

GEOCHEMICAL REPORT

CATHY 1-14 CLAIMS

GRANT # YC23672-YC23685

NTS # 115 013

094487

LAT: 63° 13' N

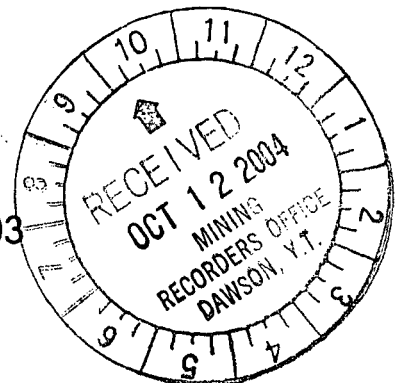
LONG: 139°28' W

DAWSON MINING DISTRICT

AUTHOR OF REPORT SHAWN RYAN

WORK PERFORMED JULY 22 - JULY 30, 2003

DATE OF REPORT May 25, 2004



Costs associated with this report have been  
approved in the amount of \$ 2,800  
for assessment credit under Certificate of  
Work No. 2D00491

Kathryn Perry

Mining Recorder  
Dawson City Mining District

## SUMMARY

The Cathy 1-14 were staked to cover similar geology and magnetic signature as the Lucky Joe target found 25 miles to the north. A regional soil survey undertaken during the summer field season of 2003 covered the ridge top on the Cathy 1-14 claims. Soil sample indicated one area with a copper and gold soil anomaly. The soil survey also revealed an arsenic, antimony and nickel anomaly found on the eastern edge of the claim block. I suspect this combination of soil anomalies indicated alteration found along a potential gabbro unit.

### 1.0 INTRODUCTION

The Cathy 1-14 YC23672-YC23685 claims will be renewed for one year.

### 2.0 LOCATIONS AND ACCESS

The Cathy 1-14 claims are located on NTS 115 O / 3 in the Dawson Mining District. The Property lies 84 kilometers south of Dawson City, Yukon. The claim block covers a large west-facing ridge overlooking the Yukon River. Access is via helicopter from Dawson City, Yukon.

### 3.0 PROPERTY DESCRIPTION

The Property consists of 14 full Quartz mining claims, which are registered in the Dawson Mining District. The Property is 900 meters wide by 3.15 kilometers long and covers 288.4 hectares or 722.4 acres.

### 4.0 PHYSIOGRAPHY

The property lies between the elevations of 2400 feet and 3400 feet. The entire property is covered with boreal forest vegetation such as white spruce and poplar on well-drained soil and black spruce on poorly drained frozen north facing slope.

## 5.0 REGIONAL AND PROPERTY GEOLOGY

### 5.1 REGIONAL GEOLOGY

The Yukon-Tanana Terrane in the Stewart River area consists of twice transposed, amphibolite-facies gneiss and schist of mostly of (?) Paleozoic age. Quartz-rich metaclastic rocks (quartzite, quartz-mica schist, psammite, conglomerate) appear to have deposited during the mid-Paleozoic, rather than the Proterozoic as previously suspected. Broadly contemporaneous amphibolite of intermediate to mafic composition interdigitates with, and lies structurally (and possibly stratigraphically) above, the metaclastic rocks. Extensive orthogneiss (including augen granite) intrudes both. The orthogneiss and amphibolite formed the subvolcanic root and volcanic cover, respectively, of a Devonian-Mississippian island arc. These rocks served in turn as basement to a Permian magmatic arc, manifested as the Klondike schist and related plutons. A co-magmatic Permian orogeny resulted in extensive transposition and metamorphism of the mid- and late Paleozoic rocks. The Lucky Joe Cu-Au occurrence, of recent interest in the area, occurs generally within the complex, possibly structurally modified interface between metaclastic and amphibolite successions. (Geology report from Ryan and Gordey 2003)

### 5.2 PROPERTY GEOLOGY

The GSC Open File 1772 Geology of Stewart River Area indicates that the Cathy 1-14 claims are found covering Mid to Late Paleozoic, Metavolcanic amphibolite and Metasedimentary quartz-mica schist. I also believe that the soil geochemistry is indicating that some of the GSC mapped amphibolite could potentially be altered gabbro.

## 6.0 WORK PROGRAM / METHODS

### 6.1 SOIL WORK

The soil work consists of flying out to the property and getting let off at the top of the ridge system. Soil sample where taken with soil augers at an average depth of 60 centimeter. Field sample sites where marked with an orange flagging tape with sample number. Aluminum metal tag was also tied to a tree next to the sample site with the sample number imprinted on the tag. Soil sample where place in cotton or Kraft soil bags. A sample description of the color, depth, slope, horizon and UTM location was noted in field notes. A Garmin 76 GPS was used to get the exact UTM location. All GPS soil sample location where electronically downloaded every evening back in base camp. Soil sample where taken at 200 meter intervals on soil traverse. All soil sample where sent to Chemex Lab and sieve to minus 80 mesh and process with fire assay for gold and ICP for all other elements.

### 7.0 INTERPRETATION

The Cathy claim block soil samples indicate one small area running with two anomalous soil samples. Sample number NA 11859 ran 73 ppb Au and 264 ppm Cu and sample number NA 16145 ran 112 ppb Au and 376 ppm Cu. These two sample are very good indicator for Lucky Joe type target but other samples in the area returned no anomalous value. What did show up was an arsenic, antimony and nickel soil anomaly found on the eastern part of the claim block. According to Thompson, 1996 book of Atlas of Alteration these elements could indicate carbonate type alteration found in mesothermal type environment. I believe this may be the case because I have notice mariposa alteration along a gabro unit found upstream from the mouth of the White River.

### 8.0 RECOMMENDATION

I would recommend a detail soil survey covering the eastern area of the Cathy 1-14 claims. Lines should be put in at 500-meter intervals and cover the magnetic high and low contact area. I would take soil on 50 meter spacing to guarantee good coverage over the magnetic gradient area.

## 9.0 REFERENCES CITED

Ryan, J.J., Gordey, S.P., Glombick, P., Piercey, S.J., and Villeneuve, M.E., 2003: Update on Bedrock geological mapping of the Yukon-Tanana Terrane, southern Stewart River map are, Yukon Territory. Current Research 2003.

Ryan, J.J. and Gordey, S.P. 2001. GSC Open File 3690 Geology of Thistle Creek Area, Yukon Territory.

Thompson, A.J.B. and Thompson, J.F.H. Atlas of Alteration, Geological Association of Canada, 1996.

## 10.0 QUALIFICATION

I Shawn Ryan located in Dawson City, Yukon work as a professional prospector. I run a small exploration company located in Dawson city.

I have worked in the exploration business for the last 22 years. I worked the first 12 years as a contractor working on numerous projects in the NWT, Ontario, Quebec and the Yukon. I have worked for the last 8 years as a local prospector for myself.

I have being trained to run various geophysical instruments and surveys such as magnetic surveys, max-min surveys, induce polarity surveys and Vlf surveys.

I have overseen the Stewart Regional Soil Project, which covered the Cathy 1-14 claims.

I own 100 % of the Cathy 1-14 claims and have now option the claims to International Gold Resource Inc.

Dated this 25 of May 2004 in Dawson City, Yukon.

Respectfully submitted

Shawn Ryan

A handwritten signature in black ink, appearing to read 'Shawn Ryan', with a long horizontal flourish extending to the right.

**11.0 COST**

<b>Assay Cost 50 sample @ \$22.00 per sample</b>	<b>\$1100.00</b>
<b>4 man days @ \$300.00 per day includes food</b>	<b>\$1200.00</b>
<b>Helicopter Transportation 1 hour minimum</b>	<b>\$1200.00</b>
<b>Report Writing Cost</b>	<b>\$300.00</b>
<b>Total</b>	<b>\$3800.00</b>

MAPINFO_ID	SAMPLEID	PROPERTY	GEOLOGIST	SAMPLEDA'	Au_ppb_	Ag_ppm_	Al_____	As_ppm_	B_ppm_	Ba_ppm_	Be_ppm_	Bi_ppm_	Ca_____	Cd_ppm_	Co_ppm_
839	NA11855	STEWART	LINLEY	08/10/2003	5	-0.2	1.34	31	-10	190	0.5	-2	0.3	-0.5	11
840	NA11856	STEWART	RYAN	08/10/2003	4	0.2	1.68	18	-10	250	0.7	-2	0.37	-0.5	10
841	NA11857	STEWART	LINLEY	08/10/2003	-1	-0.2	1.67	2	-10	130	-0.5	-2	0.26	-0.5	13
842	NA11858	STEWART	LINLEY	06/10/2003	4	-0.2	1.77	4	-10	240	-0.5	-2	0.2	-0.5	11
843	NA11859	STEWART	LINLEY	06/10/2003	73	-0.2	2.61	-2	-10	320	-0.5	-2	0.34	-0.5	25
844	NA11860	STEWART	LINLEY	08/10/2003	5	-0.2	2.83	3	-10	380	-0.5	-2	0.36	-0.5	22
845	NA11861	STEWART	LINLEY	08/10/2003	4	-0.2	2.16	5	-10	210	-0.5	-2	0.13	-0.5	11
846	NA11862	STEWART	LINLEY	08/10/2003	5	0.2	1.68	6	-10	130	-0.5	-2	0.37	-0.5	10
847	NA11863	STEWART	LINLEY	08/10/2003	2	-0.2	2.79	-2	-10	280	0.6	-2	0.62	-0.5	23
848	NA11864	STEWART	LINLEY	08/10/2003	5	-0.2	2.03	-2	-10	410	0.5	-2	0.35	-0.5	10
849	NA11865	STEWART	LINLEY	08/10/2003	2	-0.2	2.37	-2	-10	410	1.3	-2	0.37	-0.5	14
850	NA11866	STEWART	LINLEY	06/10/2003	1	-0.2	1.88	7	-10	230	-0.5	-2	0.17	-0.5	10
851	NA11867	STEWART	LINLEY	08/10/2003	5	-0.2	1.83	8	-10	210	0.5	-2	0.29	-0.5	12
852	NA11868	STEWART	LINLEY	08/10/2003	4	-0.2	1.88	4	-10	330	0.5	-2	0.25	-0.5	12
853	NA11869	STEWART	LINLEY	08/10/2003	1	-0.2	1.37	-2	-10	250	-0.5	-2	0.2	-0.5	11
2,568	NA13591	STEWART	ROBINSON	08/22/2003	-1	0.4	2.23	3	-10	270	-0.5	-2	0.38	-0.5	16
2,571	NA13588	STEWART	ROBINSON	08/22/2003	2	-0.2	2.47	16	-10	300	0.6	2	0.4	-0.5	16
2,570	NA13589	STEWART	ROBINSON	08/22/2003	2	-0.2	2.03	17	-10	250	-0.5	-2	0.26	-0.5	14
2,569	NA13590	STEWART	ROBINSON	08/22/2003	5	-0.2	1.78	11	-10	250	-0.5	-2	0.36	-0.5	13
2,315	NA13232	STEWART	RYAN	08/22/2003	3	-0.2	1.62	3	-10	500	-0.5	-2	0.36	-0.5	6
2,314	NA13233	STEWART	RYAN	08/22/2003	-1	-0.2	1.43	2	-10	330	-0.5	-2	0.44	-0.5	6
2,313	NA13234	STEWART	RYAN	08/22/2003	1	-0.2	1.08	4	-10	90	-0.5	-2	0.41	-0.5	5
2,312	NA13235	STEWART	RYAN	08/22/2003	-1	-0.2	1.32	7	-10	310	0.5	-2	0.3	-0.5	6
3,949	NA14950	STEWART	ROBINSON	07/28/2003	2	-0.2	1.63	10	-10	210	-0.5	-2	0.26	-0.5	9
3,965	NA15134	STEWART	ROBINSON	07/28/2003	3	-0.2	1.78	7	-10	230	-0.5	-2	0.23	-0.5	10
3,964	NA15135	STEWART	ROBINSON	07/28/2003	1	-0.2	1.8	3	-10	340	-0.5	-2	0.21	-0.5	15
3,963	NA15136	STEWART	ROBINSON	07/28/2003	4	-0.2	1.56	7	-10	210	-0.5	-2	0.26	-0.5	9
3,962	NA15137	STEWART	ROBINSON	07/28/2003	2	-0.2	1.7	5	-10	280	-0.5	-2	0.32	-0.5	13
3,961	NA15138	STEWART	ROBINSON	07/28/2003	1	-0.2	1.34	4	-10	200	-0.5	-2	0.33	-0.5	9
3,960	NA15139	STEWART	ROBINSON	07/28/2003	5	-0.2	1.44	4	-10	200	-0.5	-2	0.37	-0.5	10
3,959	NA15140	STEWART	ROBINSON	07/28/2003	10	-0.2	1.62	5	-10	300	-0.5	-2	0.39	-0.5	11
3,958	NA15141	STEWART	ROBINSON	07/28/2003	3	-0.2	2.49	7	-10	250	-0.5	-2	0.24	-0.5	14
3,957	NA15142	STEWART	ROBINSON	07/28/2003	3	-0.2	1.44	2	-10	250	-0.5	-2	0.26	-0.5	9
3,956	NA15143	STEWART	ROBINSON	07/28/2003	2	-0.2	2.12	4	-10	200	-0.5	-2	0.31	-0.5	13
3,955	NA15144	STEWART	ROBINSON	07/28/2003	2	-0.2	1.04	3	-10	210	-0.5	-2	0.24	-0.5	6
3,954	NA15145	STEWART	ROBINSON	07/28/2003	2	-0.2	1.58	2	-10	200	-0.5	-2	0.67	-0.5	11
3,953	NA15146	STEWART	ROBINSON	07/28/2003	4	-0.2	1.91	4	-10	250	-0.5	-2	0.45	-0.5	12
3,952	NA15147	STEWART	ROBINSON	07/28/2003	2	-0.2	1.99	2	-10	410	-0.5	-2	0.5	-0.5	18
3,951	NA15148	STEWART	ROBINSON	07/28/2003	3	-0.2	1.92	14	-10	310	-0.5	-2	0.47	-0.5	11
3,950	NA15149	STEWART	ROBINSON	07/28/2003	6	-0.2	1.62	13	-10	210	-0.5	-2	0.34	-0.5	10
3,970	NA15129	STEWART	ROBINSON	07/28/2003	3	-0.2	2.08	28	-10	250	0.6	-2	0.33	-0.5	11
3,969	NA15130	STEWART	ROBINSON	07/28/2003	3	-0.2	1.94	12	-10	280	0.6	-2	0.38	-0.5	11
3,968	NA15131	STEWART	ROBINSON	07/28/2003	5	-0.2	2.27	12	-10	260	0.5	-2	0.38	-0.5	12
3,967	NA15132	STEWART	ROBINSON	07/28/2003	3	-0.2	2.11	7	-10	180	0.5	-2	0.21	-0.5	12
3,966	NA15133	STEWART	ROBINSON	07/28/2003	1	-0.2	1.84	3	-10	250	-0.5	-2	0.23	-0.5	11
3,994	NA14729	CATHY GRID	HULSTEIN	07/28/2003	3	-0.2	1.49	18	-10	230	-0.5	2	0.29	-0.5	8
3,993	NA14730	CATHY GRID	HULSTEIN	07/28/2003	3	-0.2	2.02	29	-10	170	-0.5	2	0.19	-0.5	10
3,992	NA14731	CATHY GRID	HULSTEIN	07/28/2003	-1	-0.2	1.81	8	-10	160	-0.5	-2	0.68	-0.5	19
3,991	NA14732	CATHY GRID	HULSTEIN	07/28/2003	7	0.2	1.64	26	-10	190	-0.5	-2	0.28	-0.5	11
3,990	NA14733	CATHY GRID	HULSTEIN	07/28/2003	8	-0.2	1.66	9	-10	190	-0.5	-2	0.41	-0.5	12
3,989	NA14734	CATHY GRID	HULSTEIN	07/28/2003	1	0.3	1.13	6	-10	200	-0.5	-2	0.46	-0.5	11
3,988	NA14735	CATHY GRID	HULSTEIN	07/28/2003	2	0.2	1.52	-2	-10	230	-0.5	-2	0.81	-0.5	13
3,987	NA14736	CATHY GRID	HULSTEIN	07/28/2003	4	-0.2	1.74	-2	-10	230	-0.5	-2	0.53	-0.5	15
3,986	NA14737	CATHY GRID	HULSTEIN	07/28/2003	7	-0.2	1.82	-2	-10	150	-0.5	-2	0.29	-0.5	13
3,985	NA14738	CATHY GRID	HULSTEIN	07/28/2003	3	-0.2	1.81	2	-10	230	-0.5	-2	0.4	-0.5	12
3,984	NA14739	CATHY GRID	HULSTEIN	07/28/2003	7	0.2	1.8	3	-10	210	-0.5	-2	0.35	-0.5	11

Cr_ppm	Cu_ppm	Fe	Ga_ppm	Hg_ppm	K	La_ppm	Mg	Mn_ppm	Mo_ppm	Na	Ni_ppm	P_ppm	Pb_ppm	S	Sb_ppm	Sc_ppm
31	25	2.92	-10	-1	0.03	20	0.52	444	-1	0.01	24	220	10	-0.01	2	5
38	29	3.08	-10	-1	0.04	20	0.62	399	-1	0.02	27	330	9	0.01	2	7
91	117	2.58	-10	-1	0.09	10	1.09	500	-1	0.02	57	500	3	0.01	-2	3
31	23	2.58	-10	1	0.03	10	0.5	206	-1	0.01	22	180	15	-0.01	-2	3
75	264	3.14	-10	1	0.38	-10	2.13	1,205	-1	0.02	31	600	9	-0.01	3	4
113	65	3.53	10	-1	0.42	10	1.79	538	-1	0.02	35	450	10	-0.01	-2	4
48	24	2.7	-10	-1	0.03	10	0.51	235	1	0.01	26	180	17	0.01	-2	3
23	26	2.37	10	-1	0.05	-10	0.62	356	-1	0.01	14	1,430	10	0.01	-2	3
9	30	5.15	10	-1	0.12	10	1.5	892	-1	0.03	10	790	4	0.01	-2	15
33	11	3.02	10	-1	0.34	20	0.94	378	-1	0.01	15	840	6	-0.01	-2	5
20	10	4.12	10	-1	0.17	20	1	1,135	1	0.02	13	510	6	-0.01	-2	15
39	12	3.11	10	-1	0.1	10	0.52	335	-1	0.01	20	300	9	0.01	-2	3
38	22	3.06	10	-1	0.2	10	0.65	399	-1	0.01	23	480	9	0.01	3	5
36	19	2.88	10	1	0.07	10	0.68	343	1	0.02	21	220	8	-0.01	-2	5
15	61	2.32	-10	-1	0.13	-10	0.55	182	-1	0.01	13	350	7	0.01	-2	2
62	44	3.49	10	-1	0.04	10	0.82	809	-1	0.03	27	410	9	0.01	2	6
53	38	3.85	10	-1	0.05	20	0.74	512	-1	0.03	33	240	14	0.01	2	9
35	23	3.24	10	-1	0.04	10	0.5	870	1	0.02	24	600	14	0.02	3	4
37	30	3.07	10	-1	0.08	10	0.58	401	-1	0.02	26	530	11	0.01	2	5
17	5	2.23	10	-1	0.52	10	0.73	275	-1	0.01	10	900	2	-0.01	-2	3
23	3	2.42	10	-1	0.28	10	1.02	380	-1	0.02	8	1,020	2	-0.01	-2	8
35	7	1.4	-10	-1	0.05	-10	0.51	128	-1	0.03	10	720	4	-0.01	-2	3
18	17	2.94	-10	-1	0.29	10	0.57	211	-1	0.01	10	600	12	-0.01	-2	6
30	20	2.58	10	-1	0.04	20	0.48	280	1	0.01	24	290	7	0.01	-2	4
39	29	2.78	10	-1	0.07	10	0.58	285	1	0.01	27	250	11	0.01	-2	4
155	54	2.38	-10	-1	0.38	10	1.4	198	-1	0.02	61	130	3	-0.01	2	3
32	51	2.56	10	-1	0.04	10	0.57	259	-1	0.02	18	280	12	0.01	-2	4
38	51	2.74	-10	-1	0.11	10	0.77	405	1	0.01	25	240	8	0.01	-2	4
46	47	1.98	10	-1	0.15	10	0.81	216	1	0.01	19	530	7	-0.01	-2	3
28	71	2.52	-10	-1	0.12	10	0.68	319	1	0.02	23	670	8	-0.01	-2	7
54	49	2.82	-10	-1	0.13	10	0.94	284	1	0.02	23	610	5	0.01	-2	4
35	28	3.28	10	-1	0.1	10	0.77	286	-1	0.01	22	440	8	0.01	-2	4
35	33	2.18	10	-1	0.07	10	0.55	227	-1	0.01	14	640	9	0.01	-2	3
51	27	2.75	10	-1	0.1	10	0.83	228	-1	0.02	21	500	9	-0.01	-2	4
20	31	1.61	10	1	0.04	10	0.42	235	-1	0.02	12	400	8	0.02	-2	2
43	25	2.89	10	-1	0.07	10	0.66	509	-1	0.02	21	480	7	0.01	2	6
83	75	2.69	10	-1	0.05	10	0.95	482	1	0.02	43	500	11	0.01	-2	5
52	112	3.02	10	-1	0.11	10	1.25	420	1	0.03	39	770	6	0.01	-2	6
79	31	2.69	10	-1	0.05	10	0.76	306	1	0.02	73	530	9	0.01	2	5
33	25	2.63	-10	-1	0.05	20	0.52	261	1	0.02	23	490	11	0.01	-2	5
39	28	3.18	10	-1	0.04	20	0.62	382	1	0.02	30	280	9	-0.01	-2	7
40	29	3.05	-10	-1	0.05	20	0.58	356	1	0.02	27	210	9	-0.01	-2	7
42	30	3.12	10	-1	0.05	20	0.84	367	-1	0.02	29	490	5	0.01	-2	6
50	40	3.15	10	-1	0.06	10	0.66	349	1	0.02	29	270	8	-0.01	-2	5
32	23	2.88	10	1	0.06	10	0.54	685	1	0.01	21	270	7	0.01	-2	4
31	18	2.56	-10	-1	0.04	10	0.48	344	-1	0.01	19	400	8	0.01	4	4
36	23	3.15	10	-1	0.05	10	0.51	336	-1	0.01	23	280	13	0.01	2	4
339	22	2.43	-10	-1	0.07	10	2.85	183	-1	0.01	229	1,670	3	-0.01	2	7
43	26	2.76	-10	-1	0.05	10	0.47	325	1	0.01	38	520	11	0.01	2	4
48	58	2.59	10	-1	0.04	10	0.65	322	-1	0.02	25	600	4	0.01	-2	4
60	52	2.13	-10	-1	0.04	10	0.77	250	-1	0.02	49	690	3	0.01	2	4
47	78	2.33	-10	-1	0.11	10	1.08	464	-1	0.03	21	860	4	0.02	-2	5
48	79	3.02	10	-1	0.12	10	1.11	558	-1	0.02	24	760	-2	0.01	-2	7
52	119	2.52	10	-1	0.11	10	1.01	295	-1	0.01	25	530	2	0.01	2	3
52	54	2.62	10	-1	0.12	10	0.96	299	-1	0.02	19	570	6	0.01	2	4
49	102	2.6	10	-1	0.11	10	0.79	274	-1	0.02	19	570	4	0.01	2	3

Sr_ppm	Tl_ppm	Tl_ppm	U_ppm	V_ppm	W_ppm	Zn_ppm	SAMPLETYF	S_COLO	S_COLOM	S_DEPTH	S_DUNIT	S_ORGANIC	S_HORIZO	S_CLA	S_MOISTUR	S_SLOP	S_ENVIRONMEI	S_FROZE	S_DOM_F
26	0.08	-10	-10	59	-10	51	SL	BN		0.4	M		C		M				QZT
29	0.09	-10	-10	67	-10	55	SL	BN		0.3	M		B		H				SCH
11	0.13	-10	-10	68	-10	43	SL	BN		0.1	M		C		M				SCH
19	0.06	-10	-10	54	-10	44	SL	BN		0.25	M		C		L				SCH
13	0.19	-10	-10	97	-10	48	SL	BN		0.3	M		C		H				SCH
29	0.25	-10	-10	110	-10	48	SL	BN		0.3	M		C		M				SCH
14	0.07	-10	-10	61	-10	42	SL	BN		0.2	M		C		H				SCH
12	0.07	-10	-10	52	-10	50	SL	BN		0.2	M		C		L				QZT
31	0.06	-10	-10	155	-10	96	SL	BN		0.45	M		C		M				QZT
24	0.17	-10	-10	61	-10	39	SL	BN		0.4	M		C		M				QZT
27	0.05	-10	-10	69	-10	56	SL	BN		0.5	M		C		L				QZT
16	0.1	-10	-10	62	-10	40	SL	BN		0.3	M		C		M				
21	0.12	-10	-10	57	-10	45	SL	BN		0.55	M		C		M				QTZ
22	0.1	-10	-10	70	-10	46	SL	BN		0.35	M		C		M				QTZ
10	0.13	-10	-10	68	-10	44	SL	BN		0.3	M		C		M				
21	0.12	-10	-10	87	-10	63	SL	OL	QB	0.3	M	5	B	M	M	G	BDR	N	
32	0.14	-10	-10	90	-10	62	SL	BN	QD	0.5	M	5	B	H	M	F	BDR	N	
22	0.08	-10	-10	75	-10	56	SL	BN	QD	0.2	M	40	A	H	M	G	BDR	N	
27	0.11	-10	-10	67	-10	55	SL	BN	QU	0.5	M	10	B	H	M	G	BDR	N	
24	0.18	-10	-10	47	-10	29	SL	BN	QL	0.35	M		C	L	L	F	BDR	N	SCH
25	0.13	-10	-10	78	-10	26	SL	BN	QL	0.6	M		C	L	L	G	BDR	N	
10	0.07	-10	-10	44	-10	14	SL	BN	QD	0.4	M		C	L	L	G	BDR	N	AMP
20	0.09	-10	-10	66	-10	51	SL	OR	QL	0.4	M		C	L	L	M	COL	S	
22	0.1	-10	-10	64	-10	43	SL	BN	QL	0.4	M		A	L	L	G	BDR	N	
20	0.13	-10	-10	71	-10	45	SL	BN	QL	0.65	M		C	L	L	M	COL	N	
13	0.2	-10	-10	66	-10	41	SL	GN	QD	0.75	M		C	L	L	M	COL	N	
21	0.12	-10	-10	73	-10	52	SL	BN	QL	0.5	M		C	L	L	M	COL	N	
26	0.15	-10	-10	75	-10	48	SL	BN	QD	0.6	M		C	L	L	S	COL	N	
19	0.15	-10	-10	60	-10	28	SL	GN	QU	0.8	M		C	L	L	S	COL	N	
21	0.14	-10	-10	62	-10	53	SL	BN	QL	0.75	M		C	L	L	S	COL	N	
23	0.14	-10	-10	76	-10	40	SL	BN	QD	0.8	M		C	L	L	S	COL	N	
20	0.15	-10	-10	82	-10	49	SL	BN	QD	0.75	M		C	L	L	S	BDR	N	
20	0.1	-10	-10	62	-10	38	SL	GY	QU	0.75	M		C	L	L	F	BDR	N	
19	0.12	-10	-10	73	-10	42	SL	GY	QD	0.65	M		C	L	L	G	COL	N	
17	0.1	-10	-10	57	-10	29	SL	GY	QU	0.5	M	25	C	M	L	G	COL	N	
22	0.08	-10	-10	77	-10	43	SL	BN	QU	0.65	M		C	L	L	M	COL	N	
24	0.12	-10	-10	70	-10	64	SL	BN	QU	0.6	M		C	M	M	M	COL	N	
35	0.17	-10	-10	93	-10	65	SL	BN	QU	0.4	M		C	L	L	G	COL	N	
27	0.1	-10	-10	65	-10	52	SL	BN	QL	0.45	M		C	L	L	G	COL	N	
26	0.11	-10	-10	62	-10	54	SL	BN	QL	0.5	M		C	L	L	M	COL	N	
26	0.12	-10	-10	75	-10	56	SL	BN	QL	0.45	M		C	M	L	F	BDR	N	
30	0.13	-10	-10	75	-10	55	SL	BN	QU	0.5	M		C	L	L	G	BDR	N	
29	0.13	-10	-10	76	-10	53	SL	BN	QU	0.45	M		C	M	L	G	COL	N	
14	0.14	-10	-10	78	-10	52	SL	BN	QD	0.45	M		C	L	L	G	COL	N	
18	0.09	-10	-10	78	-10	59	SL	BN	QL	0.45	M		C	L	L	G	COL	N	
24	0.1	-10	-10	59	-10	58	SL	BN	QE	0.3	M	10	B	H	M	M	COL	N	SCH
20	0.1	-10	-10	71	-10	60	SL	BN	QE	0.25	M		B	M	L	M	BDR	N	SCH
24	0.06	-10	-10	57	-10	42	SL	OL	QL	0.7	M		C	L	L	M	COL	N	SCH
22	0.08	-10	-10	61	-10	64	SL	BN	QE	0.35	M	5	B	M	M	M	COL	N	SCH
24	0.12	-10	-10	65	-10	54	SL	OL	QE	0.5	M	5	B	M	M	M	COL	N	AMP
21	0.08	-10	-10	52	-10	45	SL	BN	QD	0.7	M	10	B	M	M	M	COL	N	AMP
28	0.12	-10	-10	66	-10	60	SL	BN	QD	0.5	M	15	B	L	H	S	COL	P	AMP
18	0.11	-10	-10	76	-10	74	SL	BN	QD	0.5	M	5	B	M	M	S	COL	N	AMP
16	0.15	-10	-10	72	-10	50	SL	BN	QE	0.25	M	5	B	M	L	S	COL	N	AMP
23	0.16	-10	-10	75	-10	54	SL	OL	QD	0.5	M	5	B	M	M	M	COL	N	AMP
22	0.15	-10	-10	69	-10	51	SL	GN	QD	0.5	M	7	B	M	M				AMP

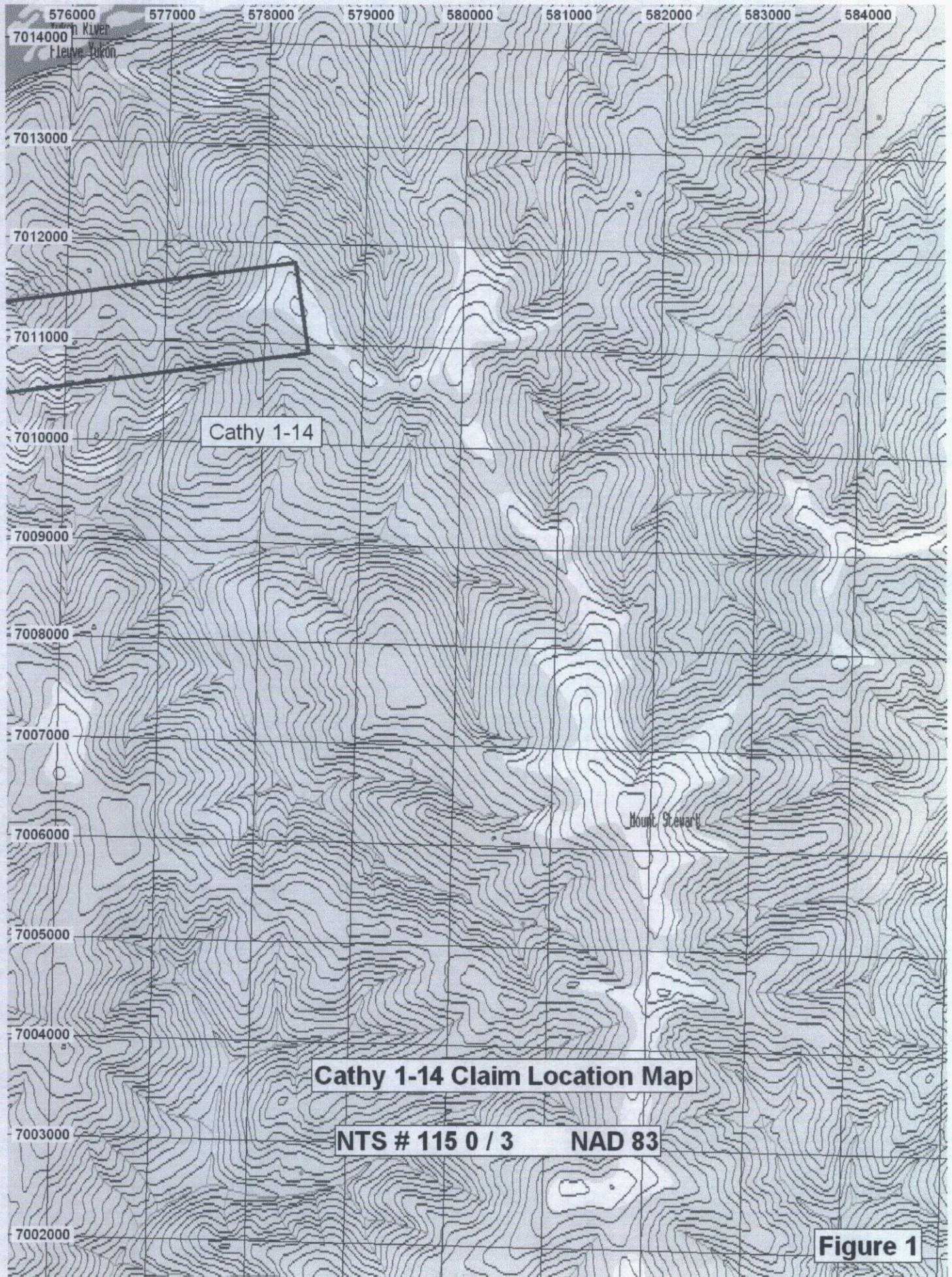
S_QUALITY	NOTES	Abs_As_ppm	Abs_Pb_ppm	UTM_EAST	UTM_NORTH
H	BLUE QUARTZITE	31	10	578,489	7,011,237
M	BLUEISH QUARTZ	18	9	578,313	7,011,361
H	BLUISH QUARTZ	2	3	578,110	7,011,368
M	BLUISH QUARTZITE	4	15	577,912	7,011,307
H	BLUISH QUARTZITE	1	9	577,711	7,011,306
H	BLUE QUARTZITE	3	10	577,559	7,011,220
M	BLUE QUARTZITE	5	17	577,384	7,011,209
M	BLUE QUARTZITE	6	10	577,164	7,011,184
H	BLUISH QUARTZITE	1	4	576,944	7,011,202
M	BLACK/ BLUE QUARTZITE	1	6	576,760	7,011,107
H	BLACK QUARTZ, CLEAR SPARKLE	1	6	576,679	7,011,295
H	ROCK GREY/SILVER	7	9	576,484	7,011,329
H	ROCK, SILVER QUARTZ	8	9	576,335	7,011,197
H	ROCK: CLEAR QUARTZ	4	8	576,179	7,011,057
H	ROCK: SILVER/GREY	1	7	575,976	7,010,852
M		3	9	578,099	7,010,794
H		18	14	578,332	7,011,350
M		17	14	578,247	7,011,167
M	SAMPLE TEN METRES FROM STATION	11	11	578,166	7,010,983
M	BIOTITE SCHIST?	3	2	576,807	7,011,128
H	NO ROCKS	2	2	576,834	7,010,919
M	AMPHIBOLITE?	4	4	576,868	7,010,717
M	NO ROCKS	7	12	576,746	7,010,529
H		10	7	578,234	7,011,619
H		7	11	577,903	7,011,198
H	3 COLOR GRADIENTS BN,QD GN,GN	3	3	577,811	7,011,150
H		7	12	577,727	7,011,065
H		5	6	577,640	7,011,042
H		4	7	577,553	7,010,994
H		4	8	577,461	7,010,943
H		5	5	577,375	7,011,128
H		7	8	577,456	7,011,171
H		2	9	577,538	7,011,222
H		4	9	577,628	7,011,271
M	ROCKY	3	8	577,718	7,011,318
H		2	7	577,802	7,011,362
H		4	11	577,880	7,011,408
H		2	8	577,960	7,011,490
H		14	9	578,051	7,011,529
H		13	11	578,140	7,011,577
H		28	9	578,339	7,011,443
H		12	9	578,253	7,011,392
H		12	5	578,165	7,011,345
H	GN LAYER @ 40 CM	7	8	578,076	7,011,297
H		3	7	577,985	7,011,252
L	50%> LOESS BLOCKY BOULDERS SCH(QTZ-MUSC) & QZT	18	8	578,034	7,011,981
L	50% LOESS	29	13	578,137	7,011,785
H	SCH, MICACEOUS, ALT CHLO BIOT-MUSC SCH	8	3	578,052	7,011,736
L	50% LOESS QTZ-MUSC-QZT SCH	26	11	577,962	7,011,689
M		9	4	577,876	7,011,637
M		6	3	577,778	7,011,591
L	~>25% LOESS, POOR SOI;	1	4	577,696	7,011,540
M	~15% LOESS	1	1	577,625	7,011,481
L	~25% LOESS, MOSS AND SCREE	1	2	577,536	7,011,428
M	SOME LOESS	2	6	577,445	7,011,390
L	SOME LOESS~20%	3	4	577,363	7,011,340

MAPINFO_ID	SAMPLEID	PROPERTY	GEOLOGIST	SAMPLEDA	Au_ppb	Ag_ppm	Al	As_ppm	B_ppm	Ba_ppm	Be_ppm	Bi_ppm	Ca	Cd_ppm	Co_ppm
3,983	NA14740	CATHY GRID	HULSTEIN	07/28/2003	1	-0.2	2.29	-2	-10	270	-0.5	-2	0.54	-0.5	13
3,982	NA14741	CATHY GRID	HULSTEIN	07/28/2003	3	0.2	2.57	-2	-10	280	-0.5	-2	0.72	-0.5	18
3,981	NA14742	CATHY GRID	HULSTEIN	07/28/2003	8	-0.2	1.92	3	-10	230	-0.5	-2	0.43	-0.5	15
3,980	NA14743	CATHY GRID	HULSTEIN	07/28/2003	2	-0.2	1.78	-2	-10	250	-0.5	-2	0.49	-0.5	13
3,979	NA14744	CATHY GRID	HULSTEIN	07/28/2003	6	-0.2	2.07	2	-10	290	-0.5	-2	0.58	-0.5	14
3,978	NA14745	CATHY GRID	HULSTEIN	07/28/2003	2	-0.2	1.58	-2	-10	230	-0.5	-2	0.53	-0.5	12
3,977	NA14746	CATHY GRID	HULSTEIN	07/28/2003	3	-0.2	1.47	7	-10	270	-0.5	-2	0.68	-0.5	8
3,976	NA14747	CATHY GRID	HULSTEIN	07/28/2003	2	-0.2	1.54	11	-10	340	-0.5	-2	0.73	-0.5	10
3,975	NA14748	CATHY GRID	HULSTEIN	07/28/2003	8	0.3	1.3	11	-10	200	-0.5	-2	0.55	-0.5	9
3,973	NA15450	CATHY GRID	HULSTEIN	07/28/2003	3	0.2	1.88	37	-10	360	0.5	-2	0.41	-0.5	11
3,972	NA15451	CATHY GRID	HULSTEIN	07/28/2003	2	-0.2	1.02	9	-10	140	-0.5	2	0.28	-0.5	52
4,447	NA18145	STEWART	FRANKLIN	08/02/2003	112	-0.2	2.9	-2	-10	770	-0.5	-2	0.58	-0.5	24

Cr_ppm	Cu_ppm	Fe	Ga_ppm	Hg_ppm	K	La_ppm	Mg	Mn_ppm	Mo_ppm	Na	Ni_ppm	P_ppm	Pb_ppm	S	Sb_ppm	Sc_ppm
53	38	2.85	10	-1	0.18	10	1.3	337	-1	0.03	13	550	5	0.01	-2	5
79	53	3.02	10	-1	0.24	10	1.42	529	-1	0.04	24	880	5	0.02	-2	7
52	80	3.18	10	-1	0.15	10	1.09	431	-1	0.02	17	680	6	0.01	2	6
57	42	2.68	10	-1	0.12	10	1.11	379	-1	0.02	20	610	4	0.01	3	4
49	87	2.87	10	-1	0.12	10	1.06	366	-1	0.02	19	630	6	0.01	-2	5
53	49	2.42	10	-1	0.08	10	0.94	359	-1	0.02	23	680	4	0.02	-2	4
46	90	2.25	-10	-1	0.08	10	0.65	305	-1	0.03	35	590	6	0.02	2	4
37	62	2.5	-10	-1	0.08	10	0.7	320	-1	0.02	28	580	6	0.02	-2	4
47	55	2.36	-10	-1	0.04	10	0.64	264	-1	0.03	31	640	5	0.01	2	5
60	23	3.2	10	-1	0.08	20	0.59	398	-1	0.02	54	450	9	0.01	2	7
379	109	3.01	-10	-1	0.04	10	1.21	441	-1	0.01	1,165	390	4	0.03	3	7
77	376	4.03	10	-1	0.74	10	2.91	2,490	2	0.02	32	880	5	0.01	-2	6

Sr_ppm_	Ti_____	Ti_ppm_	U_ppm_	V_ppm_	W_ppm_	Zn_ppm_	SAMPLETYF	S_COLO	S_COLORM	S_DEPTH	S_DUNIT	S_ORGANIC	S_HORIZO	S_CLA	S_MOISTUR	S_SLOP	S_ENVIRONMEI	S_FROZE	S_DOM_F
24	0.16	-10	-10	88	-10	60	SL	BN	QD	0.6	M	5	B	L	M	S	COL	P	AMP
25	0.14	-10	-10	86	-10	70	SL	BN	QD	0.6	M	7	B	M	H	S	COL	P	
23	0.15	-10	-10	86	-10	65	SL	BN	QE	0.6	M	5	B	M	H	S	COL	P	
26	0.15	-10	-10	78	-10	52	SL	BN	QE	0.5	M	5	B	M	M	S	COL	N	AMP
27	0.16	-10	-10	79	-10	62	SL	BN	QE	0.6	M		B	M	M	S	COL	P	AMP
23	0.12	-10	-10	66	-10	65	SL	BN	QE	0.5	M	10	B	M	M	S	COL	N	AMP
31	0.08	-10	-10	57	-10	52	SL	BN	QD	0.4	M	10	B	M	M	S	COL	N	AMP
32	0.1	-10	-10	65	-10	58	SL	BN	QD	0.4	M	10	B	M	M	S	COL	N	AMP
24	0.09	-10	-10	58	-10	50	SL	OL	QD	0.6	M		B	M	M	S	COL	N	AMP
30	0.09	-10	-10	68	-10	67	SL	BN	QE	0.4	M	5	B	M	H	S	COL	N	SCH
15	0.04	-10	-10	34	-10	27	SL	OR	QE	0.8	M		C	M	M	G	COL	N	SCH
22	0.22	-10	-10	106	-10	55	SL	BN	QD	0.5	M	0	C	L	M	F	BDR	N	SCH

S_QUALITY	NOTES	Abs_As_ppm	Abs_Pb_ppm	UTM_EAST	UTM_NORTH
M	SOME MINOR LOESS SCREE AND MOSS	1	5	577,270	7,011,293
L	LOESS~25%	1	5	577,168	7,011,459
L	LOESS? ~20%?	3	6	577,255	7,011,510
M	SANDY SOME LOESS	1	4	577,341	7,011,572
M	SANDY SOME LOESS? BOULDER FIELD W/ MOSS AND TREES	2	6	577,431	7,011,817
L	ORGANICS & LOESS ~25% SANDY	1	4	577,521	7,011,669
L	LOESS~25%	7	6	577,617	7,011,729
L	LOESS ~25%	11	6	577,688	7,011,785
H		11	5	577,787	7,011,814
L	LOTS OF LOEES ~25%+ SCH, QTZ-MUSC	37	9	577,867	7,011,877
H	OR WEA MUSC SCH	9	4	577,956	7,011,924
H	DUG HOLE AT SAMPLE NA11859 TO CHECK ANOMALY-NOT IMPRESSIVE. FEL-BIO-AMP SCHIST	1	5	577,713	7,011,293





# Cathy 1-14 2003 Soil Survey

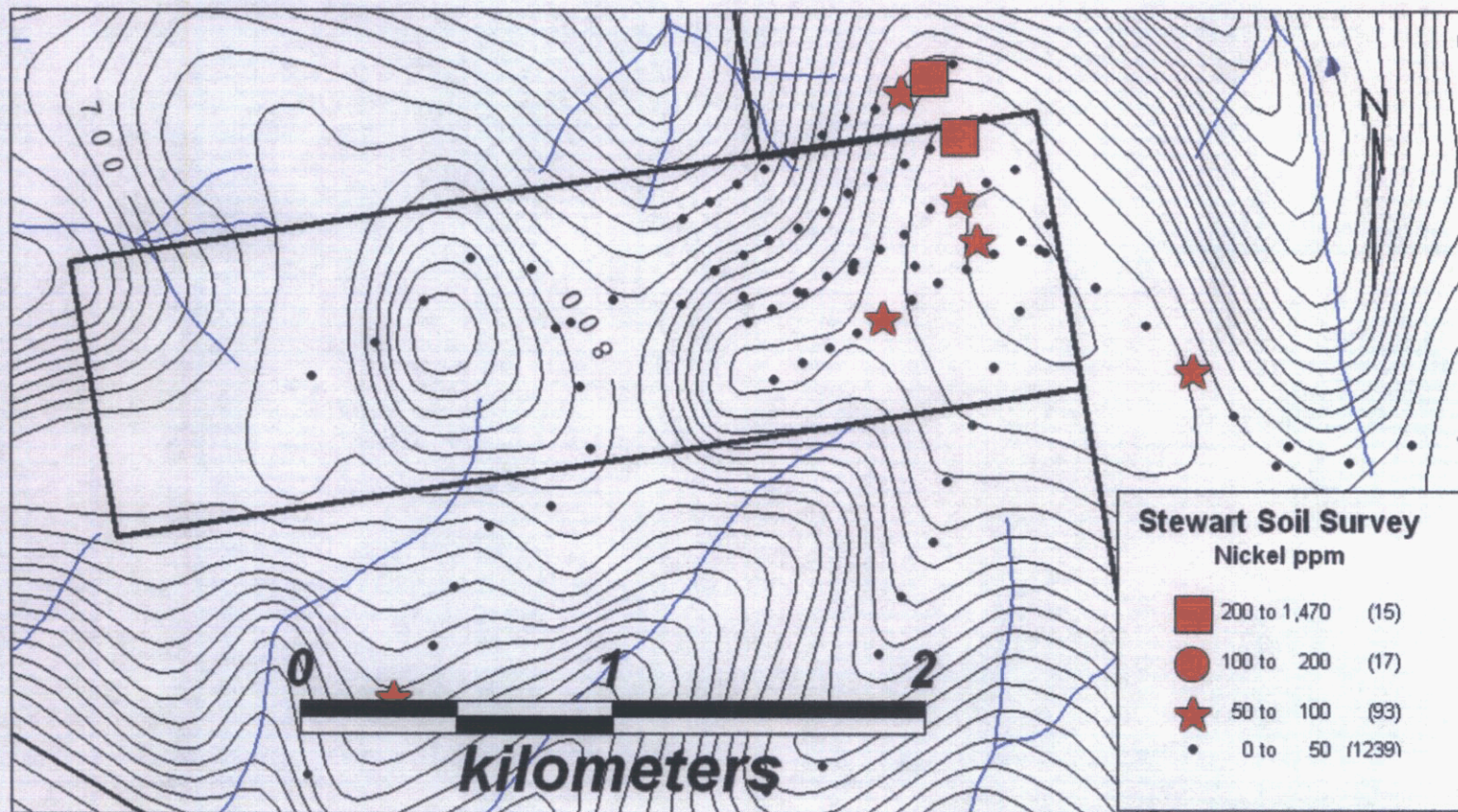
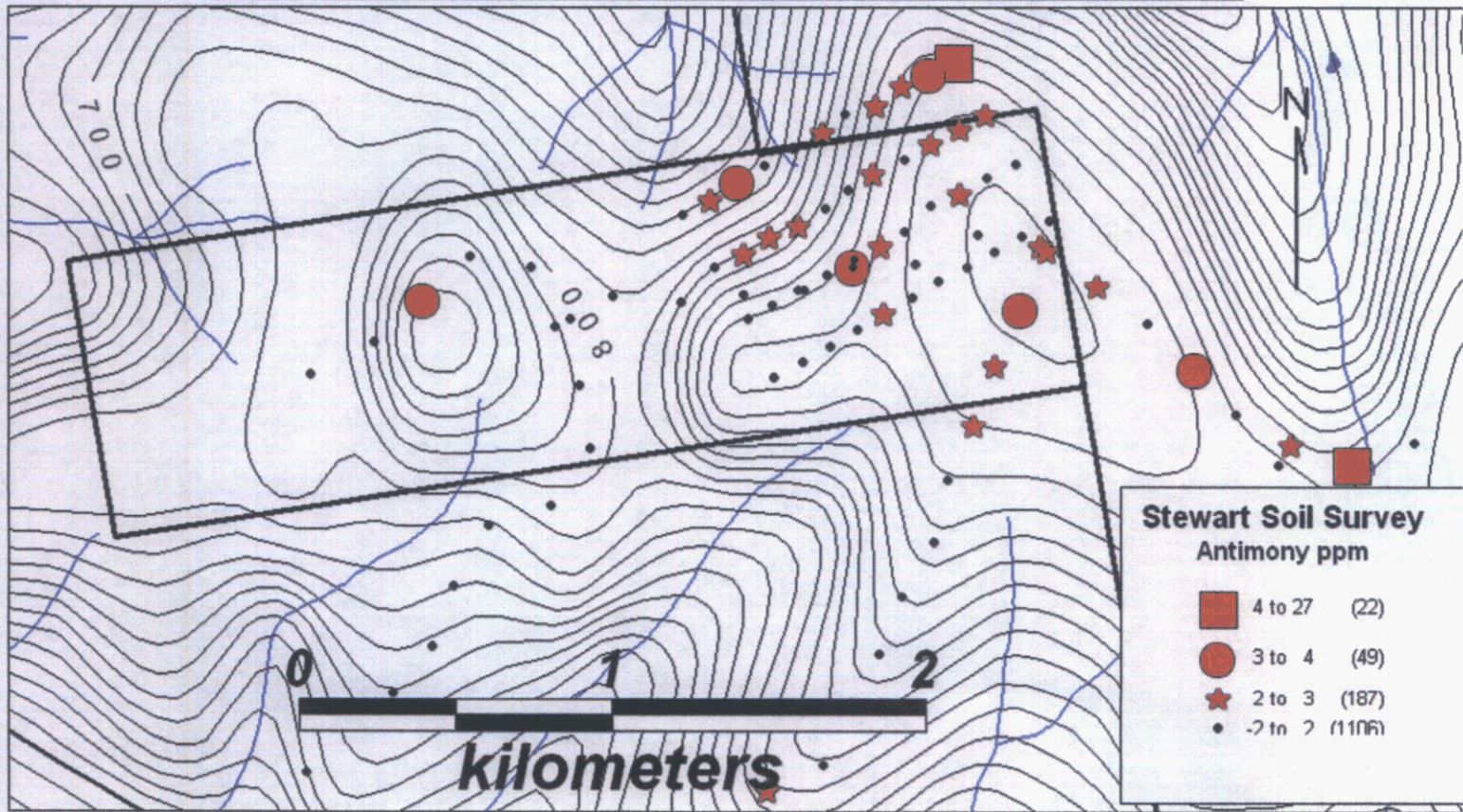
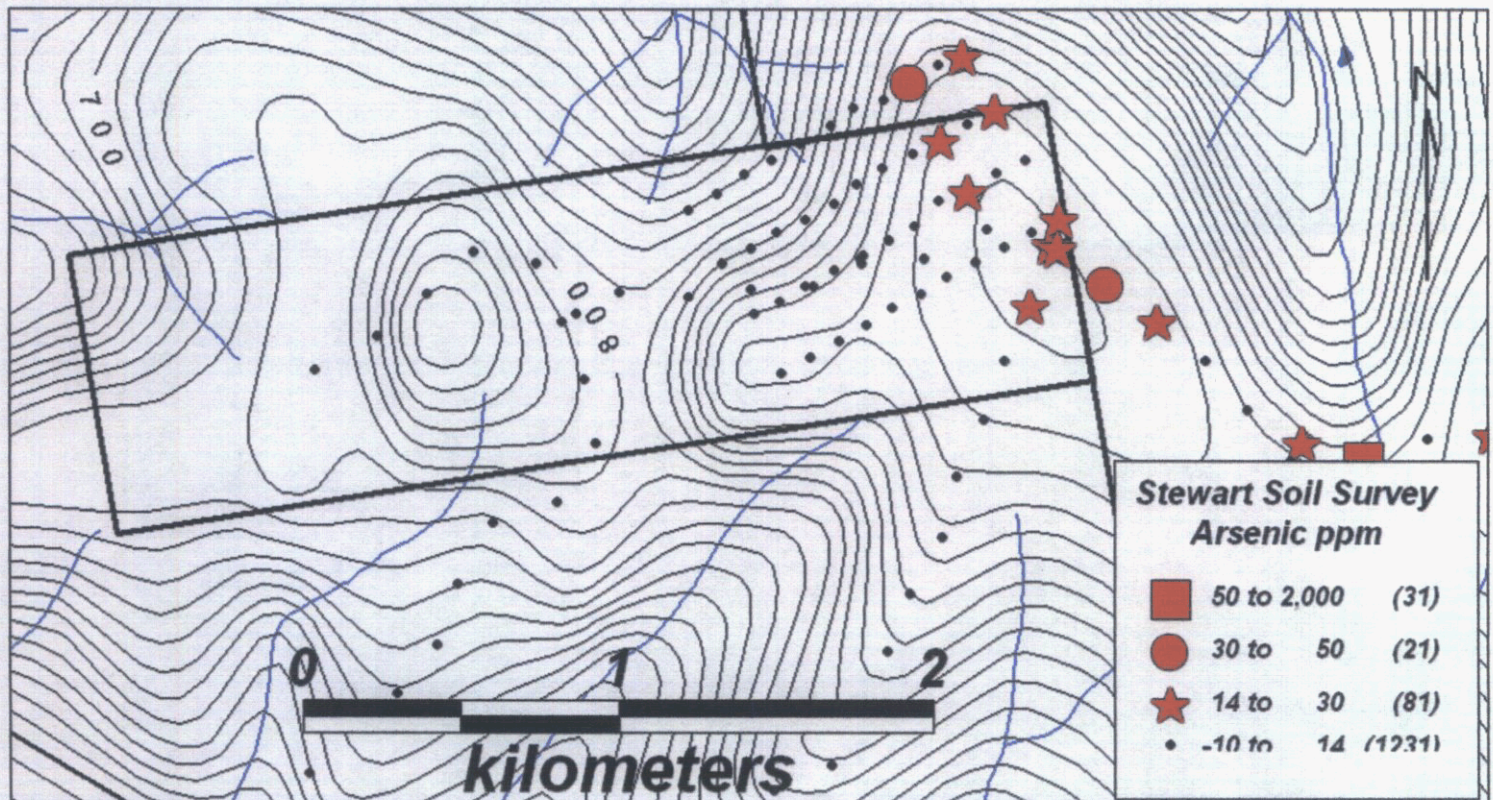
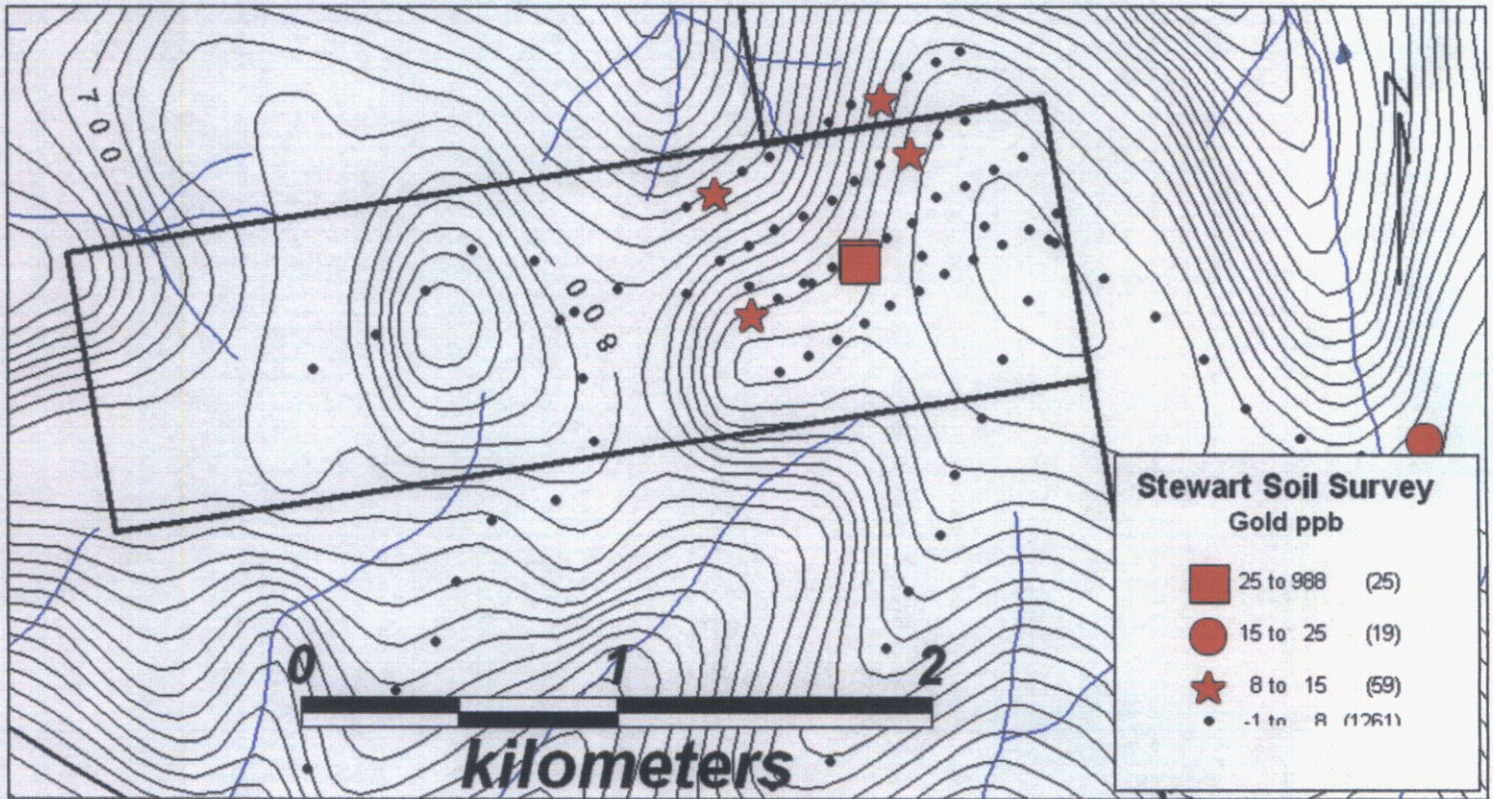


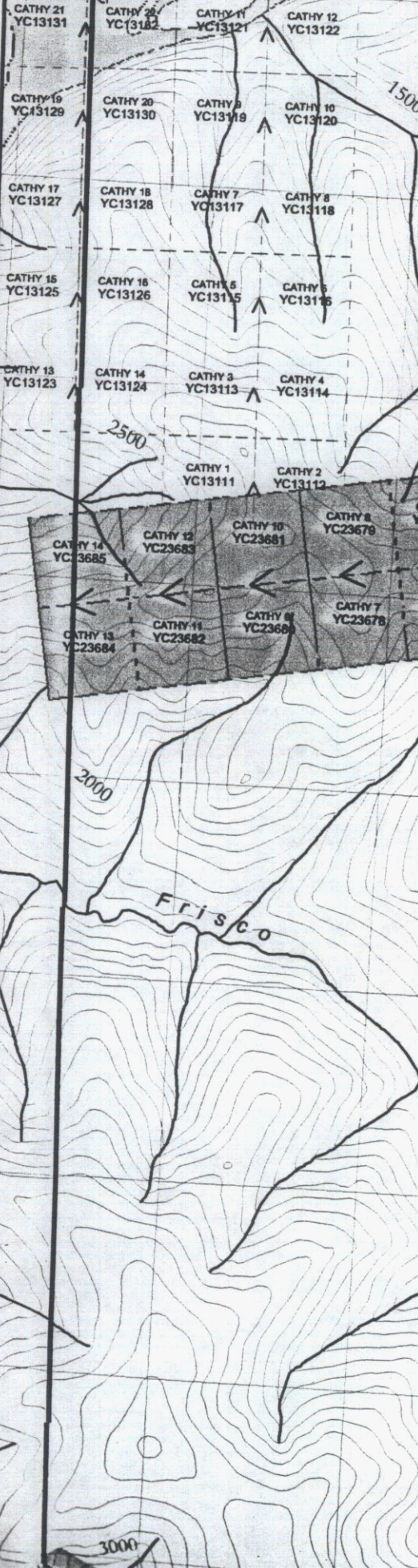
Figure 3

# Cathy 1-14 2003 Soil Survey



**Figure 4**

7013000  
7012000  
7011000  
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7009000  
7008000  
7007000  
7006000



7005000  
7004000

