Bergvesenet
Postboks 3021, N-7441 Trondheim

Rapportarkivet

Bergvesenet rapport nr	Intern Journal nr	Internt arkiv nr	Rapport lokalisering	Gradering
4825	2159/05			**Fortrolig**
Kommer fra ..arkiv	Ekstern rapport nr	Oversendt fra Sulfidmalm a.s.	Fortrolig pga Muting	Fortrolig fra dato:

Tittel

2004-2005 Drilling Programs, Espedalen Prosject

Summerdrilling 2004, Winter drilling 2005 at Stormyra and summerdrilling 2005 Storgruva-Trona-Vesle. Appendixene D, E, G og H til rapport BV 4823

Forfatter
Tirschmann, Patti
Blair, Tony

Dato År
07.12 2005

Bedrift (Oppdragsgiver og/eller oppdragstaker)
Sulfidmalm A/S

Kommune	Fylke	Bergdistrikt	1: 50 000 kartblad	1: 250 000 kartblad
Sør-Fron Gausdal	Oppland		17171 17172	Lillehammer

Fagområde	Dokument type	Forekomster (forekomst, gruvefelt, undersøkelsesfelt)
Boring		Stormyra Vesle Andreasberg Jørstad Storgruva Evans Statsråd Stang Nicoline Melgårdseter Stylskampen Søndre Gråhø Grimstjønna Dalen
Råstoffgruppe: Malm/metall	Råstofftype: Cu Ni	

Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse
Inneholder appendixene D, E, F, G og H til rapport BV 4823

APPENDICES
D, E, G, H & I

APPENDIX D

APPENDIX D

ASSAY CERTIFICATES

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2038 FAX: 705-652-6441

ES2004-01
ES2004-02A (partial hole)

Falconbridge Limited
Attn : Patti Tirschmann

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Phone: 416 982 7455
Fax:416 982 7420

Tuesday, September 21, 2004

Date Rec. : 30 August 2004
LR Report : **CA09693-AUG04**
Project : 2402558
Client Ref : PO # 300

CERTIFICATE OF ANALYSIS

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 00051	< 0.05	< 0.05	< 0.02	3.64	< 0.02	< 0.02	< 0.02	< 0.5
2: PG 00052	< 0.05	< 0.05	< 0.02	3.39	< 0.02	< 0.02	< 0.02	< 0.5
3: PG 00053	< 0.05	< 0.05	< 0.02	0.69	< 0.02	< 0.02	< 0.02	< 0.5
4: PG 00054	< 0.05	< 0.05	< 0.02	3.05	< 0.02	< 0.02	0.03	< 0.5
5: PG 00055	< 0.05	< 0.05	< 0.02	0.17	< 0.02	< 0.02	< 0.02	< 0.5
6: PG 00056	< 0.05	< 0.05	< 0.02	3.82	< 0.02	< 0.02	0.02	< 0.5
7: PG 00057	< 0.05	< 0.05	< 0.02	1.67	< 0.02	< 0.02	< 0.02	< 0.5
8: PG 00058	< 0.05	< 0.05	< 0.02	0.67	< 0.02	< 0.02	< 0.02	< 0.5
9: PG 00059	< 0.05	< 0.05	< 0.02	2.70	< 0.02	< 0.02	< 0.02	< 0.5
10: PG 00060	< 0.05	< 0.05	< 0.02	6.39	< 0.02	< 0.02	0.02	< 0.5
11: PG 00061	< 0.05	< 0.05	< 0.02	3.51	< 0.02	< 0.02	< 0.02	< 0.5
12: PG 00062	< 0.05	< 0.05	< 0.02	2.79	< 0.02	< 0.02	0.03	< 0.5
13: PG 00063	< 0.05	< 0.05	< 0.02	2.25	0.02	< 0.02	< 0.02	< 0.5
14: PG 00064	< 0.05	< 0.05	< 0.02	3.18	< 0.02	< 0.02	< 0.02	< 0.5
15: PG 00065	< 0.05	< 0.05	< 0.02	5.40	< 0.02	< 0.02	< 0.02	< 0.5
16: PG 00066	< 0.05	0.06	< 0.02	5.05	< 0.02	< 0.02	< 0.02	0.6
17: PG 00067	< 0.05	< 0.05	< 0.02	0.57	< 0.02	< 0.02	< 0.02	< 0.5
18: PG 00068	< 0.05	< 0.05	< 0.02	5.29	< 0.02	< 0.02	< 0.02	0.5
19: PG 00069	< 0.05	< 0.05	< 0.02	4.79	< 0.02	< 0.02	< 0.02	< 0.5
20: PG 00070	< 0.05	< 0.05	< 0.02	4.01	< 0.02	< 0.02	< 0.02	< 0.5
21: PG 00071	< 0.05	< 0.05	< 0.02	2.18	< 0.02	< 0.02	0.02	< 0.5
22: PG 00072	< 0.05	< 0.05	< 0.02	5.50	< 0.02	< 0.02	0.02	< 0.5
23: PG 00073	< 0.05	< 0.05	< 0.02	5.90	< 0.02	< 0.02	0.04	< 0.5
24: PG 00074	< 0.05	< 0.05	< 0.02	6.23	< 0.02	< 0.02	0.05	< 0.5
standard — 25: PG 00075	0.75	< 0.05	< 0.02	0.79	0.04	0.09	0.03	< 0.5
26: PG 00076	< 0.05	< 0.05	< 0.02	5.17	< 0.02	< 0.02	< 0.02	< 0.5
27: PG 00077	< 0.05	< 0.05	< 0.02	7.85	< 0.02	< 0.02	0.15	< 0.5
28: PG 00078	< 0.05	< 0.05	< 0.02	9.10	< 0.02	< 0.02	0.02	< 0.5
29: PG 00079	< 0.05	< 0.05	< 0.02	1.55	< 0.02	< 0.02	< 0.02	< 0.5

SGS Lakefield Research Limited
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LR Report : CA09693-AUG04

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
30: PG 00080	< 0.05	< 0.05	< 0.02	4.54	< 0.02	< 0.02	< 0.02	< 0.5
31: PG 00081	< 0.05	< 0.05	< 0.02	7.86	< 0.02	< 0.02	< 0.02	0.6
32: PG 00082	< 0.05	< 0.05	< 0.02	7.07	< 0.02	0.02	< 0.02	< 0.5
33: PG 00083	< 0.05	< 0.05	< 0.02	1.37	< 0.02	< 0.02	< 0.02	< 0.5
34: PG 00084	< 0.05	< 0.05	< 0.02	0.80	< 0.02	< 0.02	0.03	< 0.5
35: PG 00085	< 0.05	< 0.05	< 0.02	2.32	< 0.02	< 0.02	< 0.02	< 0.5
36: PG 00086	< 0.05	< 0.05	0.02	0.72	< 0.02	< 0.02	0.02	< 0.5
37: PG 00087	< 0.05	< 0.05	< 0.02	0.39	< 0.02	< 0.02	< 0.02	< 0.5
38: PG 00088	0.17	0.05	0.04	15.8	0.02	0.09	0.04	0.6
39: PG 00089	0.12	0.17	0.02	11.2	< 0.02	0.03	< 0.02	< 0.5
40: PG 00090	< 0.05	0.06	< 0.02	1.33	< 0.02	< 0.02	0.02	< 0.5
41: PG 00008	0.14	0.14	0.03	11.1	0.03	0.14	0.04	0.9
42: PG 00009	< 0.05	0.06	< 0.02	1.77	< 0.02	0.02	0.05	< 0.5
43-STD: PTC-1A XRF	10.0	13.5	0.30	---	---	---	---	---
44-STD: SU1a XRF	1.22	0.98	0.04	---	---	---	---	---
47-STD: nbm-1	---	---	---	0.28	---	---	---	---
48-STD: RTS-1	---	---	---	1.63	---	---	---	---
49-STD: RTS-2	---	---	---	18.4	---	---	---	---
50-STD: CZN-3	---	---	---	31.1	---	---	---	43.2
51-STD: WMS_1	---	---	---	---	1.75	1.14	0.22	---
52-DUP: PG 00070	< 0.05	< 0.05	< 0.02	4.04	< 0.02	< 0.02	0.02	< 0.5
53-DUP: PG 00090	< 0.05	0.05	< 0.02	1.29	< 0.02	0.02	< 0.02	< 0.5

Debbie Waldon
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ES2004-05 (partial)

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Friday, September 03, 2004

Date Rec. : 30 August 2004
LR Report : **CA09684-AUG04**
Project : 2402525
Client Ref : PO# 300

CERTIFICATE OF ANALYSIS

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 00106	0.41	0.09	0.03	4.03	0.02	< 0.02	0.02	0.6
2: PG 00107	0.30	0.15	0.02	2.37	< 0.02	< 0.02	< 0.02	< 0.5
3: PG 00108	0.32	0.11	0.04	2.46	< 0.02	< 0.02	< 0.02	< 0.5
4: PG 00109	0.51	0.16	0.04	3.97	< 0.02	< 0.02	< 0.02	< 0.5
5: PG 00110	0.77	0.36	0.06	5.39	0.02	0.02	0.03	0.6
6: PG 00111	0.56	0.17	0.04	4.20	0.02	< 0.02	< 0.02	< 0.5
7: PG 00112	0.62	0.25	0.05	4.86	< 0.02	0.02	0.02	0.6
8: PG 00113	0.33	0.14	< 0.02	2.50	< 0.02	< 0.02	0.02	< 0.5
9: PG 00114	0.37	0.28	< 0.02	3.24	0.02	< 0.02	0.03	0.6
10: PG 00115	0.40	0.19	0.02	2.77	0.03	< 0.02	< 0.02	0.8
11: PG 00116	0.35	0.16	< 0.02	2.95	0.02	< 0.02	< 0.02	< 0.5
12: PG 00117	0.52	0.17	0.03	4.11	0.02	< 0.02	< 0.02	< 0.5
~~13: PG 03402~~	~~2.72~~	~~2.39~~	~~0.11~~	~~20.6~~	~~0.05~~	~~0.07~~	~~0.02~~	~~4.9~~
~~14: PG 03403~~	~~0.86~~	~~0.27~~	~~0.03~~	~~7.19~~	~~0.03~~	~~0.03~~	~~0.02~~	~~< 0.5~~
15: PB 00118	0.58	0.14	0.05	4.25	< 0.02	0.02	< 0.02	< 0.5
16: PB 00119	0.51	0.28	0.04	4.37	0.02	< 0.02	0.02	< 0.5
17: PB 00120	0.45	0.18	0.04	3.52	0.02	0.02	0.02	< 0.5
18: PB 00121	0.64	0.21	0.03	3.45	< 0.02	0.02	0.05	< 0.5
19: PB 00122	0.44	0.13	0.03	4.39	0.02	0.02	0.02	< 0.5
20: PB 00123	0.50	0.15	0.03	3.82	< 0.02	< 0.02	0.02	8.5
21: PB 00124	0.53	0.14	0.04	4.18	0.04	0.04	< 0.02	0.6
standard 22: PB 00125	0.74	< 0.05	< 0.02	0.77	0.04	0.08	0.03	< 0.5
23: PB 00126	0.58	0.23	0.03	4.49	< 0.02	0.04	0.02	< 0.5
24: PB 00127	0.58	0.29	0.04	4.34	0.04	0.05	0.02	< 0.5
25: PB 00128	0.49	0.23	0.03	3.84	0.03	< 0.02	< 0.02	< 0.5
26: PB 00129	0.44	0.20	0.04	3.42	< 0.02	< 0.02	< 0.02	0.6
~~27: PG 03404~~	~~0.19~~	~~0.96~~	~~< 0.02~~	~~5.96~~	~~0.03~~	~~0.03~~	~~0.05~~	~~1.9~~
28: PG 00130	0.42	0.19	0.03	2.89	< 0.02	< 0.02	0.02	< 0.5
29: PG 00131	0.33	0.16	0.02	2.47	< 0.02	< 0.02	< 0.02	< 0.5

Online LIMS

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LR Report : **CA09684-AUG04**

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
30: PG 00132	0.34	0.17	0.02	2.57	0.02	0.02	0.02	< 0.5
31: PG 00133	0.33	0.24	0.03	2.28	< 0.02	< 0.02	0.02	0.6
32: PG 00134	0.31	0.12	0.02	2.25	< 0.02	< 0.02	< 0.02	< 0.5
33: PG 00135	0.33	0.12	< 0.02	2.29	< 0.02	< 0.02	< 0.02	< 0.5
34: PG 00136	0.30	0.14	0.04	2.04	< 0.02	< 0.02	< 0.02	< 0.5
35: PG 00137	0.36	0.14	0.03	2.53	< 0.02	< 0.02	< 0.02	< 0.5
36: PG 00138	0.32	0.12	0.03	2.33	0.02	< 0.02	0.02	< 0.5
37: PG 00139	0.34	0.24	0.03	2.86	< 0.02	< 0.02	< 0.02	0.6
38: PG 00153	0.22	0.12	< 0.02	1.85	< 0.02	< 0.02	< 0.02	< 0.5
39: PG 00154	0.90	0.27	0.06	8.39	0.03	< 0.02	< 0.02	0.6
40: PG 00155	0.23	0.11	0.02	1.22	0.02	0.02	< 0.02	< 0.5
~~41: PG 03405~~	~~0.67~~	~~0.34~~	~~0.04~~	~~5.72~~	~~0.04~~	~~< 0.02~~	~~< 0.02~~	~~0.7~~
42-STD: PTC-1A XRF	10.1	13.7	0.30	---	---	---	---	---
43-STD: SU1a XRF	1.20	0.97	0.04	---	---	---	---	---
46-STD: nbm-1	---	---	---	0.31	---	---	---	---
47-STD: RTS-1	---	---	---	1.66	---	---	---	---
48-STD: RTS-2	---	---	---	18.5	---	---	---	---
49-STD: CZN-3	---	---	---	31.6	---	---	---	41.6
50-STD: WMS_1	---	---	---	---	1.78	1.14	0.21	---
51-DUP: PB 00123	0.48	0.17	0.04	3.75	0.03	< 0.02	0.02	8.4
52-DUP: PG 00155	0.23	0.08	< 0.02	1.25	< 0.02	< 0.02	< 0.02	< 0.5

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ES2004-02A (partial)
ES2004-05 (partial)
ES2004-06
ES2004-07
ES2004-08 (partial)

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Friday, October 15, 2004

Date Rec. : 23 September 2004
LR Report : **CA09812-SEP04**
Project : 2402807
Client Ref : PO# 300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 00091	0.10	< 0.05	0.03	0.08	< 0.02	< 0.02	< 0.02	< 0.5
2: PG 00092	< 0.05	< 0.05	0.02	0.62	< 0.02	< 0.02	< 0.02	< 0.5
3: PG 00093	0.05	< 0.05	< 0.02	7.49	< 0.02	0.02	0.02	0.6
4: PG 00094	< 0.05	< 0.05	< 0.02	0.36	< 0.02	< 0.02	< 0.02	< 0.5
5: PG 00095	< 0.05	< 0.05	0.03	1.22	0.12	< 0.02	< 0.02	< 0.5
6: PG 00096	0.08	0.08	0.02	13.0	< 0.02	< 0.02	0.02	0.6
7: PG 00097	0.06	0.11	0.03	11.4	< 0.02	< 0.02	< 0.02	0.6
8: PG 00098	0.07	0.08	< 0.02	12.8	< 0.02	0.02	0.02	< 0.5
9: PG 00099	0.06	0.08	0.02	10.7	< 0.02	< 0.02	< 0.02	< 0.5
standard — 10: PG 00100	0.78	< 0.05	< 0.02	0.79	0.03	0.10	0.03	< 0.5
11: PG 00101	0.07	0.08	0.02	11.7	< 0.02	0.02	0.02	< 0.5
12: PG 00102	0.05	0.07	< 0.02	10.4	< 0.02	< 0.02	0.03	0.6
13: PG 00103	< 0.05	< 0.05	< 0.02	6.01	< 0.02	< 0.02	< 0.02	< 0.5
14: PG 00104	< 0.05	< 0.05	0.02	6.69	< 0.02	< 0.02	0.02	< 0.5
15: PG 00105	< 0.05	< 0.05	< 0.02	1.68	< 0.02	< 0.02	< 0.02	< 0.5
16: PG 00140	0.22	0.10	< 0.02	1.43	< 0.02	< 0.02	< 0.02	0.6
17: PG 00141	0.19	0.10	0.02	1.32	< 0.02	< 0.02	< 0.02	< 0.5
18: PG 00142	0.21	0.07	< 0.02	1.59	< 0.02	< 0.02	< 0.02	< 0.5
19: PG 00143	0.18	0.16	0.02	1.44	< 0.02	< 0.02	0.02	0.5
20: PG 00144	0.15	0.06	< 0.02	0.81	< 0.02	< 0.02	< 0.02	< 0.5
21: PG 00145	0.24	0.12	0.02	1.79	< 0.02	< 0.02	< 0.02	< 0.5
22: PG 00146	0.27	0.10	0.02	1.65	< 0.02	< 0.02	0.02	< 0.5
23: PG 00147	0.20	0.08	< 0.02	1.17	< 0.02	< 0.02	< 0.02	< 0.5
24: PG 00148	0.17	0.08	< 0.02	1.08	< 0.02	< 0.02	< 0.02	< 0.5
25: PG 00149	0.13	< 0.05	< 0.02	0.75	< 0.02	< 0.02	< 0.02	< 0.5
standard — 26: PG 00150	0.79	< 0.05	< 0.02	0.76	0.05	0.10	0.04	< 0.5

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LR Report : CA09812-SEP04

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
27: PG 00151	0.10	< 0.05	0.02	0.41	< 0.02	< 0.02	< 0.02	< 0.5
28: PG 00152	0.23	0.09	0.03	1.46	< 0.02	< 0.02	0.02	0.6
29: PG 00156	< 0.05	< 0.05	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.5
30: PG 00157	0.14	0.08	< 0.02	2.09	< 0.02	< 0.02	< 0.02	< 0.5
31: PG 00158	0.11	< 0.05	< 0.02	1.17	< 0.02	< 0.02	< 0.02	< 0.5
32: PG 00159	0.10	< 0.05	< 0.02	1.29	< 0.02	< 0.02	< 0.02	< 0.5
33: PG 00160	0.26	0.11	0.03	0.49	< 0.02	< 0.02	< 0.02	< 0.5
34: PG 00161	0.09	< 0.05	< 0.02	0.71	< 0.02	< 0.02	< 0.02	< 0.5
35: PG 00162	0.22	0.07	0.03	3.14	< 0.02	< 0.02	< 0.02	< 0.5
36: PG 00163	0.36	0.12	0.02	4.50	< 0.02	< 0.02	< 0.02	< 0.5
37: PG 00164	0.11	0.08	< 0.02	0.47	< 0.02	< 0.02	< 0.02	< 0.5
38: PG 00165	0.23	0.08	< 0.02	2.04	< 0.02	< 0.02	< 0.02	< 0.5
39: PG 00166	0.23	0.09	0.03	1.56	< 0.02	< 0.02	< 0.02	< 0.5
40: PG 00167	0.24	0.06	0.02	1.72	< 0.02	< 0.02	< 0.02	< 0.5
41: PG 00168	0.27	0.15	0.02	1.75	< 0.02	< 0.02	< 0.02	0.6
42: PG 00169	0.27	0.09	0.04	1.75	< 0.02	< 0.02	< 0.02	< 0.5
43: PG 00170	0.26	0.09	0.03	1.84	< 0.02	< 0.02	0.02	< 0.5
44: PG 00171	0.28	0.10	0.02	1.79	< 0.02	< 0.02	0.02	< 0.5
45: PG 00172	0.23	0.10	0.03	1.72	< 0.02	< 0.02	< 0.02	< 0.5
46: PG 00173	0.23	0.12	0.02	1.44	< 0.02	< 0.02	0.02	0.6
47: PG 00174	0.22	0.17	< 0.02	1.84	< 0.02	< 0.02	0.02	0.7
standard — 48: PG 00175	0.76	0.05	< 0.02	0.77	0.05	0.10	0.04	< 0.5
49: PG 00176	0.23	0.12	< 0.02	1.80	< 0.02	< 0.02	0.02	0.6
50: PG 00177	0.26	0.19	0.02	1.95	< 0.02	< 0.02	0.04	0.9
51: PG 00178	0.28	0.08	< 0.02	2.07	< 0.02	< 0.02	< 0.02	0.5
52: PG 00179	0.24	0.08	0.03	1.48	< 0.02	< 0.02	< 0.02	< 0.5
53: PG 00180	0.22	0.07	< 0.02	1.91	< 0.02	< 0.02	< 0.02	< 0.5
54: PG 00181	0.15	0.07	< 0.02	0.54	< 0.02	< 0.02	0.04	< 0.5
55: PG 00182	0.25	0.18	< 0.02	1.50	< 0.02	< 0.02	< 0.02	0.7
56: PG 00183	0.20	0.08	0.03	0.84	< 0.02	< 0.02	< 0.02	< 0.5
57: PG 00184	< 0.05	< 0.05	< 0.02	0.24	< 0.02	< 0.02	< 0.02	< 0.5
58: PG 00185	< 0.05	< 0.05	< 0.02	0.34	< 0.02	< 0.02	0.02	< 0.5
59: PG 00186	< 0.05	< 0.05	< 0.02	0.06	< 0.02	< 0.02	< 0.02	< 0.5
60: PG 00187	0.23	0.12	0.02	1.69	< 0.02	< 0.02	0.02	< 0.5
61: PG 00188	0.25	0.11	0.03	1.88	< 0.02	< 0.02	< 0.02	0.6
62: PG 00189	0.36	0.19	0.03	2.89	< 0.02	< 0.02	0.02	1.0
63: PG 00190	0.40	0.14	0.03	3.44	0.02	< 0.02	0.02	0.8
64: PG 00191	0.25	0.24	< 0.02	2.14	0.02	< 0.02	0.05	1.0
65: PG 00192	0.33	0.12	0.03	2.78	< 0.02	< 0.02	0.06	0.8
66: PG 00193	0.24	0.14	0.02	1.89	< 0.02	< 0.02	0.03	0.7
67: PG 00194	0.18	0.16	0.02	1.21	0.02	< 0.02	0.02	1.0
68: PG 00195	0.14	0.10	< 0.02	0.46	< 0.02	< 0.02	< 0.02	0.8

OnLine LIMS

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Phone: 705-652-2038 FAX: 705-652-6441

LR Report : CA09812-SEP04

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
69: PG 00196	0.08	0.20	< 0.02	0.27	< 0.02	< 0.02	0.05	1.7
70: PG 00197	< 0.05	< 0.05	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.5
71: PG 00198	0.17	0.12	< 0.02	1.42	< 0.02	< 0.02	< 0.02	< 0.5
72: PG 00199	0.19	0.16	< 0.02	1.85	0.02	< 0.02	0.02	< 0.5
standard — 73: PG 00200	0.76	< 0.05	< 0.02	0.78	0.04	0.10	0.02	< 0.5
74: PG 00201	0.11	0.07	< 0.02	1.09	< 0.02	< 0.02	< 0.02	< 0.5
75: PG 00202	0.11	0.09	< 0.02	1.00	< 0.02	< 0.02	< 0.02	< 0.5
76: PG 00203	0.09	0.08	< 0.02	0.68	0.02	< 0.02	< 0.02	< 0.5
77: PG 00204	0.08	< 0.05	< 0.02	0.66	< 0.02	< 0.02	< 0.02	< 0.5
78: PG 00206	0.08	0.07	< 0.02	0.77	< 0.02	< 0.02	0.02	0.6
79: PG 00207	0.06	< 0.05	< 0.02	0.44	< 0.02	< 0.02	< 0.02	< 0.5
80: PG 00208	0.06	< 0.05	< 0.02	0.47	0.02	< 0.02	< 0.02	< 0.5
81: PG 00209	0.07	< 0.05	< 0.02	0.62	< 0.02	< 0.02	< 0.02	< 0.5
82: PG 00210	0.07	0.05	< 0.02	0.59	< 0.02	< 0.02	< 0.02	< 0.5
83: PG 00211	0.14	0.05	< 0.02	1.22	< 0.02	< 0.02	< 0.02	< 0.5
84: PG 00212	0.16	0.07	0.03	1.47	< 0.02	< 0.02	< 0.02	< 0.5
85: PG 00213	0.11	0.06	0.02	1.10	< 0.02	< 0.02	< 0.02	< 0.5
86: PG 00214	0.15	< 0.05	< 0.02	1.38	< 0.02	< 0.02	< 0.02	< 0.5
87: PG 00215	0.19	0.06	< 0.02	1.69	< 0.02	< 0.02	< 0.02	< 0.5
88: PG 00216	0.16	0.09	< 0.02	1.21	< 0.02	< 0.02	< 0.02	0.5
89: PG 00217	0.17	0.11	< 0.02	1.45	< 0.02	< 0.02	< 0.02	< 0.5
90: PG 00218	0.16	0.11	0.02	1.46	< 0.02	< 0.02	< 0.02	< 0.5
91: PG 00219	0.18	0.07	< 0.02	1.54	< 0.02	< 0.02	< 0.02	< 0.5
92: PG 00220	< 0.05	< 0.05	< 0.02	0.04	0.02	< 0.02	< 0.02	< 0.5
93: PG 00221	< 0.05	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
94: PG 00222	0.18	0.08	< 0.02	1.45	< 0.02	< 0.02	< 0.02	< 0.5
95: PG 00223	< 0.05	< 0.05	< 0.02	0.06	< 0.02	< 0.02	< 0.02	< 0.5
96: PG 00224	0.22	0.08	< 0.02	0.91	0.02	< 0.02	< 0.02	< 0.5
standard — 97: PG 00225	0.74	< 0.05	< 0.02	0.78	0.05	0.10	0.03	< 0.5
98: PG 00226	0.79	0.72	0.03	3.51	0.02	0.03	< 0.02	0.7
99: PG 00227	3.32	2.01	0.12	15.0	0.05	0.06	< 0.02	1.6
100: PG 00228	1.80	0.76	0.05	10.2	0.04	0.05	0.04	0.6
101: PG 00229	1.65	0.69	0.07	9.31	0.04	0.04	< 0.02	0.6
102: PG 00230	0.41	0.22	0.03	1.26	< 0.02	0.03	< 0.02	< 0.5
103-STD: PTC-1A XRF	10.1	13.8	0.29	31.2	---	---	---	---
104-STD: SU1a XRF	1.23	0.99	0.05	9.50	---	---	---	---
105-STD: Ni1 XRF	0.98	0.30	0.04	---	---	---	---	---
106-STD: Ni2 XRF	1.91	0.73	0.06	---	---	---	---	---
107-STD: nbm-1	---	---	---	0.29	---	---	---	---
108-STD: RTS-1	---	---	---	1.65	---	---	---	---
109-STD: RTS-2	---	---	---	19.1	---	---	---	---
110-STD: CZN-3	---	---	---	31.6	---	---	---	42.3

OnLine LIMS

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LR Report : **CA09812-SEP04**

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
111-STD: WMS_1	---	---	---	---	1.98	1.34	0.18	---
112-STD: KC1a XRF	---	---	---	---	---	---	---	---
113-DUP: PG 00144	0.14	0.07	< 0.02	0.81	< 0.02	< 0.02	< 0.02	< 0.5
114-DUP: PG 00167	0.25	0.09	0.04	1.75	< 0.02	< 0.02	0.02	< 0.5
115-DUP: PG 00187	0.24	0.10	< 0.02	1.67	< 0.02	< 0.02	< 0.02	< 0.5
116-DUP: PG 00208	0.06	< 0.05	< 0.02	0.46	< 0.02	< 0.02	< 0.02	< 0.5
117-DUP: PG 00228	1.78	0.78	0.06	10.4	0.06	0.05	< 0.02	< 0.5
118-REP: PG 00091	0.09	< 0.05	< 0.02	0.08	< 0.02	< 0.02	< 0.02	< 0.5
119-REP: PG 00178	0.24	0.11	< 0.02	2.11	0.02	< 0.02	< 0.02	0.6
120-REP: PG 00229	1.56	0.63	0.07	9.33	0.04	0.04	< 0.02	0.7

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ES2004-09 (partial)

Falconbridge Limited
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Wednesday, September 15, 2004

Date Rec. : 09 September 2004
LR Report : **CA09453-SEP04**
Project : 2402661
Client Ref : PO # 300

CERTIFICATE OF ANALYSIS

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG00231	< 0.05	< 0.05	< 0.02	0.10	< 0.02	< 0.02	< 0.02	< 0.5
2: PG00232	3.39	2.03	0.12	19.5	0.04	0.08	0.02	1.7
3: PG00233	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
4: PG00234	3.29	1.38	0.17	23.4	0.04	0.03	0.03	1.4
5: PG00235	2.92	0.68	0.13	18.2	0.05	0.03	< 0.02	0.8
6: PG00236	2.94	1.30	0.12	18.1	0.10	0.05	0.02	1.0
7: PG00237	< 0.05	< 0.05	< 0.02	0.20	< 0.02	< 0.02	< 0.02	< 0.5
8: PG00238	< 0.05	< 0.05	< 0.02	0.38	< 0.02	< 0.02	< 0.02	< 0.5
9: PG00239	0.34	0.49	< 0.02	2.52	0.03	< 0.02	< 0.02	< 0.5
10: PG00240	5.55	5.42	0.16	31.1	0.05	0.07	0.08	3.6
11: PG00241	0.11	0.07	< 0.02	0.47	< 0.02	< 0.02	< 0.02	< 0.5
12: PG00242	< 0.05	< 0.05	< 0.02	0.16	< 0.02	< 0.02	< 0.02	< 0.5
13: PG00243	6.56	1.87	0.20	30.6	0.03	0.06	0.05	1.0
14: PG00244	7.22	2.21	0.21	33.4	0.21	0.59	0.06	1.2
15: PG00245	0.06	0.12	< 0.02	0.24	< 0.02	< 0.02	< 0.02	< 0.5

N. Mozola

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ES2004-10 (partial)

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Friday, October 15, 2004

Date Rec. : 06 October 2004
LR Report : **CA09431-OCT04**
Project : 2402807
Client Ref : PO# 300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 03001	0.06	< 0.05	< 0.02	0.16	0.06	< 0.02	0.02	< 0.5
2: PG 03002	0.08	< 0.05	0.02	0.26	< 0.02	< 0.02	< 0.02	< 0.5
3: PG 03003	0.09	< 0.05	< 0.02	0.44	< 0.02	< 0.02	< 0.02	< 0.5
4: PG 03004	0.07	0.05	< 0.02	0.10	0.02	< 0.02	< 0.02	< 0.5
5: PG 03005	0.23	0.07	< 0.02	0.36	0.02	< 0.02	< 0.02	< 0.5
6: PG 03006	0.14	< 0.05	0.02	0.27	< 0.02	< 0.02	< 0.02	< 0.5
7: PG 03007	< 0.05	< 0.05	< 0.02	0.18	< 0.02	< 0.02	< 0.02	< 0.5
8: PG 03008	< 0.05	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
9: PG 03009	< 0.05	0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
10: PG 03010	< 0.05	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
11: PG 03011	< 0.05	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
12: PG 03012	0.08	< 0.05	< 0.02	0.19	0.02	< 0.02	< 0.02	< 0.5
13: PG 03013	0.52	0.12	0.02	4.24	0.02	0.02	< 0.02	0.5
14: PG 03014	0.33	0.31	0.03	3.13	< 0.02	< 0.02	0.03	1.1
15: PG 03015	0.26	0.17	< 0.02	1.82	0.02	< 0.02	0.02	0.6
16: PG 03016	0.30	0.28	0.03	2.50	0.03	< 0.02	0.13	1.2
17: PG 03017	0.37	0.33	< 0.02	2.81	0.02	0.02	0.03	1.1
18: PG 03018	0.42	0.37	0.02	3.14	< 0.02	< 0.02	< 0.02	0.8
19: PG 03019	0.29	0.10	< 0.02	1.93	0.02	< 0.02	< 0.02	< 0.5
20: PG 03020	0.20	0.09	< 0.02	1.13	< 0.02	< 0.02	< 0.02	< 0.5
21: PG 03021	0.16	0.09	0.03	0.95	0.02	< 0.02	< 0.02	< 0.5
22: PG 00246	< 0.05	< 0.05	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.5
23: PG 00247	< 0.05	< 0.05	< 0.02	0.10	< 0.02	< 0.02	< 0.02	< 0.5
24: PG 00248	0.11	0.07	< 0.02	0.85	< 0.02	< 0.02	< 0.02	< 0.5
25: PG 00249	0.12	0.06	< 0.02	0.69	< 0.02	< 0.02	< 0.02	< 0.5
standard — 26: PG00250	0.79	< 0.05	< 0.02	0.80	0.04	0.09	0.02	< 0.5

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LR Report : CA09431-OCT04

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
27-STD: PTC-1A XRF	10.2	13.8	0.29	30.6	---	---	---	---
28-STD: SU1a XRF	---	---	---	9.20	---	---	---	---
31-STD: nbm-1	---	---	---	0.30	---	---	---	---
32-STD: RTS-1	---	---	---	1.66	---	---	---	---
33-STD: RTS-2	---	---	---	19.3	---	---	---	---
34-STD: CZN-3	---	---	---	31.6	---	---	---	44.1
35-STD: WMS_1	---	---	---	---	1.82	1.28	0.23	---
37-DUP: PG 03020	0.18	0.09	< 0.02	1.12	< 0.02	< 0.02	< 0.02	< 0.5

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ES2004-10 (partial)

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Friday, October 15, 2004

Date Rec. : 23 September 2004
LR Report : **CA09813-SEP04**
Project : 2402807
Client Ref : PO# 300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 03022	0.21	0.09	0.02	1.42	< 0.02	0.02	0.02	< 0.5
2: PG 03023	0.26	0.17	< 0.02	2.00	< 0.02	0.02	< 0.02	< 0.5
3: PG 03024	0.47	0.31	0.03	3.88	0.03	0.03	< 0.02	0.9
standard — 4: PG 03025	0.77	< 0.05	0.02	0.80	0.05	0.10	0.03	< 0.5
5: PG 03026	0.46	0.11	< 0.02	3.72	< 0.02	0.03	< 0.02	< 0.5
6: PG 03027	0.28	0.11	0.02	2.32	< 0.02	0.02	< 0.02	< 0.5
7: PG 03028	0.23	0.19	0.02	1.36	< 0.02	0.02	0.06	0.6
8: PG 03029	0.30	0.17	0.02	2.33	0.03	0.03	0.02	0.6
9: PG 03030	0.09	0.11	< 0.02	0.11	0.04	0.04	< 0.02	< 0.5
10: PG 03031	0.08	0.08	< 0.02	0.67	< 0.02	< 0.02	< 0.02	< 0.5
11: PG 03032	0.06	< 0.05	0.04	0.03	0.02	0.02	< 0.02	< 0.5
12: PG 03033	< 0.05	< 0.05	< 0.02	0.05	< 0.02	< 0.02	< 0.02	< 0.5
13: PG 03034	< 0.05	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
14: PG 03035	0.07	0.07	< 0.02	2.15	0.02	< 0.02	0.02	< 0.5
15: PG 03036	< 0.05	< 0.05	< 0.02	0.93	0.02	< 0.02	< 0.02	< 0.5
16-STD: PTC-1A XRF	10.0	13.4	0.31	32.0	---	---	---	---
17-STD: SU1a XRF	---	---	---	9.35	---	---	---	---
20-STD: nbm-1	---	---	---	0.30	---	---	---	---
21-STD: RTS-1	---	---	---	1.73	---	---	---	---
22-STD: RTS-2	---	---	---	18.9	---	---	---	---
23-STD: CZN-3	---	---	---	31.6	---	---	---	41.9
24-STD: CDN PGMS-3	---	---	---	---	0.12	0.61	0.32	---

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LR Report : **CA09813-SEP04**

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ES2004-11
ES2004-12
ES2004-13
ES2004-08 (partial)
ES2004-09 (partial)

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Friday, October 15, 2004

Date Rec. : 29 September 2004
LR Report : **CA09840-SEP04**
Client Ref : PO#

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 03037	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
2: PG 03038	0.35	0.23	0.02	3.06	0.03	0.07	< 0.02	< 0.5
3: PG 03039	0.05	< 0.05	< 0.02	0.67	0.02	0.02	0.05	< 0.5
4: PG 03040	0.25	0.16	0.02	2.62	0.02	0.06	0.15	< 0.5
5: PG 03041	0.10	0.09	< 0.02	0.87	0.02	0.03	< 0.02	< 0.5
6: PG 03042	0.07	0.05	< 0.02	0.64	0.03	0.05	< 0.02	< 0.5
7: PG 03043	0.21	0.21	< 0.02	1.82	0.09	0.21	0.03	0.5
8: PG 03044	0.23	0.17	< 0.02	2.00	0.03	0.04	0.02	< 0.5
9: PG 03045	0.23	0.08	< 0.02	1.51	0.03	0.05	< 0.02	< 0.5
10: PG 03046	0.30	0.24	< 0.02	2.28	0.02	0.03	< 0.02	0.6
11: PG 03047	< 0.05	0.05	< 0.02	0.13	< 0.02	< 0.02	< 0.02	< 0.5
12: PG 03048	0.14	0.12	0.02	1.18	0.03	0.03	0.02	0.5
13: PG 03049	0.15	0.34	< 0.02	1.78	0.06	0.04	0.06	1.4
standard — 14: PG 03050	0.81	< 0.05	< 0.02	0.79	0.06	0.13	0.09	< 0.5
15: PG 03051	0.24	0.09	0.02	2.46	0.03	0.04	< 0.02	< 0.5
16: PG 03052	0.21	0.10	0.03	1.85	0.02	0.03	< 0.02	< 0.5
17: PG 03053	0.35	0.16	< 0.02	3.24	0.04	0.06	< 0.02	< 0.5
18: PG 03054	0.62	0.40	0.03	4.40	0.03	0.07	< 0.02	1.0
19: PG 03055	0.47	0.24	0.04	0.38	0.06	0.04	< 0.02	0.8
20: PG 03056	< 0.05	0.08	< 0.02	0.38	0.02	0.02	< 0.02	< 0.5
21: PG 03057	< 0.05	< 0.05	< 0.02	2.15	< 0.02	< 0.02	< 0.02	< 0.5
22: PG 03058	< 0.05	< 0.05	< 0.02	1.08	< 0.02	< 0.02	< 0.02	< 0.5
23: PG 03059	< 0.05	0.05	< 0.02	4.09	0.03	0.02	< 0.02	< 0.5
24: PG 03060	< 0.05	< 0.05	< 0.02	1.54	0.02	0.02	< 0.02	< 0.5
25: PG 03061	< 0.05	< 0.05	< 0.02	1.70	< 0.02	0.02	< 0.02	< 0.5
26: PG 03062	< 0.05	< 0.05	< 0.02	1.62	0.03	0.02	< 0.02	< 0.5
27: PG 03063	< 0.05	< 0.05	< 0.02	0.35	< 0.02	< 0.02	< 0.02	< 0.5

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LR Report : CA09840-SEP04

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
28: PG 03064	0.48	0.43	0.04	7.19	0.05	0.05	< 0.02	0.9
29: PG 03065	0.33	0.20	0.03	4.52	0.02	0.10	< 0.02	< 0.5
30: PG 03066	0.08	< 0.05	< 0.02	0.78	< 0.02	0.03	< 0.02	< 0.5
31: PG 03067	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
32: PG 03068	< 0.05	< 0.05	< 0.02	0.41	< 0.02	< 0.02	< 0.02	< 0.5
33: PG 03069	< 0.05	0.07	< 0.02	2.39	< 0.02	< 0.02	< 0.02	< 0.5
34: PG 03070	< 0.05	< 0.05	< 0.02	0.39	< 0.02	< 0.02	< 0.02	< 0.5
35: PG 03071	0.08	0.08	< 0.02	1.30	< 0.02	< 0.02	< 0.02	< 0.5
36: PG 03072	0.14	0.07	< 0.02	1.03	0.02	< 0.02	< 0.02	< 0.5
37: PG 03073	0.18	0.17	< 0.02	1.46	0.03	< 0.02	< 0.02	< 0.5
38: PG 03074	0.25	0.12	0.02	2.16	0.03	0.02	< 0.02	< 0.5
standard — 39: PG 03075	0.77	< 0.05	< 0.02	0.78	0.03	0.09	0.02	< 0.5
40: PG 03076	0.21	0.08	0.03	1.65	0.02	0.02	< 0.02	< 0.5
41: PG 03077	0.20	0.07	< 0.02	1.81	0.02	< 0.02	< 0.02	< 0.5
42: PG 03078	0.32	0.13	0.04	2.75	0.03	0.03	< 0.02	< 0.5
43: PG 03079	0.23	0.13	0.02	1.95	0.03	0.02	0.02	< 0.5
44: PG 03080	0.23	0.11	< 0.02	1.93	0.03	< 0.02	< 0.02	< 0.5
45: PG 03081	0.11	< 0.05	0.02	0.17	< 0.02	< 0.02	< 0.02	< 0.5
46: PG 03082	0.11	< 0.05	< 0.02	0.13	< 0.02	< 0.02	< 0.02	< 0.5
47: PG 03083	0.16	< 0.05	< 0.02	0.96	0.02	< 0.02	< 0.02	< 0.5
48: PG 03084	0.11	< 0.05	0.02	0.14	< 0.02	< 0.02	< 0.02	< 0.5
49: PG 03085	0.11	< 0.05	< 0.02	0.08	< 0.02	< 0.02	< 0.02	< 0.5
50: PG 03086	0.29	0.09	0.03	1.16	< 0.02	< 0.02	< 0.02	< 0.5
51: PG 03087	0.13	< 0.05	< 0.02	0.10	0.02	< 0.02	< 0.02	< 0.5
52: PG 03088	0.14	< 0.05	0.02	0.16	< 0.02	< 0.02	< 0.02	< 0.5
53: PG 03089	0.29	0.08	0.03	2.14	0.03	< 0.02	< 0.02	< 0.5
54: PG 03090	0.06	0.07	< 0.02	0.07	0.02	< 0.02	0.02	< 0.5
55: PG 03091	0.07	< 0.05	0.02	0.10	< 0.02	< 0.02	< 0.02	< 0.5
56: PG 03092	0.30	0.15	0.02	1.42	0.04	0.02	0.03	< 0.5
57: PG 03093	0.08	< 0.05	0.03	0.09	0.03	< 0.02	< 0.02	< 0.5
58: PG 03094	< 0.05	< 0.05	< 0.02	0.14	0.02	< 0.02	< 0.02	< 0.5
59: PG 03095	< 0.05	< 0.05	< 0.02	0.05	0.08	0.02	0.02	< 0.5
60: PG 03096	< 0.05	0.06	< 0.02	0.26	< 0.02	< 0.02	< 0.02	< 0.5
61: PG 03097	0.07	< 0.05	< 0.02	0.24	< 0.02	< 0.02	< 0.02	< 0.5
62: PG 03098	0.08	< 0.05	< 0.02	0.21	< 0.02	< 0.02	< 0.02	< 0.5
63: PG 03099	0.08	< 0.05	0.02	0.26	< 0.02	< 0.02	< 0.02	< 0.5
standard — 64: PG 03100	0.77	< 0.05	< 0.02	0.80	0.11	0.10	0.02	< 0.5
65: PG 03101	0.08	< 0.05	0.02	0.22	< 0.02	< 0.02	< 0.02	< 0.5
66: PG 03102	0.07	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
67: PG 03103	0.08	< 0.05	< 0.02	1.00	0.06	0.03	< 0.02	< 0.5
68: PG 03104	< 0.05	< 0.05	0.03	2.18	0.03	< 0.02	< 0.02	< 0.5
69: PG 03105	< 0.05	< 0.05	< 0.02	6.01	< 0.02	< 0.02	< 0.02	< 0.5

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Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
70: PG 03106	< 0.05	< 0.05	< 0.02	0.07	0.02	< 0.02	< 0.02	< 0.5
71: PG 03107	0.46	0.12	< 0.02	2.11	< 0.02	< 0.02	< 0.02	< 0.5
72: PG 03108	< 0.05	< 0.05	< 0.02	0.01	0.03	< 0.02	< 0.02	< 0.5
73: PG 03109	< 0.05	< 0.05	< 0.02	0.50	< 0.02	< 0.02	< 0.02	< 0.5
74: PG 03110	0.51	0.30	0.03	2.64	< 0.02	< 0.02	< 0.02	< 0.5
75: PG 03111	< 0.05	< 0.05	< 0.02	0.02	0.02	< 0.02	< 0.02	< 0.5
76: PG 03112	< 0.05	< 0.05	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.5
77: PG 03113	0.13	0.06	< 0.02	0.37	0.02	< 0.02	< 0.02	< 0.5
78-STD: PTC-1A XRF	9.91	13.5	0.28	31.3	---	---	---	---
79-STD: Ni1 XRF	0.99	0.32	0.03	9.14	---	---	---	---
80-STD: Ni2 XRF	1.92	0.72	0.06	---	---	---	---	---
81-STD: Ni2 XRF	1.98	0.75	0.05	---	---	---	---	---
82-STD: nbm-1	---	---	---	0.29	---	---	---	---
83-STD: RTS-1	---	---	---	1.64	---	---	---	---
84-STD: RTS-2	---	---	---	19.3	---	---	---	---
85-STD: CZN-3	---	---	---	32.3	---	---	---	43.8
86-STD: WMS_1	---	---	---	---	1.78	1.11	0.22	---
88-DUP: PG 03056	< 0.05	< 0.05	< 0.02	0.37	< 0.02	0.02	0.02	< 0.5
89-DUP: PG 03076	0.20	0.08	< 0.02	1.61	0.02	0.02	< 0.02	< 0.5
90-DUP: PG 03096	< 0.05	0.06	< 0.02	0.27	0.02	< 0.02	< 0.02	< 0.5
91-REP: PG 03087	0.11	< 0.05	< 0.02	0.09	< 0.02	< 0.02	< 0.02	< 0.5

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ES2004-14
ES2004-15
ES2004-16
ES2004-17

Falconbridge Limited
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Phone: 416 982 7455
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Friday, November 05, 2004

Date Rec. : 22 October 2004
LR Report : **CA09825-OCT04**
Project : 2403122
Client Ref : PO#300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG03114	0.13	0.07	< 0.02	0.97	0.02	< 0.02	0.02	< 0.5
2: PG03115	0.11	0.11	< 0.02	0.97	< 0.02	< 0.02	0.03	< 0.5
3: PG03116	0.20	0.07	< 0.02	1.63	< 0.02	< 0.02	< 0.02	< 0.5
4: PG03117	0.16	0.11	0.03	1.46	0.03	< 0.02	0.03	0.6
5: PG03118	0.19	0.16	0.02	2.01	0.02	< 0.02	0.04	< 0.5
6: PG03119	0.14	0.06	0.03	1.10	< 0.02	< 0.02	0.03	< 0.5
7: PG03120	0.17	0.06	0.03	1.63	< 0.02	< 0.02	0.08	0.7
8: PG03121	0.19	0.07	0.02	2.14	< 0.02	< 0.02	0.02	< 0.5
9: PG03122	0.16	0.08	0.02	1.68	0.02	< 0.02	0.04	< 0.5
10: PG03123	0.16	0.07	0.03	1.83	< 0.02	< 0.02	0.02	< 0.5
11: PG03124	0.12	0.06	< 0.02	1.25	0.02	< 0.02	< 0.02	< 0.5
standard — 12: PG03125	0.77	< 0.05	< 0.02	0.76	0.06	0.09	0.02	< 0.5
13: PG03126	0.13	< 0.05	< 0.02	1.21	< 0.02	< 0.02	< 0.02	< 0.5
14: PG03127	0.13	< 0.05	0.03	1.47	0.02	< 0.02	0.03	< 0.5
15: PG03128	0.05	< 0.05	< 0.02	0.77	< 0.02	< 0.02	0.03	< 0.5
16: PG03129	0.14	0.10	< 0.02	1.92	0.02	< 0.02	0.09	< 0.5
17: PG03130	0.11	< 0.05	< 0.02	1.38	< 0.02	< 0.02	0.02	< 0.5
18: PG03131	0.15	0.08	0.02	2.23	0.02	< 0.02	0.04	< 0.5
19: PG03132	0.13	0.13	< 0.02	2.01	< 0.02	< 0.02	0.43	< 0.5
20: PG03133	0.21	0.22	0.03	3.46	< 0.02	< 0.02	0.05	0.8
21: PG03134	< 0.05	0.20	< 0.02	0.41	0.02	< 0.02	0.02	< 0.5
22: PG03135	0.66	0.37	0.06	10.4	0.02	< 0.02	0.03	0.6
23: PG03136	0.06	0.19	< 0.02	0.85	< 0.02	< 0.02	0.02	< 0.5
24: PG03137	0.99	0.10	0.08	14.9	0.03	0.05	0.04	< 0.5
25: PG03138	0.15	0.16	0.02	2.46	0.02	< 0.02	0.02	< 0.5
26: PG03139	< 0.05	0.07	< 0.02	0.87	0.02	< 0.02	0.05	< 0.5

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LR Report : CA09825-OCT04

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
27: PG03140	< 0.05	< 0.05	< 0.02	0.27	< 0.02	< 0.02	< 0.02	< 0.5
28: PG03141	0.27	0.13	0.03	3.98	0.03	< 0.02	0.02	< 0.5
29: PG03142	0.18	0.13	0.02	2.85	0.02	< 0.02	0.07	< 0.5
30: PG03143	0.34	0.17	0.04	5.98	0.03	< 0.02	0.03	< 0.5
31: PG03144	< 0.05	0.20	< 0.02	0.94	< 0.02	< 0.02	0.11	0.5
32: PG03145	0.17	0.06	< 0.02	1.46	< 0.02	< 0.02	0.03	< 0.5
33: PG03146	0.13	< 0.05	0.02	0.98	< 0.02	< 0.02	< 0.02	< 0.5
34: PG03147	0.13	0.09	< 0.02	1.04	< 0.02	< 0.02	< 0.02	< 0.5
35: PG03148	0.21	0.10	0.02	1.42	0.02	< 0.02	0.07	< 0.5
36: PG03149	0.27	0.14	0.02	1.87	< 0.02	< 0.02	0.03	< 0.5
standard — 37: PG03150	0.76	< 0.05	< 0.02	0.82	0.05	0.09	0.04	< 0.5
38: PG03151	0.16	0.07	< 0.02	1.38	0.02	< 0.02	0.02	< 0.5
39: PG03152	0.08	0.06	0.03	4.74	0.03	0.03	0.04	< 0.5
40: PG03153	0.15	0.16	< 0.02	1.44	0.02	< 0.02	< 0.02	< 0.5
41: PG03154	0.16	0.10	0.03	1.96	0.03	< 0.02	0.03	< 0.5
42: PG03155	0.16	0.15	0.03	1.95	< 0.02	< 0.02	0.02	< 0.5
43: PG03156	0.11	< 0.05	< 0.02	1.29	0.02	< 0.02	< 0.02	< 0.5
44: PG03157	0.17	0.09	< 0.02	2.22	0.03	< 0.02	0.03	< 0.5
45: PG03158	0.11	0.06	< 0.02	1.49	0.02	< 0.02	< 0.02	< 0.5
46: PG03159	0.09	< 0.05	< 0.02	1.26	< 0.02	< 0.02	< 0.02	< 0.5
47: PG03160	0.06	< 0.05	< 0.02	0.71	0.02	< 0.02	< 0.02	< 0.5
48: PG03161	0.07	0.07	< 0.02	0.89	< 0.02	< 0.02	< 0.02	< 0.5
49: PG03162	0.48	0.17	0.04	9.35	0.03	0.02	< 0.02	< 0.5
50: PG03163	0.70	0.29	0.07	13.8	0.03	0.02	0.02	< 0.5
51: PG03164	0.45	0.17	0.04	9.18	0.06	0.02	0.03	< 0.5
52: PG03165	0.18	0.25	0.02	4.06	0.02	< 0.02	0.02	0.6
53: PG03166	0.45	0.19	0.03	8.46	0.03	< 0.02	0.02	< 0.5
54: PG03167	0.20	0.16	< 0.02	4.18	< 0.02	< 0.02	0.02	< 0.5
55: PG03168	0.07	0.09	< 0.02	1.43	0.02	< 0.02	0.02	< 0.5
56: PG03169	0.15	0.13	< 0.02	2.98	< 0.02	< 0.02	< 0.02	< 0.5
57: PG03170	0.10	< 0.05	0.02	2.19	< 0.02	< 0.02	< 0.02	< 0.5
58: PG03171	0.09	0.07	< 0.02	1.84	< 0.02	< 0.02	< 0.02	< 0.5
59: PG03172	0.12	0.08	< 0.02	2.12	0.04	< 0.02	0.02	< 0.5
60: PG03173	0.09	0.06	0.02	1.73	0.04	< 0.02	0.02	< 0.5
61: PG03174	0.07	< 0.05	< 0.02	1.63	< 0.02	< 0.02	0.02	< 0.5
standard — 62: PG03175	0.77	< 0.05	< 0.02	0.79	0.07	0.10	0.03	< 0.5
63: PG03176	0.19	0.20	< 0.02	3.62	0.03	0.02	0.04	< 0.5
64: PG03178	0.68	0.40	0.04	12.4	0.02	< 0.02	0.07	1.0
65: PG03179	0.14	0.33	< 0.02	2.51	< 0.02	< 0.02	0.03	0.6
66: PG03180	0.24	0.09	< 0.02	2.55	< 0.02	< 0.02	< 0.02	< 0.5
67: PG03181	0.21	0.07	0.03	1.94	< 0.02	< 0.02	0.02	< 0.5
68: PG03182	0.34	0.29	0.03	3.43	< 0.02	< 0.02	0.02	0.5

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Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
69: PG03183	0.25	0.13	< 0.02	2.02	< 0.02	< 0.02	< 0.02	< 0.5
70: PG03184	0.31	0.12	0.02	2.34	0.02	< 0.02	0.02	< 0.5
71: PG03185	0.37	0.11	0.02	2.86	< 0.02	< 0.02	0.02	< 0.5
72: PG03186	0.31	0.09	0.04	2.46	< 0.02	< 0.02	< 0.02	< 0.5
73: PG03187	0.24	0.09	0.02	1.73	< 0.02	< 0.02	0.02	< 0.5
74: PG03188	0.70	0.19	0.05	5.49	0.08	0.02	0.03	< 0.5
75: PG03189	0.22	0.12	0.02	1.70	< 0.02	< 0.02	0.04	< 0.5
76: PG03190	0.44	0.20	< 0.02	4.51	< 0.02	< 0.02	0.03	< 0.5
77: PG03191	0.45	0.18	0.03	4.58	< 0.02	< 0.02	0.02	< 0.5
78: PG03192	< 0.05	< 0.05	< 0.02	0.53	< 0.02	< 0.02	< 0.02	< 0.5
79: PG03193	< 0.05	< 0.05	< 0.02	1.60	< 0.02	< 0.02	0.02	< 0.5
80: PG03195	< 0.05	< 0.05	< 0.02	0.24	< 0.02	< 0.02	< 0.02	< 0.5
81: PG03196	< 0.05	< 0.05	0.02	0.37	< 0.02	< 0.02	< 0.02	< 0.5
82: PG03197	0.09	< 0.05	< 0.02	2.70	< 0.02	< 0.02	0.02	< 0.5
83: PG03198	< 0.05	0.05	< 0.02	0.25	< 0.02	< 0.02	< 0.02	< 0.5
84: PG03199	0.38	0.35	0.03	10.8	< 0.02	0.07	< 0.02	0.6
standard — 85: PG03200	4.85	0.10	0.05	5.73	0.14	0.48	0.09	0.5
86: PG03201	0.08	0.08	< 0.02	2.18	< 0.02	< 0.02	< 0.02	< 0.5
87: PG03202	0.68	0.30	0.08	22.1	0.05	0.04	0.03	1.0
88: PG03203	< 0.05	< 0.05	< 0.02	1.01	< 0.02	< 0.02	< 0.02	< 0.5
89: PG03204	< 0.05	< 0.05	< 0.02	0.69	< 0.02	< 0.02	< 0.02	< 0.5
90: PG03205	0.08	< 0.05	0.03	0.44	< 0.02	< 0.02	< 0.02	< 0.5
91: PG03206	< 0.05	< 0.05	< 0.02	1.58	< 0.02	< 0.02	< 0.02	< 0.5
92: PG03207	< 0.05	< 0.05	< 0.02	0.11	< 0.02	< 0.02	< 0.02	< 0.5
93: PG03208	0.06	0.08	< 0.02	2.44	< 0.02	< 0.02	< 0.02	< 0.5
94: PG03209	< 0.05	< 0.05	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.5
95: PG03210	< 0.05	< 0.05	0.03	1.45	< 0.02	< 0.02	< 0.02	< 0.5
96: PG03211	< 0.05	< 0.05	< 0.02	1.56	< 0.02	< 0.02	< 0.02	< 0.5
97: PG03212	< 0.05	< 0.05	< 0.02	0.39	< 0.02	< 0.02	< 0.02	< 0.5
98: PG03213	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
99: PG03214	0.08	< 0.05	< 0.02	1.33	< 0.02	< 0.02	< 0.02	< 0.5
100: PG03215	0.32	< 0.05	0.03	4.76	0.05	< 0.02	< 0.02	< 0.5
101: PG03216	< 0.05	< 0.05	0.02	0.46	< 0.02	< 0.02	< 0.02	< 0.5
102: PG03217	< 0.05	< 0.05	< 0.02	0.14	< 0.02	< 0.02	< 0.02	< 0.5
103: PG03218	< 0.05	< 0.05	0.03	0.20	< 0.02	< 0.02	< 0.02	< 0.5
104: PG03219	0.06	< 0.05	< 0.02	0.91	< 0.02	< 0.02	< 0.02	< 0.5
105: PG03220	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
106: PG03221	0.43	0.14	0.08	10.5	0.06	< 0.02	0.02	< 0.5
107: PG03222	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
108: PG03223	< 0.05	< 0.05	< 0.02	0.59	< 0.02	< 0.02	< 0.02	< 0.5
109: PG03224	< 0.05	< 0.05	< 0.02	0.45	< 0.02	< 0.02	< 0.02	< 0.5
standard — 110: PG03225	0.76	< 0.05	< 0.02	0.77	0.04	0.08	0.02	< 0.5

OnLine LIMS

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Phone: 705-652-2038 FAX: 705-652-6441

LR Report : CA09825-OCT04

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
111-STD: PTC-1A XRF	10.2	13.7	0.30	---	---	---	---	---
112-STD: SU1a XRF	1.24	1.01	0.04	---	---	---	---	---
113-STD: Ni1 XRF	0.99	0.32	0.04	---	---	---	---	---
114-STD: Ni2 XRF	1.92	0.77	0.05	---	---	---	---	---
115-STD: nbm-1	---	---	---	0.29	---	---	---	---
116-STD: RTS-1	---	---	---	1.70	---	---	---	---
117-STD: RTS-2	---	---	---	18.3	---	---	---	---
118-STD: CZN-3	---	---	---	30.3	---	---	---	45.0
119-STD: WMS_1	---	---	---	---	1.91	1.20	0.31	---
121-DUP: PG03133	0.21	0.23	0.03	3.41	0.02	< 0.02	0.07	0.7
122-DUP: PG03153	0.15	0.15	0.02	1.41	< 0.02	< 0.02	< 0.02	< 0.5
123-DUP: PG03173	0.08	0.06	< 0.02	1.77	< 0.02	< 0.02	0.03	< 0.5
124-DUP: PG03195	< 0.05	< 0.05	< 0.02	0.25	< 0.02	< 0.02	< 0.02	< 0.5
125-DUP: PG03215	0.30	0.08	0.03	4.86	0.04	< 0.02	< 0.02	< 0.5
126-REP: PG03164	0.47	0.18	0.06	9.23	0.02	< 0.02	0.05	< 0.5
127-REP: PG03216	< 0.05	< 0.05	< 0.02	0.46	< 0.02	< 0.02	0.02	< 0.5

Debbie Waldon

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Project Coordinator,
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ES2004-17 WRA
ES2004-16 WRA

Falconbridge Limited
Attn : Patti Tirschmann

Queen's Quay Terminal, 207 Queen's Quay West, Suite 800
Toronto, Ontario, M5J 1A7

Phone: 416 982 7455
Fax:416 982 7420

Thursday, November 04, 2004

Date Rec. : 22 October 2004
LR Report : **CA09826-OCT04**
Client Ref : PO#300

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Ni %	Cu %	Co %	S %	Au g/t	Pt g/t	Pd g/t	Ag g/t	SiO2 %	Al2O3 %	Fe2O3 %
1: PG03194	0.10	< 0.05	< 0.02	0.15	0.02	< 0.02	< 0.02	< 0.5	39.1	5.70	13.6
2: PG03226	< 0.05	< 0.05	< 0.02	0.19	< 0.02	< 0.02	< 0.02	< 0.5	50.9	12.7	16.6
3-STD: PTC-1A XRF	10.2	13.7	0.30	30.5	---	---	---	---	---	---	---
4-STD: SU1a XRF	---	---	---	9.00	---	---	---	---	---	---	---
7-STD: nbm-1	---	---	---	0.31	---	---	---	---	---	---	---
8-STD: RTS-1	---	---	---	1.67	---	---	---	---	---	---	---
9-STD: RTS-2	---	---	---	18.6	---	---	---	---	---	---	---
10-STD: CZN-3	---	---	---	31.6	---	---	---	41.7	---	---	---
11-STD: WMS_1	---	---	---	---	0.36	1.99	1.33	---	---	---	---

Sample ID	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
1: PG03194	28.6	4.15	0.24	0.03	0.26	0.02	0.18	0.45	0.02	8.32	100.6
2: PG03226	4.13	7.77	3.16	1.69	2.67	0.44	0.25	< 0.01	0.11	-0.27	100.1
3-STD: PTC-1A XRF	---	---	---	---	---	---	---	---	---	---	---
4-STD: SU1a XRF	---	---	---	---	---	---	---	---	---	---	---
7-STD: nbm-1	---	---	---	---	---	---	---	---	---	---	---
8-STD: RTS-1	---	---	---	---	---	---	---	---	---	---	---
9-STD: RTS-2	---	---	---	---	---	---	---	---	---	---	---
10-STD: CZN-3	---	---	---	---	---	---	---	---	---	---	---
11-STD: WMS_1	---	---	---	---	---	---	---	---	---	---	---

Debbie Waldon
Debbie Waldon
Project Coordinator,
Minerals Services, Analytical

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ES2005-19
ES2005-20
ES2005-21

Tuesday, April 12, 2005

Falconbridge Limited
Attn : Patti Tirschmann

Queen's Quay Terminal, 207 Queen's Quay West, Suite 800
Toronto, Ontario, M5J 1A7

Phone: 416 982 7455
Fax:416 982 7420

Date Rec. : 22 March 2005
LR Report : **CA09869-MAR05**
Project : 2500639
Client Ref : PO#3000

CERTIFICATE OF ANALYSIS

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG03751	0.24	0.20	< 0.02	0.62	< 0.02	0.03	< 0.02	2.0
2: PG03752	2.67	1.57	0.07	10.7	0.41	0.20	0.05	2.3
3: PG03753	0.22	0.12	< 0.02	1.24	< 0.02	0.02	< 0.02	0.6
4: PG03754	0.14	0.09	< 0.02	0.61	< 0.02	< 0.02	< 0.02	< 0.5
5: PG03755	< 0.05	< 0.05	< 0.02	0.04	< 0.02	0.09	< 0.02	< 0.5
6: PG03756	4.12	0.60	0.13	21.1	0.16	0.10	0.04	0.8
7: PG03757	< 0.05	< 0.05	< 0.02	0.11	< 0.02	< 0.02	0.02	0.8
8: PG03758	0.22	0.07	< 0.02	1.23	< 0.02	< 0.02	< 0.02	0.7
9: PG03759	1.28	0.70	0.04	6.88	< 0.02	0.04	0.02	1.0
10: PG03760	2.57	1.16	0.07	14.0	0.03	0.03	0.03	1.1
11: PG03761	3.76	1.40	0.10	17.5	0.09	0.09	0.05	1.0
12: PG03762	1.06	0.64	0.05	4.64	< 0.02	0.02	< 0.02	0.5
13: PG03763	0.19	0.11	< 0.02	0.71	< 0.02	0.11	0.02	0.7
14: PG03764	< 0.05	0.05	< 0.02	0.26	< 0.02	< 0.02	0.03	< 0.5
15: PG03765	1.83	2.50	0.07	10.9	0.05	0.07	0.03	2.6
16: PG03766	2.17	0.84	0.09	10.2	0.07	0.03	0.02	0.8
17: PG03767	7.79	2.34	0.20	32.5	0.05	0.22	0.04	2.6
18: PG03768	7.72	2.23	0.21	29.8	0.06	0.20	0.31	2.3
19: PG03769	0.23	0.15	0.03	1.39	< 0.02	< 0.02	< 0.02	< 0.5
20: PG03770	< 0.05	< 0.05	< 0.02	0.14	< 0.02	< 0.02	< 0.02	< 0.5
21: PG03771	< 0.05	< 0.05	< 0.02	0.17	0.03	< 0.02	< 0.02	< 0.5
22: PG03772	< 0.05	< 0.05	< 0.02	0.19	< 0.02	< 0.02	< 0.02	< 0.5
23: PG03773	< 0.05	< 0.05	< 0.02	0.17	< 0.02	< 0.02	< 0.02	< 0.5
24: PG03774	< 0.05	< 0.05	< 0.02	0.25	< 0.02	< 0.02	< 0.02	< 0.5
Standard 25: PG03775	1.77	0.41	0.05	10.4	0.05	0.17	< 0.02	< 0.5
26: PG03776	0.54	0.21	0.10	7.42	0.10	0.02	0.03	0.9

OnLine LIMS

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LR Report : CA09869-MAR05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
27: PG03777	< 0.05	0.06	< 0.02	0.08	< 0.02	< 0.02	< 0.02	< 0.5
28: PG03778	0.12	0.07	< 0.02	0.47	< 0.02	< 0.02	< 0.02	0.7
29: PG03779	6.72	1.87	0.20	30.0	0.09	0.16	0.05	2.5
30: PG03780	0.16	0.16	0.02	0.76	0.02	< 0.02	0.03	1.0
31: PG03781	0.11	< 0.05	< 0.02	0.39	< 0.02	< 0.02	< 0.02	< 0.5
32: PG03782	1.60	0.99	0.08	8.55	0.08	0.04	0.02	1.8
33: PG03783	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
34: PG03784	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
35: PG03785	2.47	0.94	0.08	12.7	0.02	0.04	0.03	1.0
36: PG03786	0.08	< 0.05	< 0.02	0.33	< 0.02	< 0.02	< 0.02	< 0.5
37: PG03787	< 0.05	0.07	< 0.02	0.17	< 0.02	< 0.02	< 0.02	< 0.5
38: PG03788	0.14	0.11	< 0.02	0.52	0.02	< 0.02	< 0.02	< 0.5
39: PG03789	3.79	0.60	0.17	20.2	0.11	0.07	0.03	0.8
40: PG03790	0.73	0.35	0.03	4.13	< 0.02	0.02	< 0.02	< 0.5
41: PG03791	1.36	0.63	0.06	5.94	0.05	0.04	0.05	0.8
42: PG03792	0.76	0.60	< 0.02	3.47	< 0.02	0.02	0.02	1.0
43: PG03793	0.14	0.23	< 0.02	0.58	< 0.02	0.02	0.02	< 0.5
44: PG03794	1.41	1.25	0.06	8.12	0.02	0.04	0.02	1.6
45: PG03795	< 0.05	< 0.05	< 0.02	0.22	0.02	0.02	< 0.02	< 0.5
46-DUP: PG03770	< 0.05	< 0.05	< 0.02	0.14	< 0.02	< 0.02	< 0.02	< 0.5
47-DUP: PG03790	0.72	0.33	0.04	4.13	0.03	0.02	< 0.02	< 0.5
48-STD: PTC-1A XRF	10.4	13.7	0.31	---	---	---	---	---
49-STD: SU1a XRF	1.24	1.00	0.05	---	---	---	---	---
50-STD: Ni1 XRF	0.98	0.31	0.02	---	---	---	---	---
51-STD: Ni2 XRF	---	---	---	---	---	---	---	---
52-STD: nbm-1	---	---	---	0.31	---	---	---	---
53-STD: RTS-1	---	---	---	1.72	---	---	---	---
54-STD: RTS-2	---	---	---	18.6	---	---	---	---
55-STD: CZN-3	---	---	---	31.6	---	---	---	41.2
56-STD: WMS_1	---	---	---	---	1.86	1.20	0.29	---

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ES2005-22

Falconbridge Limited
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Saturday, April 16, 2005

Date Rec. : 01 April 2005
LR Report : **CA09400-APR05**
Project : 2500698
Client Ref : PO# 300

CERTIFICATE OF ANALYSIS

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 03796	< 0.05	< 0.05	< 0.02	< 0.01	0.02	0.02	< 0.02	< 0.5
2: PG 03797	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
3: PG 03798	7.55	1.38	0.22	33.5	0.05	0.07	0.02	1.0
4: PG 03799	0.25	0.49	< 0.02	1.42	0.02	< 0.02	< 0.02	< 0.5
standard — 5: PG 03800	1.78	0.39	0.07	10.4	0.08	0.15	< 0.02	< 0.5
6: PG 03801	3.72	2.64	0.12	22.7	0.14	0.05	0.03	2.2
7: PG 03802	3.34	2.43	0.11	6.14	0.06	0.07	0.03	1.8
8: PG 03803	4.07	1.54	0.13	18.4	0.02	0.02	< 0.02	1.2
9: PG 03804	4.16	1.39	0.12	18.7	0.07	0.09	0.03	1.0
10: PG 03805	0.34	0.29	< 0.02	1.59	< 0.02	< 0.02	< 0.02	< 0.5
11: PG 03806	0.13	0.10	< 0.02	0.45	0.02	< 0.02	< 0.02	< 0.5
12: PG 03807	0.10	0.06	< 0.02	0.36	< 0.02	< 0.02	< 0.02	10.5
13-STD: PTC-1A XRF	10.3	13.6	0.31	---	---	---	---	---
14-STD: SU1a XRF	---	---	---	---	---	---	---	---
15-STD: Ni1 XRF	---	---	---	---	---	---	---	---
16-STD: Ni2 XRF	---	---	---	---	---	---	---	---
17-STD: nbm-1	---	---	---	0.31	---	---	---	---
18-STD: RTS-1	---	---	---	1.66	---	---	---	---
19-STD: RTS-2	---	---	---	18.4	---	---	---	---
20-STD: CZN-3	---	---	---	30.6	---	---	---	42.4
21-STD: WMS_1	---	---	---	---	1.80	1.22	0.22	---

OnLine LIMS

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LR Report : **CA09400-APR05**

N. Mozola

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OnLine LIMS

ES2005-23
ES2005-24
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ES2005-33

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Wednesday, May 25, 2005

Date Rec. : 09 May 2005
LR Report : **CA09447-MAY05**
Project : 2501040
Client Ref : PO#300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG03808	0.17	0.08	< 0.02	0.91	0.02	< 0.02	< 0.02	< 0.5
2: PG03809	2.28	0.86	0.06	9.39	0.04	0.05	< 0.02	1.4
3: PG03810	< 0.05	< 0.05	< 0.02	0.14	< 0.02	< 0.02	< 0.02	< 0.5
4: PG03811	0.07	< 0.05	< 0.02	0.19	< 0.02	< 0.02	< 0.02	< 0.5
5: PG03812	< 0.05	< 0.05	< 0.02	0.38	< 0.02	< 0.02	< 0.02	< 0.5
6: PG03813	0.23	0.08	0.06	9.70	0.02	< 0.02	< 0.02	< 0.5
7: PG03814	< 0.05	< 0.05	< 0.02	0.15	< 0.02	< 0.02	< 0.02	< 0.5
8: PG03815	< 0.05	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
9: PG03816	< 0.05	0.11	< 0.02	0.57	< 0.02	< 0.02	< 0.02	< 0.5
10: PG03817	6.35	1.82	0.17	27.1	0.07	0.08	0.02	1.5
11: PG03818	0.41	0.27	0.03	3.00	0.02	0.02	< 0.02	< 0.5
12: PG03819	1.97	0.70	0.14	15.8	0.04	0.02	0.02	0.8
13: PG03820	0.12	0.13	< 0.02	0.54	< 0.02	< 0.02	< 0.02	< 0.5
14: PG03821	0.09	0.14	< 0.02	0.47	0.03	< 0.02	< 0.02	0.6
15: PG03822	0.16	0.17	< 0.02	0.75	< 0.02	< 0.02	< 0.02	< 0.5
16: PG03823	2.11	0.57	0.07	9.81	0.05	0.04	< 0.02	< 0.5
17: PG03824	0.08	0.08	< 0.02	0.44	< 0.02	< 0.02	< 0.02	< 0.5
standard — 18: PG03825	1.81	0.40	0.04	10.0	0.06	0.12	< 0.02	< 0.5
19: PG03826	1.33	0.64	0.10	12.7	0.03	0.02	0.02	< 0.5
20: PG03827	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
21: PG03828	< 0.05	< 0.05	< 0.02	0.16	< 0.02	< 0.02	< 0.02	< 0.5
22: PG03829	< 0.05	< 0.05	< 0.02	0.11	< 0.02	< 0.02	< 0.02	< 0.5
23: PG03830	< 0.05	< 0.05	< 0.02	0.06	< 0.02	< 0.02	< 0.02	< 0.5
24: PG03831	3.32	1.33	0.06	12.4	0.04	0.11	0.02	1.1
25: PG03832	< 0.05	0.05	< 0.02	0.28	< 0.02	< 0.02	< 0.02	< 0.5
26: PG03833	2.38	0.20	0.07	13.9	0.06	0.03	0.03	< 0.5

OnLine LIMS

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LR Report : CA09447-MAY05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
27: PG03834	0.11	< 0.05	< 0.02	0.59	< 0.02	< 0.02	< 0.02	< 0.5
28: PG03835	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
29: PG03836	6.64	0.33	0.20	31.3	0.15	0.12	0.02	< 0.5
30: PG03837	0.38	0.40	0.03	2.32	0.04	0.02	< 0.02	< 0.5
31: PG03838	0.06	0.06	< 0.02	0.19	0.02	< 0.02	0.03	< 0.5
32: PG03839	< 0.05	< 0.05	< 0.02	0.17	0.02	< 0.02	< 0.02	< 0.5
33: PG03840	2.13	1.51	0.08	11.1	0.06	0.07	0.04	1.4
34: PG03841	< 0.05	0.06	< 0.02	0.16	< 0.02	< 0.02	< 0.02	< 0.5
35: PG03842	0.07	0.11	< 0.02	0.48	0.02	< 0.02	< 0.02	< 0.5
36: PG03843	< 0.05	< 0.05	< 0.02	0.10	< 0.02	< 0.02	< 0.02	< 0.5
37: PG03844	1.20	0.88	0.04	6.88	0.03	0.03	0.03	1.1
38: PG03845	0.05	0.06	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
39: PG03846	< 0.05	< 0.05	< 0.02	0.18	< 0.02	< 0.02	< 0.02	< 0.5
40: PG03847	< 0.05	< 0.05	< 0.02	0.11	< 0.02	< 0.02	< 0.02	< 0.5
41: PG03848	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	0.04	< 0.5
42: PG03849	< 0.05	< 0.05	< 0.02	0.04	0.02	< 0.02	< 0.02	< 0.5
standard — 43: PG03850	1.81	0.42	0.05	10.0	0.07	0.15	< 0.02	< 0.5
44: PG03851	2.36	1.01	0.08	10.4	0.05	0.05	0.03	0.7
45: PG03852	0.16	0.07	< 0.02	1.31	< 0.02	< 0.02	< 0.02	< 0.5
46: PG03853	0.24	0.73	< 0.02	1.68	< 0.02	< 0.02	< 0.02	0.6
47: PG03854	0.42	0.16	< 0.02	1.85	0.02	< 0.02	< 0.02	< 0.5
48: PG03855	0.07	0.21	< 0.02	0.28	0.02	< 0.02	< 0.02	< 0.5
49: PG03856	0.44	< 0.05	< 0.02	1.47	0.03	< 0.02	< 0.02	< 0.5
50: PG03857	< 0.05	< 0.05	< 0.02	0.01	< 0.02	< 0.02	< 0.02	< 0.5
51: PG03858	< 0.05	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
52: PG03859	< 0.05	< 0.05	< 0.02	0.02	0.02	0.02	< 0.02	< 0.5
53: PG03860	1.65	0.78	0.04	7.01	0.05	0.07	0.02	0.8
54: PG03861	0.08	0.07	< 0.02	0.40	< 0.02	< 0.02	< 0.02	< 0.5
55: PG03862	< 0.05	< 0.05	< 0.02	0.19	< 0.02	< 0.02	< 0.02	< 0.5
56: PG03863	2.97	2.16	0.09	14.4	0.08	0.07	0.02	2.2
57: PG03864	0.06	< 0.05	< 0.02	0.21	< 0.02	< 0.02	< 0.02	< 0.5
58: PG03865	1.10	0.53	0.03	5.05	0.03	0.03	0.04	< 0.5
59: PG03866	< 0.05	< 0.05	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.5
60: PG03867	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
61: PG03868	0.94	0.44	0.07	9.66	0.03	0.03	0.03	< 0.5
62: PG03869	0.05	< 0.05	< 0.02	0.40	< 0.02	< 0.02	< 0.02	< 0.5
63: PG03870	< 0.05	< 0.05	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.5
64: PG03871	< 0.05	< 0.05	< 0.02	< 0.01	< 0.02	< 0.02	< 0.02	< 0.5
65: PG03872	0.61	0.21	0.02	2.33	< 0.02	0.02	< 0.02	< 0.5
66: PG03873	0.14	0.15	< 0.02	0.64	< 0.02	< 0.02	< 0.02	< 0.5
67: PG03874	1.43	1.52	0.05	7.83	0.03	< 0.02	< 0.02	2.5
standard — 68: PG03875	1.77	0.36	0.05	10.2	0.06	0.15	< 0.02	< 0.5

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SGS Lakefield Research Limited
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LR Report : CA09447-MAY05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
69: PG03876	0.07	< 0.05	< 0.02	0.29	< 0.02	< 0.02	< 0.02	< 0.5
70: PG03877	2.17	0.51	0.06	9.10	0.04	0.04	< 0.02	< 0.5
71: PG03878	< 0.05	< 0.05	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.5
72: PG03879	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
73: PG03880	0.72	0.30	0.04	4.89	0.07	0.02	< 0.02	< 0.5
74: PG03881	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
75: PG03882	< 0.05	< 0.05	< 0.02	0.01	< 0.02	< 0.02	< 0.02	< 0.5
76: PG03883	1.68	0.32	0.07	9.17	0.03	0.03	< 0.02	< 0.5
77: PG03884	0.12	< 0.05	< 0.02	0.53	< 0.02	< 0.02	< 0.02	< 0.5
78: PG03885	< 0.05	< 0.05	< 0.02	0.20	< 0.02	< 0.02	< 0.02	< 0.5
79: PG03886	0.21	0.15	< 0.02	0.69	< 0.02	< 0.02	< 0.02	< 0.5
80: PG03887	1.81	0.54	0.05	6.30	0.02	0.03	< 0.02	1.4
81: PG03888	< 0.05	< 0.05	< 0.02	0.39	< 0.02	< 0.02	< 0.02	< 0.5
82: PG03889	0.07	< 0.05	< 0.02	1.01	< 0.02	< 0.02	< 0.02	< 0.5
83: PG03890	1.98	0.23	0.08	11.0	< 0.02	0.04	< 0.02	< 0.5
84: PG03891	0.11	0.10	< 0.02	0.37	< 0.02	< 0.02	0.03	0.6
85: PG03892	< 0.05	0.06	< 0.02	0.18	< 0.02	< 0.02	< 0.02	< 0.5
86: PG03893	< 0.05	< 0.05	< 0.02	0.13	< 0.02	< 0.02	< 0.02	< 0.5
87: PG03894	0.23	0.23	< 0.02	1.02	< 0.02	< 0.02	< 0.02	0.7
88: PG03895	< 0.05	< 0.05	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.5
89: PG03896	< 0.05	< 0.05	< 0.02	0.17	< 0.02	< 0.02	< 0.02	< 0.5
90: PG03897	< 0.05	< 0.05	< 0.02	0.22	< 0.02	< 0.02	< 0.02	< 0.5
91: PG03898	< 0.05	0.09	< 0.02	0.30	< 0.02	< 0.02	< 0.02	< 0.5
92: PG03899	< 0.05	0.08	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.5
standard — 93: PG03900	1.77	0.38	0.04	9.96	0.07	0.15	< 0.02	< 0.5
94: PG03901	0.66	0.34	0.02	3.68	0.03	0.02	< 0.02	0.6
95: PG03902	0.75	0.11	0.03	3.61	0.02	0.02	< 0.02	< 0.5
96: PG03903	0.06	< 0.05	< 0.02	0.24	< 0.02	< 0.02	< 0.02	< 0.5
97: PG03904	0.60	0.21	< 0.02	2.45	< 0.02	< 0.02	< 0.02	0.7
98: PG03905	< 0.05	< 0.05	< 0.02	0.05	0.02	0.02	< 0.02	< 0.5
99: PG03906	0.06	0.06	< 0.02	0.29	< 0.02	< 0.02	< 0.02	< 0.5
100: PG03907	1.63	0.40	0.04	6.54	0.03	0.04	< 0.02	0.7
101: PG03908	< 0.05	0.12	< 0.02	0.20	< 0.02	0.02	< 0.02	< 0.5
102: PG03909	3.68	0.58	0.11	18.6	0.07	0.09	< 0.02	< 0.5
103: PG03910	0.39	0.34	0.03	2.58	< 0.02	< 0.02	< 0.02	< 0.5
104: PG03911	< 0.05	< 0.05	< 0.02	0.22	< 0.02	< 0.02	< 0.02	< 0.5
105: PG03912	0.09	0.05	< 0.02	0.54	< 0.02	< 0.02	< 0.02	< 0.5
106: PG03913	< 0.05	0.08	< 0.02	0.08	< 0.02	< 0.02	< 0.02	< 0.5
107: PG03914	0.06	0.06	< 0.02	0.16	< 0.02	< 0.02	< 0.02	< 0.5
108: PG03915	0.23	0.10	< 0.02	1.22	< 0.02	< 0.02	< 0.02	< 0.5
109: PG03916	< 0.05	< 0.05	< 0.02	0.01	< 0.02	< 0.02	< 0.02	< 0.5
110-DUP: PG03827	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5

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LR Report : CA09447-MAY05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
111-DUP: PG03847	< 0.05	< 0.05	< 0.02	0.11	< 0.02	< 0.02	< 0.02	< 0.5
112-DUP: PG03867	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
113-DUP: PG03887	1.80	0.60	0.06	6.49	< 0.02	0.03	< 0.02	1.3
114-DUP: PG03907	1.57	0.41	0.03	6.40	< 0.02	0.03	< 0.02	0.6
115-STD: PTC-1A XRF	10.3	13.8	0.29	---	---	---	---	---
116-STD: SU1a XRF	1.25	0.98	0.04	---	---	---	---	---
117-STD: Ni1 XRF	1.00	0.30	0.04	---	---	---	---	---
118-STD: Ni2 XRF	1.92	0.74	0.04	---	---	---	---	---
119-STD: nbm-1	---	---	---	0.30	---	---	---	---
120-STD: RTS-1	---	---	---	1.66	---	---	---	---
121-STD: RTS-2	---	---	---	19.0	---	---	---	---
122-STD: CZN-3	---	---	---	31.6	---	---	---	43.7
123-STD: WMS_1	---	---	---	---	1.93	1.25	0.29	---

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Project Coordinator,
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ES2005 -36

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Falconbridge Limited
Attn : Patti Tirschmann

Queen's Quay Terminal, 207 Queen's Quay West, Suite 800
Toronto, Ontario, M5J 1A7

Phone: 416 982 7455
Fax:416 982 7420

Friday, August 26, 2005

Date Rec. : 05 August 2005
LR Report : **CA09450-AUG05**
Client Ref : PO#300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 03917	0.13	0.10	< 0.02	1.09	< 0.02	< 0.02	< 0.02	< 0.5
2: PG 03918	1.25	0.27	0.07	9.38	0.03	0.17	0.03	0.6
3: PG 03919	2.44	0.33	0.12	22.0	0.48	0.19	0.02	0.6
4: PG 03920	0.08	< 0.05	< 0.02	0.20	0.03	0.03	0.04	< 0.5
5: PG 03921	0.20	0.05	< 0.02	2.16	0.03	0.02	0.09	< 0.5
6: PG 03922	0.16	< 0.05	< 0.02	1.55	< 0.02	< 0.02	< 0.02	< 0.5
7: PG 03923	0.15	< 0.05	0.03	0.96	< 0.02	< 0.02	< 0.02	< 0.5
8: PG 03924	0.07	< 0.05	< 0.02	0.69	< 0.02	< 0.02	< 0.02	< 0.5
standard — 9: PG 03925	1.68	0.35	0.06	10.5	0.03	0.15	< 0.02	< 0.5
10: PG 03926	0.09	< 0.05	< 0.02	5.52	< 0.02	< 0.02	< 0.02	< 0.5
11: PG 03927	< 0.05	< 0.05	< 0.02	2.26	< 0.02	< 0.02	< 0.02	< 0.5
12: PG 03928	0.16	0.12	0.04	9.63	< 0.02	0.02	0.02	< 0.5
13: PG 03929	0.12	0.12	0.03	7.74	< 0.02	0.02	< 0.02	< 0.5
14: PG 03930	0.06	0.07	< 0.02	4.21	0.07	< 0.02	0.03	< 0.5
15: PG 03931	< 0.05	< 0.05	< 0.02	2.09	< 0.02	< 0.02	< 0.02	< 0.5
16: PG 03932	< 0.05	< 0.05	< 0.02	0.98	< 0.02	< 0.02	< 0.02	< 0.5
17: PG 03933	< 0.05	< 0.05	< 0.02	2.51	< 0.02	< 0.02	< 0.02	< 0.5
18: PG 03934	< 0.05	< 0.05	< 0.02	1.17	< 0.02	< 0.02	< 0.02	< 0.5
19: PG 03935	< 0.05	< 0.05	< 0.02	0.99	< 0.02	< 0.02	< 0.02	< 0.5
20: PG 03936	0.10	0.13	0.03	8.56	0.02	< 0.02	0.02	< 0.5
21: PG 03937	< 0.05	0.06	< 0.02	2.93	< 0.02	< 0.02	< 0.02	< 0.5
22: PG 03938	< 0.05	< 0.05	< 0.02	2.63	0.02	< 0.02	< 0.02	< 0.5
23: PG 03939	0.11	0.11	0.03	9.57	< 0.02	0.02	< 0.02	< 0.5
24: PG 03940	< 0.05	< 0.05	< 0.02	1.06	< 0.02	< 0.02	< 0.02	< 0.5
25: PG 03941	< 0.05	< 0.05	< 0.02	0.52	< 0.02	< 0.02	< 0.02	< 0.5
26: PG 03942	0.33	0.14	0.07	14.2	0.04	0.03	0.02	< 0.5
27: PG 03943	< 0.05	< 0.05	< 0.02	0.24	< 0.02	< 0.02	< 0.02	< 0.5

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LR Report : CA09450-AUG05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
28: PG 03944	< 0.05	< 0.05	< 0.02	0.32	< 0.02	< 0.02	< 0.02	< 0.5
29: PG 03945	0.06	0.06	0.02	3.95	< 0.02	< 0.02	< 0.02	< 0.5
30: PG 03946	< 0.05	< 0.05	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.5
31-DUP: PG 03936	0.11	0.11	0.04	8.62	< 0.02	< 0.02	< 0.02	< 0.5
32-REP: PG 03917	0.14	0.10	< 0.02	1.06	< 0.02	0.02	< 0.02	< 0.5
33-STD: PTC-1A XRF	9.90	13.5	0.29	30.4	---	---	---	---
34-STD: SU1a XRF	1.23	1.01	0.03	9.22	---	---	---	---
37-STD: nbm-1	---	---	---	0.33	---	---	---	---
38-STD: RTS-1	---	---	---	1.74	---	---	---	---
40-STD: CZN-3	---	---	---	31.6	---	---	---	43.1
41-STD: WMS_1	---	---	---	---	1.84	1.10	0.41	---

Debbie Waldon
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OnLine LIMS

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ES2005-37
ES2005-38
ES2005-39
ES2005-40

Falconbridge Limited
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Wednesday, September 07, 2005

Date Rec. : 16 August 2005
LR Report : **CA09841-AUG05**
Client Ref : PO#300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG03947	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	0.02	< 0.5
2: PG03948	0.06	< 0.05	< 0.02	2.64	< 0.02	< 0.02	0.02	< 0.5
3: PG03949	< 0.05	< 0.05	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.5
standard 4: PG03950	0.76	0.36	0.02	5.06	0.12	0.09	0.03	1.8
5: PG03951	0.05	< 0.05	< 0.02	1.80	< 0.02	< 0.02	< 0.02	< 0.5
6: PG03952	< 0.05	< 0.05	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.5
7: PG03953	< 0.05	< 0.05	< 0.02	0.40	< 0.02	< 0.02	< 0.02	< 0.5
8: PG03954	< 0.05	< 0.05	< 0.02	0.08	< 0.02	< 0.02	< 0.02	< 0.5
9: PG03955	< 0.05	< 0.05	< 0.02	0.06	< 0.02	< 0.02	< 0.02	< 0.5
10: PG03956	< 0.05	< 0.05	< 0.02	0.21	< 0.02	< 0.02	< 0.02	< 0.5
11: PG03957	< 0.05	< 0.05	< 0.02	0.70	< 0.02	0.45	0.02	< 0.5
12: PG03958	< 0.05	< 0.05	< 0.02	0.06	< 0.02	< 0.02	< 0.02	< 0.5
13: PG03959	0.90	0.28	0.06	13.2	0.07	0.03	< 0.02	< 0.5
14: PG03960	1.64	0.63	0.12	23.4	0.13	0.05	0.04	< 0.5
15: PG03961	0.60	0.25	0.05	9.23	0.16	0.26	0.05	< 0.5
16: PG03962	< 0.05	< 0.05	< 0.02	0.28	< 0.02	< 0.02	0.02	< 0.5
17: PG03963	0.35	0.22	0.11	13.2	0.12	< 0.02	0.05	< 0.5
18: PG03964	2.48	0.98	0.16	33.3	0.32	0.07	0.05	0.6
19: PG03965	< 0.05	< 0.05	< 0.02	0.66	< 0.02	< 0.02	< 0.02	< 0.5
20: PG03966	0.38	0.12	0.07	9.97	0.05	< 0.02	0.04	< 0.5
21: PG03967	< 0.05	< 0.05	< 0.02	0.19	< 0.02	< 0.02	0.02	< 0.5
22: PG03968	< 0.05	< 0.05	< 0.02	0.08	< 0.02	< 0.02	< 0.02	< 0.5
23: PG03969	0.16	0.15	0.02	2.14	0.03	< 0.02	0.08	< 0.5
24: PG03970	< 0.05	< 0.05	< 0.02	0.21	< 0.02	0.02	< 0.02	< 0.5
25: PG03971	< 0.05	< 0.05	< 0.02	0.29	< 0.02	< 0.02	< 0.02	< 0.5
26: PG03972	< 0.05	< 0.05	< 0.02	0.01	< 0.02	< 0.02	< 0.02	< 0.5
27: PG03973	< 0.05	< 0.05	< 0.02	0.55	< 0.02	< 0.02	< 0.02	< 0.5

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LR Report : CA09841-AUG05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
28: PG03974	< 0.05	< 0.05	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.5
standard — 29: PG03975	0.79	0.36	0.03	4.87	0.12	0.09	0.05	1.8
30: PG03976	0.25	0.06	< 0.02	2.15	< 0.02	< 0.02	< 0.02	< 0.5
31: PG03977	0.33	0.06	0.02	2.99	< 0.02	< 0.02	< 0.02	< 0.5
32: PG03978	0.40	0.20	0.03	3.31	< 0.02	< 0.02	< 0.02	< 0.5
33: PG03979	0.27	0.06	0.04	2.04	0.02	< 0.02	< 0.02	< 0.5
34: PG03980	0.29	0.08	0.02	2.11	< 0.02	< 0.02	< 0.02	< 0.5
35: PG03981	0.43	0.21	0.03	4.06	< 0.02	< 0.02	0.03	0.7
36: PG03982	0.25	0.16	0.03	2.25	< 0.02	< 0.02	0.04	0.6
37: PG03983	0.23	0.06	< 0.02	1.80	< 0.02	< 0.02	< 0.02	< 0.5
38: PG03984	0.28	< 0.05	0.03	2.57	< 0.02	< 0.02	< 0.02	< 0.5
39: PG03985	0.24	0.08	< 0.02	2.08	< 0.02	< 0.02	< 0.02	< 0.5
40: PG03986	0.09	0.13	< 0.02	0.96	< 0.02	< 0.02	0.02	1.0
41: PG03987	0.33	0.19	0.03	2.52	< 0.02	< 0.02	0.03	0.8
42: PG03988	0.45	0.11	0.04	3.26	< 0.02	< 0.02	0.02	< 0.5
43: PG03989	0.51	0.13	0.04	3.73	< 0.02	0.02	0.02	0.5
44: PG03990	0.83	0.15	0.05	6.42	< 0.02	0.02	0.02	< 0.5
45: PG03991	0.65	0.17	0.05	5.00	< 0.02	0.02	0.02	< 0.5
46: PG03992	0.38	0.29	0.03	3.34	0.02	< 0.02	< 0.02	0.9
47: PG03993	0.39	0.20	0.02	3.30	0.02	0.02	0.02	< 0.5
48: PG03994	0.31	0.25	< 0.02	2.34	< 0.02	< 0.02	0.02	< 0.5
49: PG03995	0.28	0.13	< 0.02	1.94	< 0.02	< 0.02	< 0.02	< 0.5
50: PG03996	0.28	0.10	< 0.02	1.88	< 0.02	< 0.02	< 0.02	< 0.5
51: PG03997	0.28	0.07	0.02	1.84	< 0.02	< 0.02	< 0.02	< 0.5
52: PG03998	0.27	0.06	< 0.02	1.56	< 0.02	< 0.02	< 0.02	< 0.5
53: PG03999	0.44	0.14	0.04	2.70	< 0.02	< 0.02	< 0.02	< 0.5
standard — 54: PG04000	1.70	0.39	0.05	10.1	0.07	0.15	< 0.02	< 0.5
55: PG01351	0.32	0.13	< 0.02	1.90	< 0.02	< 0.02	< 0.02	< 0.5
56: PG01352	0.35	0.17	0.03	2.23	< 0.02	< 0.02	< 0.02	< 0.5
57: PG01353	0.58	0.19	0.05	4.12	< 0.02	0.02	< 0.02	< 0.5
58: PG01354	0.37	0.15	0.03	2.52	< 0.02	< 0.02	< 0.02	< 0.5
59: PG01355	0.12	< 0.05	0.03	0.53	< 0.02	< 0.02	< 0.02	< 0.5
60: PG01356	0.07	0.05	< 0.02	0.23	< 0.02	< 0.02	< 0.02	< 0.5
61: PG01357	0.07	< 0.05	0.02	0.35	< 0.02	< 0.02	< 0.02	< 0.5
62: PG01358	0.11	< 0.05	0.03	0.71	< 0.02	< 0.02	< 0.02	< 0.5
63: PG01359	0.08	< 0.05	< 0.02	0.29	< 0.02	< 0.02	< 0.02	< 0.5
64: PG01360	0.07	< 0.05	< 0.02	0.36	< 0.02	< 0.02	0.02	< 0.5
65: PG01361	0.07	< 0.05	0.03	0.46	< 0.02	< 0.02	< 0.02	< 0.5
66: PG01362	0.11	< 0.05	0.03	0.62	< 0.02	< 0.02	< 0.02	< 0.5
67: PG01363	0.17	< 0.05	< 0.02	1.35	< 0.02	< 0.02	< 0.02	< 0.5
68: PG01364	0.10	< 0.05	0.04	0.64	< 0.02	< 0.02	< 0.02	< 0.5
69: PG01365	< 0.05	< 0.05	< 0.02	0.65	< 0.02	< 0.02	< 0.02	< 0.5

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LR Report : CA09841-AUG05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
70: PG01366	< 0.05	< 0.05	< 0.02	1.62	< 0.02	< 0.02	< 0.02	< 0.5
71: PG01367	0.06	< 0.05	< 0.02	5.97	< 0.02	< 0.02	< 0.02	< 0.5
72: PG01368	0.06	< 0.05	< 0.02	4.59	< 0.02	< 0.02	< 0.02	< 0.5
73: PG01369	0.07	0.06	< 0.02	6.52	< 0.02	< 0.02	< 0.02	< 0.5
74: PG01370	0.07	< 0.05	< 0.02	6.45	< 0.02	< 0.02	< 0.02	< 0.5
75: PG01371	< 0.05	< 0.05	< 0.02	3.50	< 0.02	< 0.02	< 0.02	< 0.5
76: PG01372	< 0.05	< 0.05	< 0.02	1.23	< 0.02	< 0.02	< 0.02	< 0.5
77: PG01373	0.05	< 0.05	< 0.02	0.24	< 0.02	< 0.02	< 0.02	< 0.5
78: PG01374	0.06	< 0.05	< 0.02	0.39	< 0.02	< 0.02	< 0.02	< 0.5
79: PG01375	0.06	< 0.05	< 0.02	0.55	< 0.02	< 0.02	< 0.02	< 0.5
80: PG01376	0.05	< 0.05	< 0.02	0.68	< 0.02	< 0.02	< 0.02	< 0.5
81: PG01377	0.06	0.07	< 0.02	3.55	< 0.02	< 0.02	< 0.02	< 0.5
82: PG01378	< 0.05	< 0.05	< 0.02	2.62	< 0.02	< 0.02	< 0.02	< 0.5
83: PG01379	0.06	0.09	< 0.02	5.78	0.02	< 0.02	< 0.02	< 0.5
84: PG01380	< 0.05	0.06	< 0.02	4.78	0.02	< 0.02	< 0.02	< 0.5
85: PG01381	0.09	0.07	< 0.02	9.19	< 0.02	< 0.02	0.02	< 0.5
86: PG01382	0.08	0.07	< 0.02	7.40	< 0.02	< 0.02	< 0.02	< 0.5
87: PG01383	< 0.05	< 0.05	< 0.02	4.84	0.02	< 0.02	0.02	< 0.5
88: PG01384	0.06	0.07	< 0.02	6.30	< 0.02	< 0.02	< 0.02	< 0.5
89: PG01385	< 0.05	< 0.05	< 0.02	0.44	< 0.02	< 0.02	< 0.02	< 0.5
90: PG01386	0.15	0.11	< 0.02	3.55	< 0.02	< 0.02	< 0.02	< 0.5
91: PG01387	0.15	0.06	0.02	3.76	< 0.02	< 0.02	0.02	< 0.5
92: PG01388	0.44	0.26	0.06	11.6	0.05	0.02	0.02	< 0.5
93: PG01389	0.07	< 0.05	< 0.02	1.89	< 0.02	< 0.02	< 0.02	< 0.5
94: PG01390	0.56	0.15	0.09	14.6	0.07	0.03	0.02	< 0.5
95: PG01391	0.14	0.11	< 0.02	2.86	< 0.02	< 0.02	< 0.02	< 0.5
96: PG01392	< 0.05	< 0.05	< 0.02	0.39	< 0.02	< 0.02	< 0.02	< 0.5
97-DUP: PG03966	0.38	0.12	0.08	10.1	0.05	< 0.02	0.05	< 0.5
98-DUP: PG03986	0.09	0.11	< 0.02	0.93	< 0.02	< 0.02	0.03	1.0
99-DUP: PG01356	0.06	< 0.05	< 0.02	0.22	< 0.02	< 0.02	< 0.02	< 0.5
100-DUP: PG01376	0.06	< 0.05	< 0.02	0.71	< 0.02	< 0.02	< 0.02	< 0.5
101-REP: PG03997	0.27	0.06	0.02	1.93	< 0.02	< 0.02	< 0.02	< 0.5
102-STD: PTC-1A XRF	9.93	13.5	0.29	31.5	---	---	---	---
103-STD: SU1a XRF	1.23	0.97	0.04	9.18	---	---	---	---
104-STD: Ni1 XRF	0.99	0.30	0.02	---	---	---	---	---
105-STD: Ni2 XRF	1.92	0.71	0.05	---	---	---	---	---
106-STD: nbm-1	---	---	---	0.31	---	---	---	---
107-STD: RTS-1	---	---	---	1.72	---	---	---	---
108-STD: RTS-2	---	---	---	19.2	---	---	---	---
109-STD: CZN-3	---	---	---	31.7	---	---	---	44.5
110-STD: WMS_1	---	---	---	---	1.82	1.15	0.31	---

OnLine LIMS

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LR Report : CA09841-AUG05

Debbie Waldon

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OnLine LIMS

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ES2005_41 (partial)

Falconbridge Limited
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Toronto, Ontario, M5J 1A7

Phone: 416 982 7455
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Friday, September 02, 2005

Date Rec. : 18 August 2005
LR Report : **CA09872-AUG05**
Client Ref : PO#300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG01393	0.11	< 0.05	< 0.02	0.77	< 0.02	< 0.02	< 0.02	< 0.5
2: PG01394	0.18	< 0.05	< 0.02	1.59	< 0.02	< 0.02	< 0.02	< 0.5
3: PG01395	0.14	< 0.05	0.02	1.06	< 0.02	< 0.02	< 0.02	< 0.5
4: PG01396	0.07	< 0.05	< 0.02	0.47	< 0.02	< 0.02	< 0.02	< 0.5
5: PG01397	0.06	< 0.05	< 0.02	0.27	< 0.02	< 0.02	< 0.02	< 0.5
6: PG01398	< 0.05	< 0.05	< 0.02	0.18	< 0.02	< 0.02	< 0.02	< 0.5
7: PG01399	0.15	< 0.05	< 0.02	1.14	< 0.02	< 0.02	< 0.02	< 0.5
standard — 8: PG01400	0.79	0.34	0.04	4.78	0.14	0.10	0.04	1.6
9-STD: PTC-1A XRF	10.1	13.7	0.29	32.4	---	---	---	---
10-STD: SU1a XRF	---	---	---	9.00	---	---	---	---
13-STD: nbm-1	---	---	---	0.32	---	---	---	---
14-STD: RTS-1	---	---	---	1.72	---	---	---	---
15-STD: RTS-2	---	---	---	19.2	---	---	---	---
16-STD: CZN-3	---	---	---	31.9	---	---	---	43.1
17-STD: WMS_1	---	---	---	---	1.81	1.18	0.25	---

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ES2005-41 (partial)
ES2005-42

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Wednesday, September 07, 2005

Date Rec. : 18 August 2005
LR Report : **CA09873-AUG05**
Client Ref : PO#300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 00251	0.08	< 0.05	< 0.02	0.53	< 0.02	< 0.02	0.02	< 0.5
2: PG 00252	0.08	< 0.05	< 0.02	0.47	< 0.02	< 0.02	0.02	< 0.5
3: PG 00253	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
4: PG 00254	0.07	< 0.05	< 0.02	0.48	< 0.02	< 0.02	< 0.02	< 0.5
5: PG 00255	0.24	0.09	< 0.02	1.94	< 0.02	< 0.02	< 0.02	< 0.5
6: PG 00256	0.09	< 0.05	< 0.02	0.59	< 0.02	< 0.02	< 0.02	< 0.5
7: PG 00257	0.13	0.05	0.02	1.03	< 0.02	< 0.02	< 0.02	< 0.5
8: PG 00258	0.13	0.06	0.02	1.15	< 0.02	< 0.02	0.02	< 0.5
9: PG 00259	0.18	< 0.05	< 0.02	1.26	< 0.02	< 0.02	< 0.02	< 0.5
10: PG 00260	0.15	< 0.05	< 0.02	1.00	< 0.02	< 0.02	0.02	< 0.5
11: PG 00261	0.12	< 0.05	< 0.02	0.76	< 0.02	< 0.02	< 0.02	< 0.5
12: PG 00262	< 0.05	< 0.05	< 0.02	0.33	< 0.02	< 0.02	< 0.02	< 0.5
13: PG 00263	0.14	0.08	0.03	0.98	< 0.02	< 0.02	< 0.02	< 0.5
14: PG 00264	0.12	< 0.05	0.03	0.53	< 0.02	< 0.02	< 0.02	< 0.5
15: PG 00265	0.17	0.05	< 0.02	0.96	< 0.02	< 0.02	< 0.02	< 0.5
16: PG 00266	0.13	< 0.05	< 0.02	0.75	< 0.02	< 0.02	< 0.02	< 0.5
17: PG 00267	0.59	0.15	0.06	4.25	< 0.02	< 0.02	< 0.02	< 0.5
18: PG 00268	0.16	0.08	< 0.02	1.02	< 0.02	< 0.02	< 0.02	< 0.5
19: PG 00269	< 0.05	< 0.05	< 0.02	0.34	< 0.02	< 0.02	< 0.02	< 0.5
20: PG 00270	0.14	< 0.05	< 0.02	0.73	< 0.02	< 0.02	< 0.02	< 0.5
21: PG 00271	0.19	< 0.05	< 0.02	1.01	< 0.02	< 0.02	< 0.02	< 0.5
22: PG 00272	0.22	0.06	< 0.02	1.22	< 0.02	< 0.02	0.02	< 0.5
23: PG 00273	0.14	< 0.05	0.02	0.71	0.03	< 0.02	< 0.02	< 0.5
24: PG 00274	0.28	0.10	0.02	1.45	0.02	< 0.02	0.05	< 0.5
standard → 25: PG 00275	0.78	0.37	0.03	4.99	0.13	0.09	0.03	1.4
26: PG 00276	0.32	0.18	< 0.02	1.92	0.02	< 0.02	< 0.02	< 0.5
27: PG 00277	0.31	0.10	0.03	1.74	< 0.02	< 0.02	< 0.02	< 0.5

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LR Report : CA09873-AUG05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
28: PG 00278	0.14	0.05	0.02	0.60	< 0.02	< 0.02	< 0.02	< 0.5
29: PG 00279	0.13	0.05	< 0.02	0.58	< 0.02	< 0.02	0.03	< 0.5
30: PG 00280	0.19	0.06	< 0.02	0.87	0.02	< 0.02	< 0.02	< 0.5
31: PG 00281	0.24	0.10	< 0.02	1.46	< 0.02	< 0.02	< 0.02	< 0.5
32: PG 00282	0.19	< 0.05	0.03	0.86	< 0.02	< 0.02	< 0.02	< 0.5
33: PG 00283	0.13	< 0.05	0.03	0.57	< 0.02	< 0.02	< 0.02	< 0.5
34: PG 00284	0.15	0.08	0.02	0.84	< 0.02	< 0.02	0.02	< 0.5
35: PG 00285	0.23	0.06	< 0.02	1.25	< 0.02	< 0.02	< 0.02	< 0.5
36: PG 00286	0.29	0.08	0.03	1.55	< 0.02	< 0.02	0.02	< 0.5
37: PG 00287	0.21	0.08	< 0.02	0.93	< 0.02	< 0.02	0.02	0.5
38: PG 00288	0.22	0.05	< 0.02	1.02	< 0.02	< 0.02	< 0.02	< 0.5
39: PG 00289	0.11	< 0.05	0.02	0.43	< 0.02	< 0.02	0.02	0.6
40: PG 00290	0.10	< 0.05	< 0.02	0.45	< 0.02	< 0.02	0.02	0.5
41: PG 00291	0.22	0.10	< 0.02	1.37	< 0.02	< 0.02	0.03	0.7
42: PG 00292	0.19	0.06	0.02	1.09	< 0.02	< 0.02	0.03	< 0.5
43: PG 00293	0.25	0.06	< 0.02	1.78	0.02	0.02	0.02	< 0.5
44: PG 00294	0.58	0.15	0.04	4.27	0.03	0.02	0.03	0.6
45: PG 00295	0.36	0.12	0.02	2.66	0.02	0.02	< 0.02	0.5
46: PG 00296	0.27	0.12	< 0.02	1.97	< 0.02	< 0.02	< 0.02	0.6
47: PG 00297	0.36	0.21	0.04	2.75	0.03	0.02	0.03	0.8
48: PG 00298	0.56	0.21	0.04	4.71	0.02	< 0.02	< 0.02	0.6
49: PG 00299	0.42	0.18	0.03	3.24	< 0.02	0.02	0.03	0.5
standard 50: PG 00300	0.79	0.38	0.04	5.10	0.14	0.10	0.05	2.0
51: PG 00301	0.43	0.18	0.03	3.37	< 0.02	0.02	0.02	0.8
52: PG 00302	0.65	0.38	0.04	4.92	0.02	0.02	0.04	1.1
53: PG 00303	< 0.05	0.11	< 0.02	0.28	< 0.02	< 0.02	0.02	0.6
54: PG 00304	1.26	0.57	0.08	13.2	0.07	0.11	0.06	1.5
55: PG 00305	1.38	0.40	0.06	14.5	0.14	0.12	0.08	0.9
56: PG 00306	0.80	0.48	0.05	8.06	0.06	0.07	0.06	1.2
57: PG 00307	0.93	0.41	0.06	9.38	0.06	0.08	0.13	0.8
58: PG 00308	0.84	0.46	0.05	8.54	0.09	0.08	0.09	1.1
59: PG 00309	0.39	0.14	0.03	4.05	0.02	0.04	0.05	< 0.5
60: PG 00310	0.06	0.07	< 0.02	0.63	< 0.02	< 0.02	0.03	< 0.5
61-DUP: PG 00270	0.14	< 0.05	0.02	0.76	< 0.02	< 0.02	< 0.02	< 0.5
62-DUP: PG 00290	0.11	< 0.05	< 0.02	0.46	< 0.02	< 0.02	< 0.02	< 0.5
63-DUP: PG 00310	0.06	0.09	< 0.02	0.62	< 0.02	< 0.02	0.04	< 0.5
64-REP: PG 00301	0.44	0.17	0.03	3.36	0.03	0.02	0.05	< 0.5
65-STD: PTC-1A XRF	10.0	13.6	0.29	30.9	---	---	---	---
66-STD: SU1a XRF	1.23	0.99	0.04	9.15	---	---	---	---
67-STD: Ni1 XRF	1.00	0.29	0.03	---	---	---	---	---
69-STD: nbm-1	---	---	---	0.31	---	---	---	---
70-STD: RTS-1	---	---	---	1.70	---	---	---	---

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LR Report : CA09873-AUG05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
71-STD: RTS-2	---	---	---	18.8	---	---	---	---
72-STD: CZN-3	---	---	---	31.3	---	---	---	42.5
73-STD: WMS_1	---	---	---	---	1.89	1.26	0.31	---

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ES2005-45
ES2005-46

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Wednesday, September 28, 2005

Date Rec. : 12 September 2005
LR Report : **CA03051-SEP05**
Client Ref : PO#300

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG 00311	< 0.05	< 0.05	< 0.02	0.07	< 0.02	< 0.02	< 0.02	0.6
2: PG 00312	< 0.05	< 0.05	< 0.02	0.19	< 0.02	< 0.02	< 0.02	< 0.5
3: PG 00313	< 0.05	< 0.05	< 0.02	0.57	< 0.02	< 0.02	< 0.02	< 0.5
4: PG 00314	< 0.05	< 0.05	< 0.02	1.22	< 0.02	< 0.02	< 0.02	< 0.5
5: PG 00315	< 0.05	< 0.05	< 0.02	0.28	< 0.02	< 0.02	< 0.02	< 0.5
6: PG 00316	< 0.05	< 0.05	< 0.02	0.20	0.02	0.04	< 0.02	< 0.5
7: PG 00317	< 0.05	< 0.05	< 0.02	0.50	< 0.02	< 0.02	< 0.02	< 0.5
8: PG 00318	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
9: PG 00319	< 0.05	< 0.05	< 0.02	0.11	< 0.02	< 0.02	< 0.02	< 0.5
10: PG 00320	< 0.05	< 0.05	< 0.02	0.05	< 0.02	< 0.02	< 0.02	< 0.5
11: PG 00321	< 0.05	< 0.05	0.03	1.36	< 0.02	< 0.02	< 0.02	< 0.5
12: PG 00322	0.12	0.09	0.03	4.61	< 0.02	< 0.02	< 0.02	< 0.5
13: PG 00323	< 0.05	< 0.05	< 0.02	1.27	< 0.02	< 0.02	< 0.02	< 0.5
14: PG 00324	< 0.05	< 0.05	< 0.02	0.72	< 0.02	< 0.02	< 0.02	< 0.5
standard → 15: PG 00325	0.78	0.39	0.03	5.07	0.12	0.10	0.04	1.6
16: PG 00326	< 0.05	< 0.05	< 0.02	1.38	< 0.02	< 0.02	< 0.02	< 0.5
17: PG 00327	< 0.05	< 0.05	< 0.02	0.92	< 0.02	< 0.02	< 0.02	< 0.5
18: PG 00328	< 0.05	< 0.05	< 0.02	2.53	< 0.02	< 0.02	< 0.02	< 0.5
19: PG 00329	< 0.05	< 0.05	< 0.02	0.25	< 0.02	< 0.02	< 0.02	< 0.5
20: PG 00330	< 0.05	< 0.05	< 0.02	0.15	< 0.02	< 0.02	< 0.02	< 0.5
21: PG 00331	< 0.05	< 0.05	< 0.02	0.16	< 0.02	< 0.02	< 0.02	< 0.5
22: PG 00332	< 0.05	< 0.05	< 0.02	0.20	< 0.02	< 0.02	< 0.02	< 0.5
23: PG 00333	< 0.05	< 0.05	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.5
24: PG 00334	< 0.05	< 0.05	< 0.02	0.10	< 0.02	< 0.02	< 0.02	< 0.5
25: PG 00335	< 0.05	< 0.05	< 0.02	0.03	< 0.02	< 0.02	< 0.02	< 0.5
26: PG 00336	< 0.05	< 0.05	< 0.02	0.10	< 0.02	< 0.02	< 0.02	< 0.5
27: PG 00337	< 0.05	< 0.05	< 0.02	0.21	< 0.02	< 0.02	< 0.02	< 0.5

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LR Report : CA03051-SEP05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
28: PG 00338	< 0.05	< 0.05	< 0.02	0.43	0.02	0.05	< 0.02	< 0.5
29: PG 00339	< 0.05	< 0.05	< 0.02	0.09	< 0.02	< 0.02	< 0.02	< 0.5
30: PG 00340	< 0.05	< 0.05	< 0.02	0.51	0.02	0.02	< 0.02	< 0.5
31: PG 00341	< 0.05	< 0.05	< 0.02	0.21	< 0.02	0.02	< 0.02	< 0.5
32: PG 00342	< 0.05	< 0.05	< 0.02	0.20	< 0.02	0.02	< 0.02	< 0.5
33: PG 00343	< 0.05	< 0.05	< 0.02	0.44	< 0.02	< 0.02	< 0.02	< 0.5
34: PG 00344	< 0.05	< 0.05	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.5
35: PG 00345	< 0.05	< 0.05	< 0.02	0.08	< 0.02	< 0.02	< 0.02	< 0.5
36: PG 00346	< 0.05	< 0.05	< 0.02	0.27	< 0.02	0.03	< 0.02	< 0.5
37: PG 00347	< 0.05	< 0.05	< 0.02	0.26	< 0.02	0.02	< 0.02	< 0.5
38: PG 00348	< 0.05	< 0.05	< 0.02	0.23	< 0.02	< 0.02	< 0.02	< 0.5
39: PG 00349	< 0.05	< 0.05	< 0.02	0.25	< 0.02	< 0.02	< 0.02	< 0.5
40: PG 00350	< 0.05	< 0.05	< 0.02	0.21	< 0.02	0.02	0.03	< 0.5
standard → 41: PG 00351	0.80	0.36	< 0.02	5.38	0.14	0.10	0.03	1.6
42: PG 00352	< 0.05	< 0.05	< 0.02	0.07	< 0.02	< 0.02	< 0.02	< 0.5
43: PG 00353	0.09	0.12	< 0.02	2.24	0.02	< 0.02	0.05	< 0.5
44: PG 00354	0.12	0.38	0.02	1.78	0.02	0.03	0.03	< 0.5
45: PG 00355	0.28	< 0.05	0.04	5.52	0.05	< 0.02	0.02	< 0.5
46: PG 00356	0.14	0.09	< 0.02	2.66	0.02	< 0.02	< 0.02	< 0.5
47: PG 00357	0.16	0.07	0.02	2.76	0.03	0.02	0.02	< 0.5
48: PG 00358	0.40	0.21	0.05	7.09	0.05	0.04	0.02	< 0.5
49: PG 00359	0.15	0.08	0.02	4.46	0.03	< 0.02	0.02	< 0.5
50: PG 00360	0.06	0.06	< 0.02	1.17	< 0.02	< 0.02	< 0.02	< 0.5
51: PG 00361	0.06	< 0.05	< 0.02	1.17	< 0.02	< 0.02	< 0.02	< 0.5
52: PG 00362	0.13	< 0.05	0.03	2.76	< 0.02	< 0.02	< 0.02	< 0.5
53: PG 00363	0.07	< 0.05	0.02	1.27	< 0.02	< 0.02	< 0.02	< 0.5
54: PG 00364	0.10	0.06	< 0.02	2.04	< 0.02	< 0.02	0.02	< 0.5
55: PG 00365	0.13	0.07	0.03	2.19	0.02	< 0.02	0.02	< 0.5
56: PG 00366	0.13	< 0.05	< 0.02	2.09	< 0.02	< 0.02	< 0.02	< 0.5
57: PG 00367	0.11	0.06	< 0.02	1.96	< 0.02	< 0.02	< 0.02	< 0.5
58: PG 00368	0.10	0.06	0.02	1.90	0.02	< 0.02	0.02	< 0.5
59: PG 00369	0.15	0.09	< 0.02	2.71	0.02	< 0.02	< 0.02	< 0.5
60: PG 00370	0.10	0.06	< 0.02	1.49	0.02	< 0.02	< 0.02	< 0.5
61: PG 00371	0.07	0.06	< 0.02	1.35	< 0.02	< 0.02	< 0.02	< 0.5
62: PG 00372	0.09	0.08	< 0.02	1.67	< 0.02	< 0.02	< 0.02	< 0.5
63: PG 00373	0.13	0.10	0.02	2.77	0.02	< 0.02	0.02	< 0.5
64: PG 00374	< 0.05	< 0.05	< 0.02	0.12	< 0.02	< 0.02	< 0.02	< 0.5
65: PG 00375	0.29	0.14	0.04	4.86	0.06	0.02	0.04	< 0.5
66: PG 00376	< 0.05	< 0.05	< 0.02	0.04	< 0.02	< 0.02	< 0.02	< 0.5
67: PG 00377	0.52	0.06	0.06	10.8	0.10	0.04	0.05	< 0.5
68: PG 00378	0.38	0.42	0.04	7.44	0.09	0.02	0.03	< 0.5
69: PG 00379	0.11	< 0.05	< 0.02	2.33	0.02	< 0.02	0.06	< 0.5

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LR Report : CA03051-SEP05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
70: PG 00380	0.69	0.87	0.09	13.6	0.11	0.05	0.03	0.6
standard — 71: PG 00381	0.79	0.37	0.04	5.14	0.19	0.16	0.03	1.7
72: PG 00382	0.30	0.05	0.04	5.98	0.07	0.04	< 0.02	< 0.5
73: PG 00383	0.09	< 0.05	< 0.02	1.95	0.03	0.03	< 0.02	< 0.5
74: PG 00384	0.06	< 0.05	0.02	1.20	< 0.02	< 0.02	< 0.02	< 0.5
75: PG 00385	0.26	0.17	0.05	6.00	0.07	0.05	0.03	< 0.5
76: PG 00386	0.27	0.20	0.04	5.44	0.13	0.20	0.03	< 0.5
77: PG 00387	0.35	0.56	0.06	6.99	0.06	0.02	< 0.02	< 0.5
78: PG 00388	0.12	0.06	< 0.02	2.13	0.02	0.02	0.02	< 0.5
79: PG 00389	0.57	0.13	0.07	10.2	0.10	0.03	0.02	< 0.5
80: PG 00390	< 0.05	< 0.05	< 0.02	0.01	< 0.02	< 0.02	< 0.02	< 0.5
81: PG 00391	< 0.05	< 0.05	< 0.02	0.61	< 0.02	< 0.02	< 0.02	< 0.5
82: PG 00392	< 0.05	< 0.05	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.5
83: PG 00393	0.14	< 0.05	0.02	2.81	< 0.02	< 0.02	< 0.02	< 0.5
84: PG 00394	< 0.05	< 0.05	< 0.02	0.29	< 0.02	0.03	< 0.02	< 0.5
85: PG 00395	0.38	0.51	0.05	5.98	0.08	0.05	0.02	< 0.5
86: PG 00396	< 0.05	< 0.05	< 0.02	0.08	< 0.02	< 0.02	< 0.02	< 0.5
87: PG 00397	< 0.05	< 0.05	< 0.02	0.30	< 0.02	< 0.02	< 0.02	< 0.5
88: PG 00398	0.06	0.06	0.02	1.34	< 0.02	0.05	< 0.02	< 0.5
89: PG 00399	< 0.05	< 0.05	< 0.02	0.01	< 0.02	< 0.02	< 0.02	< 0.5
standard — 90: PG 00400	1.79	0.38	0.05	10.7	0.08	0.17	< 0.02	< 0.5
91: PG 00401	< 0.05	< 0.05	< 0.02	0.22	< 0.02	< 0.02	< 0.02	< 0.5
92: PG 00402	< 0.05	< 0.05	0.02	1.68	0.06	0.25	0.02	< 0.5
93: PG 00403	< 0.05	< 0.05	< 0.02	0.14	< 0.02	< 0.02	< 0.02	< 0.5
94: PG 00404	0.10	0.06	< 0.02	1.59	0.09	0.15	0.03	< 0.5
95: PG 00405	< 0.05	< 0.05	< 0.02	0.10	< 0.02	0.03	< 0.02	< 0.5
96: PG 00406	< 0.05	< 0.05	< 0.02	0.17	< 0.02	0.02	< 0.02	< 0.5
97: PG 00407	0.18	0.15	0.03	3.47	0.05	0.13	< 0.02	< 0.5
98: PG 00408	0.06	0.06	< 0.02	1.16	0.02	0.04	< 0.02	< 0.5
99: PG 00409	0.05	< 0.05	< 0.02	0.85	0.02	0.04	< 0.02	< 0.5
100: PG 00410	< 0.05	< 0.05	< 0.02	0.13	< 0.02	0.04	< 0.02	< 0.5
101-DUP: PG 00330	< 0.05	< 0.05	< 0.02	0.16	< 0.02	< 0.02	< 0.02	< 0.5
102-DUP: PG 00350	< 0.05	< 0.05	< 0.02	0.20	< 0.02	< 0.02	< 0.02	< 0.5
103-DUP: PG 00370	0.11	0.06	0.03	1.49	< 0.02	< 0.02	< 0.02	< 0.5
104-DUP: PG 00390	< 0.05	< 0.05	< 0.02	0.02	< 0.02	< 0.02	< 0.02	< 0.5
105-DUP: PG 00410	< 0.05	< 0.05	< 0.02	---	---	---	---	< 0.5
106-REP: PG 00361	---	---	---	---	---	---	---	---
107-STD: PTC-1A XR	10.0	13.5	0.28	---	---	---	---	---
108-STD: SU1a XRF	1.25	0.98	0.05	---	---	---	---	---
109-STD: Ni1 XRF	0.98	0.31	0.03	---	---	---	---	---
110-STD: Ni2 XRF	1.95	0.72	0.05	---	---	---	---	---
111-STD: nbm-1	---	---	---	0.31	---	---	---	---

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LR Report : CA03051-SEP05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
112-STD: RTS-1	---	---	---	1.71	---	---	---	---
113-STD: RTS-2	---	---	---	19.1	---	---	---	---
114-STD: CZN-3	---	---	---	31.6	---	---	---	42.0
115-STD: WMS_1	---	---	---	---	1.75	1.17	0.27	---

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ES2005-48
ES2005-49
ES2005-50

Falconbridge Limited
Attn : Patti Tirschmann

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Toronto, ON - M5J 1A7
Fax :416 982 7420

Friday, October 28, 2005

Date Rec. : 05 October 2005
LR. Ref. : CA03026-OCT05

CERTIFICATE OF ANALYSIS
Final Report

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
1: PG00411	< 0.05	< 0.05	< 0.02	0.65	< 0.02	0.02	0.02	< 0.5
2: PG00412	< 0.05	0.07	< 0.02	1.58	< 0.02	< 0.02	< 0.02	< 0.5
3: PG00413	< 0.05	< 0.05	< 0.02	0.18	< 0.02	< 0.02	0.02	< 0.5
4: PG00414	< 0.05	< 0.05	< 0.02	0.19	< 0.02	< 0.02	< 0.02	< 0.5
5: PG00415	< 0.05	< 0.05	< 0.02	7.07	< 0.02	< 0.02	0.02	< 0.5
6: PG00416	< 0.05	< 0.05	< 0.02	0.22	< 0.02	< 0.02	< 0.02	< 0.5
7: PG00417	< 0.05	< 0.05	< 0.02	1.23	< 0.02	< 0.02	< 0.02	< 0.5
8: PG00418	< 0.05	0.06	< 0.02	6.47	0.02	< 0.02	< 0.02	< 0.5
9: PG00419	< 0.05	< 0.05	< 0.02	2.65	< 0.02	< 0.02	< 0.02	< 0.5
10: PG00420	< 0.05	0.06	< 0.02	6.93	< 0.02	< 0.02	0.02	< 0.5
11: PG00421	< 0.05	< 0.05	< 0.02	4.86	< 0.02	< 0.02	< 0.02	< 0.5
12: PG00422	< 0.05	< 0.05	< 0.02	3.41	< 0.02	< 0.02	< 0.02	< 0.5
13: PG00423	< 0.05	< 0.05	< 0.02	0.75	< 0.02	< 0.02	< 0.02	< 0.5
14: PG00424	< 0.05	< 0.05	< 0.02	0.10	< 0.02	< 0.02	< 0.02	< 0.5
standard 15: PG00425	0.80	0.38	0.03	5.11	0.15	0.11	0.04	1.8
16: PG00426	< 0.05	< 0.05	< 0.02	1.54	< 0.02	< 0.02	< 0.02	< 0.5
17: PG00427	< 0.05	< 0.05	< 0.02	1.11	< 0.02	< 0.02	< 0.02	< 0.5
18: PG00428	< 0.05	< 0.05	< 0.02	5.12	< 0.02	< 0.02	< 0.02	< 0.5
19: PG00429	< 0.05	< 0.05	< 0.02	2.54	< 0.02	< 0.02	< 0.02	< 0.5
20: PG00430	< 0.05	< 0.05	< 0.02	5.15	< 0.02	< 0.02	0.04	< 0.5
21: PG00431	< 0.05	< 0.05	< 0.02	1.16	< 0.02	< 0.02	< 0.02	< 0.5
22: PG00432	< 0.05	< 0.05	< 0.02	0.18	< 0.02	< 0.02	< 0.02	< 0.5
23-STD: PTC-1A XRF	10.1	13.6	0.28	---	---	---	---	---
24-STD: SU1a XRF	1.23	0.99	0.05	---	---	---	---	---
27-STD: nbm-1	---	---	---	0.32	---	---	---	---
28-STD: RTS-1	---	---	---	1.70	---	---	---	---

OnLine LIMS

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LR Report : CA03026-OCT05

Sample ID	Ni %	Cu %	Co %	S %	Pt g/t	Pd g/t	Au g/t	Ag g/t
29-STD: RTS-2	---	---	---	19.3	---	---	---	---
30-STD: CZN-3	---	---	---	31.1	---	---	---	42.5
31-STD: WMS_1	---	---	---	---	1.89	1.22	0.23	---

Debbie Waldon

Debbie Waldon
Project Coordinator,
Minerals Services, Analytical

APPENDIX E

Appendix E

Borehole Profiles – Selected 2004 Reconnaissance Drillholes

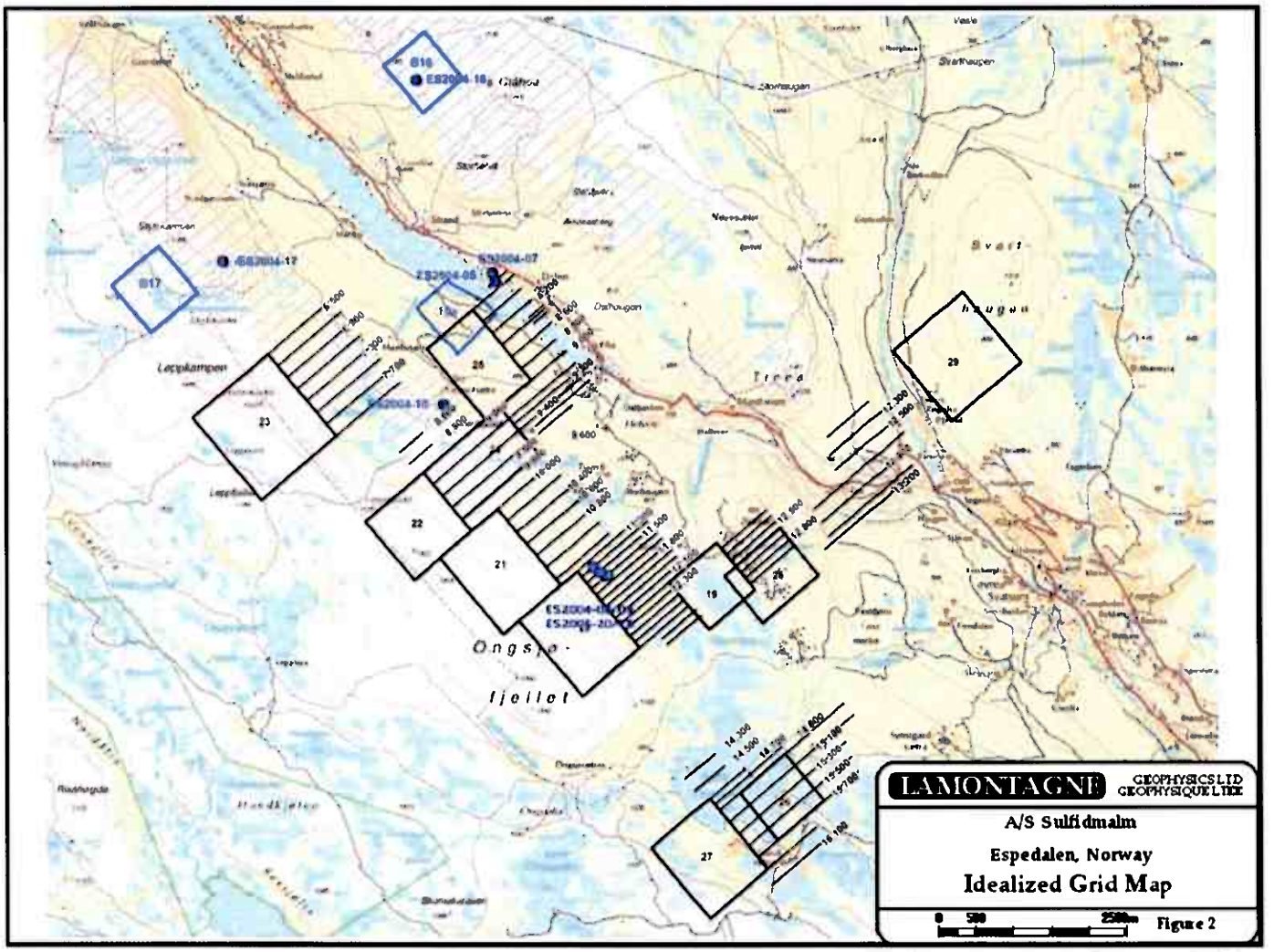
An excerpt from

"Interpretation Report – 2005 UTEM Survey, Espedalen Norway for A/S Sulfidmalm"

Robert Langridge, Lamontagne Geophysics Ltd.

A total of 9 holes were surveyed with BHUTEM-3. This included 7 holes drilled in 2004 and 2 holes drilled in 2005. Three additional loops were required to complete the BHUTEM-3 surveying - Loop 15a (~Loop 15 from 2004 relaid) and Loops B16 and B17 (new loops laid to survey holes ES2004-16 and ES2004-17 respectively).

For all loops, the receiver operated in 10-channel mode at a transmitter frequency of 3.251Hz.



List of Borehole Data Collected and Plotted

Area	Borehole Name	Survey Depth	Dummy Depth	Loop Number	Frequency
Listed by hole number:					
Dalen:	ES2004-05	118m	~119m	Loop 15a	3.251Hz
Dalen:	ES2004-07	70m	71m	Loop 15a	3.251Hz
Stormyra:	ES2004-08	82m	84m	Loop 20	3.251Hz
Stormyra:	ES2004-09	110(130)m	~139m	Loop 20	3.251Hz
Melgard:	ES2004-10	128m	~130m	Loop 25	3.251Hz
Grahoa:	ES2004-16	178m	179.5m	Loop B16	3.251Hz
Stylskampen:	ES2004-17	93m	93m	Loop B17	3.251Hz
Stormyra:	ES2005-18	170m	171m	Loop 20	3.251Hz
Stormyra:	ES2005-20	127m	130.5m	Loop 20	3.251Hz
Stormyra:	ES2005-21		blocked	Loop 20	
Listed by area:					
Dalen:	ES2004-05	118m	~119m	Loop 15a	3.251Hz
	ES2004-07	70m	71m	Loop 15a	3.251Hz
Stormyra:	ES2004-08	82m	84m	Loop 20	3.251Hz
	ES2004-09	110(130)m	~139m	Loop 20	3.251Hz
	ES2005-18	170m	171m	Loop 20	3.251Hz
	ES2005-20	127m	130.5m	Loop 20	3.251Hz
	ES2005-21		blocked	Loop 20	
Melgard:	ES2004-10	128m	~130m	Loop 25	3.251Hz
Grahoa:	ES2004-16	178m	179.5m	Loop B16	3.251Hz
Stylskampen:	ES2004-17	93m	93m	Loop B17	3.251Hz

Dalen

Loop 15a - BH UTEM-3

@3.251 Hz frequency

Ch1 reduced

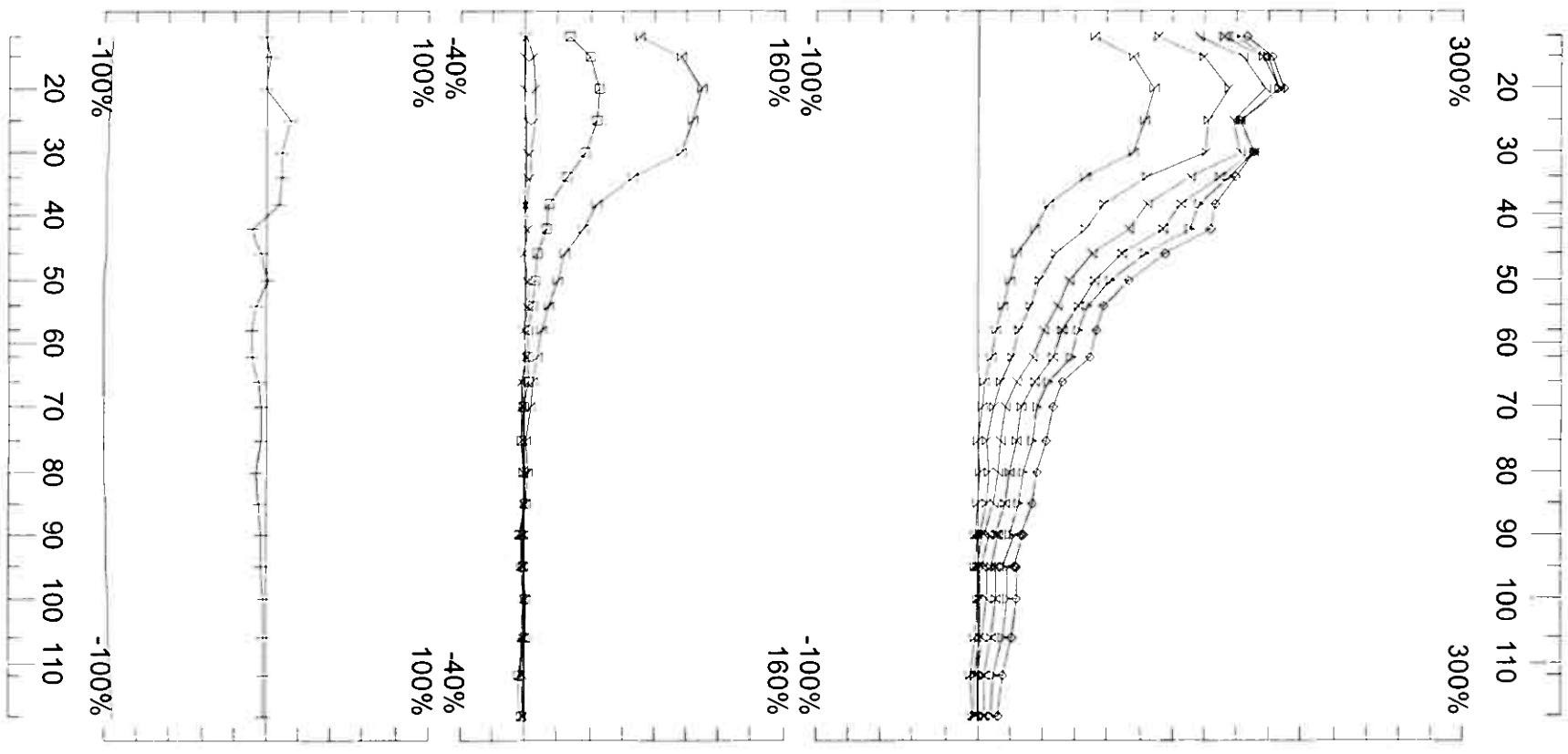
Dalen:	ES2004-05	118m	~119m	Loop 15a	3.251Hz
	ES2004-07	70m	71m	Loop 15a	3.251Hz

ES2004-05
ES2004-07

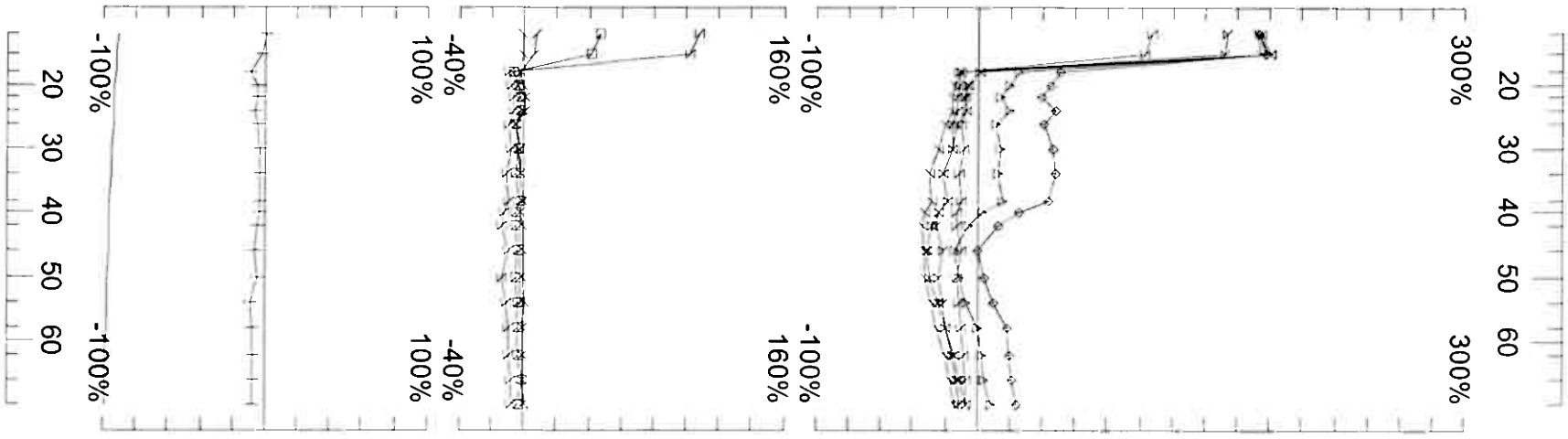
3-axis plot
total field plot

plan vectorplot
gridnorth-south section vectorplot

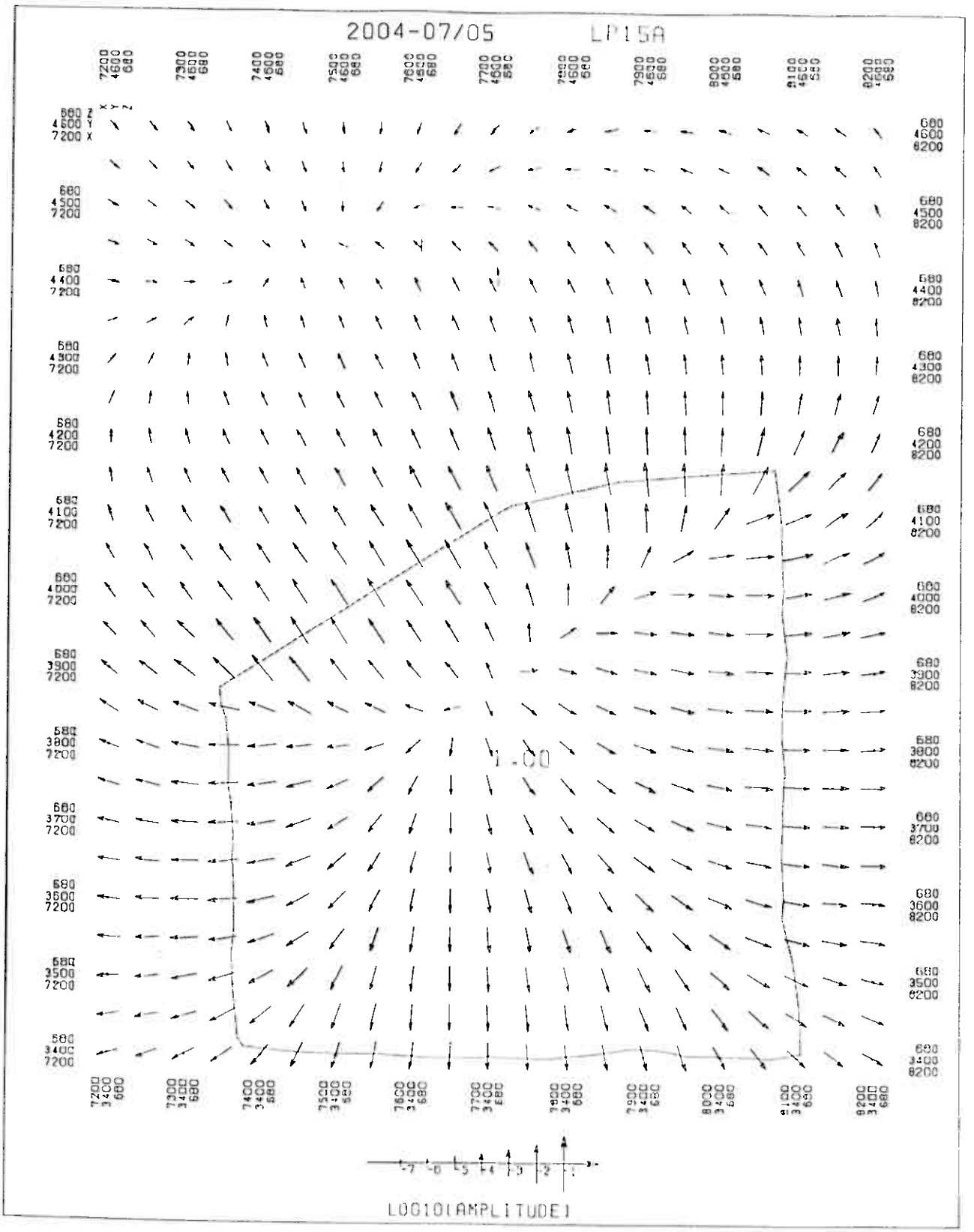
ES2004-05/07

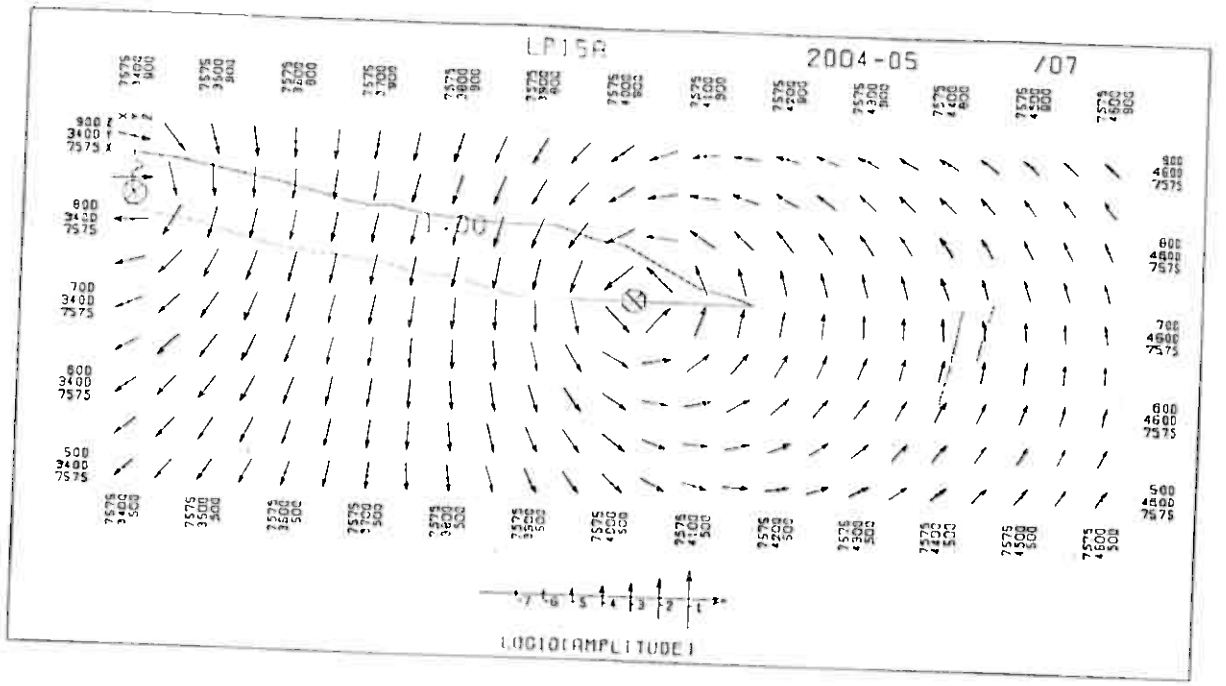


Loop: 15a	Secondary, (Chn - Ch1)/IHpI	BHUTEM Survey at: Espedalen
Hole: ES-2004-05	Contin. Norm at depth of 0 m	For: A/S Sulfidmalm
Compt: Axial	Base Freq. 3.251 Hz	LAMONTAGNE GEOPHYSICS LTD / GEOPHYSIQUE LTEE — Job 0511 — Surveyed: 5/11/15 Reduced: 22/3/5 Plotted: 11/4/5



Loop: 15a	Secondary, (Chn - Ch1)/IHpI	BHUTEM Survey at: Espedalen
Hole: ES-2004-07	Contin. Norm at depth of 0 m	For: A/S Sulfidmalm
Compt: Axial	Base Freq. 3.251 Hz	LAMONTAGNE GEOPHYSICS LTD / GEOPHYSIQUE LTEE Job 0511 Surveyed : 5/11/15 Reduced : 22/3/5 Plotted : 11/4/5


2004-07/05
LP15A
1.00
LOG10(AMPLITUDE)


LP15R
2004-05
/07
LOG10(AMPLITUDE)

Stormyra

Loop 20 - BH UTEM-3

@3.251 Hz frequency

Ch1 reduced

Stormyra:	ES2004-08	82m	84m	Loop 20	3.251Hz
	ES2004-09	110(130)m	~139m	Loop 20	3.251Hz
a	ES2005-18	170m	171m	Loop 20	3.251Hz
	ES2005-20	127m	130.5m	Loop 20	3.251Hz

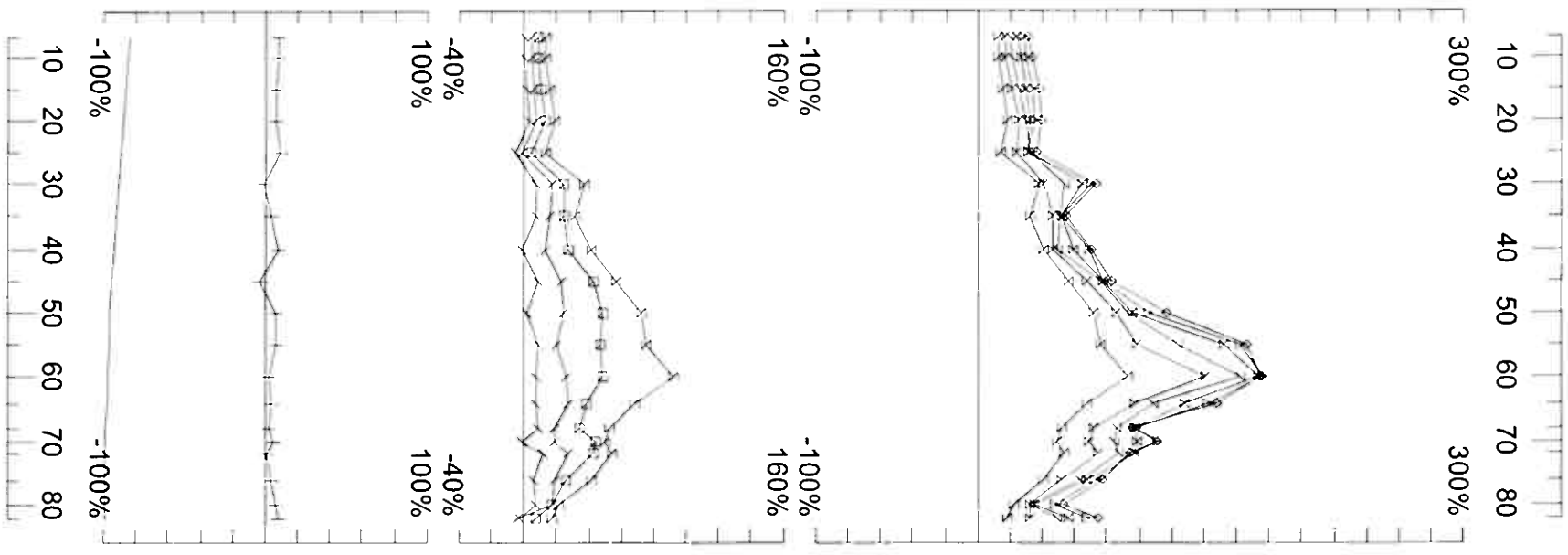
ES2004-08
ES2004-09

3-axis plot
total field plot
plan vectorplot
gridnorth-south section vectorplot

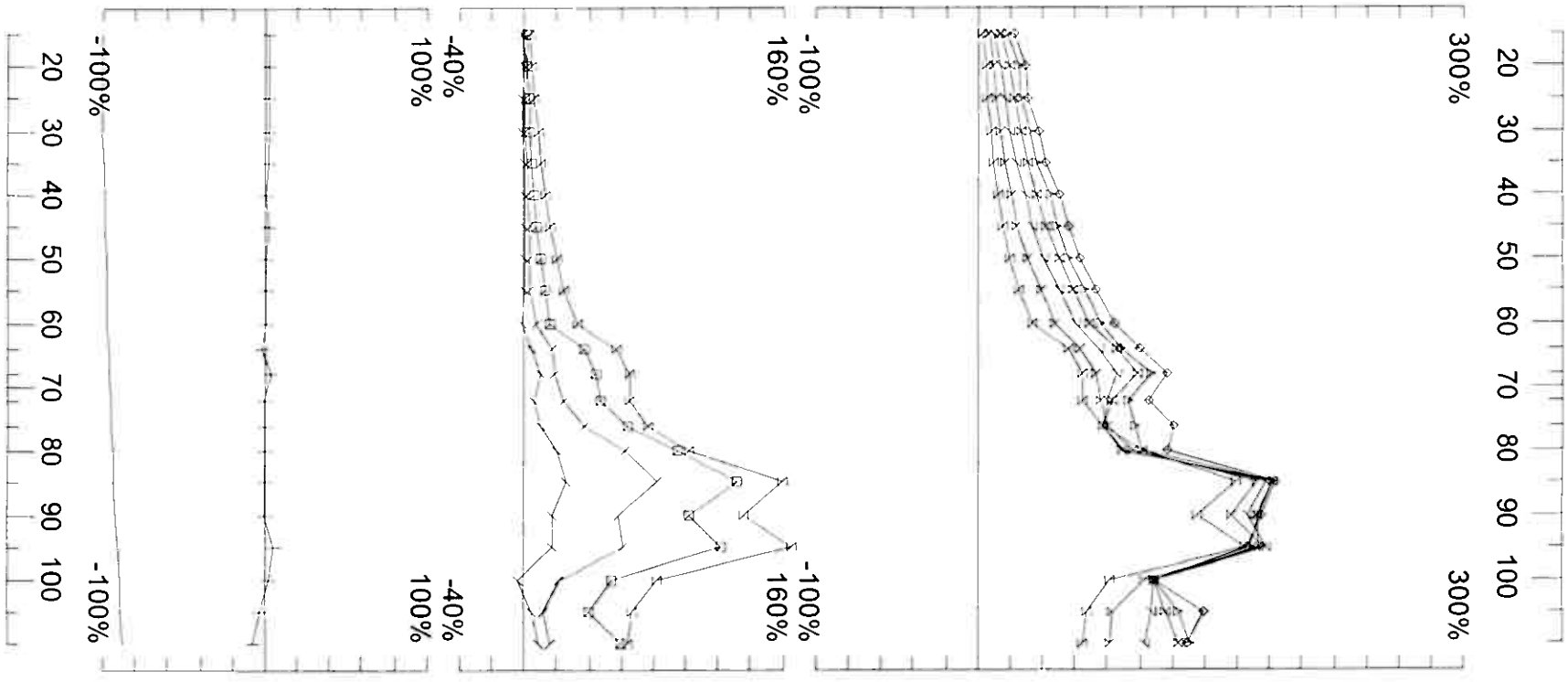
ES2004-18
ES2004-20

3-axis plot
total field plot
plan vectorplot
gridnorth-south section vectorplot

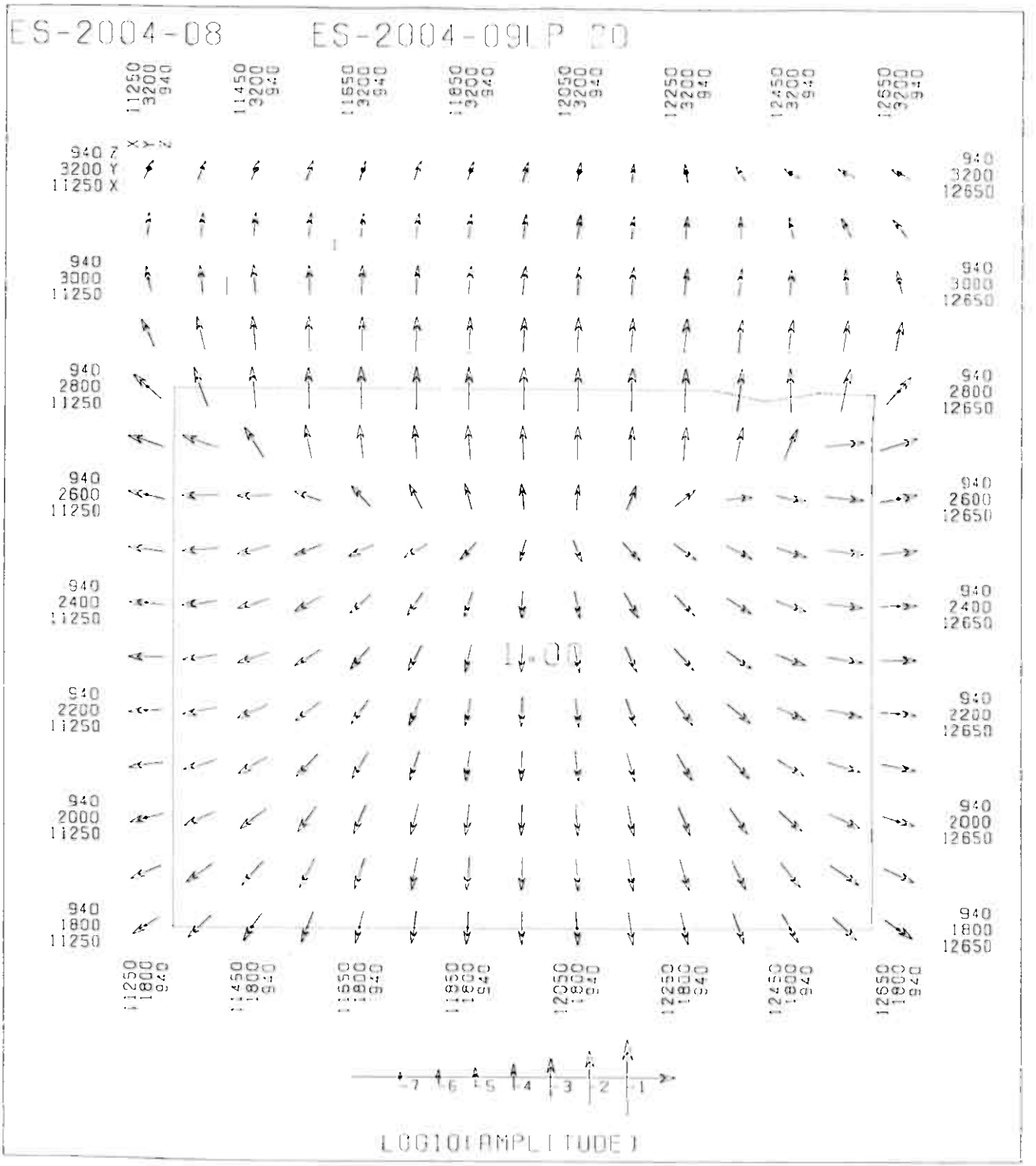
ES2004-08/09 +ES2005-18/20

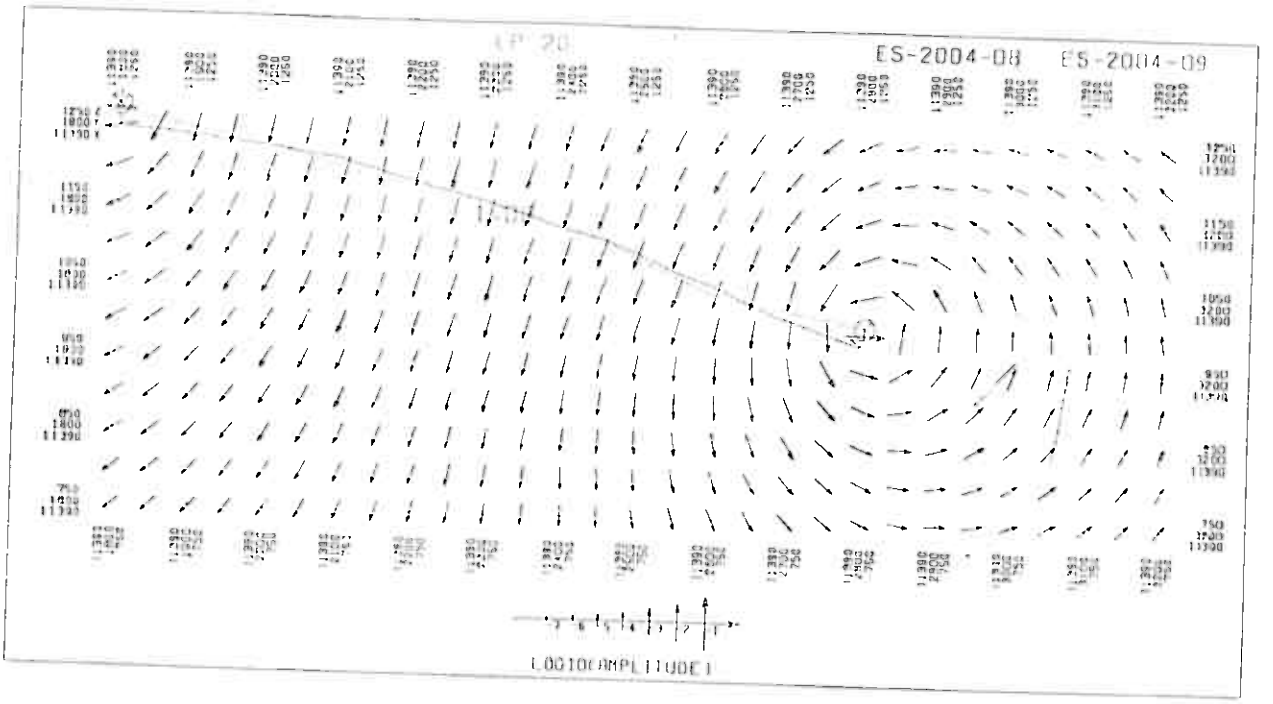


Loop: 20	Secondary, (Chn - Ch1)/IHpl	BHUTEM Survey at: Espedalen
Hole: ES-2004-08	Contin. Norm at depth of 0 m	For: A/S Sulfidmalm
Compt: Axial	Base Freq. 3.251 Hz	LAMONTAGNE GEOPHYSICS LTD / GEOPHYSIQUE LTEE Job 0511 Surveyed: 23/2/5 Reduced: 10/3/5 Plotted: 11/4/5

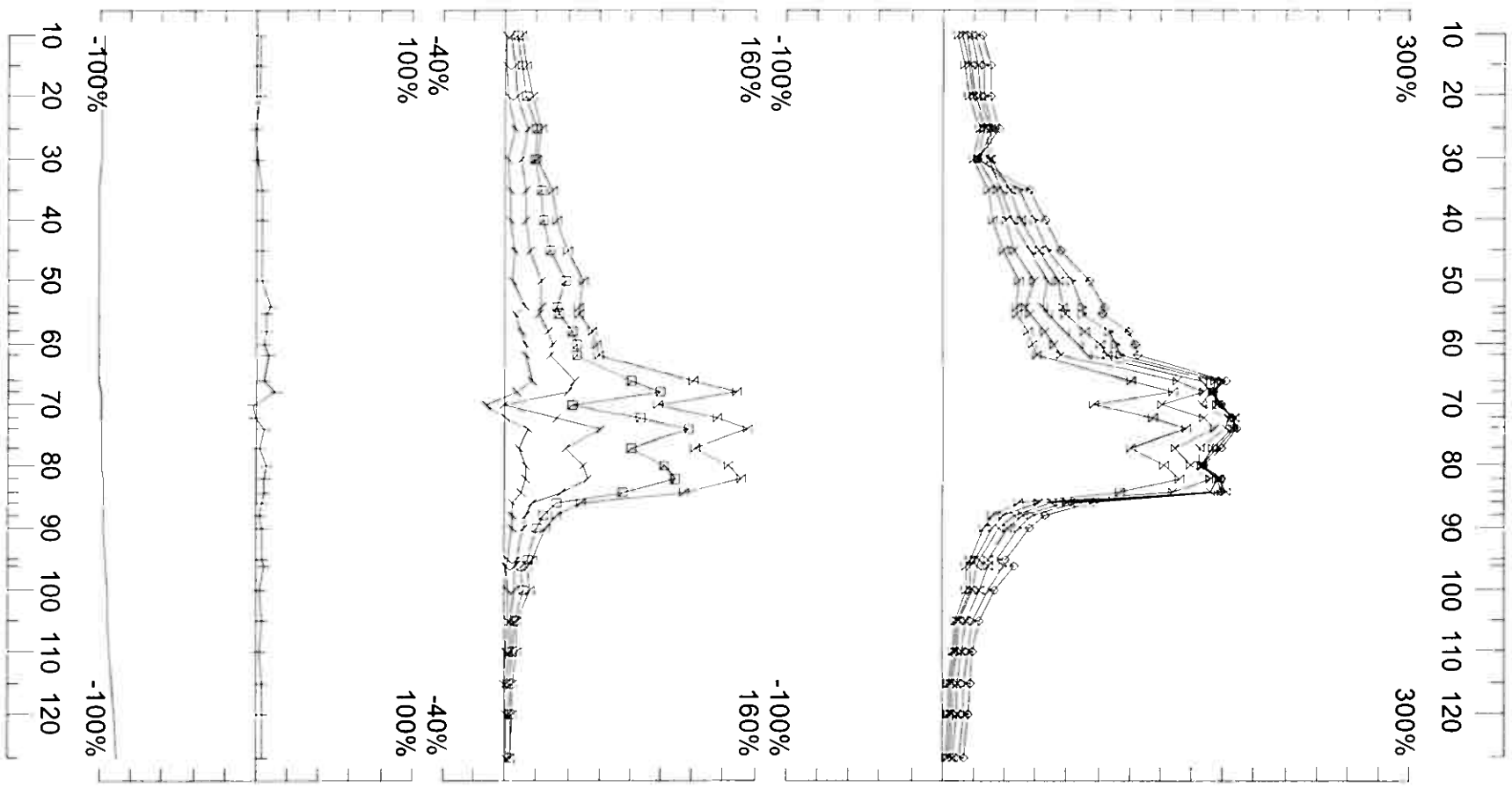


Loop: 20 Hole: ES-2004-09 Compt: Axial	Secondary, (Chn - Ch1)/IHpI Contin. Norm at depth of 0 m Base Freq. 3.251 Hz	BHUTEM Survey at: Espedalen For: A/S Sulfidmalm LAMONTAGNE GEOPHYSICS LTD / GEOPHYSIQUE LTEE Job 0511 Surveyed 25/2/5 Reduced 21/3/5 Plotted 11/4/5

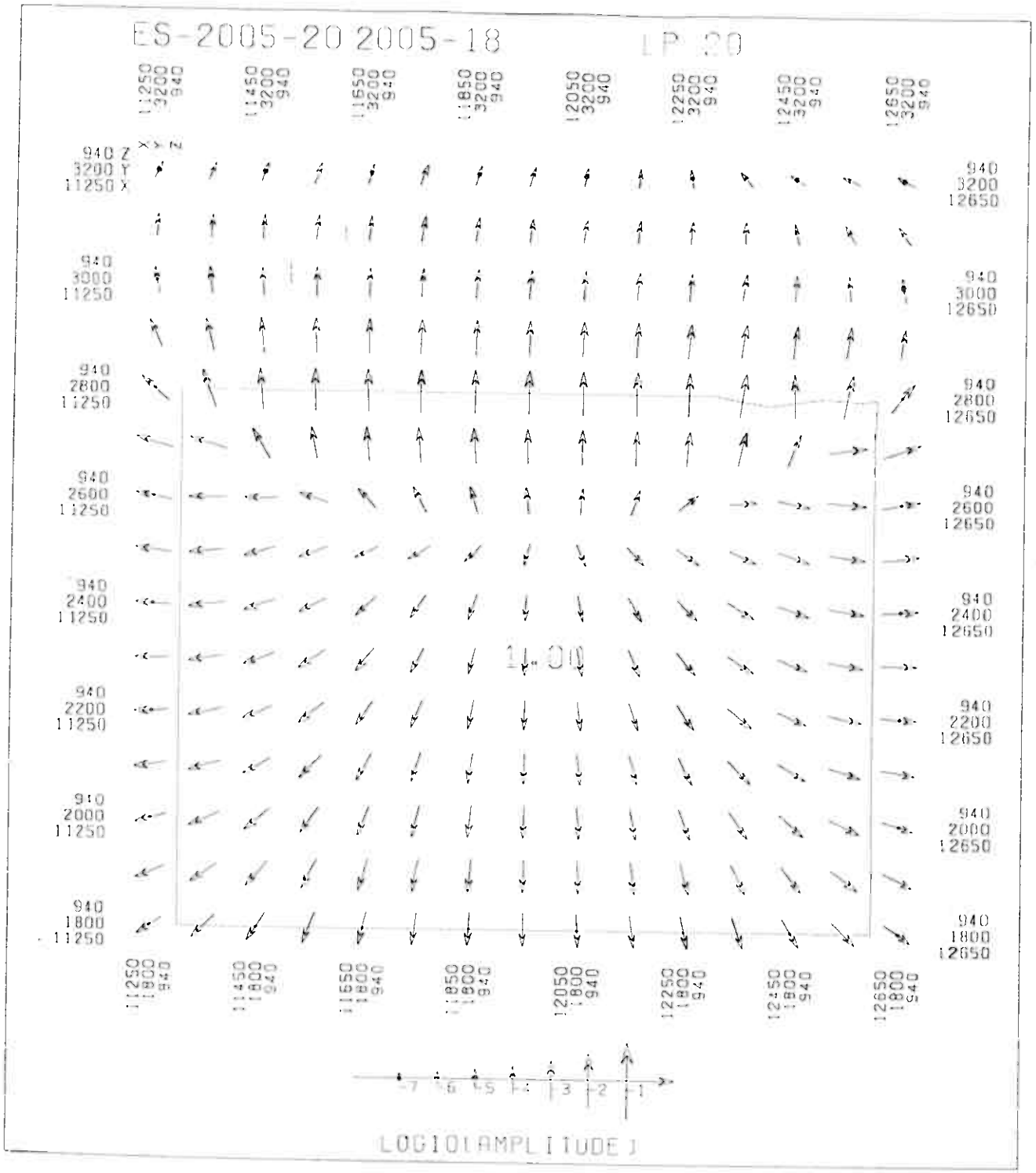

ES-2004-08
ES-2004-09LP 20
11250 3200 940
11450 3200 940
11650 3200 940
11850 3200 940
12050 3200 940
12250 3200 940
12450 3200 940
12650 3200 940
940 Z
3200 Y
11250 X
940 3200 12650
940 3000 11250
940 3000 12650
940 2800 11250
940 2800 12650
940 2600 11250
940 2600 12650
940 2400 11250
940 2400 12650
940 2200 11250
940 2200 12650
940 2000 11250
940 2000 12650
940 1800 11250
940 1800 12650
11250 1800 940
11450 1800 940
11650 1800 940
11850 1800 940
12050 1800 940
12250 1800 940
12450 1800 940
12650 1800 940
-7 -6 -5 -4 -3 -2 -1
LOG10(AMPLITUDE)

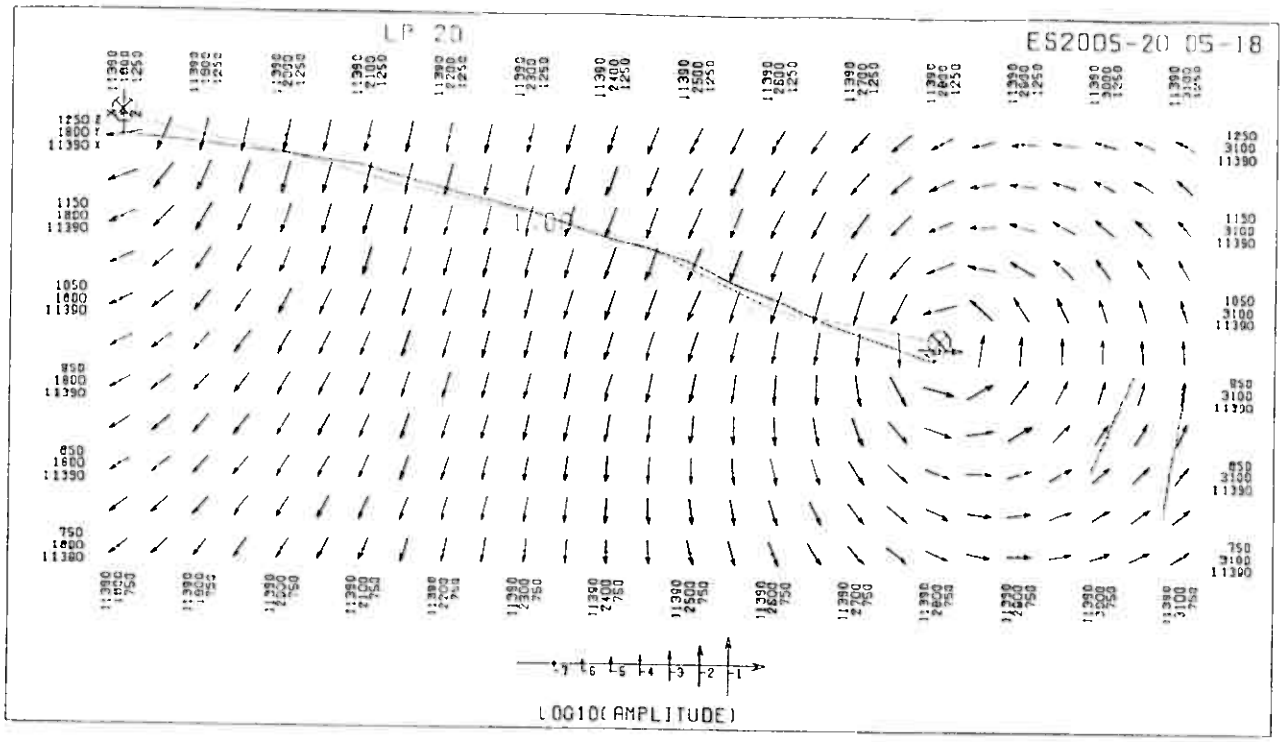

ES-2004-08
ES-2004-09
LOG10(AMPLITUDE)

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160
300%
300%
-100%
160%
-100%
160%
-40%
100%
-40%
100%
-100%
-100%
20 30 40 50 60 70 80 90 100 110 120 130 140 150 160
BHUTEM Survey at: Espedalen
For: A/S Sulfidmalm
LAMONTAGNE GEOPHYSICS LTD
GEOPHYSIQUE LTEE
Job 0511
Surveyed : 18/3/5
Reduced : 18/3/5
Plotted : 11/4/5
Secondary, (Chn - Ch1)/IHpI
Contin. Norm at depth of 0 m
Base Freq. 3.251 Hz
Loop: 20
Hole: ES-2004-18
Compt: Axial



Loop: 20	Secondary, (Chn - Ch1)/Ihpl	BHUTEM Survey at: Espedalen
Hole: ES-2004-20	Contin. Norm at depth of 0 m	For: A/S Sulfidmalm
Compt: Axial	Base Freq. 3.251 Hz	LAMONTAGNE GEOPHYSICS LTD / GEOPHYSIQUE LTEE — Job 0511 — Surveyed: 19/3/5, Reduced: 19/3/5, Plotted: 11/4/5


ES-2005-20 2005-18
LP 20
11250 3200 940
11450 3200 940
11650 3200 940
11850 3200 940
12050 3200 940
12250 3200 940
12450 3200 940
12650 3200 940
940 Z
3200 Y
11250 X
940 3200 12650
940 3000 11250
940 3000 12650
940 2800 11250
940 2800 12650
940 2600 11250
940 2600 12650
940 2400 11250
940 2400 12650
940 2200 11250
940 2200 12650
940 2000 11250
940 2000 12650
940 1800 11250
940 1800 12650
11250 1800 940
11450 1800 940
11650 1800 940
11850 1800 940
12050 1800 940
12250 1800 940
12450 1800 940
12650 1800 940
-7 -6 -5 -4 -3 -2 -1
LOG10(AMPLITUDE)


LP 20
ES2005-20 05-18
LOG10(AMPLITUDE)

Melgard

Loop 25 - BH UTEM-3

@3.251 Hz frequency

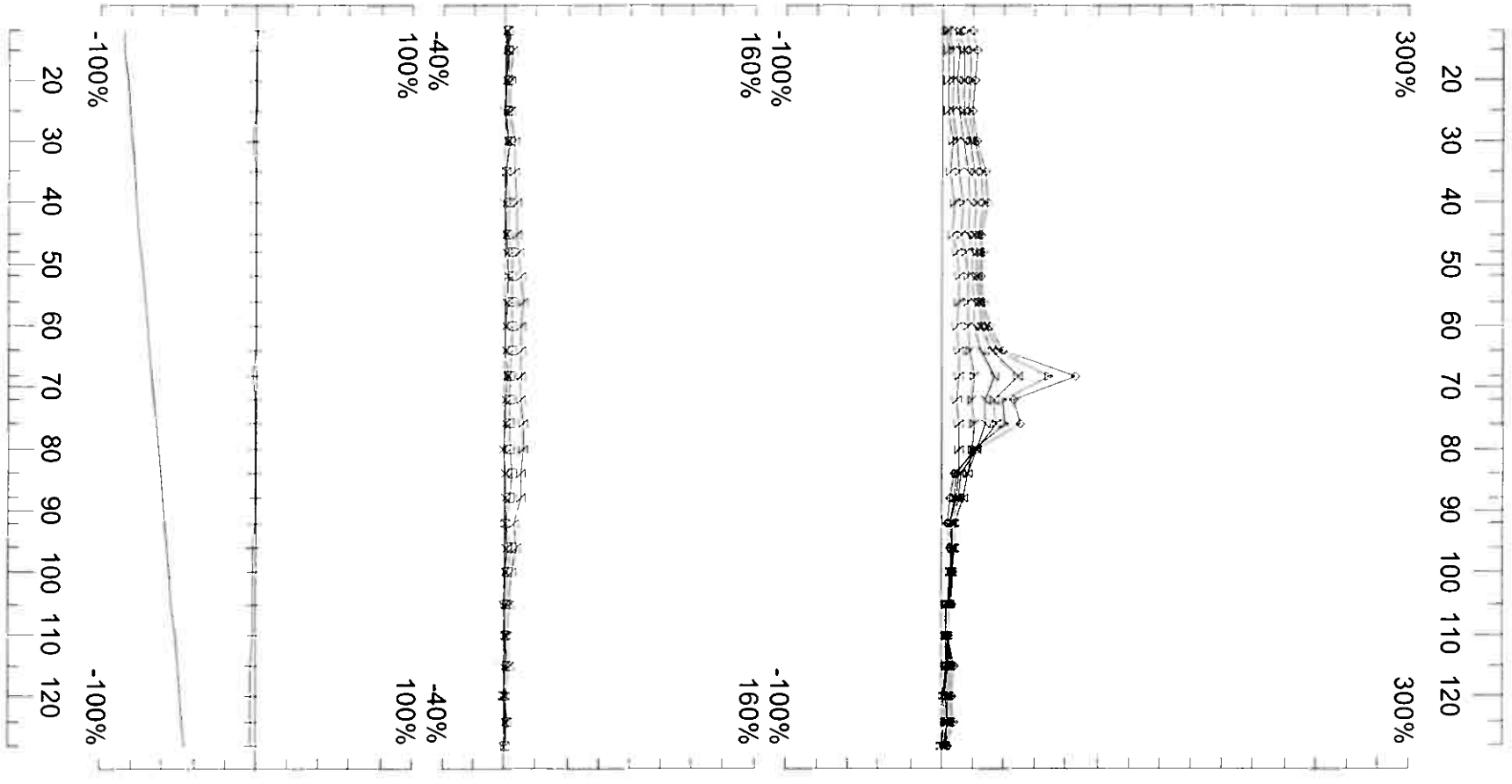
Ch1 reduced

Melgard: ES2004-10 128m -130m Loop 25 3.251Hz

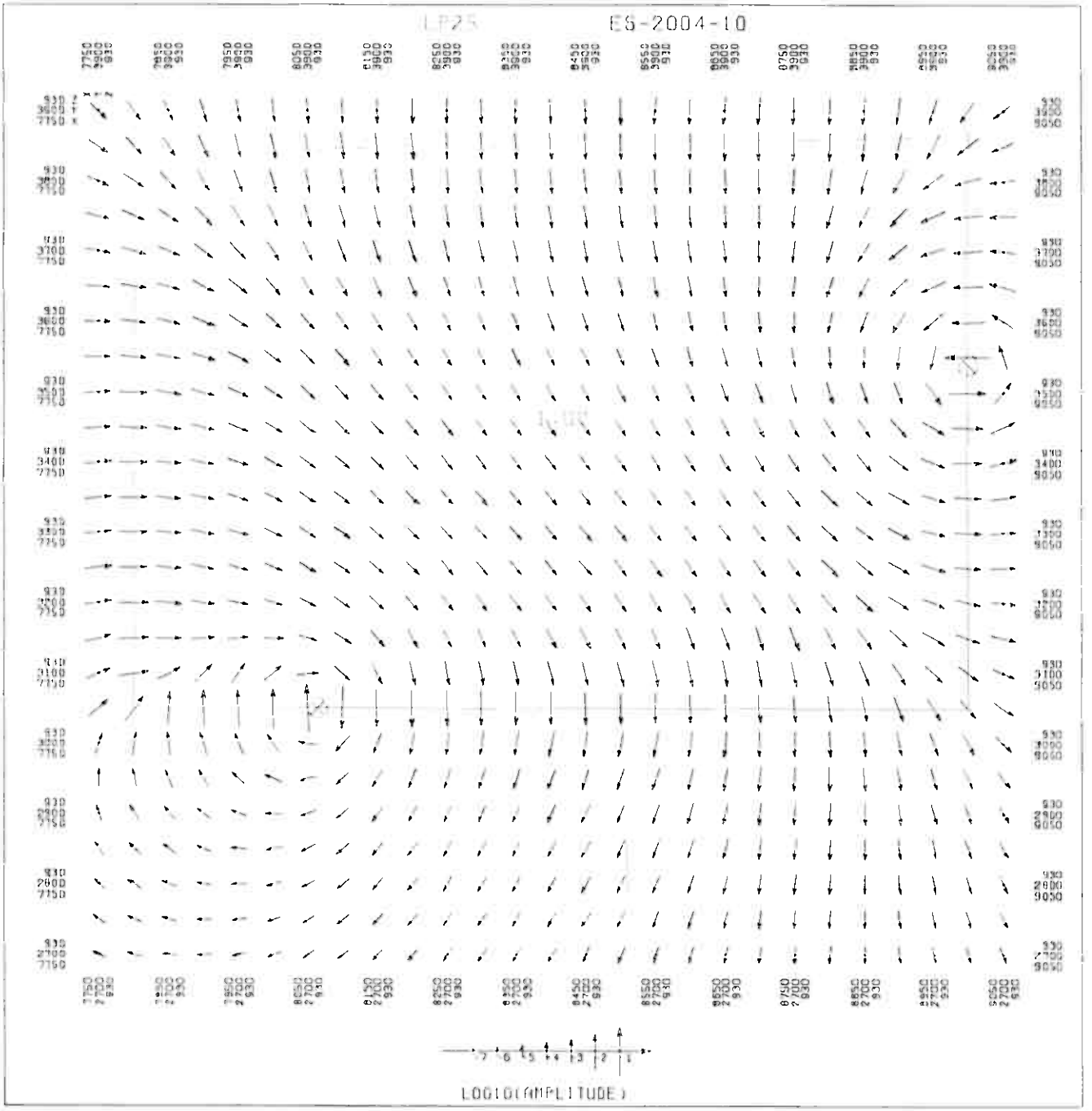
ES2004-10

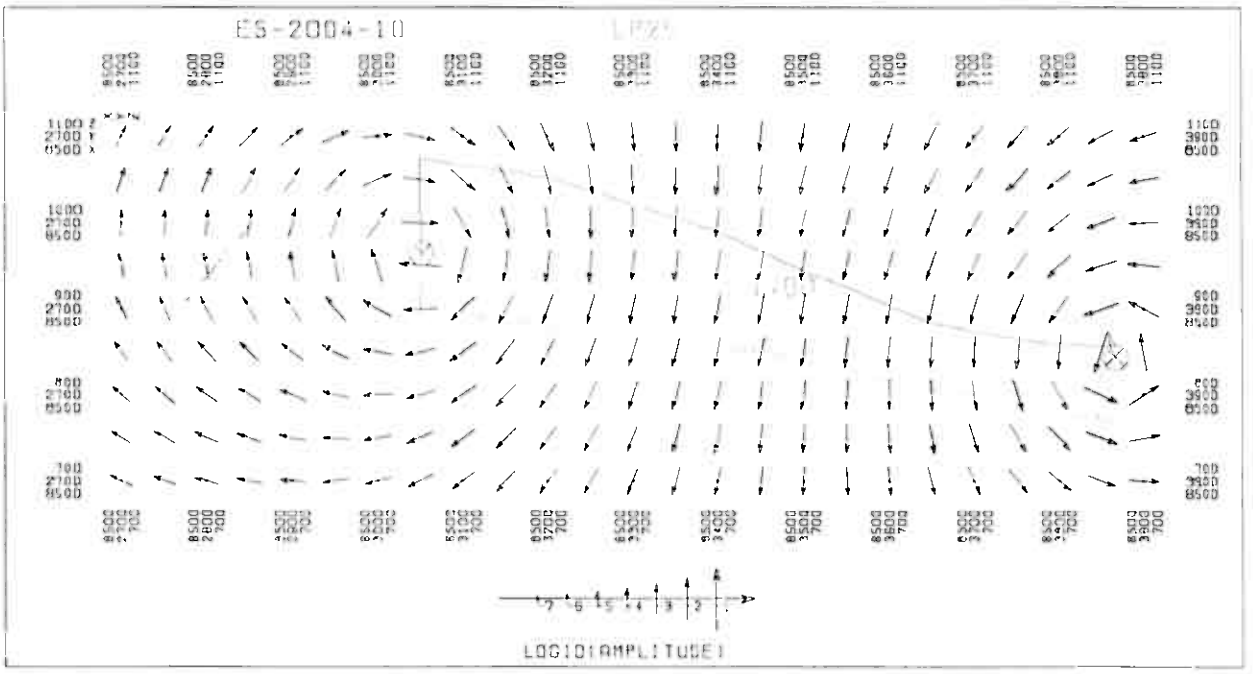
3-axis plot
total field plot
plan vectorplot
gridnorth-south section vectorplot

ES2004-10



Loop: 25	Secondary, (Chn - Ch1)/IHpI	BHUTEM Survey at: Espedalen
Hole: ES-2004-10	Contin. Norm at depth of 0 m	For: A/S Sulfidmalm
Compt: Axial	Base Freq. 3.251 Hz	LAMONTAGNE GEOPHYSICS LTD / GEOPHYSIQUE LTEE — Job 0511 — Surveyed 4/3/5, Reduced 10/3/5, Plotted 11/4/5


ES-2004-10
LOG10(AMPLITUDE)


ES-2004-10
LOG(DIAMPLITUDE)

Grahoa

Loop B16 - BH UTEM-3

@3.251 Hz frequency

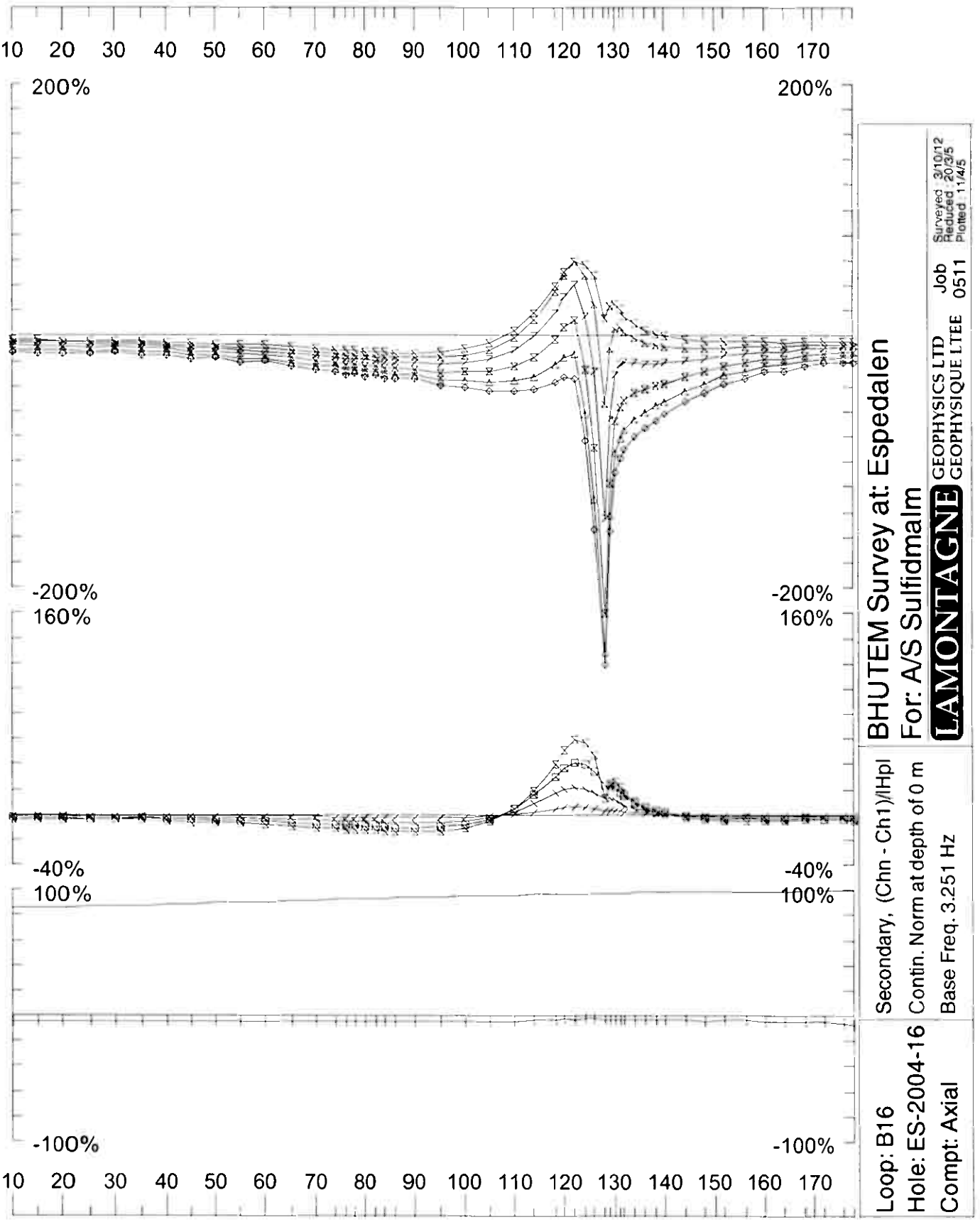
Ch1 reduced

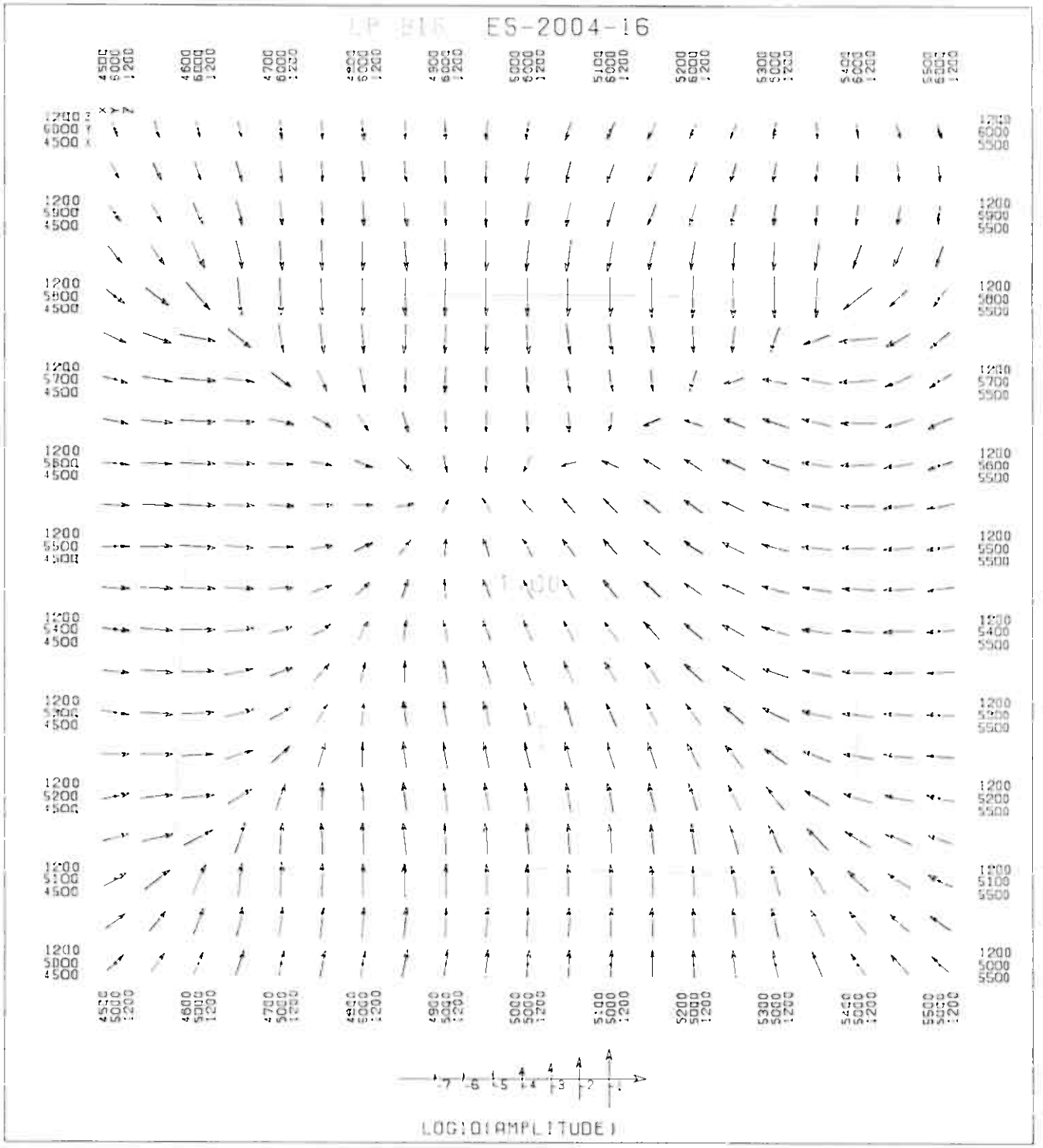
Grahoa:	ES2004-16	178m	179.5m	Loop B16	3.251Hz

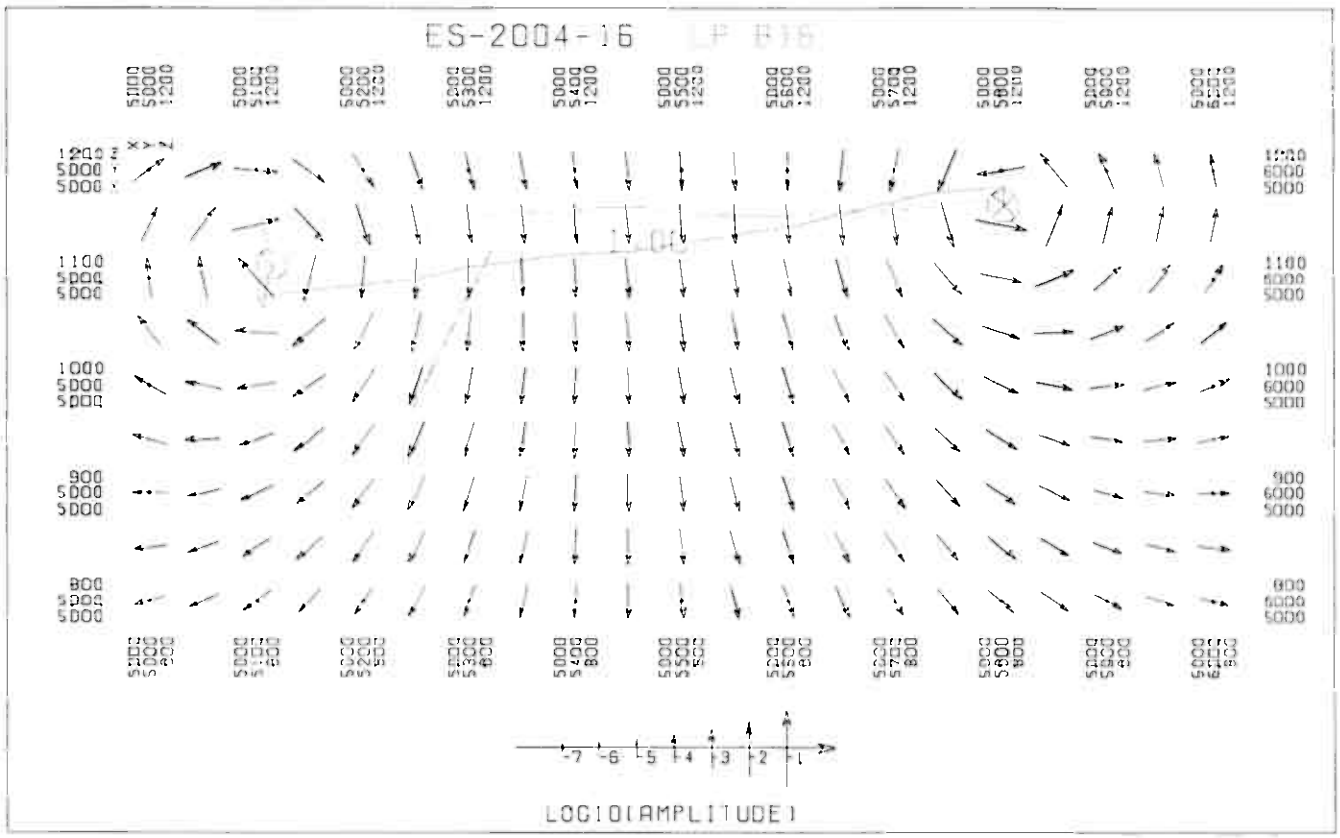
ES2004-16

3-axis plot
total field plot
plan vectorplot
gridnorth-south section vectorplot

ES2004-16


10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170
200%
200%
-200%
160%
-200%
160%
-40%
100%
-40%
100%
-100%
-100%
10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170
BHUTEM Survey at: Espedalen
For: A/S Sulfidmalm
LAMONTAGNE
GEOPHYSICS LTD
GEOPHYSIQUE LTEE
Job
0511
Surveyed : 3/10/12
Reduced : 20/3/5
Plotted : 11/4/5
Secondary, (Chn - Ch1)/Hpl
Contin. Norm at depth of 0 m
Base Freq. 3.251 Hz
Loop: B16
Hole: ES-2004-16
Compt: Axial


ES-2004-16
LOG10(AMPLITUDE)


ES-2004-16
LOG10(AMPLITUDE)

Stylskampen

Loop B17 - BH UTEM-3

@3.251 Hz frequency

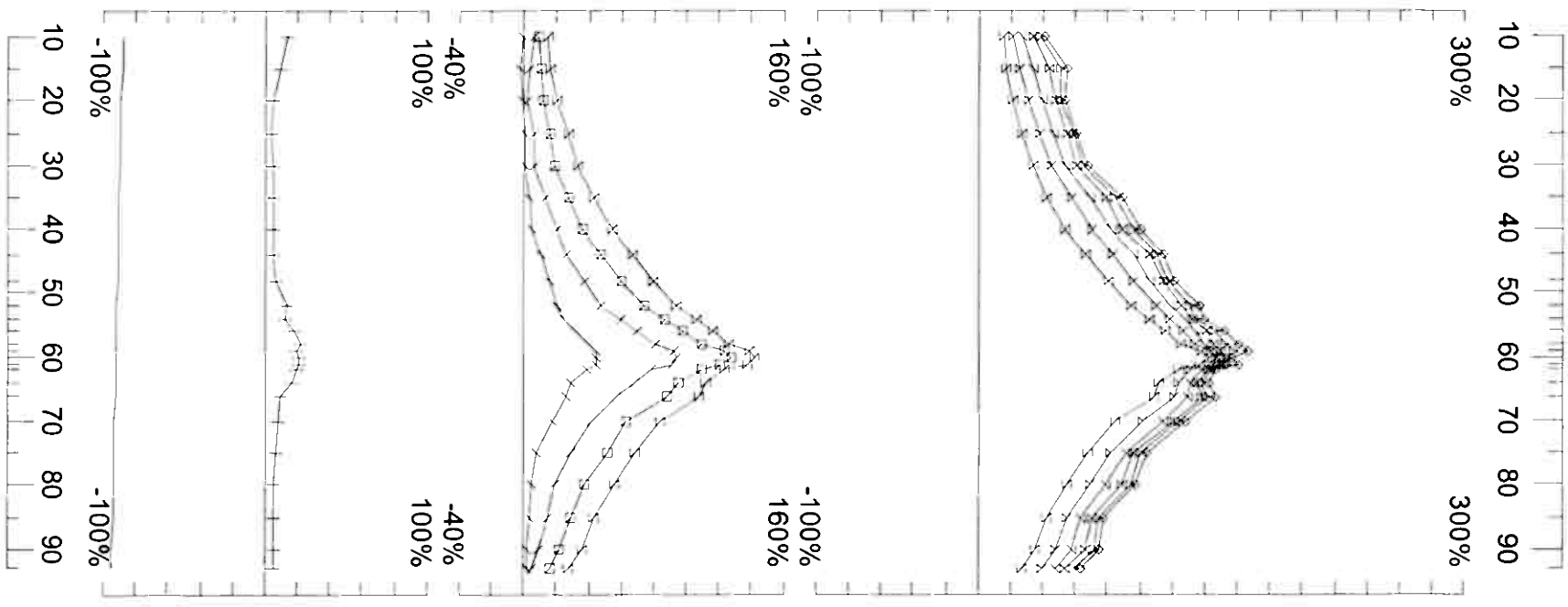
Ch1 reduced

Stylskampen:	ES2004-17	93m	93m	Loop B17	3.251Hz

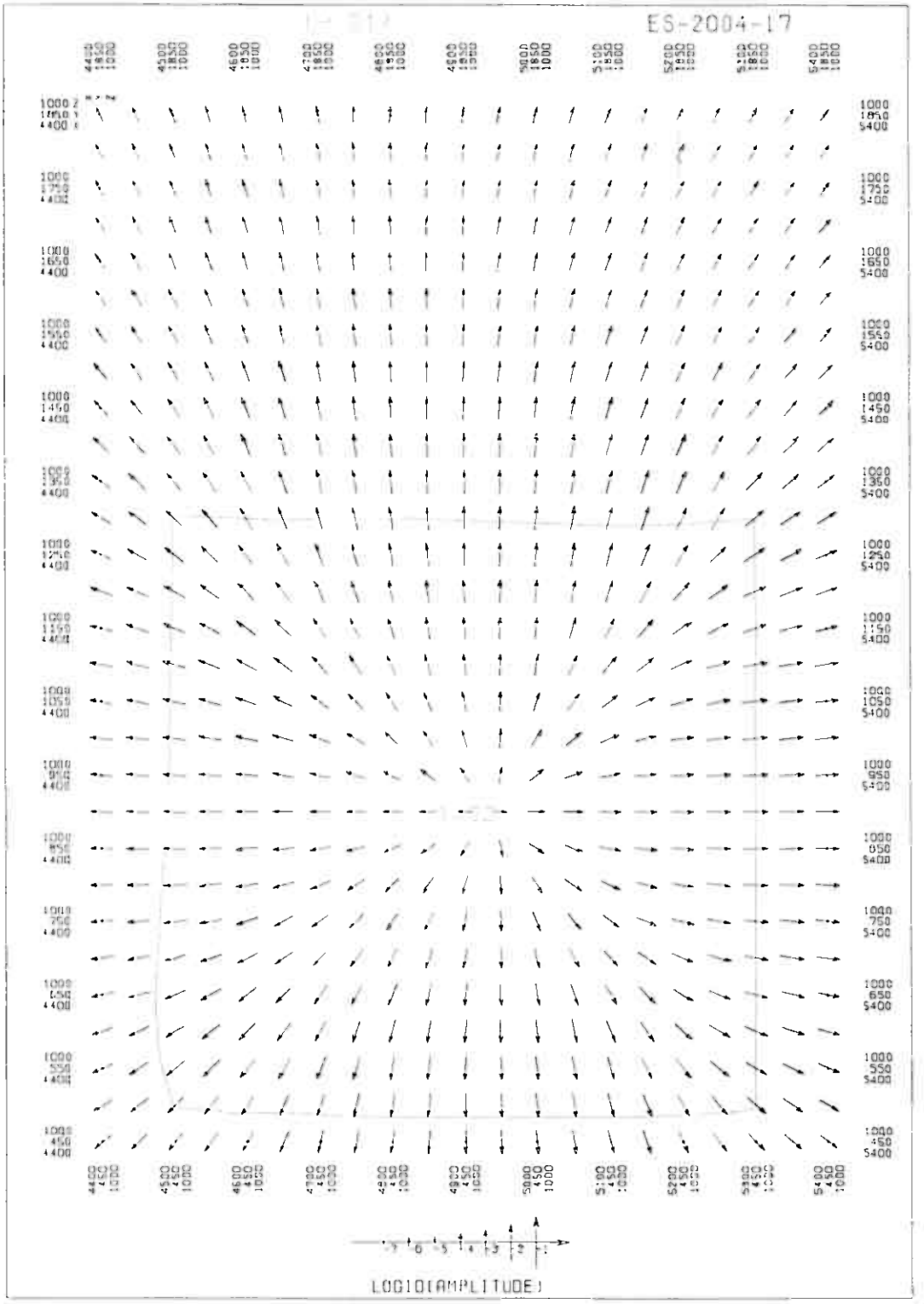
ES2004-17

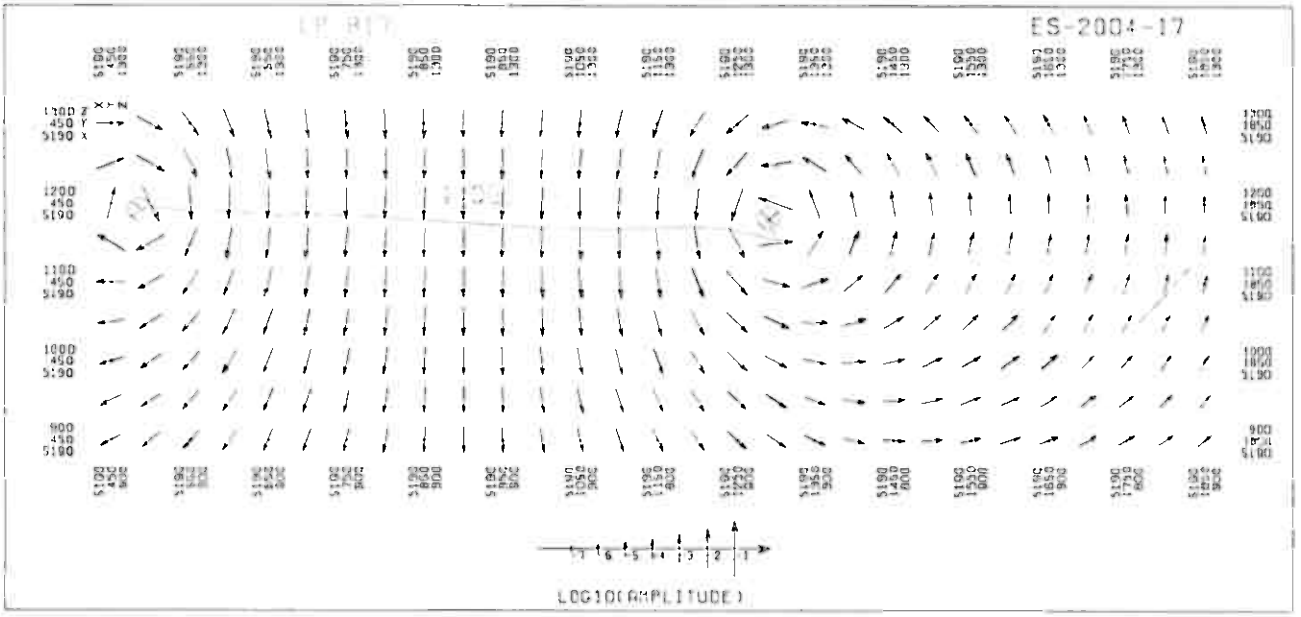
3-axis plot
total field plot
plan vectorplot
gridnorth-south section vectorplot

ES2004-17



Loop: B17	Secondary, (Chn - Ch1)/IHpl	BHUTEM Survey at: Espedalen
Hole: ES-2004-17	Contin. Norm at depth of 0 m	For: A/S Sulfidmalm
Compt: Axial	Base Freq. 3.251 Hz	LAMONTAGNE GEOPHYSICS LTD / GEOPHYSIQUE LTEE — Job 0511 — Surveyed : 21/3/5, Reduced : 21/3/5, Plotted : 11/4/5


ES-2004-17
LOG10(AMPLITUDE)


ES-2004-17
LOG10(AMPLITUDE)

APPENDIX G

Appendix G

2005 In-house UTEM Maxwell Modelling - Stormyra

Espedalen Project, Oppland Province, Norway

Anthony Watts, Falconbridge Limited for Sulfidmalm A/S

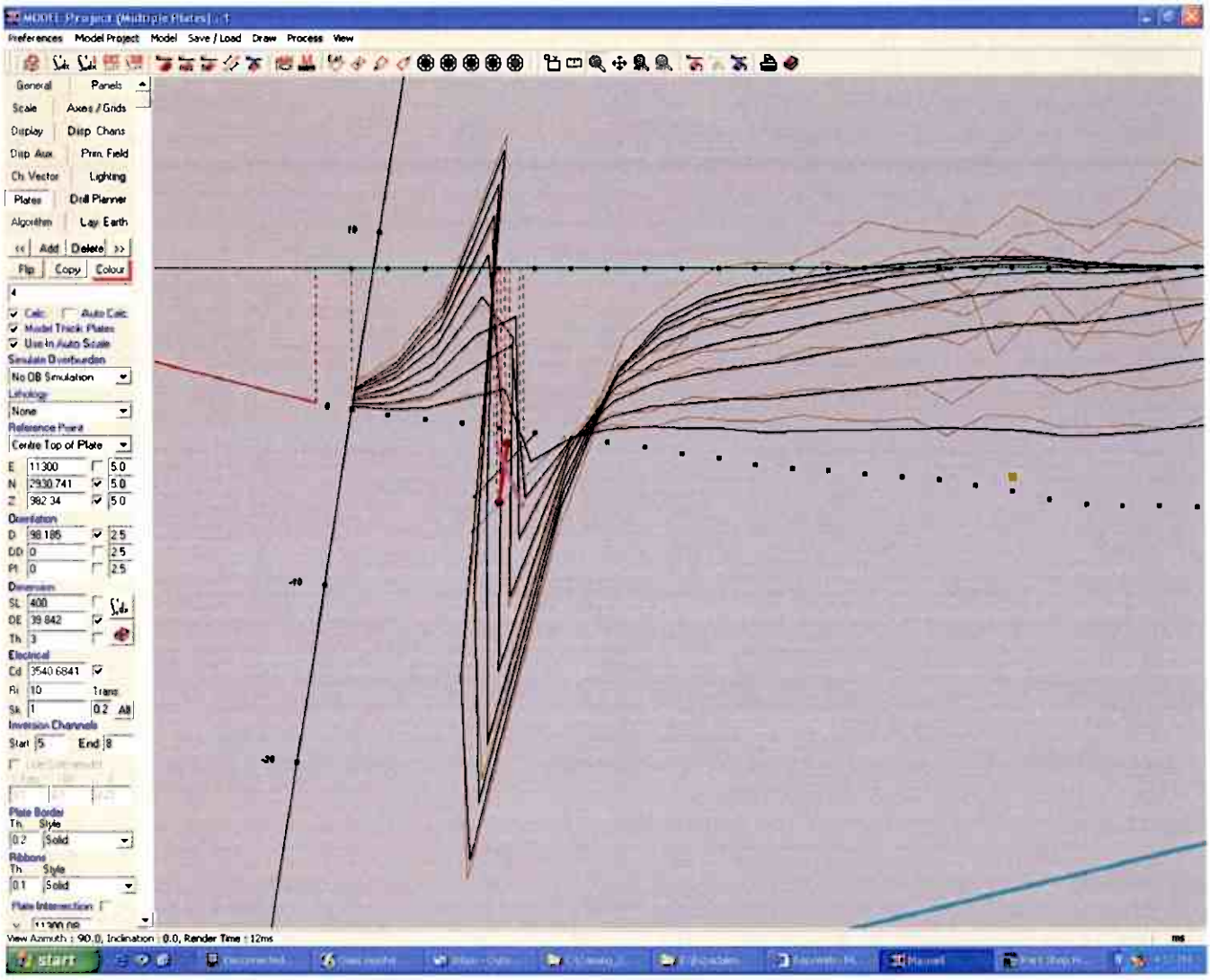


Figure 1: Maxwell Model for Line 11300E

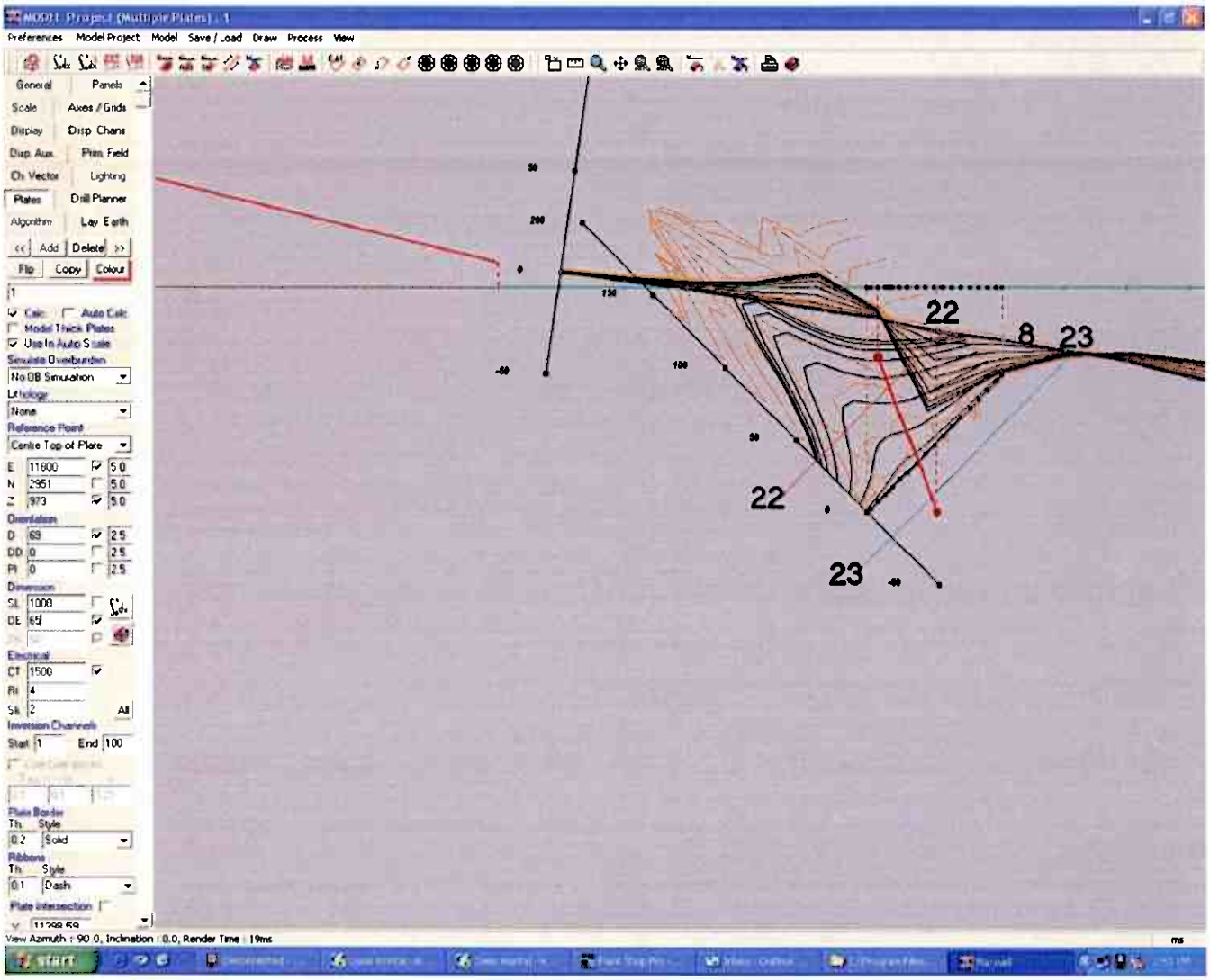


Figure 2: Maxwell Model for Line 11400E

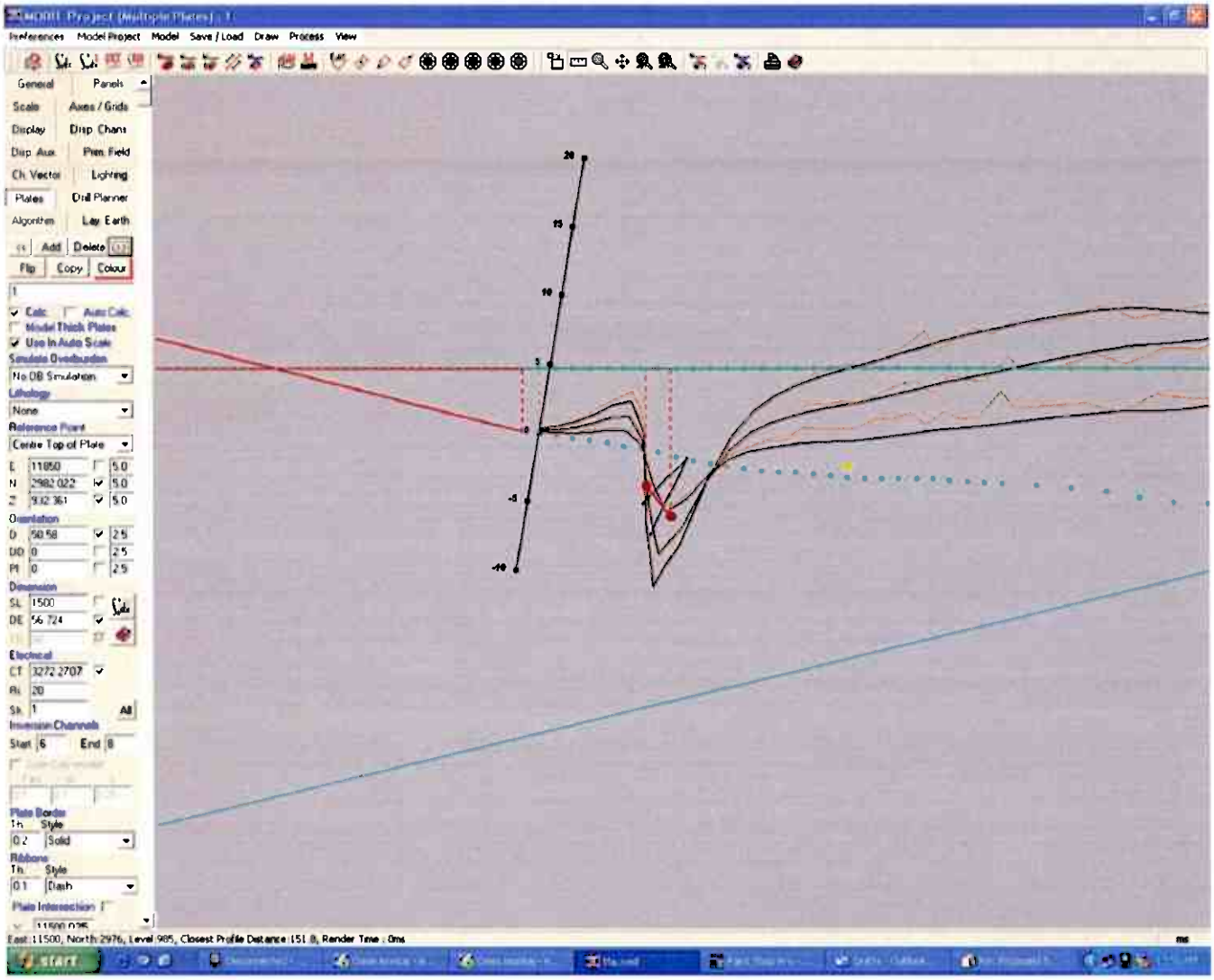


Figure 3: Maxwell Model for Line 11500E

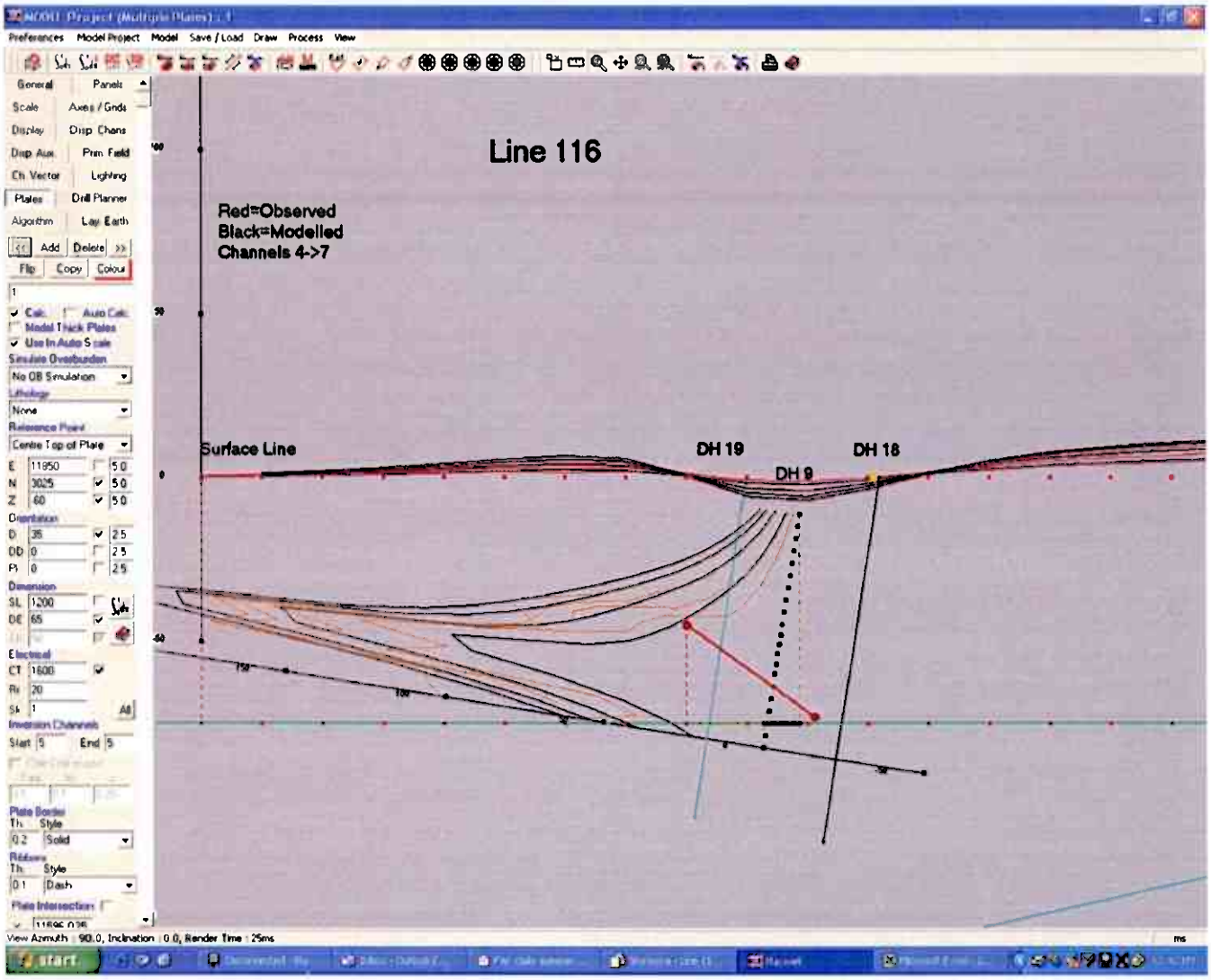


Figure 4: Maxwell Model for Line 11600E

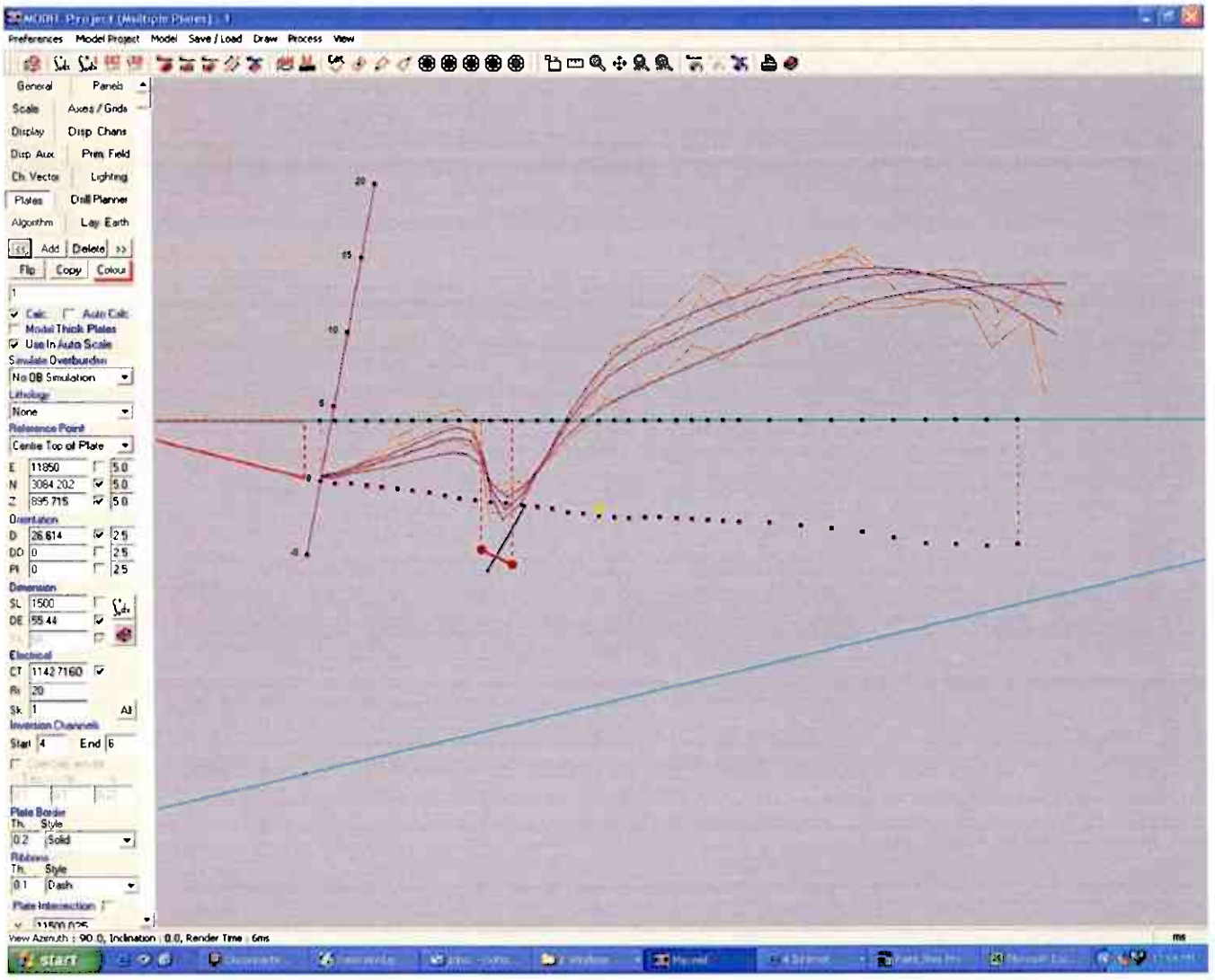


Figure 5: Maxwell Model for Line 11700E

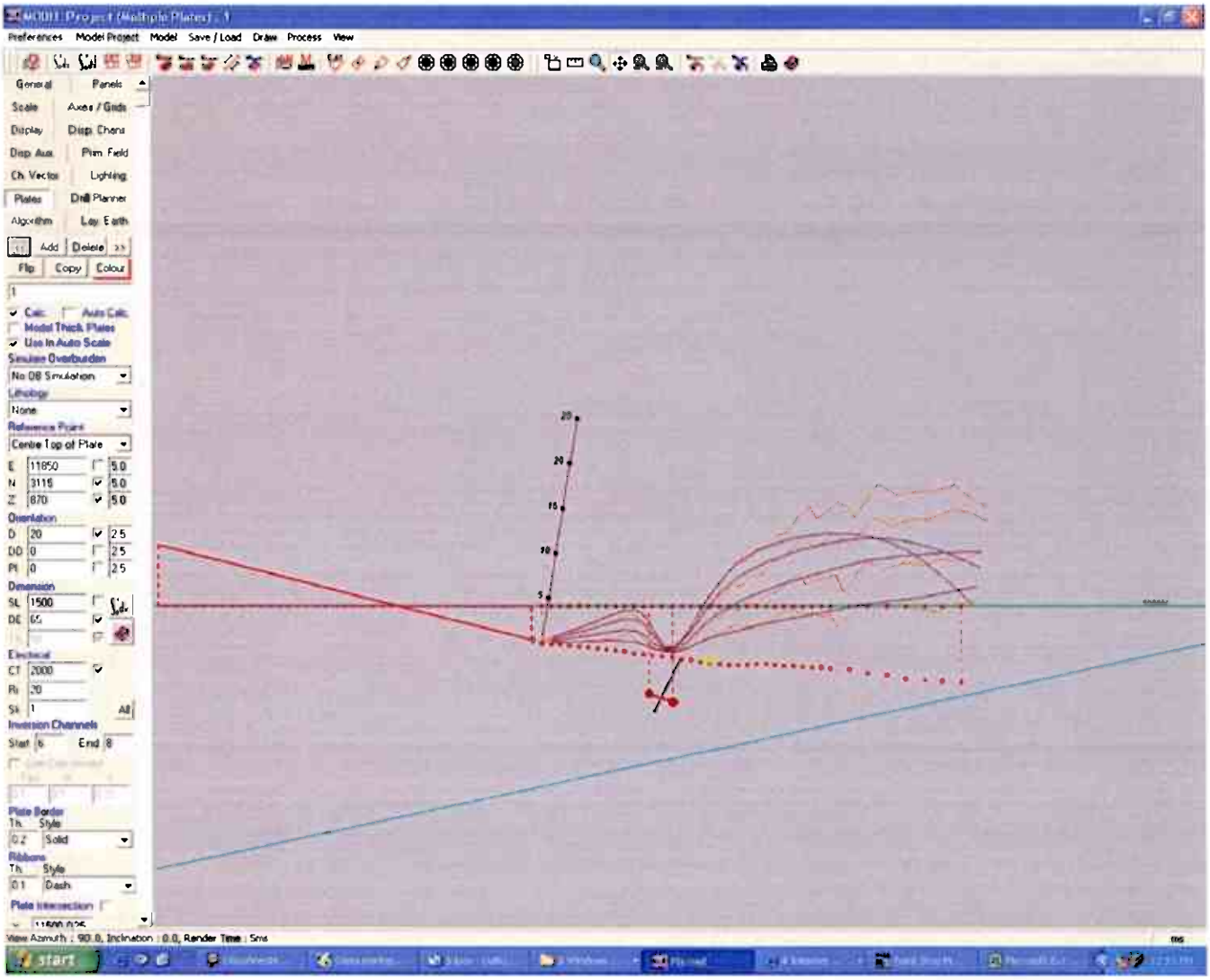


Figure 6: Maxwell Model for Line 11800E

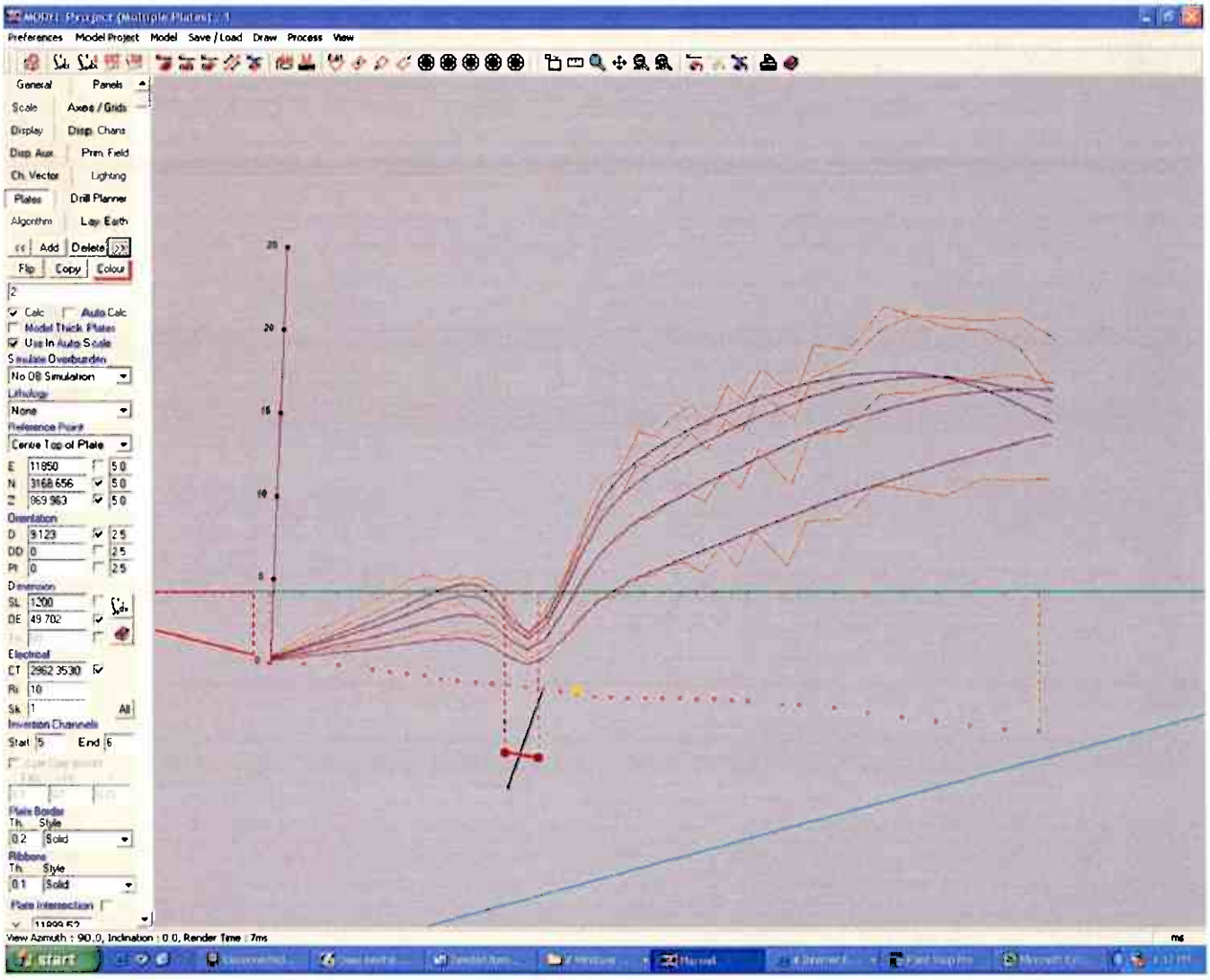


Figure 7: Maxwell Model for Line 11900E

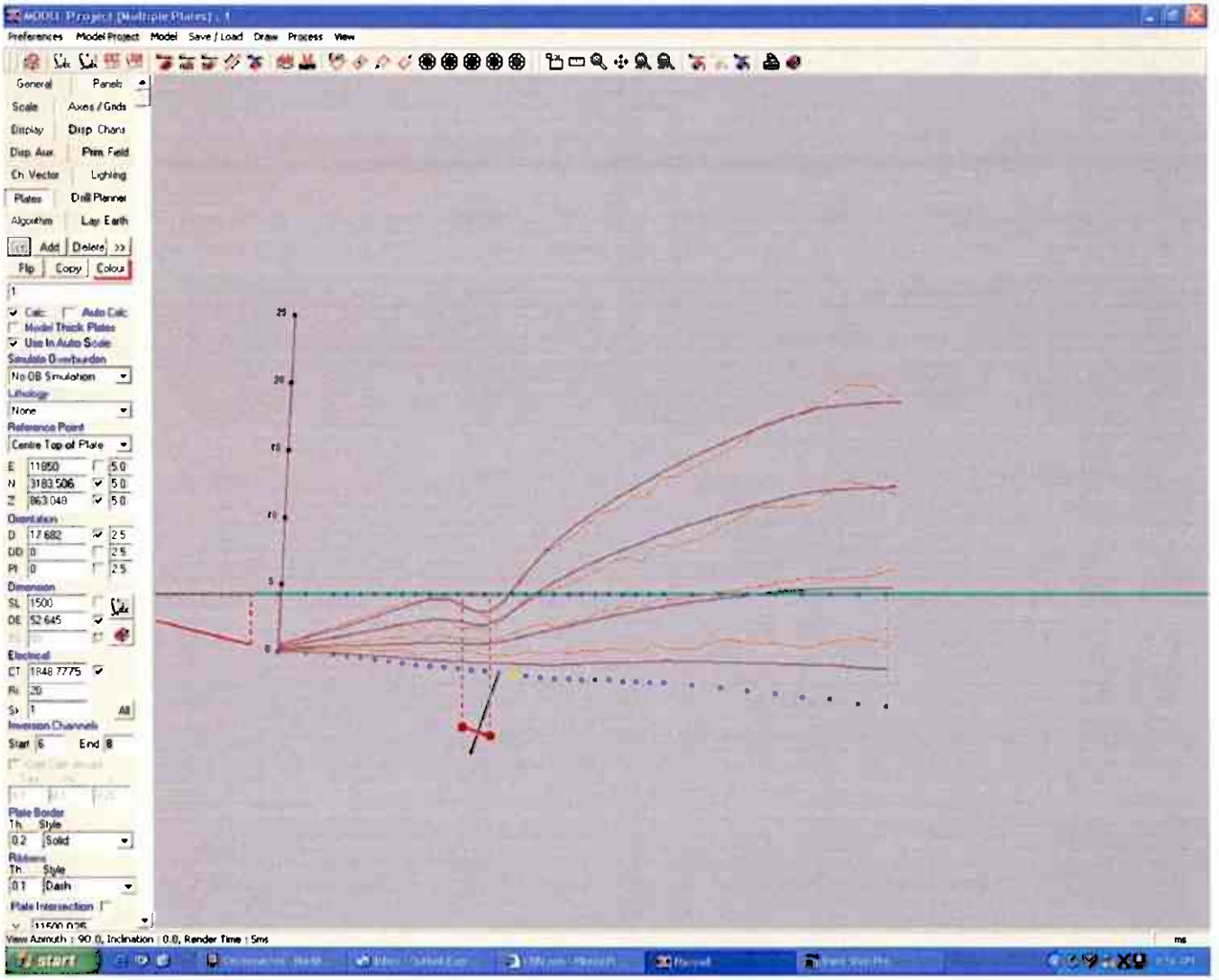


Figure 8: Maxwell Model for Line 12000E

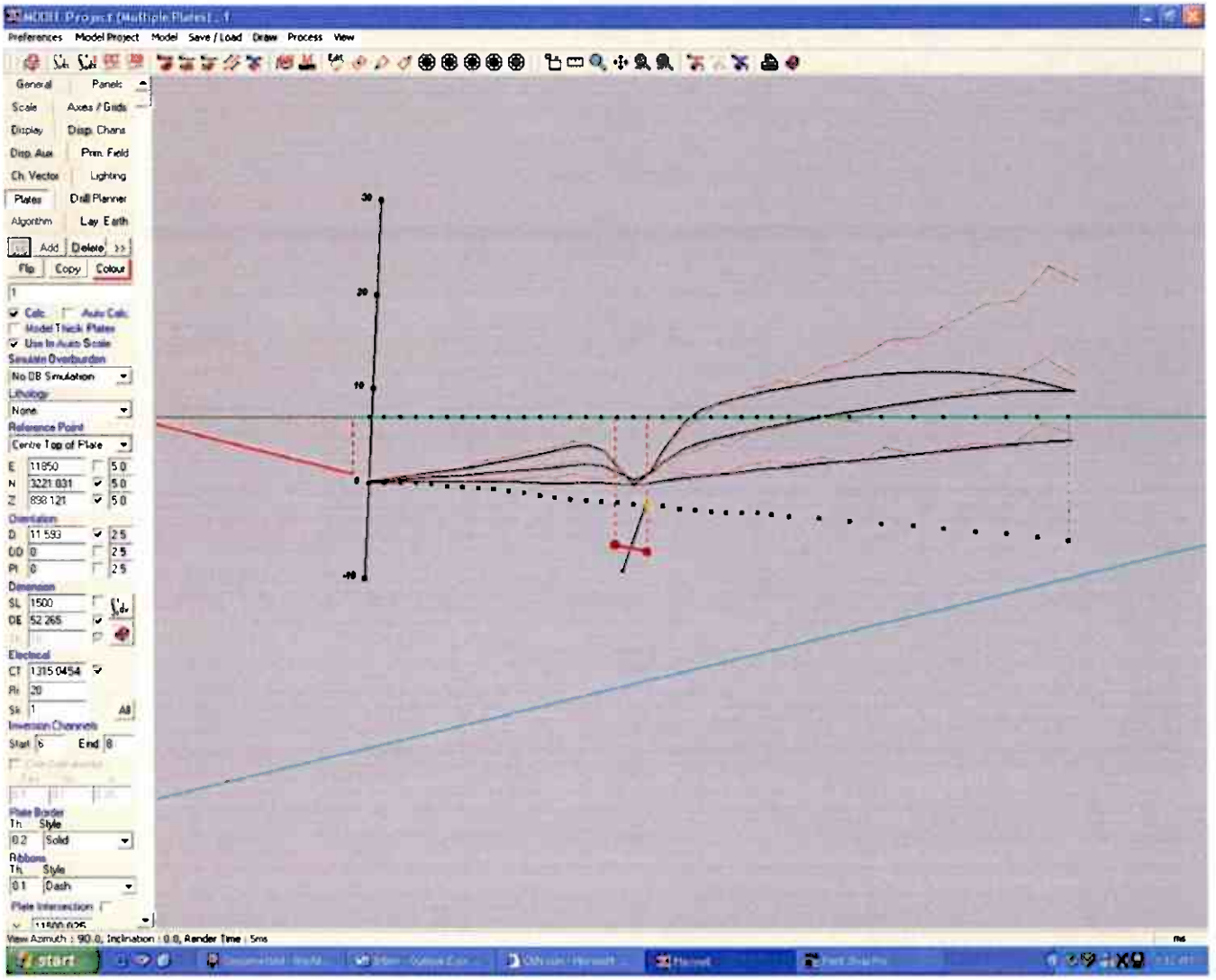


Figure 9: Maxwell Model for Line 12100E

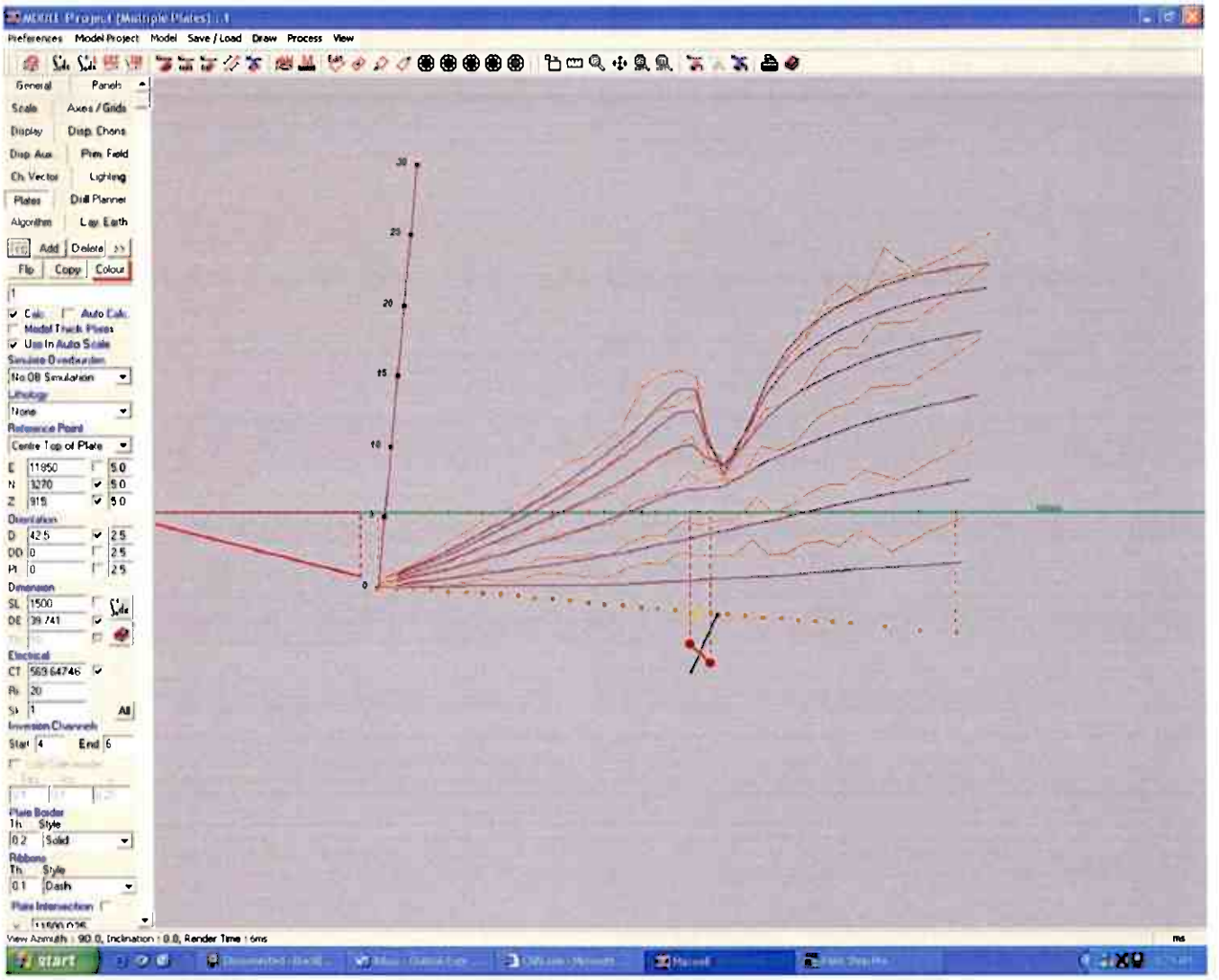


Figure 10: Maxwell Model for Line 12200E

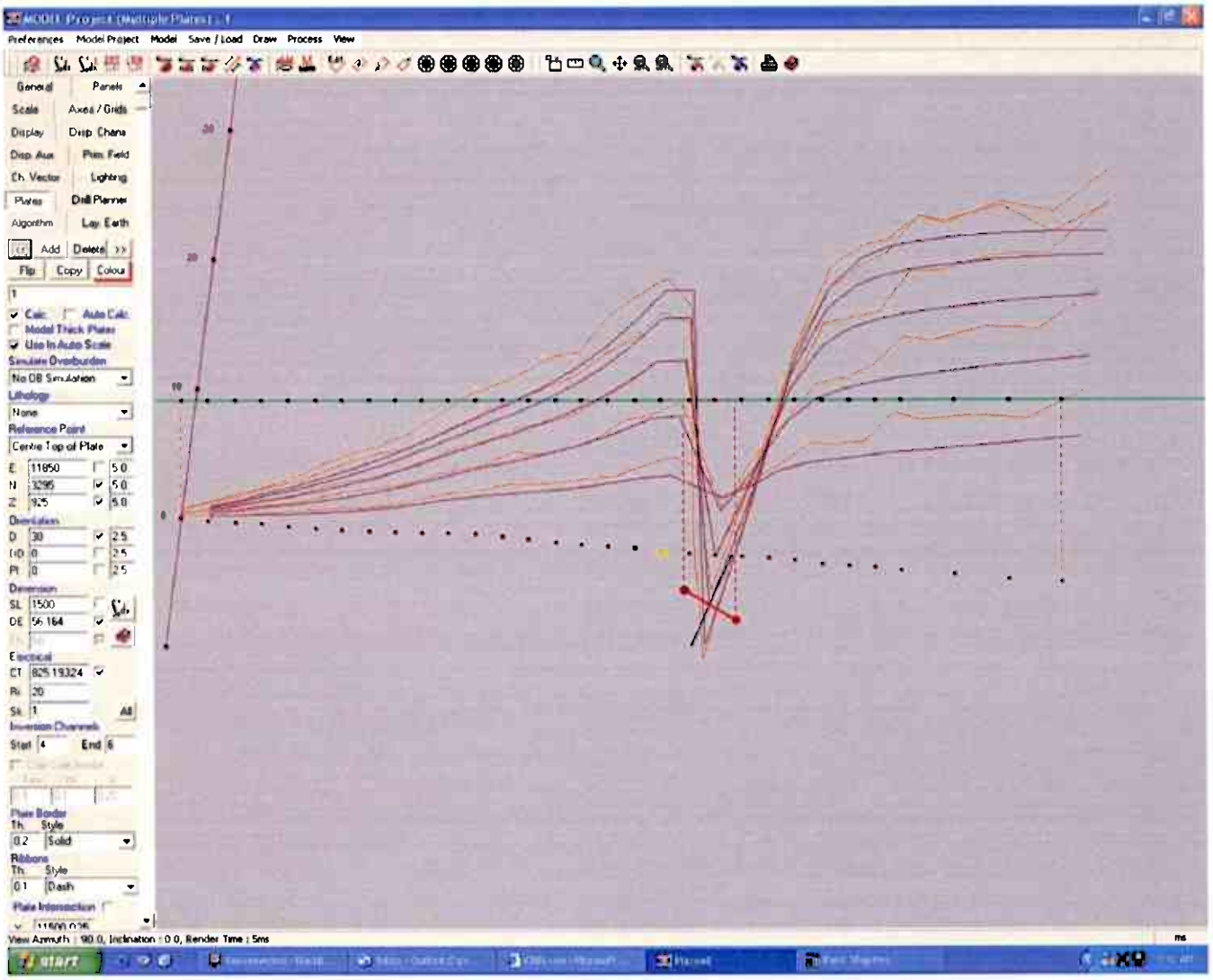


Figure 11: Maxwell Model for Line 12300E

APPENDIX H

Deviation Survey Report

Espedalen, Sør-Fron
NORWAY

25-26. April 2005

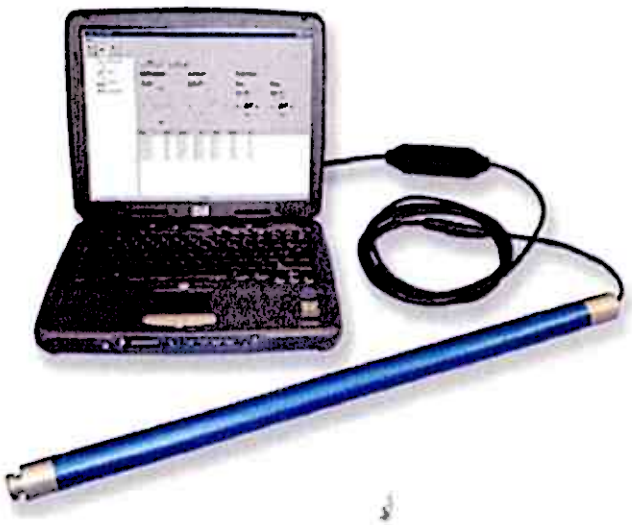
Deviation Survey Report

Report title: Deviation survey Espedalen 25-26 April 2005	**Date:** 27.04.2005
	Pages: 37
	Project number:
Client: Noranda Inc / Falconbridge Limited	**Client ref:** Trevor Blair
Responsible: Viktor Tokle, Nils Andreas Eggen	**Author:** Nils Andreas Eggen

Instruments, deviation controll
The tool used was a DeviTool EMS (Electronic multi shot).
The tool record information from 3D- magnetometers and accelerometers to define magnetic azimuth and inclination of the borehole. All data are stored electronically in the tool ready to be downloaded into a hand held terminal or computer. The hand held terminal gives you on-site raw data as well as local corinates of the hole. Survey results can be exported into DeviSoft for easy presentation, interpretation and reporting. The DeviTool EMS is an all angle survey tool with a flexible approach to most open hole requirements.

Technical specifications
Weight: 2.4kg/5.29lb with batteries
Diameter: 30mm/1.18"
Length: 975mm/38.39"
Battery capacity: . 5000 measures
Internal memory: 1984 measures
Temperature: -15/+75°C, 5/167°F
Pressure: require use of running gear.
Inclination range: 0°-180°

Accuracy:
Inclination: ±0.2°
Azimuth: ±1°



Devico AS Box 206 N-7224 Melhus Norway – Phone: +47 72 87 01 01 – Fax: +47 72 87 01 11
E-mail: devico@devico.no – Web: www.devico.no – Bankgiro: 4230 06 81675 – Foretaksregisteret: NO947402633MVA

Summary
Deviation survey was ordered to controll 16 boreholes, drilled in Espedalen.
Length: 61-155m

The field work is done by Nils A. Eggen with a DeviTool EMS instrument.

Azimuth values are corrected to filter out abnormal values due to magnetic influence.

Magnetic declination is set to 0°.

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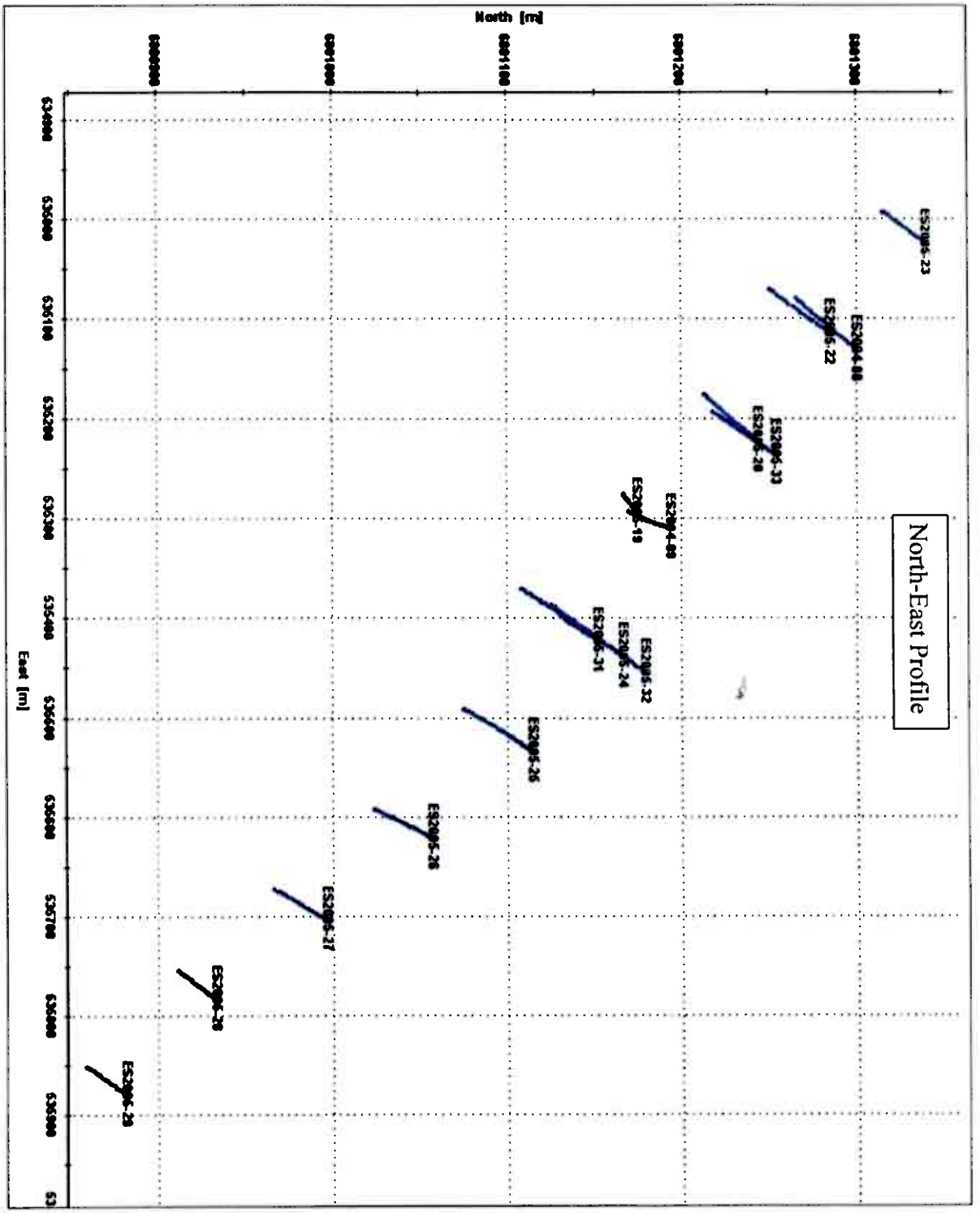
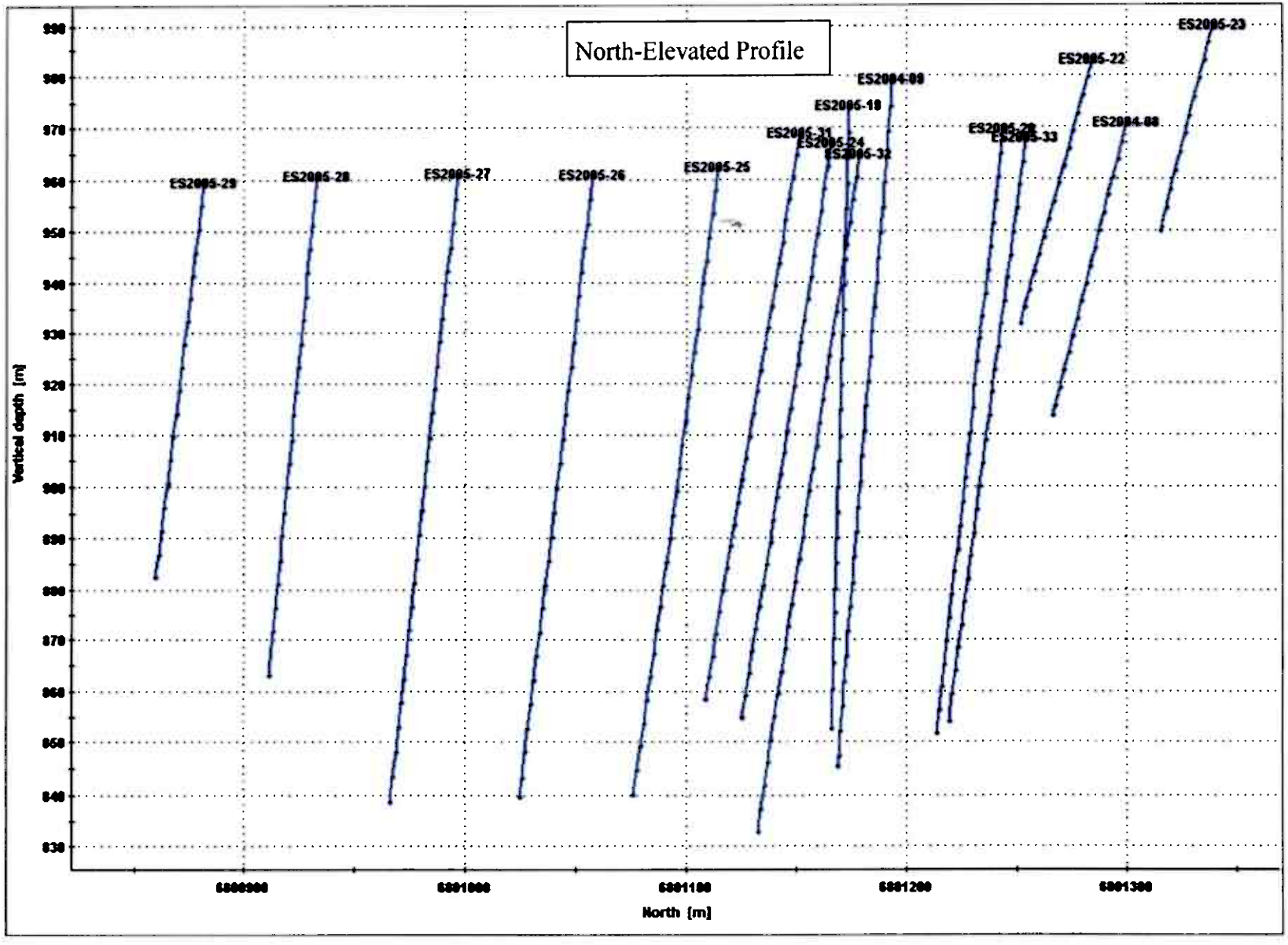
E-mail: devico@devico.no – Web: www.devico.no – Bankgiro: 4230 06 81675 – Foretaksregisteret: NO947402633MVA

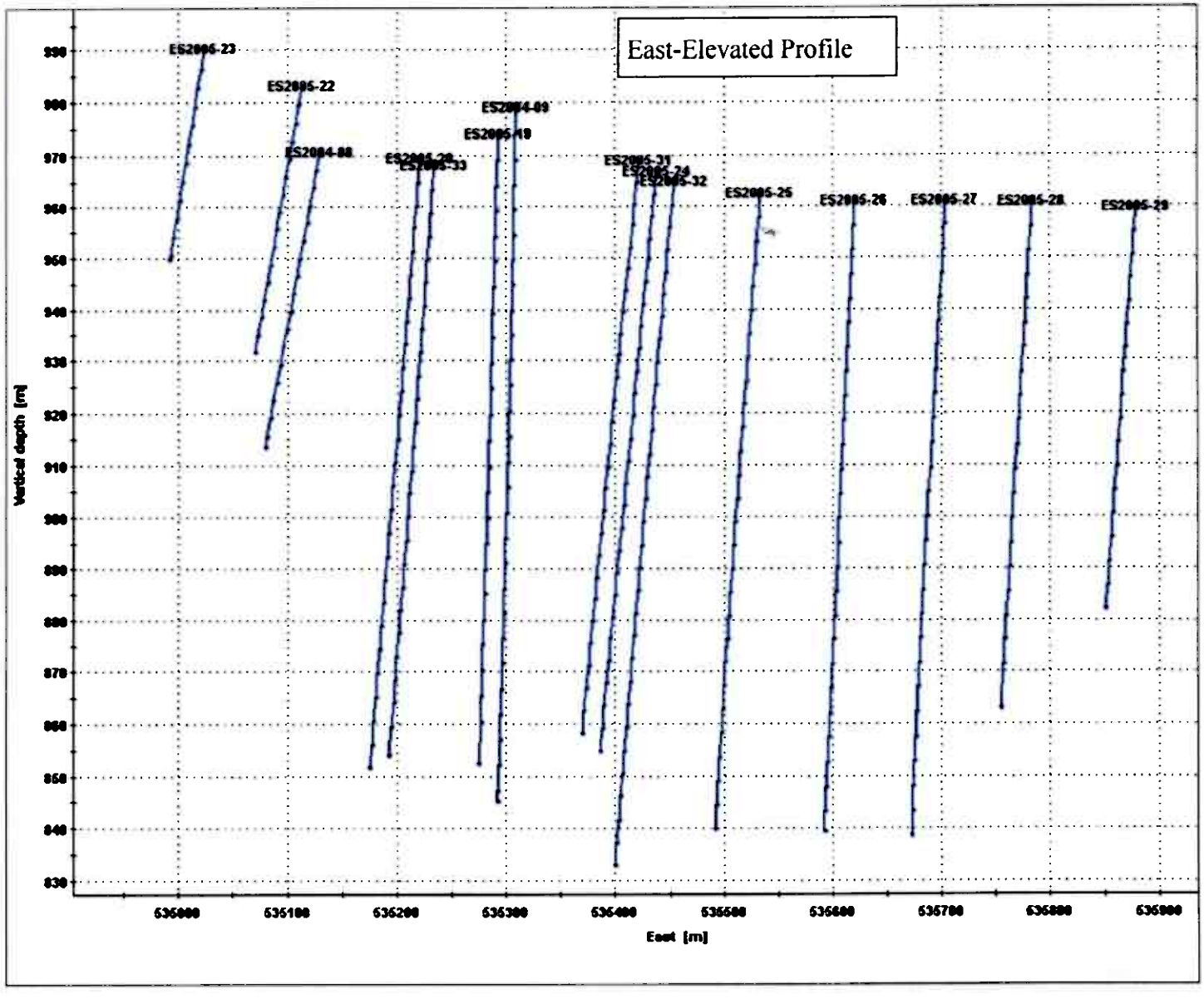
Overview



Devico AS Box 206 N-7224 Melhus Norway – Phone: +47 72 87 01 01 – Fax: +47 72 87 01 11
E-mail: devico@devico.no – Web: www.devico.no – Bankgiro: 4230 06 81675 – Foretaksregisteret: NO947402633MVA



Devico AS Box 206 N-7224 Melhus Norway – Phone: +47 72 87 01 01 – Fax: +47 72 87 01 11
E-mail: devico@devico.no – Web: www.devico.no – Bankgiro: 4230 06 81675 – Foretaksregisteret: NO947402633MVA



Devico AS Box 206 N-7224 Melhus Norway – Phone: +47 72 87 01 01 – Fax: +47 72 87 01 11
E-mail: devico@devico.no – Web: www.devico.no – Bankgiro: 4230 06 81675 – Foretaksregisteret: NO947402633MVA

Client: Falconbridge
Project: Espedalen
Hole: ES2005-23 (ind.: 1)

Notes: 230,-45,61
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	232,77	-44,83	6 801 339,330	535 023,100	990,060
5,00	232,77	-44,97	6 801 337,187	535 020,280	986,531
10,00	232,74	-45,03	6 801 335,047	535 017,466	982,995
15,00	232,45	-45,18	6 801 332,904	535 014,662	979,453
20,00	232,34	-45,28	6 801 330,755	535 011,873	975,903
25,00	232,45	-45,42	6 801 328,611	535 009,089	972,346
30,00	232,30	-45,65	6 801 326,473	535 006,315	968,778
35,00	232,47	-45,85	6 801 324,343	535 003,551	965,196
40,00	232,33	-46,07	6 801 322,223	535 000,797	961,602
45,00	232,58	-46,42	6 801 320,115	534 998,055	957,991
50,00	232,55	-46,83	6 801 318,028	534 995,329	954,356
55,00	232,51	-47,20	6 801 315,954	534 992,623	950,699
59,00	232,70	-47,23	6 801 314,304	534 990,465	947,763

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

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E-mail: devico@devico.no – Web: www.devico.no – Bankgiro: 4230 06 81675 – Foretaksregisteret: NO947402633MVA

Client: Falconbridge
Project: Espedalen
Hole: ES2005-23 (ind.: 1)

Notes: 230,-45,61
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,130	-0,112	0,006	0,171	0,034
10,00	0,263	-0,218	0,006	0,341	0,034
15,00	0,392	-0,313	0,000	0,501	0,033
20,00	0,515	-0,394	-0,014	0,649	0,032
25,00	0,644	-0,469	-0,036	0,798	0,032
30,00	0,778	-0,535	-0,069	0,947	0,032
35,00	0,922	-0,590	-0,115	1,100	0,031
40,00	1,073	-0,636	-0,174	1,260	0,031
45,00	1,239	-0,669	-0,250	1,430	0,032
50,00	1,424	-0,687	-0,348	1,619	0,032
55,00	1,623	-0,685	-0,470	1,823	0,033
59,00	1,791	-0,677	-0,578	2,000	0,034

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

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Client: Falconbridge
Project: Espedalen
Hole: ES2005-22 (ind.: 2)

Notes: 230,-45,78
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	233,20	-43,65	6 801 284,540	535 113,220	983,150
5,00	233,20	-43,36	6 801 282,368	535 110,316	979,708
10,00	232,83	-43,35	6 801 280,180	535 107,412	976,275
15,00	232,73	-43,30	6 801 277,980	535 104,515	972,845
20,00	232,67	-43,20	6 801 275,773	535 101,619	969,419
25,00	232,67	-43,26	6 801 273,564	535 098,722	965,994
30,00	232,67	-43,24	6 801 271,356	535 095,826	962,568
35,00	232,51	-43,18	6 801 269,142	535 092,931	959,145
40,00	232,15	-43,18	6 801 266,914	535 090,046	955,723
45,00	231,86	-43,15	6 801 264,669	535 087,171	952,303
50,00	231,87	-43,27	6 801 262,418	535 084,305	948,879
55,00	232,10	-43,38	6 801 260,178	535 081,439	945,449
60,00	232,47	-43,55	6 801 257,958	535 078,569	942,009
65,00	232,62	-43,57	6 801 255,755	535 075,692	938,563
70,00	233,29	-43,72	6 801 253,575	535 072,804	935,112
75,00	233,50	-43,80	6 801 251,422	535 069,905	931,654

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-22 (ind.: 2)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,100	-0,196	0,093	0,239	0,048
10,00	0,186	-0,391	0,196	0,475	0,048
15,00	0,258	-0,579	0,301	0,702	0,047
20,00	0,324	-0,768	0,411	0,929	0,046
25,00	0,387	-0,956	0,522	1,156	0,046
30,00	0,451	-1,144	0,631	1,382	0,046
35,00	0,510	-1,330	0,743	1,607	0,046
40,00	0,555	-1,507	0,857	1,821	0,046
45,00	0,582	-1,673	0,972	2,021	0,045
50,00	0,604	-1,831	1,085	2,212	0,044
55,00	0,637	-1,989	1,189	2,403	0,044
60,00	0,689	-2,151	1,285	2,599	0,043
65,00	0,759	-2,319	1,375	2,801	0,043
70,00	0,852	-2,498	1,460	3,016	0,043
75,00	0,971	-2,689	1,537	3,246	0,043

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2004-08 (ind.: 3)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	234,75	-43,95	6 801 300,030	535 129,160	970,740
5,00	234,75	-43,43	6 801 297,943	535 126,207	967,286
10,00	235,28	-43,51	6 801 295,863	535 123,235	963,846
15,00	235,42	-43,48	6 801 293,801	535 120,251	960,405
20,00	235,06	-43,76	6 801 291,737	535 117,277	956,956
25,00	235,59	-43,91	6 801 289,685	535 114,311	953,493
30,00	236,49	-43,66	6 801 287,669	535 111,317	950,033
35,00	235,90	-43,55	6 801 285,654	535 108,309	946,584
40,00	235,10	-43,49	6 801 283,601	535 105,321	943,141
45,00	236,59	-43,52	6 801 281,565	535 102,320	939,699
50,00	237,13	-43,47	6 801 279,582	535 099,283	936,258
55,00	235,29	-43,32	6 801 277,561	535 096,263	932,822
60,00	237,71	-43,33	6 801 275,554	535 093,231	929,391
65,00	237,57	-43,31	6 801 273,607	535 090,158	925,961
70,00	236,65	-43,25	6 801 271,630	535 087,101	922,533
75,00	238,01	-43,21	6 801 269,664	535 084,035	919,108
80,00	238,32	-43,05	6 801 267,739	535 080,935	915,690
83,00	238,40	-43,00	6 801 266,589	535 079,068	913,643

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

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Client: Falconbridge
Project: Espedalen
Hole: ES2004-08 (ind.: 3)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,186	-0,244	0,082	0,318	0,064
10,00	0,378	-0,509	0,177	0,658	0,066
15,00	0,588	-0,784	0,271	1,017	0,068
20,00	0,797	-1,050	0,358	1,366	0,068
25,00	1,018	-1,307	0,430	1,712	0,068
30,00	1,274	-1,593	0,506	2,102	0,070
35,00	1,532	-1,893	0,593	2,507	0,072
40,00	1,751	-2,172	0,686	2,874	0,072
45,00	1,988	-2,465	0,779	3,261	0,072
50,00	2,278	-2,794	0,873	3,709	0,074
55,00	2,530	-3,105	0,973	4,121	0,075
60,00	2,795	-3,429	1,078	4,553	0,076
65,00	3,121	-3,793	1,183	5,052	0,078
70,00	3,417	-4,141	1,291	5,522	0,079
75,00	3,723	-4,500	1,401	6,006	0,080
80,00	4,071	-4,891	1,519	6,542	0,082
83,00	4,284	-5,133	1,593	6,873	0,083

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-33 (ind.: 4)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	226,58	-65,18	6 801 254,168	535 233,388	967,981
5,00	226,58	-65,18	6 801 252,725	535 231,864	963,443
10,00	227,38	-65,08	6 801 251,291	535 230,326	958,907
15,00	227,83	-64,92	6 801 249,866	535 228,766	954,375
20,00	228,12	-64,80	6 801 248,444	535 227,188	949,849
25,00	228,27	-64,80	6 801 247,025	535 225,601	945,324
30,00	228,58	-64,82	6 801 245,613	535 224,009	940,800
35,00	228,72	-64,72	6 801 244,205	535 222,409	936,277
40,00	228,84	-64,70	6 801 242,797	535 220,802	931,756
45,00	229,03	-64,65	6 801 241,392	535 219,190	927,237
50,00	228,93	-64,69	6 801 239,988	535 217,576	922,717
55,00	229,16	-64,66	6 801 238,586	535 215,960	918,198
60,00	229,73	-64,71	6 801 237,196	535 214,336	913,678
65,00	230,49	-64,58	6 801 235,823	535 212,693	909,160
70,00	230,67	-64,59	6 801 234,461	535 211,035	904,644
75,00	230,65	-64,50	6 801 233,098	535 209,373	900,129
80,00	230,65	-64,51	6 801 231,734	535 207,709	895,616
85,00	230,57	-64,60	6 801 230,370	535 206,049	891,101
90,00	230,30	-64,55	6 801 229,003	535 204,394	886,585
95,00	230,17	-64,49	6 801 227,627	535 202,741	882,071
100,00	230,28	-64,41	6 801 226,248	535 201,083	877,560
105,00	230,11	-64,35	6 801 224,864	535 199,422	873,052
110,00	230,06	-64,32	6 801 223,474	535 197,761	868,545
115,00	229,83	-64,29	6 801 222,079	535 196,102	864,040
120,00	229,85	-64,31	6 801 220,681	535 194,445	859,534
126,00	229,80	-64,30	6 801 219,002	535 192,457	854,128

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-33 (ind.: 4)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	-0,002	-0,002	0,001	0,003	0,000
5,00	-0,086	0,092	-0,006	0,126	0,025
10,00	-0,163	0,174	-0,010	0,238	0,024
15,00	-0,229	0,232	-0,010	0,326	0,022
20,00	-0,293	0,273	-0,005	0,400	0,020
25,00	-0,354	0,304	0,002	0,467	0,019
30,00	-0,408	0,331	0,009	0,525	0,018
35,00	-0,457	0,350	0,018	0,576	0,016
40,00	-0,507	0,362	0,028	0,623	0,016
45,00	-0,553	0,368	0,041	0,666	0,015
50,00	-0,599	0,373	0,053	0,708	0,014
55,00	-0,643	0,376	0,065	0,748	0,014
60,00	-0,674	0,371	0,077	0,773	0,013
65,00	-0,689	0,346	0,090	0,777	0,012
70,00	-0,694	0,308	0,105	0,766	0,011
75,00	-0,698	0,264	0,122	0,756	0,010
80,00	-0,704	0,219	0,140	0,750	0,009
85,00	-0,709	0,177	0,157	0,747	0,009
90,00	-0,718	0,141	0,173	0,752	0,008
95,00	-0,736	0,106	0,191	0,767	0,008
100,00	-0,757	0,068	0,211	0,789	0,008
105,00	-0,783	0,026	0,234	0,817	0,008
110,00	-0,814	-0,017	0,259	0,854	0,008
115,00	-0,851	-0,057	0,285	0,899	0,008
120,00	-0,891	-0,096	0,311	0,949	0,008
126,00	-0,939	-0,141	0,342	1,010	0,008

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-20 (ind.: 5)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	235,25	-64,79	6 801 243,810	535 220,970	969,480
5,00	235,25	-64,72	6 801 242,595	535 219,218	964,958
10,00	235,26	-64,60	6 801 241,375	535 217,460	960,439
15,00	236,36	-64,55	6 801 240,169	535 215,684	955,923
20,00	236,67	-64,74	6 801 238,987	535 213,898	951,404
25,00	236,52	-64,77	6 801 237,813	535 212,118	946,882
30,00	236,59	-64,79	6 801 236,639	535 210,340	942,359
35,00	236,89	-64,89	6 801 235,473	535 208,563	937,833
40,00	237,68	-64,80	6 801 234,325	535 206,775	933,307
45,00	237,85	-64,85	6 801 233,190	535 204,976	928,782
50,00	237,51	-64,84	6 801 232,054	535 203,179	924,256
55,00	237,83	-64,97	6 801 230,920	535 201,388	919,728
60,00	237,86	-65,10	6 801 229,797	535 199,601	915,195
65,00	237,70	-65,15	6 801 228,675	535 197,822	910,659
70,00	237,30	-65,16	6 801 227,547	535 196,050	906,122
75,00	237,36	-64,85	6 801 226,406	535 194,271	901,590
80,00	237,70	-64,98	6 801 225,268	535 192,483	897,062
85,00	237,40	-64,80	6 801 224,130	535 190,692	892,534
90,00	236,89	-64,97	6 801 222,979	535 188,910	888,007
95,00	236,66	-65,08	6 801 221,822	535 187,143	883,475
100,00	236,81	-65,00	6 801 220,665	535 185,379	878,942
105,00	236,97	-64,99	6 801 219,510	535 183,609	874,410
110,00	236,79	-65,10	6 801 218,358	535 181,842	869,877
115,00	236,82	-65,15	6 801 217,206	535 180,082	865,341
120,00	237,57	-65,03	6 801 216,065	535 178,312	860,806
125,00	238,21	-65,01	6 801 214,943	535 176,524	856,274
130,00	238,15	-64,99	6 801 213,829	535 174,728	851,742

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-20 (ind.: 5)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,143	-0,133	0,009	0,196	0,039
10,00	0,281	-0,273	0,022	0,393	0,039
15,00	0,433	-0,430	0,037	0,612	0,041
20,00	0,610	-0,597	0,051	0,855	0,043
25,00	0,794	-0,758	0,060	1,100	0,044
30,00	0,979	-0,917	0,068	1,343	0,045
35,00	1,171	-1,076	0,074	1,592	0,045
40,00	1,381	-1,246	0,080	1,861	0,047
45,00	1,605	-1,426	0,086	2,148	0,048
50,00	1,827	-1,603	0,092	2,432	0,049
55,00	2,051	-1,776	0,095	2,715	0,049
60,00	2,286	-1,944	0,094	3,003	0,050
65,00	2,523	-2,105	0,089	3,287	0,051
70,00	2,752	-2,258	0,084	3,561	0,051
75,00	2,970	-2,418	0,083	3,831	0,051
80,00	3,191	-2,588	0,087	4,109	0,051
85,00	3,410	-2,759	0,091	4,388	0,052
90,00	3,617	-2,923	0,095	4,652	0,052
95,00	3,819	-3,071	0,094	4,901	0,052
100,00	4,020	-3,216	0,093	5,149	0,051
105,00	4,224	-3,368	0,093	5,403	0,051
110,00	4,430	-3,516	0,091	5,656	0,051
115,00	4,636	-3,657	0,086	5,906	0,051
120,00	4,854	-3,809	0,083	6,170	0,051
125,00	5,090	-3,978	0,082	6,460	0,052
130,00	5,334	-4,155	0,082	6,762	0,052

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2004-09 (ind.: 6)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	208,95	-78,68	6 801 193,370	535 308,730	979,130
5,00	208,95	-78,64	6 801 192,510	535 308,254	974,228
10,00	208,95	-78,43	6 801 191,640	535 307,773	969,327
15,00	207,40	-78,31	6 801 190,752	535 307,297	964,430
20,00	208,18	-78,04	6 801 189,845	535 306,819	959,536
25,00	207,39	-77,90	6 801 188,923	535 306,334	954,646
30,00	209,33	-77,91	6 801 188,001	535 305,836	949,757
35,00	208,33	-77,64	6 801 187,074	535 305,326	944,870
40,00	208,77	-77,50	6 801 186,129	535 304,811	939,987
45,00	212,22	-77,07	6 801 185,181	535 304,253	935,110
50,00	212,64	-76,86	6 801 184,229	535 303,648	930,239
55,00	213,15	-77,00	6 801 183,280	535 303,034	925,368
60,00	214,39	-76,89	6 801 182,341	535 302,406	920,498
65,00	213,57	-77,03	6 801 181,405	535 301,775	915,627
70,00	214,93	-77,45	6 801 180,493	535 301,154	910,750
75,00	214,96	-77,27	6 801 179,596	535 300,527	905,871
80,00	216,57	-77,62	6 801 178,714	535 299,892	900,991
85,00	216,01	-77,53	6 801 177,847	535 299,256	896,108
90,00	216,67	-77,43	6 801 176,973	535 298,613	891,227
95,00	218,38	-77,34	6 801 176,108	535 297,948	886,347
100,00	218,28	-77,35	6 801 175,248	535 297,269	881,469
105,00	217,81	-77,27	6 801 174,383	535 296,592	876,591
110,00	219,29	-76,53	6 801 173,497	535 295,886	871,721
115,00	219,49	-77,14	6 801 172,617	535 295,163	866,853
120,00	218,67	-77,13	6 801 171,753	535 294,461	861,978
125,00	221,11	-77,18	6 801 170,900	535 293,749	857,103
130,00	220,88	-76,84	6 801 170,052	535 293,011	852,231
135,00	220,43	-76,52	6 801 169,178	535 292,261	847,366
137,00	220,40	-76,50	6 801 168,823	535 291,958	845,421

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2004-09 (ind.: 6)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	-0,358	0,123	0,036	0,380	0,076
10,00	-0,724	0,241	0,074	0,767	0,077
15,00	-1,110	0,365	0,115	1,174	0,078
20,00	-1,514	0,486	0,160	1,598	0,080
25,00	-1,933	0,600	0,208	2,034	0,081
30,00	-2,352	0,701	0,258	2,468	0,082
35,00	-2,777	0,790	0,309	2,903	0,083
40,00	-3,219	0,875	0,365	3,356	0,084
45,00	-3,664	0,915	0,426	3,801	0,084
50,00	-4,113	0,910	0,493	4,241	0,085
55,00	-4,560	0,895	0,561	4,681	0,085
60,00	-4,996	0,866	0,629	5,109	0,085
65,00	-5,429	0,835	0,696	5,536	0,085
70,00	-5,839	0,813	0,758	5,943	0,085
75,00	-6,233	0,785	0,818	6,335	0,084
80,00	-6,612	0,749	0,876	6,712	0,084
85,00	-6,976	0,712	0,931	7,074	0,083
90,00	-7,347	0,669	0,989	7,443	0,083
95,00	-7,710	0,603	1,048	7,804	0,082
100,00	-8,066	0,523	1,108	8,159	0,082
105,00	-8,429	0,445	1,168	8,521	0,081
110,00	-8,812	0,338	1,237	8,905	0,081
115,00	-9,189	0,214	1,307	9,284	0,081
120,00	-9,551	0,112	1,371	9,649	0,080
125,00	-9,901	-0,002	1,434	10,004	0,080
130,00	-10,246	-0,140	1,501	10,356	0,080
135,00	-10,617	-0,291	1,574	10,737	0,080
137,00	-10,771	-0,354	1,604	10,896	0,080

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-19 (ind.: 7)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	243,59	-81,38	6 801 174,060	535 292,430	974,090
5,00	243,59	-81,13	6 801 173,722	535 291,749	969,148
10,00	243,59	-80,90	6 801 173,375	535 291,050	964,209
15,00	243,40	-80,97	6 801 173,023	535 290,345	959,272
20,00	243,37	-81,10	6 801 172,674	535 289,648	954,333
25,00	243,43	-80,97	6 801 172,325	535 288,952	949,394
30,00	243,39	-81,18	6 801 171,978	535 288,258	944,455
35,00	243,70	-81,22	6 801 171,637	535 287,573	939,514
40,00	244,37	-81,08	6 801 171,300	535 286,881	934,573
45,00	244,33	-81,09	6 801 170,965	535 286,183	929,633
50,00	243,76	-81,17	6 801 170,627	535 285,490	924,693
55,00	243,58	-81,04	6 801 170,285	535 284,797	919,753
60,00	243,35	-81,10	6 801 169,938	535 284,102	914,814
65,00	243,28	-81,03	6 801 169,589	535 283,409	909,875
70,00	244,30	-81,02	6 801 169,245	535 282,709	904,936
75,00	245,06	-80,96	6 801 168,910	535 282,001	899,998
80,00	245,09	-80,90	6 801 168,578	535 281,286	895,060
85,00	245,36	-80,99	6 801 168,248	535 280,572	890,122
90,00	245,91	-80,83	6 801 167,922	535 279,852	885,185
95,00	247,07	-80,81	6 801 167,604	535 279,121	880,249
100,00	247,57	-80,95	6 801 167,298	535 278,390	875,312
105,00	247,34	-80,84	6 801 166,995	535 277,659	870,375
110,00	247,54	-80,69	6 801 166,687	535 276,918	865,440
115,00	247,87	-80,27	6 801 166,373	535 276,153	860,509
123,00	247,69	-80,23	6 801 165,861	535 274,898	852,625

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

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Client: Falconbridge
Project: Espedalen
Hole: ES2005-19 (ind.: 7)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,165	-0,082	-0,003	0,184	0,037
10,00	0,320	-0,182	-0,004	0,368	0,037
15,00	0,471	-0,288	-0,003	0,552	0,037
20,00	0,625	-0,385	-0,003	0,734	0,037
25,00	0,779	-0,483	-0,004	0,916	0,037
30,00	0,934	-0,577	-0,005	1,098	0,037
35,00	1,096	-0,663	-0,007	1,281	0,037
40,00	1,262	-0,755	-0,009	1,471	0,037
45,00	1,430	-0,854	-0,011	1,666	0,037
50,00	1,595	-0,948	-0,012	1,856	0,037
55,00	1,755	-1,042	-0,014	2,041	0,037
60,00	1,911	-1,137	-0,015	2,224	0,037
65,00	2,065	-1,232	-0,016	2,405	0,037
70,00	2,223	-1,333	-0,016	2,592	0,037
75,00	2,391	-1,441	-0,016	2,792	0,037
80,00	2,562	-1,557	-0,015	2,998	0,037
85,00	2,735	-1,672	-0,014	3,206	0,038
90,00	2,912	-1,793	-0,013	3,419	0,038
95,00	3,096	-1,925	-0,010	3,646	0,038
100,00	3,294	-2,057	-0,009	3,883	0,039
105,00	3,493	-2,188	-0,007	4,122	0,039
110,00	3,688	-2,330	-0,004	4,362	0,040
115,00	3,877	-2,496	0,003	4,611	0,040
123,00	4,169	-2,792	0,020	5,017	0,041

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-31 (ind.: 8)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	232,90	-56,94	6 801 151,650	535 421,830	968,980
5,00	232,90	-57,09	6 801 150,008	535 419,659	964,786
10,00	232,90	-56,94	6 801 148,366	535 417,488	960,592
15,00	232,91	-56,91	6 801 146,720	535 415,311	956,402
20,00	232,16	-56,99	6 801 145,062	535 413,147	952,211
25,00	231,75	-57,18	6 801 143,387	535 411,007	948,014
30,00	231,57	-57,35	6 801 141,710	535 408,886	943,808
35,00	231,16	-57,57	6 801 140,031	535 406,786	939,593
40,00	230,59	-57,83	6 801 138,345	535 404,713	935,366
45,00	230,35	-57,91	6 801 136,653	535 402,662	931,132
50,00	230,28	-58,02	6 801 134,959	535 400,621	926,894
55,00	230,12	-58,18	6 801 133,268	535 398,591	922,649
60,00	230,02	-58,19	6 801 131,576	535 396,569	918,400
65,00	230,02	-58,38	6 801 129,887	535 394,555	914,147
70,00	230,02	-58,50	6 801 128,206	535 392,550	909,886
75,00	229,88	-58,69	6 801 126,530	535 390,555	905,619
80,00	229,88	-58,85	6 801 124,859	535 388,573	901,343
85,00	229,90	-58,70	6 801 123,190	535 386,590	897,067
90,00	229,84	-58,87	6 801 121,519	535 384,609	892,791
95,00	229,62	-58,71	6 801 119,845	535 382,632	888,515
100,00	229,88	-58,98	6 801 118,173	535 380,658	884,236
105,00	229,81	-59,00	6 801 116,512	535 378,689	879,951
110,00	229,72	-59,24	6 801 114,855	535 376,730	875,659
115,00	229,74	-59,25	6 801 113,202	535 374,779	871,363
120,00	229,67	-59,60	6 801 111,557	535 372,839	867,058
125,00	229,41	-59,62	6 801 109,916	535 370,915	862,745
130,00	229,40	-59,60	6 801 108,270	535 368,994	858,432

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-31 (ind.: 8)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	-0,035	-0,256	0,136	0,292	0,058
10,00	-0,070	-0,512	0,272	0,584	0,058
15,00	-0,109	-0,773	0,412	0,883	0,059
20,00	-0,160	-1,023	0,552	1,173	0,059
25,00	-0,228	-1,247	0,684	1,441	0,058
30,00	-0,298	-1,453	0,809	1,689	0,056
35,00	-0,370	-1,639	0,924	1,917	0,055
40,00	-0,449	-1,796	1,027	2,117	0,053
45,00	-0,535	-1,932	1,123	2,298	0,051
50,00	-0,621	-2,058	1,215	2,469	0,049
55,00	-0,705	-2,173	1,300	2,629	0,048
60,00	-0,790	-2,279	1,381	2,780	0,046
65,00	-0,872	-2,378	1,458	2,923	0,045
70,00	-0,946	-2,469	1,528	3,054	0,044
75,00	-1,016	-2,548	1,590	3,171	0,042
80,00	-1,079	-2,615	1,645	3,273	0,041
85,00	-1,142	-2,683	1,700	3,375	0,040
90,00	-1,205	-2,749	1,754	3,476	0,039
95,00	-1,273	-2,811	1,807	3,576	0,038
100,00	-1,337	-2,870	1,859	3,671	0,037
105,00	-1,391	-2,924	1,903	3,756	0,036
110,00	-1,442	-2,968	1,942	3,829	0,035
115,00	-1,488	-3,003	1,976	3,890	0,034
120,00	-1,525	-3,028	2,001	3,937	0,033
125,00	-1,560	-3,038	2,018	3,966	0,032
130,00	-1,599	-3,043	2,035	3,995	0,031

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-24 (ind.: 9)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	233,90	-59,44	6 801 165,630	535 437,490	966,860
5,00	233,90	-59,30	6 801 164,129	535 435,432	962,558
10,00	233,90	-59,37	6 801 162,627	535 433,371	958,257
15,00	233,95	-59,28	6 801 161,124	535 431,309	953,956
20,00	232,89	-59,30	6 801 159,603	535 429,259	949,658
25,00	232,66	-59,32	6 801 158,059	535 427,227	945,358
30,00	232,45	-59,34	6 801 156,508	535 425,202	941,057
35,00	232,37	-59,37	6 801 154,954	535 423,183	936,756
40,00	232,01	-59,50	6 801 153,395	535 421,174	932,450
45,00	231,98	-59,65	6 801 151,836	535 419,179	928,139
50,00	231,91	-59,65	6 801 150,279	535 417,189	923,824
55,00	232,19	-59,56	6 801 148,723	535 415,194	919,511
60,00	232,48	-59,48	6 801 147,173	535 413,187	915,202
65,00	232,56	-59,22	6 801 145,622	535 411,164	910,901
70,00	232,52	-59,14	6 801 144,064	535 409,130	906,607
75,00	232,36	-59,03	6 801 142,498	535 407,094	902,317
80,00	232,01	-59,22	6 801 140,925	535 405,067	898,026
85,00	231,85	-59,32	6 801 139,350	535 403,056	893,728
90,00	231,39	-59,50	6 801 137,770	535 401,061	889,424
95,00	230,32	-59,51	6 801 136,168	535 399,093	885,115
100,00	230,03	-59,58	6 801 134,545	535 397,147	880,805
105,00	229,83	-59,68	6 801 132,918	535 395,212	876,491
110,00	229,93	-59,62	6 801 131,290	535 393,280	872,177
115,00	229,87	-59,77	6 801 129,665	535 391,350	867,860
120,00	229,83	-59,78	6 801 128,042	535 389,426	863,540
125,00	229,84	-59,83	6 801 126,420	535 387,505	859,218
130,00	229,80	-59,90	6 801 124,801	535 385,587	854,894

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-24 (ind.: 9)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,106	-0,143	0,028	0,180	0,036
10,00	0,210	-0,289	0,057	0,362	0,036
15,00	0,315	-0,435	0,087	0,544	0,036
20,00	0,401	-0,570	0,118	0,707	0,035
25,00	0,464	-0,687	0,149	0,842	0,034
30,00	0,520	-0,797	0,178	0,968	0,032
35,00	0,572	-0,902	0,207	1,088	0,031
40,00	0,621	-0,995	0,231	1,196	0,030
45,00	0,669	-1,075	0,250	1,291	0,029
50,00	0,718	-1,150	0,265	1,381	0,028
55,00	0,770	-1,230	0,283	1,478	0,027
60,00	0,827	-1,322	0,304	1,589	0,026
65,00	0,883	-1,430	0,333	1,713	0,026
70,00	0,932	-1,548	0,369	1,844	0,026
75,00	0,973	-1,669	0,409	1,975	0,026
80,00	1,007	-1,781	0,448	2,094	0,026
85,00	1,038	-1,878	0,480	2,199	0,026
90,00	1,065	-1,957	0,506	2,285	0,025
95,00	1,071	-2,010	0,528	2,337	0,025
100,00	1,055	-2,041	0,548	2,362	0,024
105,00	1,034	-2,060	0,564	2,374	0,023
110,00	1,014	-2,077	0,579	2,383	0,022
115,00	0,995	-2,092	0,593	2,392	0,021
120,00	0,979	-2,101	0,603	2,395	0,020
125,00	0,964	-2,108	0,611	2,397	0,019
130,00	0,952	-2,110	0,617	2,396	0,018

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-32 (ind.: 10)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	233,00	-59,99	6 801 178,590	535 453,500	964,790
5,00	233,00	-60,26	6 801 177,091	535 451,511	960,454
10,00	233,00	-60,48	6 801 175,603	535 449,537	956,108
15,00	232,20	-60,66	6 801 174,111	535 447,585	951,753
20,00	231,52	-60,76	6 801 172,601	535 445,661	947,393
25,00	231,27	-60,88	6 801 171,080	535 443,756	943,027
30,00	231,11	-61,08	6 801 169,559	535 441,866	938,655
35,00	230,59	-61,17	6 801 168,035	535 439,994	934,277
40,00	230,11	-61,25	6 801 166,499	535 438,140	929,895
45,00	229,79	-61,55	6 801 164,958	535 436,307	925,505
50,00	229,74	-61,51	6 801 163,419	535 434,488	921,109
55,00	229,88	-61,52	6 801 161,880	535 432,666	916,715
60,00	229,91	-61,34	6 801 160,340	535 430,837	912,323
65,00	229,41	-61,39	6 801 158,789	535 429,011	907,935
70,00	229,54	-61,42	6 801 157,234	535 427,192	903,545
75,00	229,26	-61,57	6 801 155,681	535 425,380	899,151
80,00	228,44	-61,69	6 801 154,118	535 423,591	894,752
85,00	228,26	-61,83	6 801 152,545	535 421,823	890,347
90,00	227,74	-61,98	6 801 150,970	535 420,074	885,936
95,00	227,93	-61,68	6 801 149,385	535 418,324	881,528
100,00	227,42	-61,92	6 801 147,794	535 416,577	877,122
105,00	226,99	-61,80	6 801 146,192	535 414,847	872,713
110,00	227,25	-61,99	6 801 144,589	535 413,121	868,302
115,00	227,49	-61,89	6 801 142,997	535 411,390	863,890
120,00	227,53	-61,80	6 801 141,403	535 409,651	859,481
125,00	228,01	-61,74	6 801 139,813	535 407,899	855,076
130,00	228,20	-61,85	6 801 138,235	535 406,140	850,670
135,00	229,22	-61,98	6 801 136,682	535 404,372	846,259
140,00	229,45	-61,96	6 801 135,151	535 402,589	841,845
145,00	229,58	-62,10	6 801 133,629	535 400,806	837,429
150,00	229,50	-62,08	6 801 132,110	535 399,025	833,011

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-32 (ind.: 10)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,108	-0,074	-0,005	0,131	0,026
10,00	0,227	-0,133	-0,021	0,264	0,026
15,00	0,342	-0,170	-0,046	0,385	0,026
20,00	0,439	-0,178	-0,077	0,480	0,024
25,00	0,524	-0,168	-0,112	0,562	0,022
30,00	0,611	-0,143	-0,154	0,647	0,022
35,00	0,694	-0,101	-0,203	0,730	0,021
40,00	0,764	-0,040	-0,254	0,807	0,020
45,00	0,831	0,043	-0,314	0,890	0,020
50,00	0,899	0,139	-0,379	0,985	0,020
55,00	0,967	0,232	-0,444	1,089	0,020
60,00	1,033	0,319	-0,505	1,193	0,020
65,00	1,089	0,407	-0,563	1,292	0,020
70,00	1,141	0,503	-0,623	1,394	0,020
75,00	1,195	0,607	-0,687	1,506	0,020
80,00	1,239	0,733	-0,756	1,626	0,020
85,00	1,274	0,880	-0,831	1,757	0,021
90,00	1,305	1,046	-0,912	1,905	0,021
95,00	1,328	1,211	-0,990	2,051	0,022
100,00	1,344	1,379	-1,066	2,201	0,022
105,00	1,349	1,564	-1,145	2,361	0,022
110,00	1,353	1,753	-1,225	2,531	0,023
115,00	1,367	1,938	-1,307	2,708	0,024
120,00	1,380	2,113	-1,385	2,879	0,024
125,00	1,398	2,277	-1,461	3,045	0,024
130,00	1,427	2,433	-1,537	3,212	0,025
135,00	1,480	2,580	-1,618	3,386	0,025
140,00	1,556	2,712	-1,701	3,560	0,025
145,00	1,641	2,844	-1,787	3,738	0,026
150,00	1,729	2,978	-1,875	3,921	0,026

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

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Client: Falconbridge
Project: Espedalen
Hole: ES2005-25 (ind.: 11)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	230,70	-64,24	6 801 114,270	535 532,860	962,450
5,00	230,70	-64,82	6 801 112,908	535 531,196	957,936
10,00	230,70	-64,81	6 801 111,560	535 529,550	953,411
15,00	230,70	-64,74	6 801 110,211	535 527,901	948,888
20,00	230,72	-64,69	6 801 108,858	535 526,248	944,367
25,00	230,37	-64,88	6 801 107,505	535 524,603	939,844
30,00	230,41	-64,77	6 801 106,149	535 522,964	935,318
35,00	230,45	-64,66	6 801 104,788	535 521,318	930,797
40,00	230,01	-64,44	6 801 103,414	535 519,667	926,283
45,00	229,92	-64,51	6 801 102,028	535 518,017	921,771
50,00	229,62	-64,65	6 801 100,642	535 516,379	917,255
55,00	229,09	-64,85	6 801 099,252	535 514,760	912,732
60,00	228,75	-65,05	6 801 097,861	535 513,165	908,203
65,00	227,98	-65,38	6 801 096,469	535 511,598	903,663
70,00	227,49	-65,23	6 801 095,064	535 510,052	899,121
75,00	227,19	-65,11	6 801 093,641	535 508,508	894,583
80,00	226,79	-65,03	6 801 092,203	535 506,967	890,049
85,00	226,76	-64,95	6 801 090,756	535 505,427	885,518
90,00	226,42	-64,72	6 801 089,295	535 503,882	880,992
95,00	225,42	-64,72	6 801 087,809	535 502,348	876,471
100,00	225,13	-64,77	6 801 086,308	535 500,833	871,949
105,00	225,05	-65,07	6 801 084,812	535 499,332	867,420
110,00	224,76	-65,22	6 801 083,324	535 497,848	862,883
115,00	224,26	-65,28	6 801 081,831	535 496,380	858,343
120,00	222,64	-65,45	6 801 080,318	535 494,947	853,798
125,00	222,23	-65,58	6 801 078,788	535 493,549	849,247
130,00	220,67	-65,63	6 801 077,241	535 492,182	844,694
135,00	220,80	-65,60	6 801 075,677	535 490,835	840,140

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

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Client: Falconbridge
Project: Espedalen
Hole: ES2005-25 (ind.: 11)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	-0,004	-0,045	0,018	0,049	0,010
10,00	0,007	-0,073	0,024	0,077	0,008
15,00	0,016	-0,103	0,033	0,109	0,007
20,00	0,022	-0,137	0,043	0,146	0,007
25,00	0,026	-0,163	0,051	0,173	0,007
30,00	0,028	-0,183	0,058	0,194	0,006
35,00	0,026	-0,211	0,068	0,223	0,006
40,00	0,010	-0,243	0,085	0,258	0,006
45,00	-0,018	-0,274	0,105	0,294	0,007
50,00	-0,046	-0,294	0,120	0,321	0,006
55,00	-0,077	-0,294	0,129	0,330	0,006
60,00	-0,109	-0,271	0,131	0,320	0,005
65,00	-0,144	-0,219	0,123	0,289	0,004
70,00	-0,190	-0,146	0,112	0,265	0,004
75,00	-0,255	-0,071	0,106	0,285	0,004
80,00	-0,334	0,007	0,103	0,350	0,004
85,00	-0,424	0,085	0,104	0,444	0,005
90,00	-0,527	0,159	0,110	0,561	0,006
95,00	-0,654	0,244	0,120	0,708	0,007
100,00	-0,796	0,347	0,130	0,878	0,009
105,00	-0,934	0,465	0,133	1,052	0,010
110,00	-1,065	0,600	0,127	1,228	0,011
115,00	-1,199	0,751	0,118	1,420	0,012
120,00	-1,354	0,937	0,105	1,649	0,014
125,00	-1,525	1,157	0,086	1,916	0,015
130,00	-1,714	1,409	0,064	2,220	0,017
135,00	-1,920	1,680	0,041	2,552	0,019

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-26 (ind.: 12)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	225,70	-69,82	6 801 057,090	535 620,310	960,970
5,00	225,70	-70,26	6 801 055,898	535 619,088	956,270
10,00	225,72	-70,22	6 801 054,718	535 617,879	951,565
15,00	224,85	-70,20	6 801 053,527	535 616,676	946,860
20,00	224,56	-70,15	6 801 052,322	535 615,483	942,156
25,00	223,78	-69,98	6 801 051,099	535 614,295	937,456
30,00	222,60	-70,11	6 801 049,855	535 613,127	932,756
35,00	221,94	-70,20	6 801 048,599	535 611,985	928,053
40,00	221,61	-70,28	6 801 047,338	535 610,859	923,347
45,00	221,38	-70,24	6 801 046,073	535 609,740	918,641
50,00	221,31	-70,15	6 801 044,801	535 608,621	913,937
55,00	221,09	-70,01	6 801 043,520	535 607,499	909,236
60,00	220,99	-70,17	6 801 042,235	535 606,381	904,535
65,00	220,73	-70,16	6 801 040,952	535 605,271	899,832
70,00	220,75	-70,25	6 801 039,669	535 604,166	895,127
75,00	220,54	-70,22	6 801 038,386	535 603,065	890,422
80,00	220,12	-70,22	6 801 037,096	535 601,970	885,717
85,00	220,02	-70,23	6 801 035,802	535 600,881	881,012
90,00	220,02	-70,28	6 801 034,508	535 599,794	876,305
95,00	219,43	-70,13	6 801 033,206	535 598,712	871,601
100,00	219,10	-70,03	6 801 031,887	535 597,634	866,900
105,00	218,76	-70,14	6 801 030,562	535 596,564	862,199
110,00	218,73	-70,08	6 801 029,235	535 595,499	857,497
115,00	218,14	-70,12	6 801 027,902	535 594,442	852,796
120,00	217,84	-70,10	6 801 026,561	535 593,395	848,094
125,00	217,63	-70,15	6 801 025,217	535 592,354	843,392
129,00	217,60	-70,15	6 801 024,141	535 591,525	839,630

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

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Client: Falconbridge
Project: Espedalen
Hole: ES2005-26 (ind.: 12)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	960,970	960,970	0,000
5,00	-0,093	0,088	960,969	960,969	192,194
10,00	-0,174	0,189	960,962	960,962	96,096
15,00	-0,266	0,296	960,955	960,955	64,064
20,00	-0,372	0,413	960,950	960,950	48,048
25,00	-0,495	0,535	960,948	960,949	38,438
30,00	-0,640	0,677	960,947	960,947	32,032
35,00	-0,797	0,845	960,942	960,943	27,456
40,00	-0,958	1,029	960,935	960,936	24,023
45,00	-1,124	1,220	960,927	960,929	21,354
50,00	-1,296	1,411	960,922	960,924	19,218
55,00	-1,479	1,599	960,919	960,922	17,471
60,00	-1,664	1,791	960,917	960,920	16,015
65,00	-1,848	1,991	960,912	960,915	14,783
70,00	-2,031	2,196	960,906	960,910	13,727
75,00	-2,215	2,405	960,899	960,904	12,812
80,00	-2,406	2,620	960,892	960,899	12,011
85,00	-2,601	2,841	960,885	960,893	11,305
90,00	-2,796	3,065	960,878	960,887	10,677
95,00	-2,999	3,293	960,872	960,882	10,115
100,00	-3,219	3,525	960,869	960,881	9,609
105,00	-3,444	3,764	960,867	960,880	9,151
110,00	-3,672	4,010	960,864	960,879	8,735
115,00	-3,906	4,262	960,861	960,878	8,355
120,00	-4,147	4,525	960,857	960,877	8,007
125,00	-4,392	4,795	960,854	960,876	7,687
129,00	-4,589	5,014	960,850	960,874	7,449

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-27 (ind.: 13)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	228,60	-69,46	6 800 996,270	535 703,240	961,050
5,00	228,60	-68,93	6 800 995,096	535 701,908	956,376
10,00	228,60	-68,84	6 800 993,904	535 700,557	951,712
15,00	228,58	-68,85	6 800 992,711	535 699,203	947,049
20,00	228,06	-68,97	6 800 991,514	535 697,860	942,384
25,00	228,12	-69,00	6 800 990,317	535 696,525	937,716
30,00	227,68	-69,24	6 800 989,122	535 695,203	933,045
35,00	227,38	-69,25	6 800 987,926	535 693,896	928,369
40,00	227,63	-69,61	6 800 986,739	535 692,601	923,688
45,00	227,75	-69,66	6 800 985,568	535 691,314	919,000
50,00	227,77	-69,80	6 800 984,403	535 690,032	914,310
55,00	227,75	-69,90	6 800 983,245	535 688,757	909,616
60,00	227,98	-69,95	6 800 982,094	535 687,484	904,920
65,00	227,71	-70,10	6 800 980,947	535 686,218	900,221
70,00	226,97	-70,24	6 800 979,798	535 684,970	895,517
75,00	226,29	-70,51	6 800 978,645	535 683,750	890,808
80,00	226,20	-70,72	6 800 977,497	535 682,551	886,091
85,00	225,94	-70,93	6 800 976,358	535 681,368	881,368
90,00	225,52	-71,15	6 800 975,224	535 680,205	876,640
95,00	224,29	-71,61	6 800 974,093	535 679,078	871,901
100,00	223,46	-71,41	6 800 972,950	535 677,979	867,159
105,00	223,32	-71,42	6 800 971,792	535 676,884	862,420
110,00	222,45	-71,44	6 800 970,626	535 675,801	857,681
115,00	222,24	-71,34	6 800 969,446	535 674,726	852,942
120,00	222,20	-71,45	6 800 968,265	535 673,654	848,203
125,00	222,21	-71,46	6 800 967,087	535 672,586	843,463
130,00	222,21	-71,43	6 800 965,908	535 671,517	838,723

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-27 (ind.: 13)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	-0,075	-0,022	0,025	0,082	0,016
10,00	-0,167	-0,063	0,059	0,188	0,019
15,00	-0,261	-0,107	0,094	0,298	0,020
20,00	-0,359	-0,140	0,127	0,406	0,020
25,00	-0,457	-0,165	0,159	0,511	0,020
30,00	-0,553	-0,177	0,185	0,609	0,020
35,00	-0,650	-0,174	0,208	0,704	0,020
40,00	-0,737	-0,159	0,226	0,787	0,020
45,00	-0,809	-0,136	0,237	0,854	0,019
50,00	-0,875	-0,108	0,245	0,915	0,018
55,00	-0,933	-0,073	0,249	0,969	0,018
60,00	-0,985	-0,036	0,251	1,018	0,017
65,00	-1,033	0,008	0,251	1,063	0,016
70,00	-1,083	0,070	0,246	1,112	0,016
75,00	-1,137	0,160	0,234	1,171	0,016
80,00	-1,185	0,271	0,216	1,235	0,015
85,00	-1,225	0,398	0,192	1,302	0,015
90,00	-1,260	0,545	0,162	1,382	0,015
95,00	-1,291	0,728	0,122	1,487	0,016
100,00	-1,335	0,939	0,079	1,634	0,016
105,00	-1,394	1,154	0,038	1,810	0,017
110,00	-1,461	1,381	-0,003	2,010	0,018
115,00	-1,541	1,616	-0,043	2,234	0,019
120,00	-1,624	1,854	-0,084	2,466	0,021
125,00	-1,702	2,096	-0,126	2,703	0,022
130,00	-1,782	2,337	-0,167	2,943	0,023

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-28 (ind.: 14)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	232,50	-69,67	6 800 932,670	535 783,050	960,720
5,00	232,50	-69,45	6 800 931,607	535 781,665	956,035
10,00	232,49	-69,24	6 800 930,533	535 780,266	951,356
15,00	232,61	-69,15	6 800 929,453	535 778,856	946,682
20,00	232,78	-69,38	6 800 928,380	535 777,448	942,006
25,00	233,52	-69,39	6 800 927,325	535 776,039	937,326
30,00	234,30	-69,33	6 800 926,286	535 774,615	932,647
35,00	234,43	-69,33	6 800 925,258	535 773,180	927,969
40,00	234,18	-69,22	6 800 924,226	535 771,743	923,293
45,00	234,07	-69,77	6 800 923,200	535 770,324	918,609
50,00	234,15	-69,63	6 800 922,183	535 768,919	913,920
55,00	233,44	-69,71	6 800 921,157	535 767,517	909,231
60,00	233,41	-69,83	6 800 920,126	535 766,129	904,540
65,00	233,66	-69,88	6 800 919,103	535 764,744	899,846
70,00	233,88	-69,83	6 800 918,085	535 763,355	895,152
75,00	233,86	-70,11	6 800 917,075	535 761,972	890,454
80,00	233,43	-70,20	6 800 916,069	535 760,605	885,751
85,00	233,17	-69,87	6 800 915,049	535 759,236	881,051
90,00	232,51	-69,97	6 800 914,012	535 757,868	876,355
95,00	232,35	-70,02	6 800 912,969	535 756,512	871,657
104,00	231,79	-70,09	6 800 911,082	535 754,090	863,197

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-28 (ind.: 14)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,036	-0,075	0,013	0,085	0,017
10,00	0,062	-0,164	0,033	0,179	0,018
15,00	0,081	-0,264	0,058	0,282	0,019
20,00	0,107	-0,362	0,080	0,386	0,019
25,00	0,151	-0,461	0,099	0,495	0,020
30,00	0,212	-0,575	0,118	0,624	0,021
35,00	0,283	-0,700	0,138	0,767	0,022
40,00	0,350	-0,827	0,160	0,912	0,023
45,00	0,423	-0,936	0,176	1,042	0,023
50,00	0,505	-1,031	0,185	1,163	0,023
55,00	0,578	-1,123	0,194	1,278	0,023
60,00	0,647	-1,201	0,201	1,379	0,023
65,00	0,723	-1,276	0,206	1,481	0,023
70,00	0,804	-1,355	0,210	1,590	0,023
75,00	0,894	-1,428	0,211	1,698	0,023
80,00	0,987	-1,485	0,206	1,795	0,022
85,00	1,066	-1,544	0,205	1,887	0,022
90,00	1,128	-1,602	0,208	1,971	0,022
95,00	1,184	-1,648	0,208	2,040	0,021
104,00	1,276	-1,711	0,205	2,145	0,021

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Falconbridge
Project: Espedalen
Hole: ES2005-29 (ind.: 15)

Notes:
Date: 25.04.2005

Surveyed data, calculated trajectories coordinates:

St Depth	Direction(Az) [Deg]	Inclination [Deg.]	Northing [m]	Easting [m]	Elevation [m]
0,00	232,60	-64,43	6 800 881,780	535 878,970	959,560
5,00	232,60	-64,14	6 800 880,462	535 877,247	955,055
10,00	232,60	-64,48	6 800 879,146	535 875,525	950,549
15,00	232,60	-64,72	6 800 877,843	535 873,821	946,033
20,00	232,62	-64,96	6 800 876,552	535 872,132	941,507
25,00	232,23	-65,09	6 800 875,265	535 870,459	936,975
30,00	231,95	-65,05	6 800 873,970	535 868,796	932,441
35,00	232,07	-64,97	6 800 872,670	535 867,131	927,909
40,00	231,92	-65,23	6 800 871,374	535 865,473	923,373
45,00	231,43	-65,62	6 800 870,084	535 863,841	918,826
50,00	231,37	-65,71	6 800 868,799	535 862,231	914,271
55,00	231,25	-65,29	6 800 867,503	535 860,613	909,721
60,00	231,27	-65,25	6 800 866,194	535 858,981	905,179
65,00	230,92	-65,17	6 800 864,877	535 857,350	900,640
70,00	230,80	-65,18	6 800 863,552	535 855,721	896,102
75,00	230,76	-65,10	6 800 862,223	535 854,093	891,565
80,00	230,41	-65,10	6 800 860,886	535 852,467	887,030
85,00	229,95	-65,01	6 800 859,536	535 850,847	882,497

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

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Client: Falconbridge
Project: Espedalen
Hole: ES2005-29 (ind.: 15)

Notes:
Date: 25.04.2005

Difference between real and planned hole

Depth [m]	dNorthing [m]	dEasting [m]	dElevation [m]	Dev [m]	Dev/l [m]
0,00	0,000	0,000	0,000	0,000	0,000
5,00	0,041	-0,105	0,027	0,115	0,023
10,00	0,082	-0,208	0,053	0,230	0,023
15,00	0,138	-0,293	0,067	0,331	0,022
20,00	0,205	-0,363	0,073	0,424	0,021
25,00	0,276	-0,418	0,072	0,506	0,020
30,00	0,340	-0,462	0,070	0,577	0,019
35,00	0,398	-0,508	0,069	0,649	0,019
40,00	0,460	-0,548	0,066	0,718	0,018
45,00	0,529	-0,560	0,050	0,772	0,017
50,00	0,601	-0,552	0,026	0,817	0,016
55,00	0,664	-0,552	0,008	0,863	0,016
60,00	0,713	-0,564	-0,002	0,909	0,015
65,00	0,754	-0,577	-0,010	0,950	0,015
70,00	0,788	-0,586	-0,016	0,982	0,014
75,00	0,817	-0,596	-0,021	1,011	0,013
80,00	0,838	-0,604	-0,025	1,033	0,013
85,00	0,846	-0,605	-0,027	1,040	0,012

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

APPENDIX I

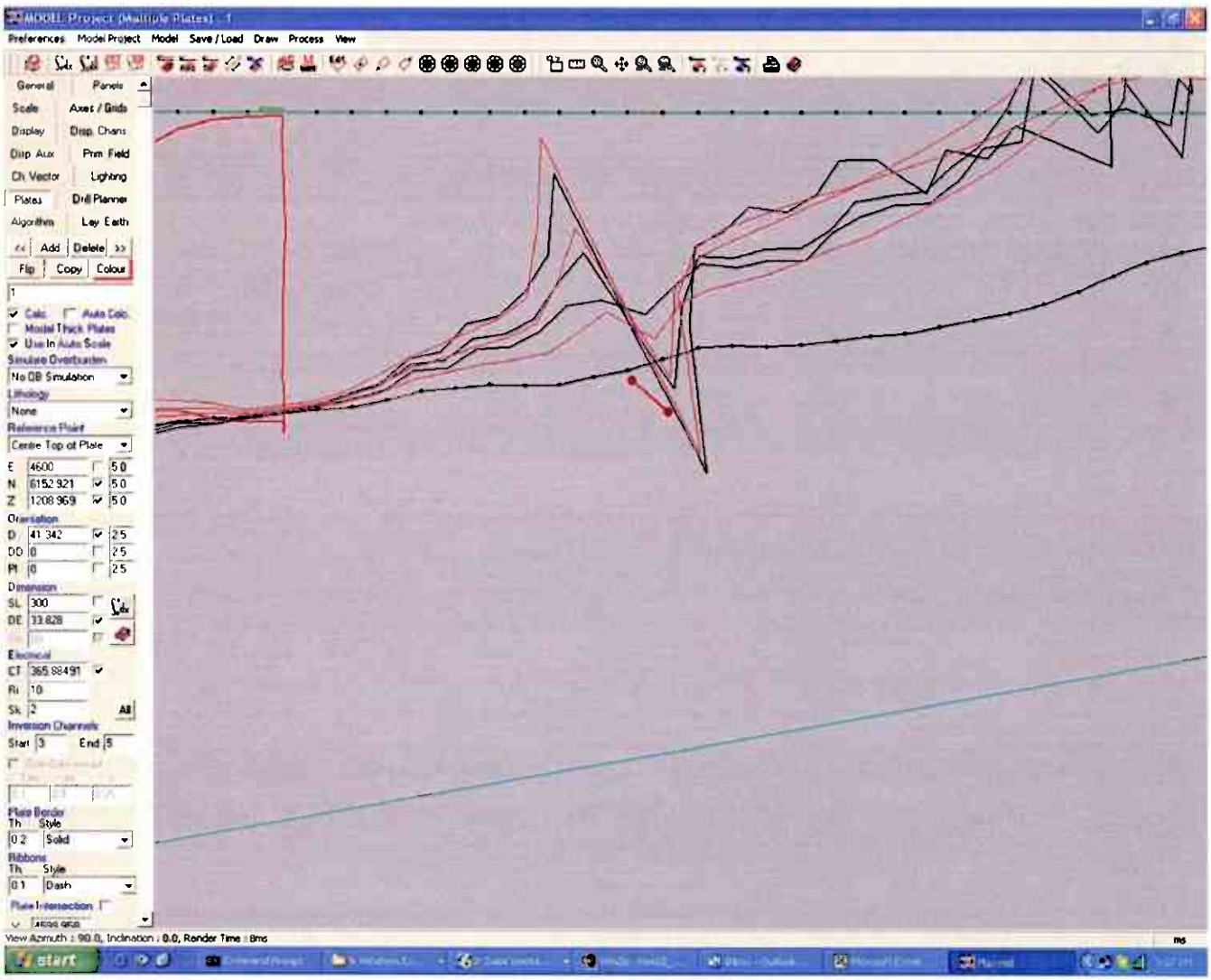
Appendix I

2005 In-house UTEM Maxwell Modelling

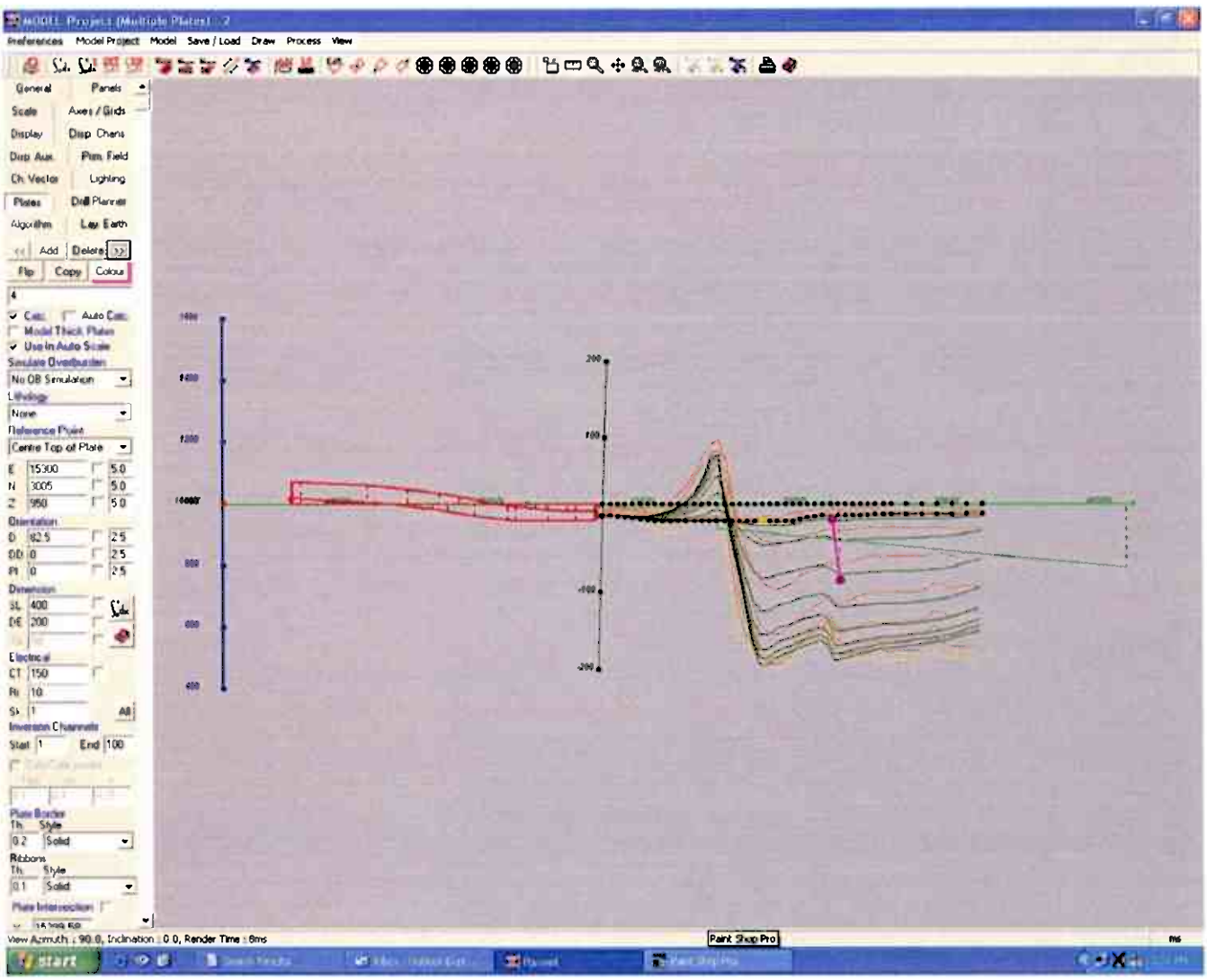
Espedalen Project, Oppland Province, Norway

Anthony Watts, Falconbridge Ltd for A/S Sulfidmalm.

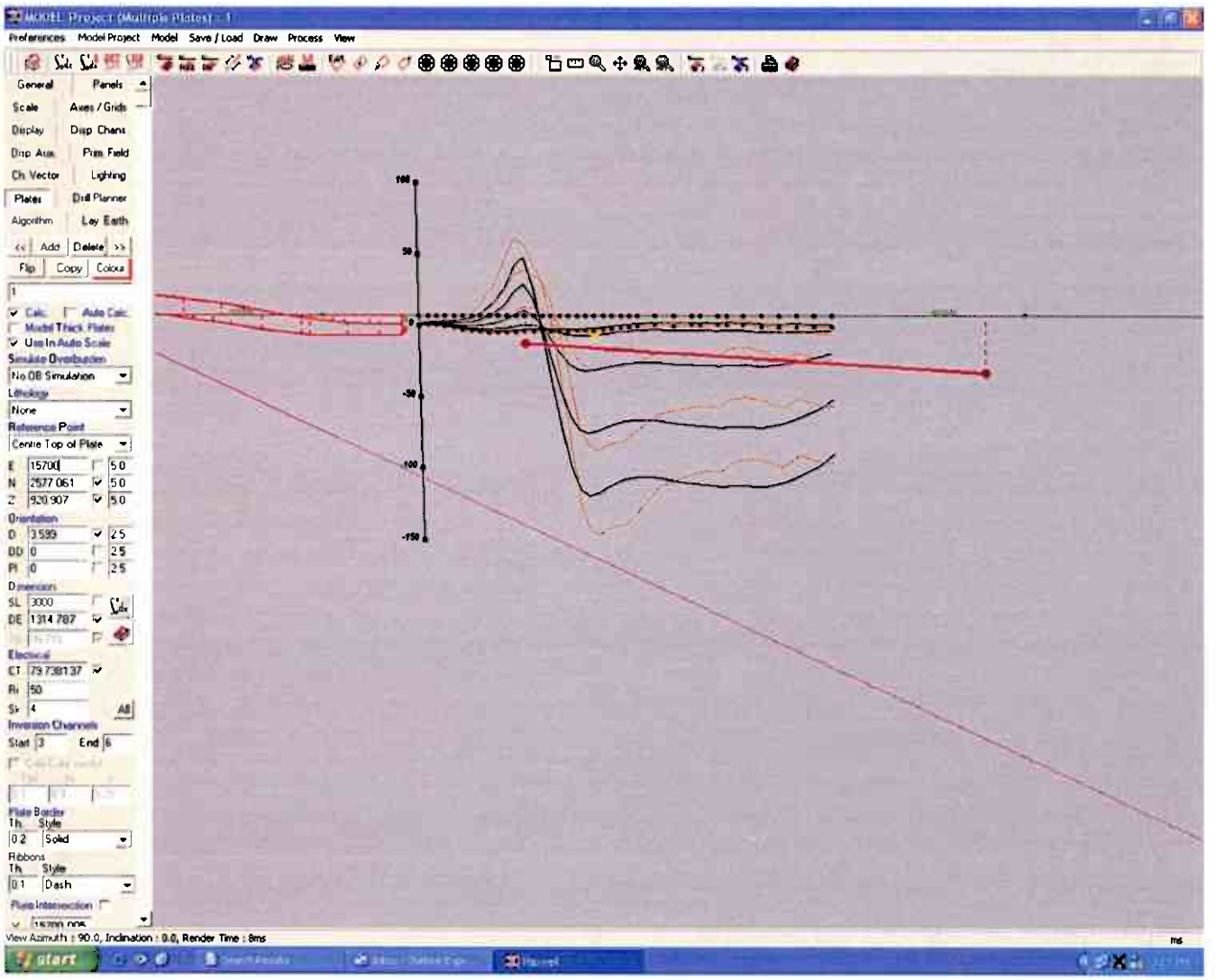
Maxwell Model for Loop 9, Line 4600E
(2004 UTEM Anomaly)



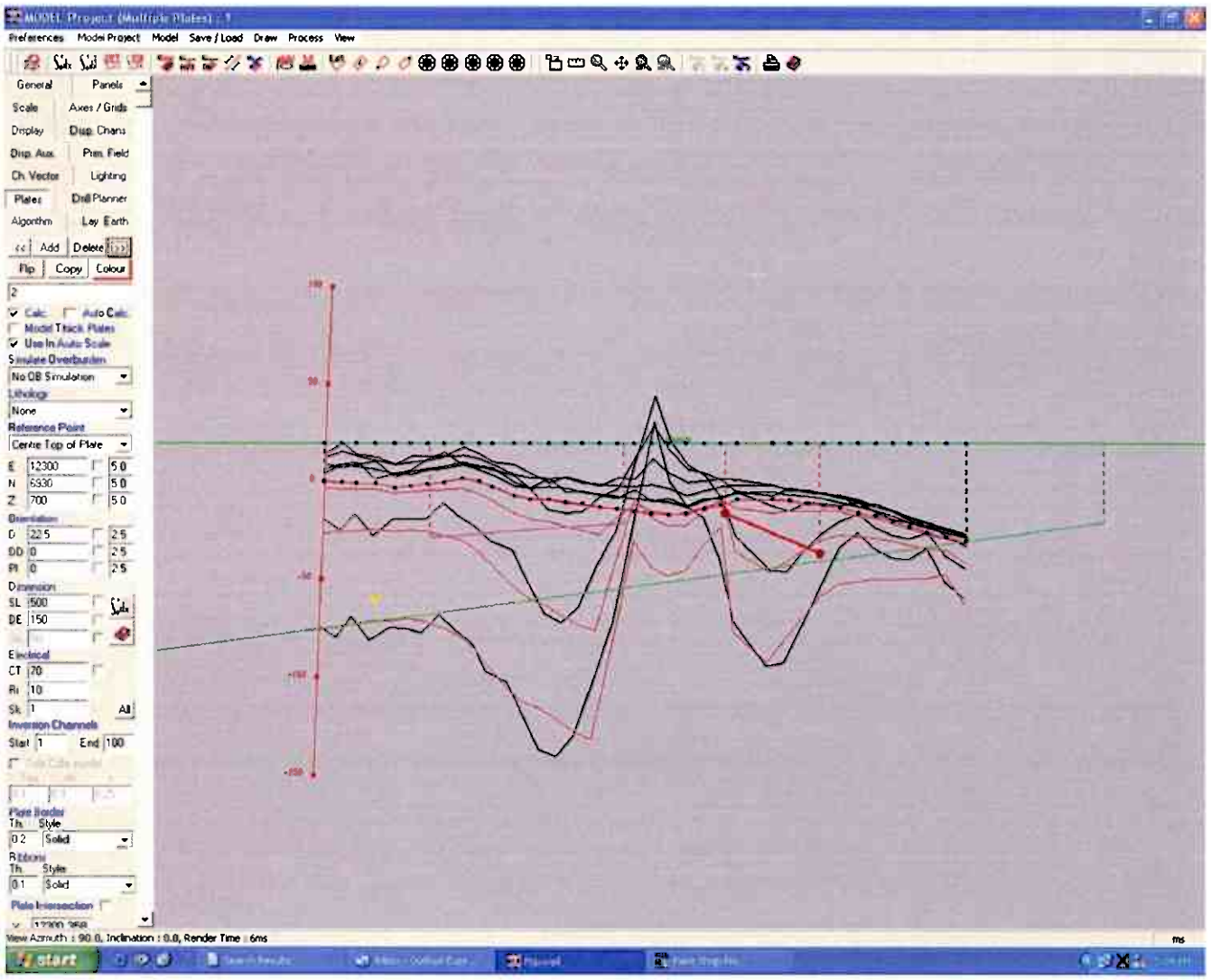
Maxwell Model for Loop 27, Line 15300E
(2005 UTEM Anomaly)



Maxwell Model for Loop 27, Line 15700E
(2005 UTEM Anomaly)



Maxwell Model for Loop 29, Eastern conductor
(2005 UTEM Anomaly)



Maxwell Model for Loop 29, Western conductor
(2005 UTEM Anomaly)