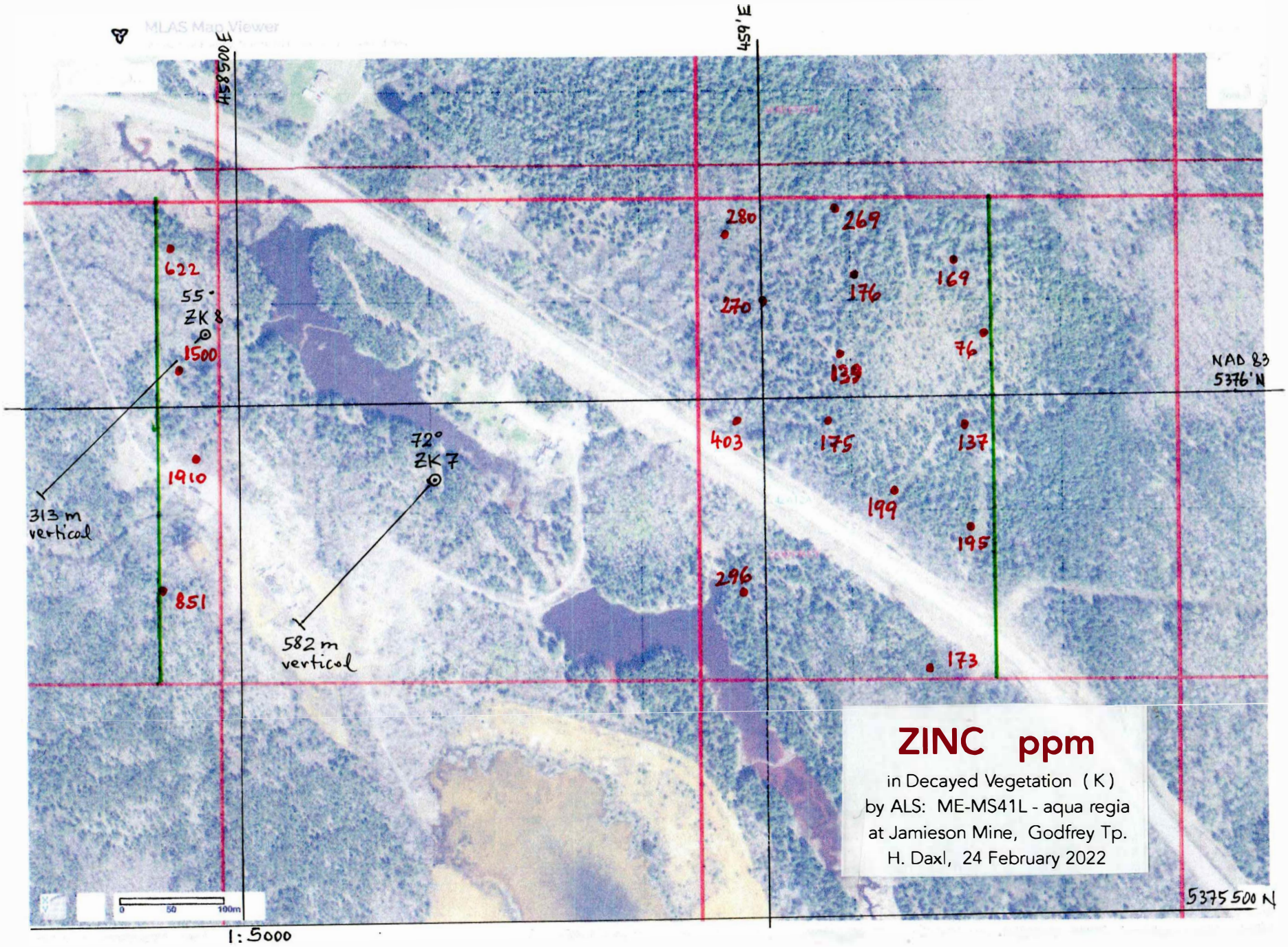
JM 2 - 5, JM 7 - 21

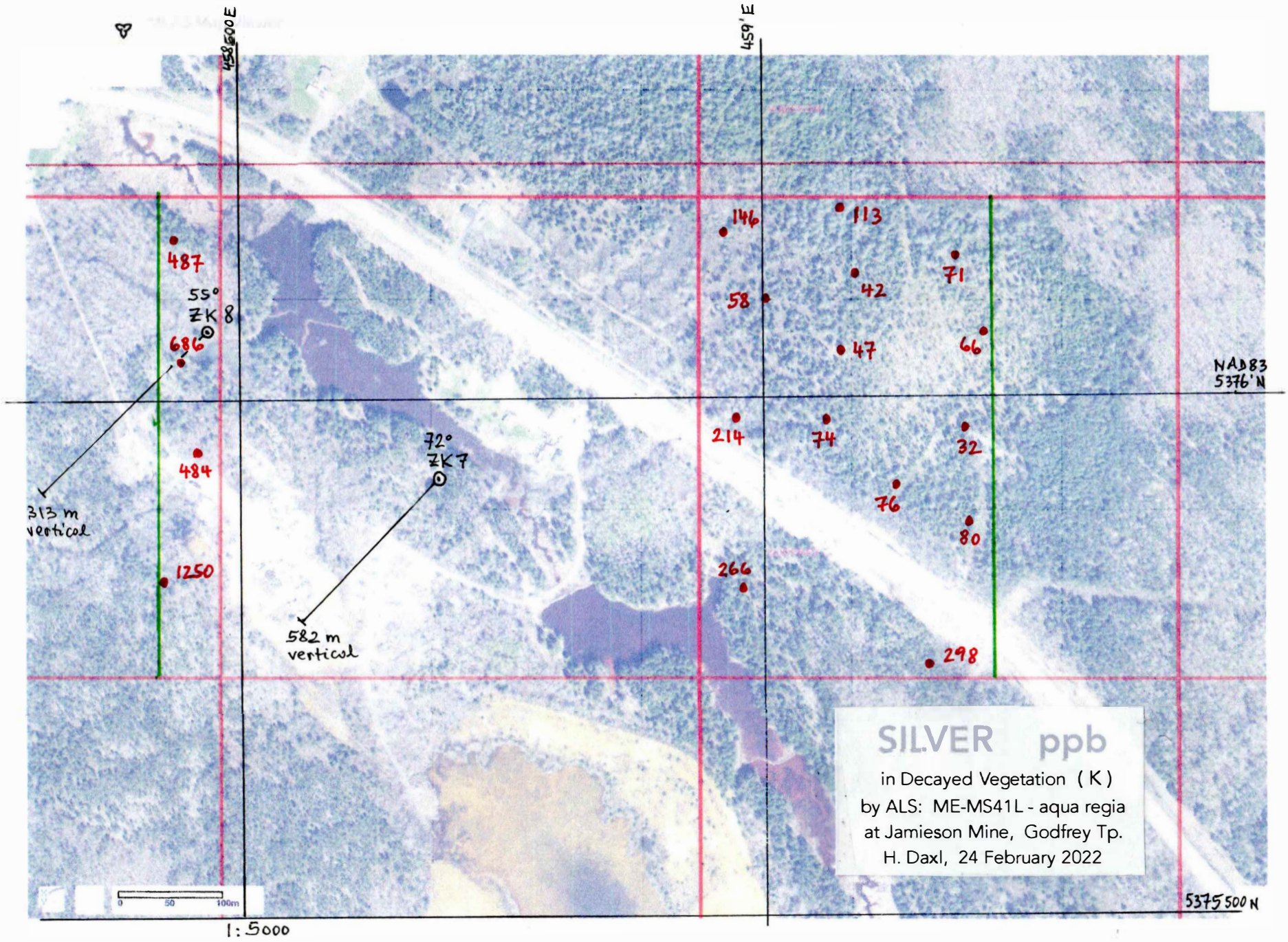
H. Daxl, 24 February 2022

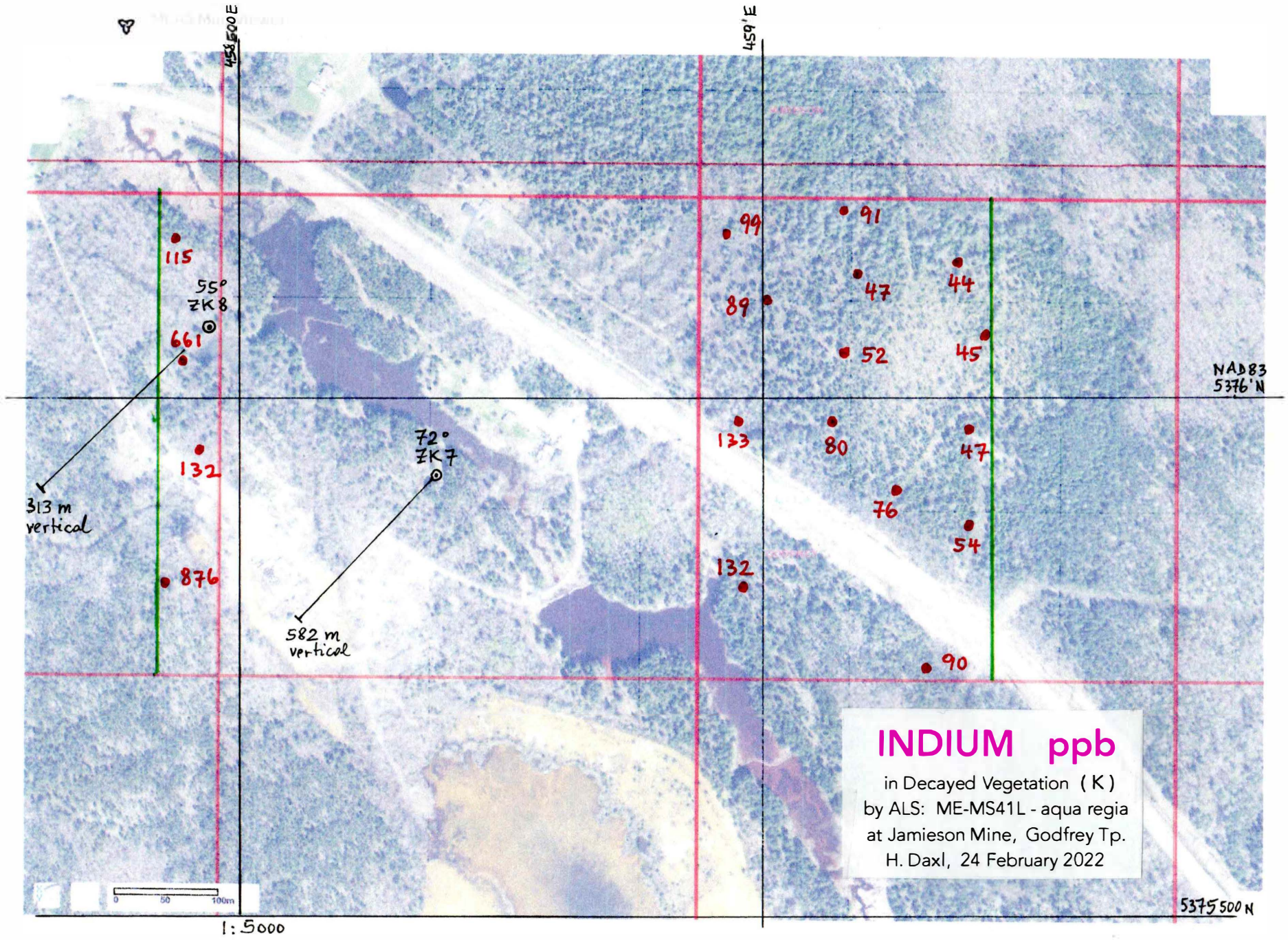


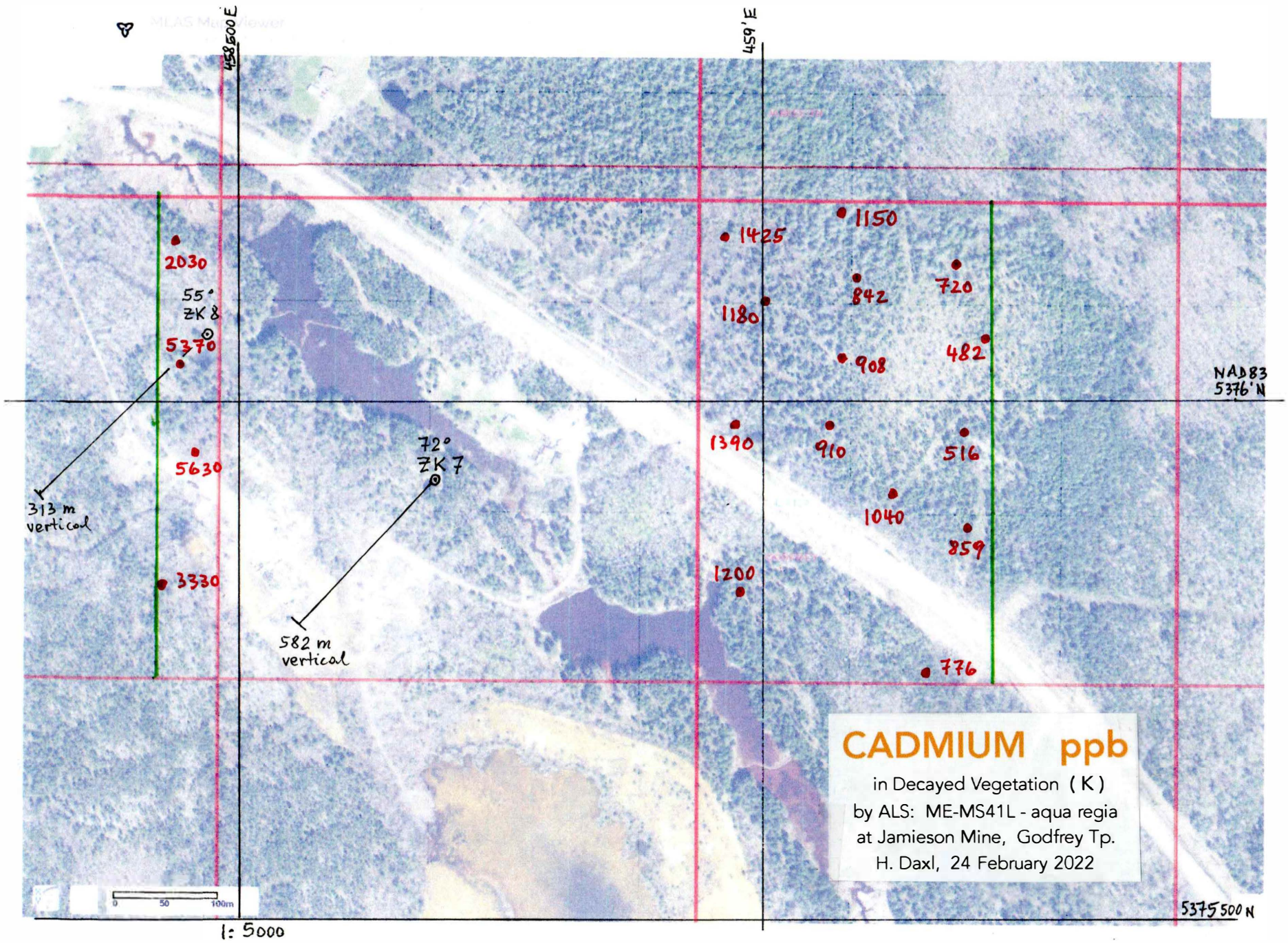
COPPER ppm

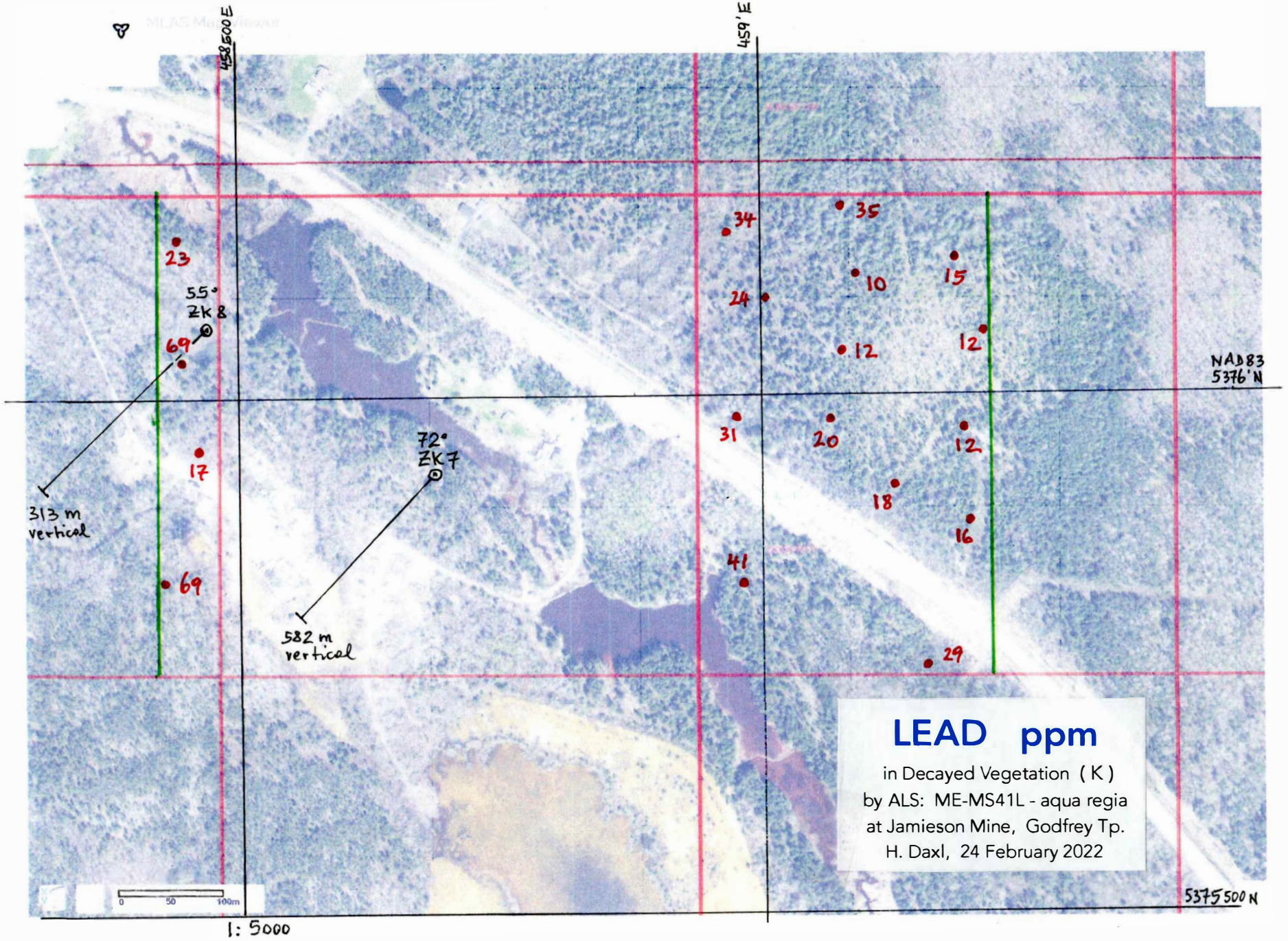
in Decayed Vegetation (K)
by ALS: ME-MS41L - aqua regia
at Jamieson Mine, Godfrey Tp.
H. Daxl, 24 February 2022


MLAS Map Viewer
458500 E
459 E
622
55°
ZK 8
1500
1910
851
313 m
vertical
72°
ZK 7
582 m
vertical
280
269
270
176
169
76
139
403
175
137
199
195
296
173
NAD 83
5376 N
5375 500 N
0
50
100m
1:5000
ZINC ppm
in Decayed Vegetation (K)
by ALS: ME-MS41L - aqua regia
at Jamieson Mine, Godfrey Tp.
H. Daxl, 24 February 2022


458500 E
459' E
NAD83
5376'N
5375500 N
487
55°
ZK8
686
484
313 m
vertical
1250
72°
ZK7
582 m
vertical
146
113
71
42
58
47
66
214
74
32
76
80
266
298
0
50
100m
1:5000
SILVER ppb
in Decayed Vegetation (K)
by ALS: ME-MS41L - aqua regia
at Jamieson Mine, Godfrey Tp.
H. Daxl, 24 February 2022

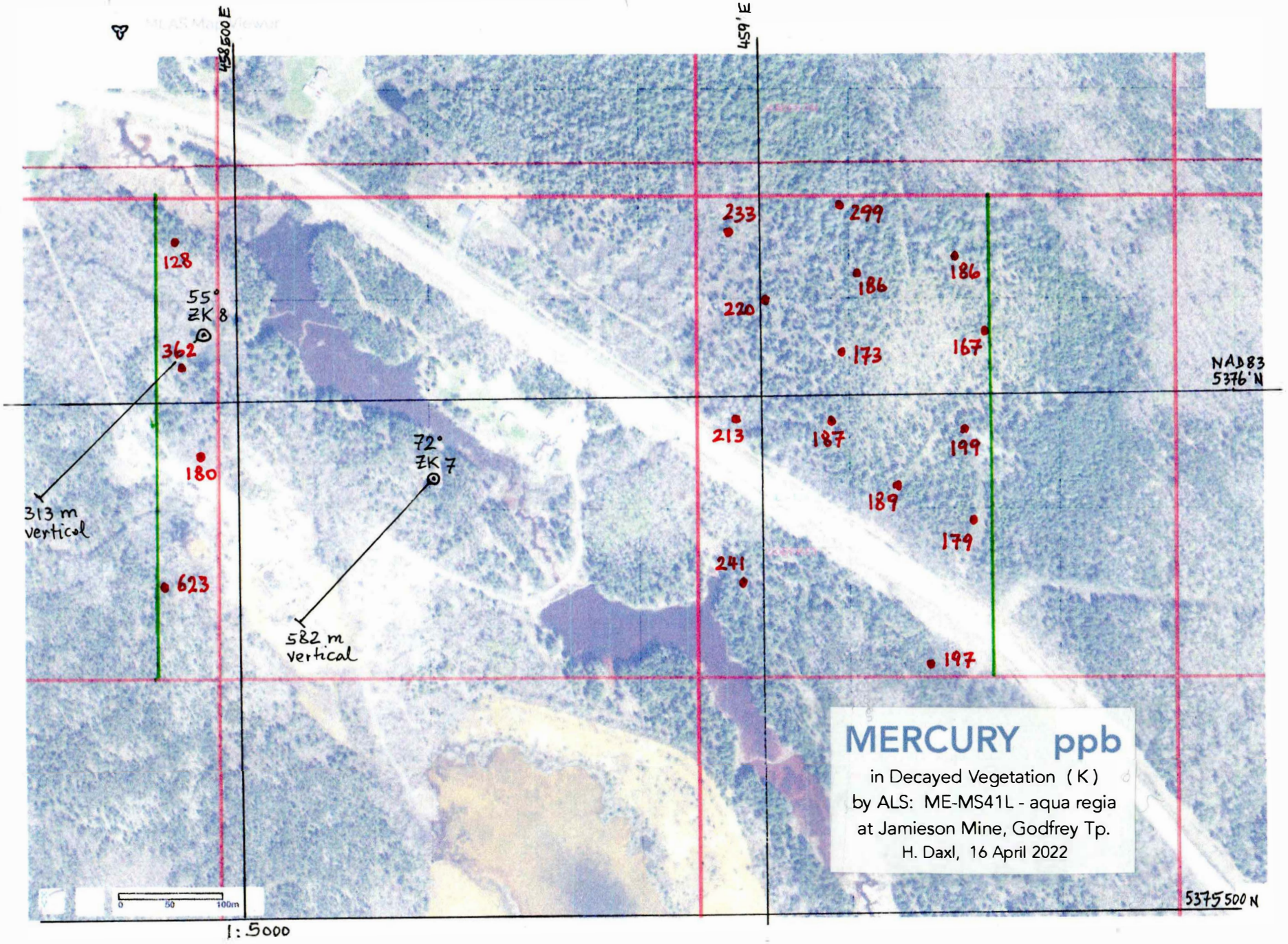

458 500 E
459 E
NAD83
5376 N
5375 500 N
115
55°
ZK8
661
132
313 m
vertical
876
72°
ZK7
582 m
vertical
99
91
47
44
89
52
45
133
80
47
76
54
132
90
0
50
100m
1:5000
INDIUM ppb
in Decayed Vegetation (K)
by ALS: ME-MS41L - aqua regia
at Jamieson Mine, Godfrey Tp.
H. Daxl, 24 February 2022


458 500 E
459 E
2030
55°
ZK 8
5370
5630
313 m
vertical
3330
72°
ZK 7
582 m
vertical
1425
1150
842
720
1180
908
482
1390
910
516
1040
859
1200
776
NAD83
5376 N
0
50
100m
1: 5000
5375 500 N
CADMIUM ppb
in Decayed Vegetation (K)
by ALS: ME-MS41L - aqua regia
at Jamieson Mine, Godfrey Tp.
H. Daxl, 24 February 2022



LEAD ppm

in Decayed Vegetation (K)
by ALS: ME-MS41L - aqua regia
at Jamieson Mine, Godfrey Tp.
H. Daxl, 24 February 2022


458500 E
459' E
NAD83
5376'N
5375500 N
128
55°
ZK 8
362
180
623
313 m
vertical
72°
ZK 7
582 m
vertical
233
299
186
186
220
173
167
213
187
199
189
179
241
197
MERCURY ppb
in Decayed Vegetation (K)
by ALS: ME-MS41L - aqua regia
at Jamieson Mine, Godfrey Tp.
H. Daxl, 16 April 2022
0
50
100m
1:5000

Introduction

The efficiency of decayed vegetation sampling has again been proven in a one-day traverse on 18 July 2021 on my claim 667632 and with only 4 samples, which clearly show all elements of value mined at the Jamieson Mine, even in their respective abundance, namely strongly anomalous copper and zinc, moderately anomalous gold and silver, and somewhat anomalous accessory indium, cadmium, lead, mercury, and almost normal arsenic.

Mining stopped at 200 m depth. The two drill holes of 2011, CJ-ZK7 and 8, reached 582 m and 313 m vertical depth and intersected the expected great variety of layered and sheared mafic and felsic volcanic rocks including exhalites and tuffs, and the Cu-Zn mineralization which locally is about 0.5 % each.

The direct values of decayed vegetation do not need statistics nor comparison with background, but I continued my prospecting in 3 more traverses from 14 to 23 August 2021 on my separate claim 662622, where these values are normal with only a minor increase mineward. Please refer to the 18 sample spots and UTM list, and the maps for silver, copper, zinc, indium, cadmium, lead, mercury.

Except for a large asphalt pad south of sample JM 4, my claims cover undisturbed mature mixed forest with local outcrops, with lessor trees in the swampy area northeast of highway 576. Contamination of my samples is quite unlikely, despite the nearby mine workings. Please refer to annotations on the lab results for some overburden details.

Distance from Timmins is about 20 km westward via highway 576 towards Kamiskotia. My claim 662622 starts at the entrance to #5485 Kamiskotia Road, 1 km NW after the Kreiner access to the Skihill. My claim 667632 can be reached along the west-side of the creek because my neighbour does not allow trespassing. The surface rights owners have been notified of my claims.

Present Work

My present new method of soil sampling, namely decayed vegetation, is based on the centuries old knowledge that elements from ore deposits migrate to surface and directly, or indirectly through the plant cycle, accumulate in recent surface organic material. I improved the method by carefully selecting samples of like material and age, excluding any inorganic content which could dilute or contaminate a sample. This allows direct analyses with the necessary very low detection limits. I found that decayed vegetation from 0 - 6 cm depth of the forest floor (K) is the only soil horizon useful for exploration, but deeper black swamp muck (M) under rare circumstances has also worked for Cu, Au, Mo. Please refer to the annotations on the lab results.

After brushing aside loose material on the ground, a handful of the exposed rootlets with encrusted leaves, needles, bark, and mold was ripped up from each of several suitable dry spots, or around trees in swampy areas, over a 20 - 40 m area, and the GPS in their center noted. This decayed vegetation from 0 - 6 cm depth (K) made one sample. Please search >youtube hermann daxl< to view videos.

After drying in the sun, pounding and rolling to release the fines, the <250 micron sievings were homogenized by cross-lapping with a sheet of paper, and checked for any sand or silt (DT) content. Dry swirling of K to remove DT dregs was necessary for samples JM 2, 3, 5, 7, 8, 17. Samples JM 6 and 22 are such dregs of samples JM 2 and 8, which show that DT would not contaminate the elements of interest, but need to be removed to prevent dilution. Clay cannot be removed easily, but shows as typical clay elements Ce, Cr, La, Li, Ni, Rb, Sc, V. These are therefore not anomalies.

Black swamp muck (M) sample JM 20 from 70 cm depth was taken at JM 19 (K) and as usual for M returned no values of interest, and like JM 1 is useful as a blank test. Results of test samples JM 23 - 25 and lab tests were satisfactory.

Analyses

All 25 samples, JM 1 to 25, were analyzed by ALS Vancouver, with ME-MS41L - super trace aqua regia - 0.45 g aliquots for 53 elements. As this method is not reliable for gold at the levels of interest, sievings of K-samples JM 3, 5, 8, 17, 18, were also compacted into the 7 cm3 medium vials for instrumental neutron activation analysis, Code 2 B - vegetation, with double irradiation time at extra cost, by Activation Laboratories Limited. I have proven the use of decayed vegetation to find gold on many occasions, therefore found the five samples sufficient proof here. Please study the attached maps for silver, copper, zinc, indium, cadmium, lead, mercury, and the two lab certificates, to convince yourself of the great advantage of knowing right from the start what values you can expect on your claims, if any.

In comparison with other projects, the 787 ppm Cu and 1910 ppm zinc with 5630 ppb cadmium are considered high, but the 1250 ppb silver and 20 ppb gold moderate. The 876 ppb indium, 623 ppb mercury, and 69 ppm lead, may be taken as pathfinders for these other elements. Fortunately only gold needed the above separate lab method.

Conclusion and Recommendation

The anomalous values in decayed vegetation between the two drill holes, agree with all the elements extracted from the Jamieson Mine, namely copper, zinc, silver, gold. This should be enough additional proof that the method can be used to prioritize drill targets, or to project mineralized zones, and even to evaluate claims before any other exploration or even their condemnation.

Respectfully submitted,

Timmins, 19 April 2022 by Hermann Daxl, M.Sc.(Minex), Claim Holder

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: HERMANN DAXL
39-630 RIVERPARK RD
TIMMINS ON P4P 1B4

Finalized Date: 10-DEC-2021
Account: DAXHER

CERTIFICATE VA21290551

Project: JAMINE

<250µm Sieved decayed vegetation

This report is for 25 samples of Vegetation submitted to our lab in Vancouver, BC, Canada on 26-OCT-2021.

The following have access to data associated with this certificate:

HERMANN DAXL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21q	Received Wet Sample Wt in grams
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE		DESCRIPTION	INSTRUMENT
ME-MS41L	0.45 g	Super Trace Lowest DL AR by ICP-MS	Aqua Regia

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

< 250 micron decayed vegetation (K)

0.45 g by SuperTrace Aqua Regia ICP-MS

To: HERMANN DAXL
39-630 RIVERPARK RD
TIMMINS ON P4P 1B4

Project: JAMINE

Finalized Date: 10-DEC-2021
Account: DAXHER

CERTIFICATE OF ANALYSIS VA21290551

Vol.% sand silt clay	Sample Description / Method / Analyte / Units / LOD	WEI-21g Wet Wt. g 0.01	ME-MS41L Au ppm 0.0002	ME-MS41L Ag ppm 0.001	ME-MS41L Al % 0.01	ME-MS41L As ppm 0.01	ME-MS41L B ppm 10	ME-MS41L Ba ppm 0.5	ME-MS41L Be ppm 0.01	ME-MS41L Bi ppm 0.0005	ME-MS41L Ca % 0.01	ME-MS41L Cd ppm 0.001	ME-MS41L Ce ppm 0.003	ME-MS41L Co ppm 0.001	ME-MS41L Cr ppm 0.01	ME-MS41L Cs ppm 0.05
0	JM1 blank M155	4.12	<0.0002	0.027	0.13	1.35	<10	22.5	0.05	0.0179	1.61	0.207	1.580	0.319	1.07	0.057
30 DT	JM2 K clayey	5.54	0.0030	0.487	0.66	2.52	10	68.7	0.22	0.381	0.77	2.03	16.50	6.24	14.60	0.460
2 DT	JM3 K	5.98	0.0060 14	0.686	0.32	8.79 6.84	10	70.0	0.10	1.525	1.00	5.37	8.77	14.50	6.26 18.4	0.292
0	JM4 K	5.75	0.0016	0.484	0.14	3.17	10	51.5	0.04	0.403	1.90	5.63	3.07	5.07	3.19	0.188
0	JM5 K	5.44	0.0188 20	1.250	0.25	15.60 13.60	<10	54.4	0.06	2.10	0.41	3.33	3.68	4.05	2.57 12,8	0.167
80 DT	JM6 OF JM 2	6.32	0.0005	0.072	0.19	0.72	<10	13.4	0.06	0.0875	0.15	0.319	13.10	1.535	5.60	0.178
2 DT	JM7 K	5.96	0.0030	0.298	0.28	3.46	<10	48.6	0.08	0.508	0.48	0.776	4.72	1.780	4.62	0.239
4 DT	JM8 K	5.88	0.0040 6	0.266	0.23	5.39 4.44	<10	103.5	0.06	0.923	0.59	1.200	4.79	1.575	4.24 16.9	0.264
0	JM9 K	5.93	0.0017	0.080	0.13	2.13	10	47.8	0.06	0.289	3.16	0.859	2.70	1.510	2.76	0.148
0	JM10 K	5.44	0.0016	0.032	0.06	2.06	<10	22.5	0.02	0.331	0.89	0.516	1.245	0.594	1.82	0.078
0	JM11 K	5.79	0.0017	0.066	0.09	1.54	10	18.8	0.06	0.297	2.86	0.482	2.69	0.710	1.77	0.082
0	JM12 K	5.61	0.0010	0.071	0.09	1.87	10	26.9	0.04	0.258	3.12	0.720	1.775	1.100	1.89	0.099
0	JM13 K	5.72	0.0031	0.074	0.09	3.02	10	19.1	0.04	0.417	1.39	0.910	1.775	0.962	2.33	0.114
0	JM14 K	5.43	0.0010	0.047	0.07	1.95	10	17.5	0.02	0.296	1.39	0.908	1.375	0.609	1.64	0.117
0	JM15 K	5.44	0.0023	0.042	0.06	1.75	10	14.7	0.02	0.252	1.47	0.842	1.060	0.552	1.40	0.096
0	JM16 K	5.85	0.0058	0.113	0.18	3.27	10	66.2	0.10	0.483	3.51	1.150	3.46	2.23	3.23	0.155
1 DT	JM17 K	5.46	2 0.0371 5	0.214	0.25	3.85 4.19	10	45.9	0.10	0.449	1.73	1.390	5.74	2.67	5.62 16,2	0.281
0	JM18 K	6.60	2 0.0192 4	0.146	0.14	3.64 3.30	10	29.5	0.07	0.462	2.48	1.425	2.54	1.880	2.60 12,5	0.175
0	JM19 K	6.04	0.0020	0.058	0.09	2.80	10	14.7	0.03	0.394	1.37	1.180	1.670	1.070	1.93	0.153
0	JM20 M at 70 cm depth	5.59	0.0004	0.026	0.13	0.29	10	28.3	0.08	0.0143	4.03	0.285	2.01	0.541	2.43	0.092
0	JM21 K	5.78	0.0056	0.076	0.09	2.89	10	13.7	0.03	0.368	2.46	1.040	1.825	1.090	2.42	0.121
50 DT	JM22 OF JM 8	5.61	0.0017	0.096	0.12	2.59	<10	35.9	0.02	0.370	0.20	0.447	5.20	0.732	2.59	0.170
TEST	JM23 OREAS 45e	6.11	0.0518 ✓	0.257	3.64	13.15 ✓	10	139.0	0.43	0.245 ✓	0.04	0.020	17.10	55.4 ✓	907 ✓	0.681 ✓
0	JM24 K = 7923 by AR ACTL	5.31	0.0003	0.130 ✓	0.08	0.61 ✓	10	91.2	0.03	0.143 0.13	0.52	0.467 ✓	1.220	0.889	1.18	1.775 2.06
0	JM25 K = 7929 "	5.42	0.0004	0.218 ✓	0.34	0.89 0.6	10	226	0.16	0.948 3.01	0.67	1.195 ✓	8.92	11.00	15.90 ✓	4.29 4.74

The < 250 µm sievings of JM 2, 3, 5, 7, 8, 17, were swirled in dry plastic gold pan to remove much inorganic dregs.
The 80% sand-silt dregs of JM 2 submitted as JM 6 show that dregs carry no gold, but dilute values. See also JM 8 versus JM 22.

Tests incl. lab duplicates are acceptable.
GOLD is more reliable by neutron activation (INAA), values for JM 17 + 18 above seem wrong.
Arsenic agrees ± by INAA, is somewhat anomalous ✓.
Cadmium correlates with Zinc, as usual.
Anomalies: strong Cu-Zn, moderate Au-Ag, minor Hg-In-Pb.

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: HERMANN DAXL
39-630 RIVERPARK RD
TIMMINS ON P4P 1B4

Finalized Date: 10-DEC-2021
Account: DAXHER

< 250 micron decayed vegetation (K)
0.45g by Super Trace Aqua Regia ICP-MS

Project: JAMINE

CERTIFICATE OF ANALYSIS VA21290551

Vol.% sand silt clay	Sample Description / Method Analyte Units LOD	ME-MS41L Cu ppm 0.01	ME-MS41L Fe % 0.001	ME-MS41L Ga ppm 0.004	ME-MS41L Ge ppm 0.005	ME-MS41L Hf ppm 0.002	ME-MS41L Hg ppm 0.004	ME-MS41L In ppm 0.005	ME-MS41L K % 0.01	ME-MS41L La ppm 0.002	ME-MS41L Li ppm 0.1	ME-MS41L Mg % 0.01	ME-MS41L Mn ppm 0.1	ME-MS41L Mo ppm 0.01	ME-MS41L Na % 0.001	ME-MS41L Nb ppm 0.002
0	JM1 blank MISS	3.29	0.164	0.356	0.007	0.006	0.056	<0.005	<0.01	0.840	<0.1	0.06	4.2	0.29	0.010	0.065
30 DT C	JM2 K clayey	177.5	0.860	3.13	0.041	0.007	0.128	0.115	0.13	8.26	6.3	0.23	427	0.37	0.011	0.746
2 DT	JM3 K	739	0.830	1.665	0.046	0.011	0.362	0.661	0.08	4.62	2.2	0.12	613	0.64	0.008	0.379
0	JM4 K	202	0.400	0.556	0.023	0.014	0.180	0.132	0.07	1.665	0.8	0.16	540	0.46	0.007	0.128
0	JM5 K	787	0.830	1.015	0.053	0.008	0.623	0.876	0.07	1.865	0.4	0.06	115.0	0.64	0.007	0.099
80 DT	JM6 OF JM 2	31.3	0.320	1.115	0.024	0.004	0.020	0.022	0.03	6.30	2.0	0.06	91.0	0.10	0.005	0.355
2 DT	JM7 K	84.0	0.390	1.520	0.024	0.005	0.197	0.090	0.06	2.56	0.9	0.07	202	0.47	0.010	0.322
4 DT	JM8 K	134.0	0.430	1.310	0.027	0.004	0.241	0.132	0.07	2.70	0.6	0.06	700	0.54	0.007	0.215
0	JM9 K	46.2	0.280	0.381	0.022	0.025	0.179	0.054	0.06	2.89	0.4	0.22	1600	0.81	0.012	0.094
0	JM10 K	31.4	0.164	0.277	0.011	0.006	0.199	0.047	0.08	0.629	0.1	0.08	170.5	0.42	0.011	0.065
0	JM11 K	28.3	0.156	0.272	0.029	0.014	0.167	0.045	0.06	3.30	0.2	0.16	276	0.29	0.010	0.075
0	JM12 K	33.7	0.220	0.318	0.018	0.019	0.186	0.044	0.05	1.185	0.3	0.20	948	0.49	0.011	0.076
0	JM13 K	70.5	0.199	0.382	0.024	0.014	0.187	0.080	0.06	1.025	0.2	0.12	93.1	0.45	0.011	0.097
0	JM14 K	39.6	0.144	0.275	0.013	0.008	0.173	0.052	0.08	0.810	0.1	0.12	272	0.44	0.013	0.065
0	JM15 K	35.8	0.115	0.224	0.013	0.007	0.186	0.047	0.06	0.601	0.1	0.13	120.0	0.38	0.012	0.052
0	JM16 K	74.6	0.400	0.639	0.034	0.024	0.299	0.091	0.05	2.78	0.7	0.23	2850	0.70	0.013	0.128
1 DT	JM17 K	184.5	0.540	1.010	0.029	0.033	0.213	0.133	0.05	2.99	1.0	0.16	378	0.63	0.015	0.266
0	JM18 K	89.8	0.290	0.629	0.037	0.023	0.233	0.099	0.04	1.365	0.3	0.15	528	0.89	0.009	0.146
0	JM19 K	74.9	0.178	0.416	0.023	0.012	0.220	0.089	0.04	0.881	0.1	0.11	112.0	0.51	0.012	0.090
0	JM20 M at 70 cm	16.30	0.143	0.296	0.012	0.036	0.070	<0.005	<0.01	1.540	<0.1	0.22	144.5	3.40	0.007	0.079
0	JM21 K	74.6	0.216	0.400	0.016	0.015	0.189	0.076	0.05	0.916	0.3	0.19	252	0.59	0.013	0.096
50 DT	JM22 OF JM 8	60.6	0.229	0.775	0.013	0.002	0.075	0.050	0.03	2.72	0.4	0.03	236	0.27	0.005	0.141
TEST	JM23 OREAS 45e	768 ✓	24.2	14.15	0.354	0.705	0.013	0.081 ✓	0.06	6.56	3.3	0.10	417	1.86 ✓	0.031	0.188
0	JM24 K = 7923	9.11 ✓	0.090 ✓	0.255	0.012	0.004	0.200 ✓	0.007	0.11	0.727 ✓	0.1	0.07	657	1.75 1.42	0.008	0.059
0	JM25 K = 7929	14.10 ✓	0.390 0.30	1.040	0.020	0.005	0.180 ✓	0.013	0.12	4.52 ✓	2.9 ✓	0.14	3500	2.73 2.11	0.012	0.235

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: **HERMANN DAXL**
39-630 RIVERPARK RD
TIMMINS ON P4P 1B4

Finalized Date: 10-DEC-2021
Account: DAXHER

Project: JAMINE

CERTIFICATE OF ANALYSIS VA21290551

Vol.% sand silt clay

Sample Description	Method Analyte Units LOD	ME-MS41L Ni ppm 0.04	ME-MS41L P % 0.001	ME-MS41L Pb ppm 0.005	ME-MS41L Pd ppm 0.001	ME-MS41L Pt ppm 0.002	ME-MS41L Rb ppm 0.005	ME-MS41L Re ppm 0.0002	ME-MS41L S % 0.01	ME-MS41L Sb ppm 0.005	ME-MS41L Sc ppm 0.005	ME-MS41L Se ppm 0.003	ME-MS41L Sn ppm 0.01	ME-MS41L Sr ppm 0.01	ME-MS41L Ta ppm 0.005	ME-MS41L Te ppm 0.003
JM1 blank		1.09	0.029	0.982	<0.001	<0.002	0.189	0.0004	0.15	0.021	0.196	0.714	0.06	70.6	<0.005	0.003
JM2 K clayey		10.40	0.078	23.2	<0.001	<0.002	12.10	0.0003	0.09	0.233	0.921	0.978	0.65	19.65	<0.005	0.026
JM3 K		7.72	0.090	68.9	<0.001	<0.002	5.56	0.0010	0.16	0.553	0.664	4.59	1.13	22.8	<0.005	0.190
JM4 K		3.66	0.095	16.95	<0.001	<0.002	3.90	0.0005	0.21	0.273	0.618	1.795	0.42	23.8	<0.005	0.059
JM5 K		5.34	0.112	68.8	<0.001	<0.002	4.62	0.0009	0.24	0.816	0.619	7.98	1.25	8.50	<0.005	0.329
JM6 OF JM 2		2.89	0.017	5.38	<0.001	<0.002	4.21	<0.0002	0.01	0.041	0.591	0.154	0.19	5.24	<0.005	0.007
JM7 K		5.40	0.082	28.7	0.001	<0.002	3.78	0.0013	0.13	0.294	0.501	1.130	0.73	16.80	<0.005	0.054
JM8 K		5.16	0.078	40.8	<0.001	<0.002	5.16	0.0010	0.11	0.445	0.512	1.860	0.97	25.9	<0.005	0.130
JM9 K		4.07	0.069	16.40	<0.001	<0.002	2.73	0.0007	0.20	0.181	0.543	0.971	0.45	48.0	<0.005	0.036
JM10 K		2.56	0.056	12.15	<0.001	<0.002	2.70	0.0007	0.16	0.199	0.426	0.900	0.33	21.6	<0.005	0.042
JM11 K		3.13	0.051	11.75	<0.001	<0.002	2.20	0.0008	0.16	0.183	0.393	0.894	0.31	42.5	<0.005	0.032
JM12 K		2.87	0.065	14.55	0.001	<0.002	2.24	0.0010	0.19	0.188	0.436	0.875	0.44	42.9	<0.005	0.027
JM13 K		3.42	0.056	20.4	<0.001	<0.002	2.44	0.0009	0.20	0.271	0.440	1.225	0.50	29.8	<0.005	0.051
JM14 K		2.60	0.066	12.10	<0.001	<0.002	3.82	0.0010	0.20	0.216	0.368	0.984	0.37	34.3	<0.005	0.033
JM15 K		2.49	0.058	10.30	<0.001	<0.002	2.93	0.0009	0.20	0.168	0.330	0.976	0.30	34.5	<0.005	0.027
JM16 K		4.99	0.077	34.5	<0.001	<0.002	2.59	0.0015	0.22	0.317	0.530	1.445	0.93	46.8	<0.005	0.064
JM17 K		4.99	0.089	31.3	<0.001	<0.002	4.44	0.0013	0.23	0.325	0.820	1.470	0.69	30.4	<0.005	0.040
JM18 K		3.70	0.076	33.5	<0.001	<0.002	2.14	0.0009	0.25	0.360	0.462	1.450	0.80	33.1	<0.005	0.041
JM19 K		2.85	0.065	23.7	<0.001	<0.002	2.65	0.0008	0.21	0.274	0.409	1.170	0.59	23.5	<0.005	0.037
JM20 M at 70 cm		3.60	0.023	0.770	<0.001	<0.002	0.538	0.0024	0.65	0.037	0.579	1.815	0.04	52.0	<0.005	0.003
JM21 K		2.64	0.063	18.30	0.002	<0.002	2.24	0.0009	0.19	0.244	0.427	1.040	0.46	34.4	<0.005	0.041
JM22 OF JM 8		2.23	0.027	14.65	<0.001	<0.002	2.59	0.0004	0.04	0.219	0.370	0.630	0.44	9.53	<0.005	0.066
JM23 OREAS 45e		424 357	0.030	12.75 ✓	0.059 0.075	0.101 ✓	7.84	0.0002	0.04 ✓	0.520	86.5	1.635	0.84	3.98	<0.005	0.093
JM24 K = 7923		6.35 ✓	0.106	7.42 ✓	0.001	<0.002	6.65	0.0005	0.18 ✓	0.194	0.259	0.636	0.47 ✓	26.1 ✓	<0.005	0.007
JM25 K = 7929		28.3 ✓	0.143	21.7 ✓	0.001	<0.002	9.63	0.0005	0.16 ✓	0.194	0.499	0.660	0.64 0.91	34.3 ✓	<0.005	0.016

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: HERMANN DAXL
39-630 RIVERPARK RD
TIMMINS ON P4P 1B4

Finalized Date: 10-DEC-2021
Account: DAXHER

Project: JAMINE

CERTIFICATE OF ANALYSIS VA21290551

Vol% sand silt clay	Sample Description	Method Analyte Units LOD	ME-MS41L Th ppm 0.002	ME-MS41L Ti % 0.001	ME-MS41L Tl ppm 0.001	ME-MS41L U ppm 0.005	ME-MS41L V ppm 0.1	ME-MS41L W ppm 0.001	ME-MS41L Y ppm 0.003	ME-MS41L Zn ppm 0.1	INAA	ME-MS41L Zr ppm 0.01	INORGANIC TOP at cm depth
0	JM1	blank	0.020	0.002	0.009	0.070	2.0	0.018	0.495	3.6		0.21	
30 DTC	JM2	K clayey	0.195	0.032	0.066	0.249	16.9	0.116	2.89	622		0.42	– 5 beige clay, 25 m trees, above slope to creek.
2 DT	JM3	K	0.235	0.013	0.071	0.153	8.8	0.242	2.02	1500	1350	0.47	– downslope from outcrop, 20 m mixed trees.
0	JM4	K	0.150	0.005	0.041	0.078	5.6	0.169	1.080	1910		0.65	– probably near bedrock, 20 m mixed trees.
0	JM5	K	0.134	0.004	0.063	0.079	4.7	0.357	1.345	851	737	0.38.	– base of big slope with outcrops, 20 m mixed trees
80 DT	JM6	OF JM 2	1.365	0.019	0.020	0.216	8.1	0.040	1.320	94.0		0.17	
2 DT	JM7	K	0.109	0.013	0.053	0.124	7.9	0.143	0.865	173.0		0.24	– 5 leached sand, enriched brown at 10 cm depth.
4 DT	JM8	K	0.124	0.010	0.072	0.122	6.9	0.195	0.788	296	286	0.17	– 5 " " " " " " "
0	JM9	K	0.242	0.003	0.064	0.169	3.1	0.114	4.04	195.5		0.76	– 100 sand
0	JM10	K	0.059	0.002	0.017	0.036	2.3	0.112	0.321	137.0		0.27	– near outcrop
0	JM11	K	0.059	0.002	0.038	0.059	2.7	0.082	3.25	76.5		0.37	– black swamp muck > 120 cm deep
0	JM12	K	0.103	0.002	0.050	0.081	2.2	0.062	1.425	169.5		0.53	– " " " > 110 cm "
0	JM13	K	0.128	0.003	0.037	0.062	2.9	0.129	1.020	175.5		0.58	– 60 fine sand
0	JM14	K	0.080	0.002	0.041	0.045	2.1	0.108	0.617	139.5		0.32	– black swamp muck > 120 cm "
0	JM15	K	0.061	0.002	0.033	0.041	1.8	0.137	0.469	176.5		0.29	– " " " > 120 cm "
0	JM16	K	0.185	0.004	0.085	0.146	3.8	0.095	3.46	269		0.84	– " " " > 120 cm "
1 DT	JM17	K	0.328	0.009	0.056	0.223	7.1	0.216	2.37	403	331	1.24	– 10 beige sand
0	JM18	K	0.181	0.004	0.055	0.232	4.4	0.111	1.185	280	253	0.80	– 50 fine sand
0	JM19	K	0.118	0.003	0.031	0.060	2.9	0.115	0.553	270		0.47	
0	JM20	M at 70 cm	0.257	0.002	0.015	2.95	10.6	0.010	3.23	26.1		1.76	– black swamp muck > 120 cm deep (M)
0	JM21	K	0.126	0.003	0.035	0.071	2.8	0.151	0.584	199.5		0.52	– " " " " "
50 DT	JM22	OF JM 8	0.334	0.007	0.032	0.139	4.7	0.088	0.496	113.5		0.10	
TEST	JM23	OREAS 45e	10.25	0.122	0.060	1.700	306	0.086	5.52	34.1 ✓		28.0	– STANDARD
0	JM24	K = 7923	0.011	0.002	0.100	0.046	1.7	0.045	0.221	91.1	86 AR	0.17	– TEST ACROSS BATCHES
0	JM25	K = 7929	0.087	0.011	0.207	0.132	6.9	0.074	1.325	183.0	163 AR	0.14	– " " "

Zn agrees ± with INAA as usual at levels of interest.

Clayey JM2: Contamination shows by typical clay elements Ce, Cr, La, Li, Ni, Rb, Sc, V.
These are not anomalies. Swirling removes sand and silt, but hardly clay.
La and Ce are usually high also in sand-silt.

Quality Analysis ... **Actlabs** *Innovative Technologies*

Report No.: A22-00225
Report Date: 04-Apr-22
Date Submitted: 10-Jan-22
Your Reference: MUW 3-655-NA

Hermann Daxl
39-630 Riverpark Road
Timmins Ontario P4P 1B4
Canada

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

33 Vial samples were submitted for analysis. decayed vegetation sievings < 250 µm, compacted.

The following analytical package(s) were requested:		Testing Date:
2B-~~DG~~ see mass net in 7 cm³	QOP INAAGEO (Vegetation INAA)	2022-03-28 19:58:19

- vegetation-2B vials, not briquettes — double irradiation time, neutron activation

REPORT **A22-00225**

Notes:

Footnote: INAA data may be suppressed due to high concentrations of some analytes.

SCC Accredited LAB Accrédité CCN

LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control
Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

< 250 micron decayed vegetation (K) by neutron activation - vegetation 2B, medium vials, double irradiation time.

Results **Activation Laboratories Ltd.** **Report: A22-00225**

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
JM3 K 2 % DT	14.1	< 0.3	6.84	171	15.70	0.40	21.0	18.4	< 0.05	1.200	0.60	1.58	< 0.1	3.40	< 0.05	3360	< 2	16	0.750	2.06
JM5 K ~~0~~	19.5	< 0.3	13.60	< 5	16.70	0.61	6.4	12.8	< 0.05	1.060	1.39	0.14	< 0.1	2.98	1.44	926	< 2	< 1	0.980	1.39
JM8 K 4 % DT	5.5	< 0.3	4.44	257	10.50	< 0.01	4.0	16.9	0.89	0.790	0.67	2.62	< 0.1	2.35	< 0.05	5450	< 2	8	0.540	2.20
JM17 K 1 % DT	4.9	< 0.3	4.19	107	18.20	2.18	5.8	16.2	1.15	0.810	0.82	1.21	< 0.1	2.37	1.01	2590	< 2	< 1	0.450	1.91
JM18 K ~~0~~	3.8	< 0.3	3.30	< 5	22.10	2.70	4.0	12.5	< 0.05	0.450	< 0.05	0.21	< 0.1	2.60	1.35	972	< 2	< 1	0.460	1.08

Results **Activation Laboratories Ltd.** **Report: A22-00225**

Analyte Symbol	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	100	0.05	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005	net
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
JM3 K 2 % DT	2.1	< 100	< 0.05	1.6	< 0.01	< 0.05	1350	9.07	17.6	12.1	1.610	0.23	< 0.1	0.060	0.680	2.96
JM5 K ~~0~~	6.8	< 100	< 0.05	1.0	< 0.01	< 0.05	737	4.38	8.2	1.8	0.800	0.14	< 0.1	0.010	0.380	2.64
JM8 K 4 % DT	< 0.1	< 100	< 0.05	2.2	0.51	< 0.05	286	7.21	13.1	1.5	1.100	< 0.05	< 0.1	0.080	0.520	3.04
JM17 K 1 % DT	< 0.1	< 100	< 0.05	1.3	< 0.01	< 0.05	331	6.37	13.4	11.5	1.270	0.05	< 0.1	0.120	0.570	3.08
JM18 K ~~0~~	< 0.1	< 100	< 0.05	0.6	< 0.01	< 0.05	253	3.62	6.1	2.5	0.660	< 0.05	< 0.1	0.010	0.150	2.94

This is the most reliable method for gold in decayed vegetation.

NAD 83 UTM Zone 17 **Jamieson Mine, Godfrey Township**

(K-Samples are composites of 6 spots in 15 m radius plotted in the center)

Sample #	Easting 45	Northing 537 . . . .
JM 2	8433	6155
JM 3	8437	6036
JM 4	8454	5952
JM 5	8423	5825
JM 7	9158	5740
JM 8	8982	5819
JM 9	9197	5880
JM 10	9193	5973
JM 11	9214	6066
JM 12	9188	6136
JM 13	9063	5982
JM 14	9077	6042
JM 15	9092	6120
JM 16	9075	6181
JM 17	8978	5980
JM 18	8965	6159
JM 19	9004	6095
JM 20 M	"	"
JM 21	9130	5913

LOG OF WORK BY H. DAXL - K-SAMPLING JAMIESON MINE

2021:

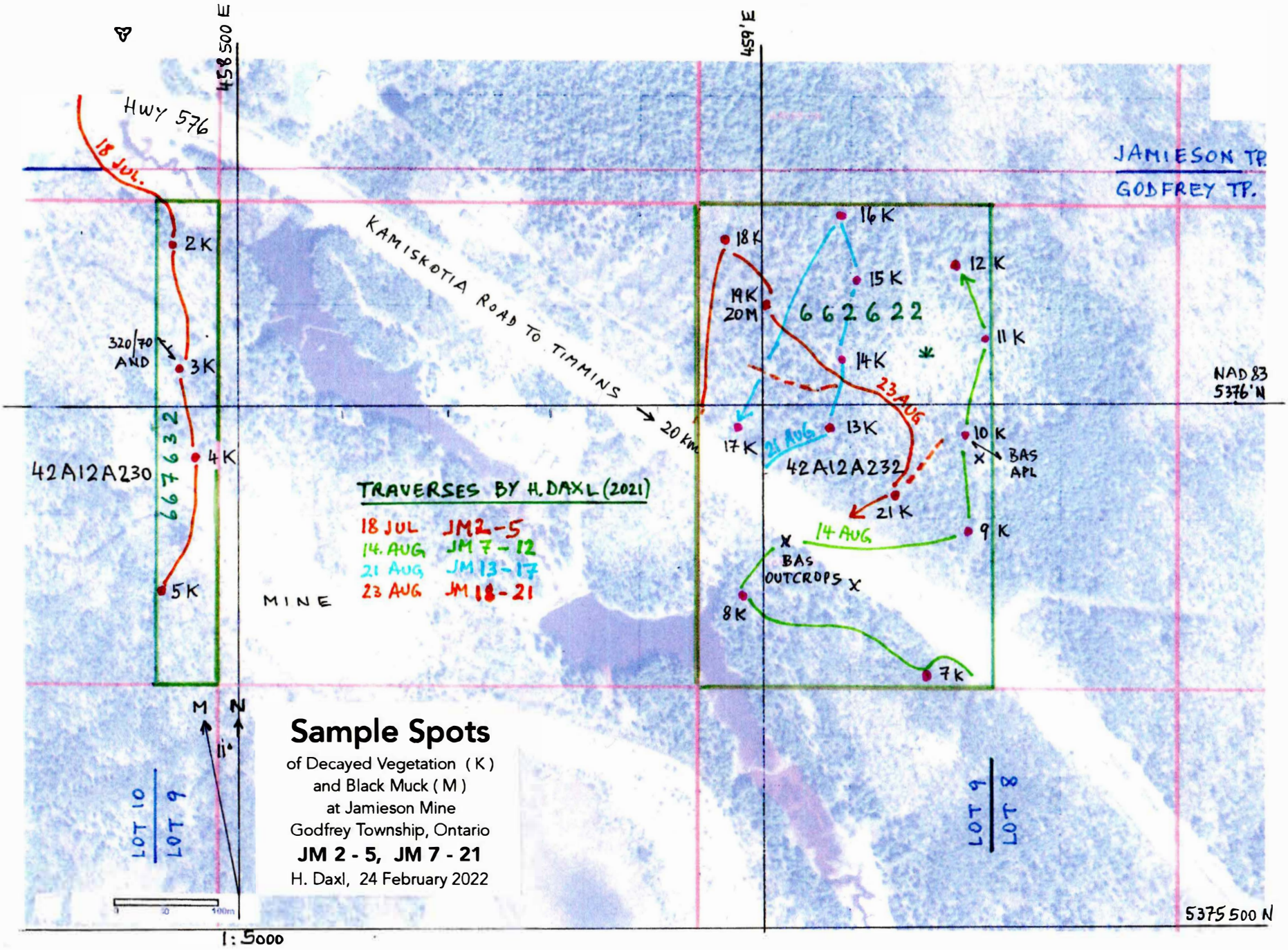
*	18 July	Collect samples JM2-5, find access, neighbors.
	19 "	Prep samples JM1-6 Drying. Plot, start maps.
	23 "	Sieving, pan sands.
*	14 Aug	Collect JM 7 - 12
	15 "	Drying, plot, start maps.
	16 "	Sieving, study info, plan traverse.
*	21 "	Collect JM 13 - 17
	22 "	Drying, plot, sachets, envelopes.
*	23 "	Collect JM 18 - 21
	24 "	DRY + Sieving.
	25 "	Sieving, weigh, write P.O., study lab procedures.
	18 Oct.	Split sachets, pack, ship.
	10 Dec.	Study lab results, select for N.A. repeats

2022:

23 Feb.	Make maps.
24 "	UTM list, copied maps
14 APRIL	Study N.A. results, compare values,
15 "	Annotate lab certificates.
16 "	More maps, study, compare results.
17 "	Write report draft.
18 "	Rewrite
19 "	Finalise report.

21 Days TOTAL:

* 4 field days
8 sample preparation.
9 report
21 Days



Sample Spots

of Decayed Vegetation (K)
and Black Muck (M)
at Jamieson Mine
Godfrey Township, Ontario

JM 2 - 5, JM 7 - 21

H. Daxl, 24 February 2022