CORPORATION FALCONBRIDGE COPPER

MEMORANDUM

DATE: July 30, 1985
À
TO: A. J. Davidson

826267

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DE
FROM: D. V. Lefebure

SUJET
SUBJECT: Property Evaluation of Amore Claims, Vancouver Island, NTS 92C/16W

A Nanaimo prospector, Efrem Specogna, contacted D. Watkins concerning his Amore claims. Specogna has picked up anomalously high Hg values in silts and soils overlying Sicker Group volcanic rocks. He is interested in optioning the Amore claims but made no suggestions for the nature of the agreement.

Target: Volcanogenic massive sulphide deposit hosted in Sicker Group volcanic rocks.

Location: The Amore claims are located 32km south-southwest of Nanaimo, British Columbia and 6km north of Lake Cowichan on McKay Creek. The claims are easily accessible by logging roads.

Property: The Amore Group consists of three claims as follows:

Name	Record No.	Month	Units
Amore 2	1267	June	13
Amore	1266	June	5
Amore B	1372	September	18
Amore 1	137	February	10

The claims fall on the boundary between the Nanaimo and Victoria Mining Divisions. Parts of all three claims lie within the Nanaimo Water District.

Ownership: Efrem Specogna
Specogna Mineral Corporation
1704 Centennary Drive, R. R. #1
Nanaimo, B. C. V9R 5K1
753-7819 (home)

Previous Work: Gunnex (1964) and Cominco (1968) completed exploration programmes in the general area. In 1983 CFC carried out a reconnaissance survey on the Sicker Group to the west and north. In 1979 Aquarius Resources Ltd. trenched and drilled a narrow gold-bearing quartz vein on the Amore 5 claim.

Geology: The claims are underlain by Sicker Group volcanics and sediments and Island granodiorite. The volcanic rocks are purple and green mafic breccias characteristic of the Sicker Group. A regional northeast-trending fault crosses the Amore 2 claim. On the property examination I saw only the breccias, a carbonate shear? zone and a orange-white silicified or chert zone.

Lithogeochemistry: Along a small creek on the Amore 2 claim, E. Specogna has found anomalous Hg values in silts (490 and 580 ppm) and soils (10,000, 1400, 2050, 1970 and 670 ppm) in a small area. None of the other elements he has analyzed were particularly anomalous (Table 1). The orange-white silicified zone is the only anomalous outcrop; it contains 7100 ppm Hg and 600 ppm Cu. The Amore claims are roughly 5km along strike from the Shaw Creek lithogeochemical anomaly identified by CFC from 1983 sampling. This was the 4th ranked anomaly with Ba and SiO_2 enrichment and Na_2O and CaO depletion.

Conclusions: 1) There is a Hg anomaly on the Amore 2 claim which could be due to a massive sulphide lens, the northwest-trending fault or some other type of mineralization.

2) Another anomalous feature (geophysical anomaly, favourable horizon, etc.) must be found to warrant optioning the property.

Recommendation: No further followup of the Amore Claims at this time.

David Lefebure

D. V. Lefebure

DVL/ik

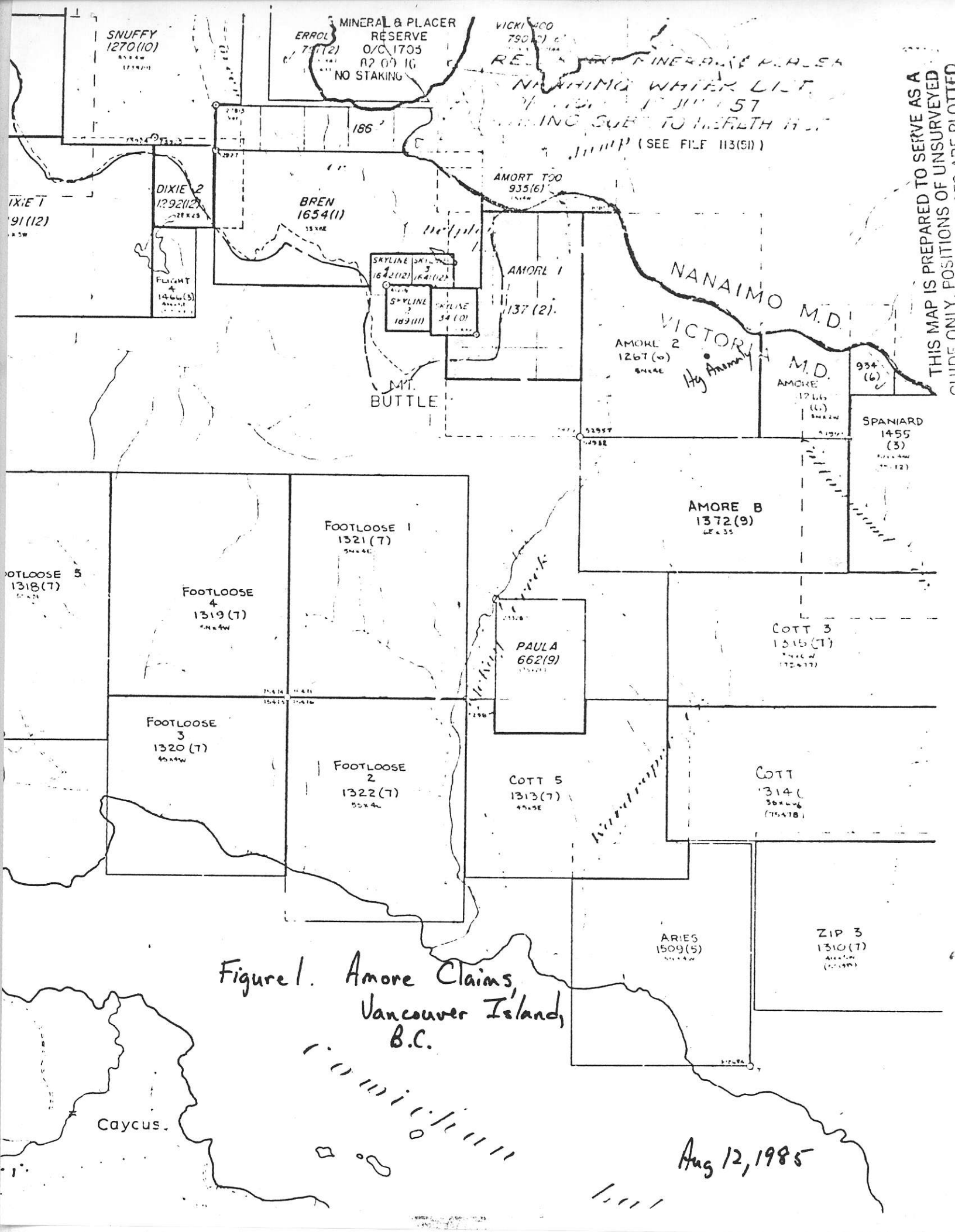

Figure 1. Amore Claims, Vancouver Island, B.C.

Aug 12, 1985

Table 1

CANAMIN RESOURCES FILE # 85-1031

PAGE 2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPB	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Hg PPB
A-1	1	9	6	20	.2	6	5	173	3.17	2	5	ND	1	40	1	5	4	143	.27	.05	4	17	.31	21	.32	4	1.02	.01	.02	1	40
A-2	2	68	2	82	.2	24	17	500	5.26	2	5	ND	2	23	1	2	2	147	.27	.16	6	80	1.94	25	.44	4	4.72	.01	.05	1	140
A-3	2	42	2	71	.1	22	14	415	5.06	2	5	ND	1	25	1	2	2	144	.31	.09	4	85	1.90	31	.37	6	3.42	.01	.05	1	110
A-4	1	11	10	39	.2	3	6	278	3.71	2	5	ND	1	18	1	2	2	108	.13	.06	13	8	.77	71	.03	2	2.84	.01	.08	1	60
A-5	2	95	7	82	.2	31	22	2331	4.23	2	5	ND	1	35	1	2	2	116	.40	.08	11	53	1.56	64	.23	5	3.77	.01	.05	1	100
A-6	1	47	3	55	.3	7	10	273	7.23	2	5	ND	3	28	1	2	4	145	.18	.46	10	15	.42	41	.23	3	4.04	.01	.03	1	130
A-7 SILT	2	103	9	86	.2	27	18	3126	2.91	2	5	ND	1	49	1	2	2	78	1.34	.15	9	47	1.22	120	.13	8	3.16	.01	.05	1	(210)
A-8	1	44	5	54	.2	14	12	337	6.12	2	5	ND	2	46	1	2	2	167	.31	.20	4	34	1.03	30	.40	6	2.43	.01	.04	1	140
A-9	1	35	2	49	.2	8	10	296	5.86	2	5	ND	2	44	1	2	2	171	.27	.33	6	19	.88	41	.27	2	2.47	.01	.03	1	110
A-10	1	34	7	44	.2	8	10	315	6.16	2	5	ND	2	28	1	2	2	203	.21	.13	5	32	.94	38	.26	3	2.75	.01	.03	1	130
A-12	1	83	(9)	64	(.3)	8	13	802	4.66	(16)	5	ND	2	17	1	12	2	69	.54	.20	12	8	.42	(212)	.01	2	1.42	.01	.05	1	(1400)
A-12 SILT	1	76	6	67	.1	22	15	2115	2.58	3	5	ND	1	48	1	2	2	64	1.09	.12	7	28	.87	125	.11	4	1.82	.01	.04	1	230
A-13	2	(109)	(15)	(88)	(.3)	10	25	3099	6.61	(21)	5	ND	2	17	1	(20)	2	84	.49	.35	11	8	.23	(226)	.01	3	1.06	.01	.06	1	(12000)
B-1	1	8	5	20	.2	4	5	203	2.68	2	5	ND	1	29	1	5	3	124	.32	.04	3	16	.35	34	.35	5	.93	.01	.04	1	50
B-2	1	13	9	25	.1	7	5	204	3.47	2	5	ND	1	26	1	2	3	108	.27	.07	3	17	.31	17	.29	3	1.17	.01	.03	1	60
B-3	1	19	5	34	.2	7	8	472	4.11	2	5	ND	2	31	1	4	6	133	.29	.16	2	21	.58	20	.40	6	1.45	.01	.04	1	40
B-5	1	16	6	29	.1	7	4	226	3.55	2	5	ND	2	28	1	3	2	100	.26	.15	2	18	.32	19	.16	3	1.58	.01	.02	1	20
B-6	1	9	9	15	.3	5	5	127	3.70	3	5	ND	2	15	1	4	2	175	.19	.05	2	19	.13	12	.26	5	.81	.01	.01	1	10
B-7	2	29	4	45	.3	8	9	286	6.49	7	5	ND	2	23	1	3	2	178	.24	.12	5	24	.51	33	.29	3	2.63	.01	.02	1	90
B-8 SILT	2	99	11	88	(3)	36	19	2577	3.11	2	5	ND	1	44	1	2	2	86	1.03	.14	5	56	1.25	81	.14	2	3.22	.01	.04	1	(170)
B-8	1	50	7	70	.2	15	14	399	6.32	3	5	ND	2	19	1	2	2	151	.19	.15	8	42	1.33	53	.14	2	3.51	.01	.05	1	60
B-10	2	99	6	128	.2	43	24	2867	4.25	6	5	ND	1	45	1	2	2	118	.79	.08	5	93	2.46	77	.29	4	3.38	.01	.07	1	80
B-11	1	40	(11)	69	.1	15	13	539	5.82	4	5	ND	2	50	1	2	2	165	.54	.20	5	32	1.12	(101)	.40	2	2.12	.01	.05	1	70
B-12	1	26	5	38	.2	7	8	239	5.31	2	5	ND	2	66	1	(3)	(8)	216	.34	.18	4	16	.57	33	.62	5	1.81	.01	.02	1	50
B-15	2	265	4	88	.1	30	23	1709	4.69	4	5	ND	1	35	1	(3)	2	122	.47	.11	18	64	1.81	(69)	.18	4	3.68	.01	.07	1	70
B-16	2	77	3	80	.2	31	21	496	6.28	9	5	ND	2	44	1	2	2	177	.43	.09	5	72	2.01	46	.61	6	3.62	.01	.04	1	80
B-17	1	31	(10)	43	(.3)	7	9	342	7.19	4	5	ND	2	23	1	(6)	2	165	.19	.18	9	27	.44	44	.20	4	2.04	.01	.03	1	(120)
B-18	1	65	(12)	66	(.5)	28	16	339	7.96	2	5	ND	3	25	1	2	2	181	.22	.39	2	61	1.51	31	.31	3	3.51	.01	.04	1	(180)
B-20	2	140	2	76	(3)	35	25	600	4.11	2	5	ND	1	30	1	2	2	102	.47	.10	3	46	2.14	30	.30	3	2.65	.01	.09	1	60
B-20 SILT	1	102	8	100	.2	42	28	1722	3.75	2	5	ND	1	48	1	2	2	103	.73	.11	2	66	2.16	49	.28	4	2.49	.01	.11	1	50
B-21	2	34	2	85	.2	64	26	592	6.06	7	5	ND	1	24	1	2	2	156	.42	.06	2	142	2.82	26	.59	6	2.71	.01	.06	1	40
B-21 SILT	1	75	3	69	(3)	32	22	1225	2.66	2	5	ND	1	48	1	2	2	74	.76	.09	3	46	1.35	47	.21	6	1.90	.01	.06	1	60
B-22	1	48	3	59	.2	20	17	345	6.68	2	5	ND	2	53	1	2	2	177	.43	.17	2	59	1.35	31	.60	6	2.51	.01	.04	1	60
B-23	1	33	2	38	(3)	13	11	318	5.45	2	5	ND	2	58	1	(3)	(11)	176	.39	.13	2	40	.71	32	.71	2	1.37	.01	.02	1	20
B-24 SILT	2	80	3	151	.2	83	38	1613	3.64	2	5	ND	1	43	1	2	2	88	.85	.11	3	199	2.57	57	.24	6	3.34	.01	(.14)	1	90
C-1	1	16	8	52	(.3)	20	14	248	6.59	2	5	ND	2	18	1	2	2	163	.15	.06	2	56	1.58	52	.52	2	2.51	.01	(.14)	1	50
STD C	20	59	38	134	7.1	69	29	1160	3.94	41	19	8	37	51	16	16	19	59	.48	.16	37	60	.88	184	.08	41	1.71	.06	.12	11	1300

Table 1 cont.

CANAMIN RESOURCES FILE # 85-1031

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Hg PPB
C-2	3	80	(9)	96	(.5)	17	125	3349	4.28	6	5	ND	1	27	1	(3)	2	87	.29	.12	13	26	1.16	68	.21	2	3.12	.01	.06	1	120
C-5	1	29	6	39	.2	10	11	316	5.96	9	5	ND	1	23	1	2	(5)	196	.20	.15	2	42	.84	18	.51	2	1.77	.01	.03	1	80
C-6	1	78	7	60	.1	37	14	477	5.65	4	5	ND	1	28	1	2	2	133	.26	.13	3	74	1.68	25	.35	2	5.34	.01	.03	1	120
C-7	1	27	6	35	.3	14	8	280	6.88	12	5	ND	1	21	1	2	6	252	.25	.11	2	37	.67	52	.51	2	1.84	.01	.02	1	40
C-8 SILT	2	123	9	79	.1	34	17	2902	2.89	8	5	ND	1	46	1	2	2	89	1.06	.15	6	55	1.56	69	.16	3	3.12	.01	.06	1	110
C-9	1	113	3	95	.1	39	18	690	5.65	9	5	ND	1	37	1	2	(6)	143	.41	.07	3	87	1.91	36	.43	2	4.86	.01	.03	1	140
C-10	1	22	6	37	.3	8	7	280	4.39	14	5	ND	1	47	1	2	2	145	.32	.06	6	22	.72	40	.39	3	1.75	.01	.03	1	30
C-11 SILT	1	112	7	87	.2	38	17	2341	3.39	5	5	ND	1	63	1	2	2	93	1.11	.17	6	56	1.89	64	.19	8	2.90	.01	.07	1	90
C-13	2	76	3	54	.1	28	22	2481	3.41	3	5	ND	1	42	1	2	2	98	.51	.08	3	51	1.30	35	.24	2	2.25	.01	.03	1	60
C-14	1	80	6	103	.1	54	26	655	5.59	15	5	ND	1	45	1	2	5	147	.36	.12	3	107	2.56	25	.52	4	3.34	.01	.05	1	80
C-15	1	26	2	51	.1	21	12	461	4.19	11	5	ND	1	41	1	2	2	109	.38	.11	2	48	.95	34	.40	2	1.47	.01	.04	1	40
C-17	1	39	6	82	.1	18	19	601	5.14	4	5	ND	1	28	1	2	(4)	128	.40	.15	3	36	1.19	40	.44	2	2.15	.01	.04	1	70
C-18	1	93	4	(120)	.2	47	41	834	5.38	14	5	ND	1	27	1	2	3	151	.68	.05	2	60	2.98	53	.53	3	3.27	.01	.10	1	20
C-20	2	(137)	5	86	.1	53	30	5340	3.38	7	5	ND	1	53	1	2	3	95	.66	.12	5	64	1.61	68	.22	7	2.69	.01	.04	1	120
C-21	1	65	9	(127)	.1	79	33	890	6.47	11	5	ND	1	54	1	2	2	144	.44	.23	3	149	3.08	34	.46	2	3.01	.01	.05	1	40
C-22	1	130	2	149	.1	97	35	1093	4.43	9	5	ND	1	46	1	2	2	129	1.04	.08	3	219	4.24	80	.41	2	3.41	.01	.42	1	30
Q-1	1	63	(41)	46	.2	19	11	454	7.55	(18)	5	ND	1	17	1	4	2	186	.29	.14	5	37	.47	33	.51	2	1.80	.01	.03	1	40
Q-2	1	132	3	60	.1	58	22	566	4.50	8	5	ND	1	29	1	2	2	130	.81	.05	2	80	2.72	37	.39	2	3.21	.01	.09	1	60
Z-1 SILT	2	101	(10)	99	.2	34	34	9110	3.70	2	5	ND	1	35	1	2	2	95	.56	.19	4	49	1.65	71	.15	2	3.71	.01	.05	1	90
Z-3	1	43	(12)	60	.1	16	11	593	10.02	(15)	5	ND	2	16	1	2	2	160	.21	.13	4	58	.81	31	.47	3	3.77	.01	.03	1	110
Z-6	1	40	5	64	.2	30	19	342	6.76	(12)	5	ND	1	30	1	2	(8)	184	.32	.11	2	68	2.07	28	.57	2	2.81	.01	.04	1	80
Z-9 SILT	1	(360)	8	74	.1	63	28	1675	4.61	7	5	ND	1	38	1	2	2	116	.83	.14	7	100	2.04	34	.25	4	3.27	.01	.05	1	60
Z-13	1	(383)	(10)	(117)	.1	117	37	971	4.78	8	5	ND	1	25	1	2	2	101	.67	.15	5	235	3.07	25	.21	2	4.48	.01	.05	1	70
STD C	20	59	40	135	7.2	67	27	1164	3.98	41	17	7	37	52	16	16	21	60	.48	.16	37	60	.88	187	.09	39	1.71	.06	.11	11	1300