Till Sampling and Airborne Geophysical Programs Conducted in the Exploration for Diamonds

on the

Jackson Inlet Property

Mineral Claim numbers F45691, F65593, F69387, F69390, -92, -93, -95, F69400, -01, -02, -04, -05 , F71439, -40, -41, -42, -47, -48, -52, -53, -54, -55, -57, -58, -61, -62, -65, F72150, -75, -76, -77, -87, -88, -89, -90, -96, F72406, -14, -16, -30, -35, -36, -40, -44, -45, -49, F76619, -20, -75, -77, -82, -87, -88, -89, -90, -91, -92, -93, -95, -96, F76704, -05, -06, -09, -10, -12, -14, -21, -22, -30, -32, -33, -34, -49, -50, -60, -61, -67, -68, -78, -79, -81, -84, -85, -86, -87, -88, -89, F76805, -11, F83246, -79, F83311, -20, -27, -29, -34, -66, -76, F83428 and F83433

084095

NTS: 48B/05, -12, -13 & -14; 48C/03, -04, -05 & -06; 58A/08, -09 & -16; 58D/01, 58D/08
Latitude/longitude of centre: 87° 30' W and 72° 50' N
NAD 27 for Canada, UTM Zone 16

RECEIVED
MAR 13 2006
D.I.A.N.D.
IQALUIT, NU

Brodeur Peninsula, Baffin Island
Nunavut

Field work performed: 22 June 2004 to 28 August 2004; and, 01 June 2005 to 27 August 2005

By:
Dallas W. Davis, P.Geol.
Registration L1575, NU & NT

For:
Twin Mining Corporation

February 28, 2006
(incorporating subsequent amendments to this cover page, Figure 7, Annex 8 and Annex 9)

TABLE OF CONTENTS

	Page
Table of Contents	ii
Figures & Tables	iii
Annexes	iv
Maps	v
Introduction	1
Property Description	1
Property Geology	2
Previous Exploration	6
Exploration Programs	6
Airborne Geophysics - 2004	7
Discussion of year 2004 airborne survey results	9
Airborne Geophysics – 2005	11
Discussion of year 2005 airborne survey results	13
Till Sample Program – 2004	16
Collection and processing	16
Results	19
Personnel	21
Conclusions and Recommendations	22
Certification	23
References	24

FIGURES

Figure 1	Location of Jackson Inlet diamond exploration project	3
Figure 2	Jackson Inlet – Claims by Staking Year	4
Figure 3	Jackson Inlet property outline, airborne magnetic survey coverage in 2004-5, till sampling coverage 2001-4 and distribution of heavy minerals in till	5
Figure 4	Anomaly B1_48 showing enhanced total field magnetics, calculated Vertical gradient, total field and vertical gradient profiles	10
Figure 5	Anomaly B1_19 showing same as above	10
Figure 6	Anomaly B2_06 showing same as above	11
Figure 7	Magnetic survey blocks for year 2005 survey and significant anomalies	12

TABLES

Table 1	Magnetic anomalies selected in survey Block 1 (East Jackson Inlet) by Kennecott (Canada) Exploration Inc. from flight data of Fugro Airborne Surveys	7
Table 2	Magnetic anomalies selected in survey Block 2 (West Jackson Inlet) By Kennecott (Canada) Exploration Inc. from flight data of Fugro Airborne Surveys	9
Table 3	Significant magnetic anomalies selected from year 2005 flight data by Fugro Airborne Surveys	14
Table 4	Till sampling statistics	18
Table 5	Kimberlite indicator minerals verified by microprobe – till sampling program 2004	19
Table 6	List of personnel for year 2004 till sampling program	21

ANNEXES

ANNEX 1 Fugro Airborne Surveys Logistics and Processing Report – Year 2004 MIDAS Magnetic Horizontal Gradient Survey

ANNEX 2 Fugro Airborne Surveys Logistics and Processing Report – Year 2005 MIDAS Magnetic Horizontal Gradient Survey

ANNEX 3 Magnetic Anomalies Selected by Fugro Airborne Surveys – Year 2005 Survey

ANNEX 4 Till Sample Numbers and Coordinates – Year 2004 Jackson Inlet Project

ANNEX 5 Heavy Mineral Concentrate Data for Till Samples Processed by Vancouver Indicator Processors Inc.

ANNEX 6 Kimberlite Indicator Minerals Visually Selected at HDM Laboratories Inc. from Heavy Mineral Concentrates Prepared from Till Samples by Vancouver Indicator Processors Inc. and Verified by Ingrid Kjarsgaard at Carleton University on the Basis of Electron Microprobe Analyses

ANNEX 7 Interpretation by Bruce Craig Jago of Electron Microprobe Analyses by Ingrid Kjarsgaard for Mineral Grains Selected by HDM Laboratories Inc.

ANNEX 8 Schedule of Claims on Which Representation Work Filed

ANNEX 9 Statements of Expenditure, Jackson Inlet Project – 2004 Till Sampling Program and Airborne Geophysical Survey, and, 2005 Airborne Geophysical Survey

Statement of expenditures for year 2004 till sampling program

Contribution of year 2004 till sampling program on Jackson Inlet/Brodeur mineral claims to new work reported on Form 9, Statement of Representation Work

Statement of expenditures for year 2004 aeromagnetic program

Statement of expenditures for year 2005 aeromagnetic program

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported

MAPS

		Map Pocket
Map 1	Block 1 – East Jackson Inlet, Year 2004 Magnetic Survey – Flight Lines, Twin Mining Claims and Topography – Fugro MIDAS II™ Aeromagnetic Survey by Fugro Airborne Surveys	1
Map 2	Block 2 – West Jackson Inlet, Year 2004 Magnetic Survey – Flight Lines, Twin Mining Claims and Topography – Fugro MIDAS II™ Aeromagnetic Survey by Fugro Airborne Surveys	2
Map 3	Block 2 – West Jackson Inlet, Flight Lines and Total Field Magnetics for Fugro MIDAS II™ Aeromagnetic Survey by Fugro Airborne Surveys, June-July 2004	2
Map 4	Block 1 – East Jackson Inlet, Measured Horizontal Gradient for Fugro MIDAS II™ Aeromagnetic Survey by Fugro Airborne Surveys, June-July 2004	1
Map 5	Block 2 – West Jackson Inlet, Measured Horizontal Gradient for Fugro MIDAS II™ Aeromagnetic Survey by Fugro Airborne Surveys, June-July 2004	2
Map 6	Block 1 – East Jackson Inlet, Flight Lines and Total Field Magnetics for Fugro MIDAS II™ Aeromagnetic Survey by Fugro Airborne Surveys, June-July 2004	1
Map 7	Brodeur Project – Till Sampling, July-August 2004 – Mineral claims, sample numbers and locations of till samples collected in 2004	11
Map 8	Brodeur Project – Till Sampling, July-August 2004 – Distribution of pyrope, eclogitic garnet, chrome diopside and ilmenite visually selected at HDM Laboratories, Inc. from till samples collected in 2004	12
Maps for CG1 Test Block – 05	1 map each of: Total Magnetic Field Measured Horizontal Magnetic Gradient Calculated Vertical Magnetic Gradient	3
Maps for Block 1 – 05	Block 1 – 05 is divided into sheets numbered 1 to 6, for which each sheet has 3 maps: Total Magnetic Field Measured Horizontal Magnetic Gradient Calculated Vertical Magnetic Gradient	4
Maps for Block 2 – 05	Block 2 – 05 is divided into sheets numbered 1 to 5, for which each sheet has 3 maps: Total Magnetic Field Measured Horizontal Magnetic Gradient Calculated Vertical Magnetic Gradient	5
Maps for Block 3 – 05	1 map each of: Total Magnetic Field Measured Horizontal Magnetic Gradient Calculated Vertical Magnetic Gradient	6
Maps for Block 4 – 05	1 map each of: Total Magnetic Field Measured Horizontal Magnetic Gradient Calculated Vertical Magnetic Gradient	7
Maps for Block 5 – 05	1 map each of: Total Magnetic Field Measured Horizontal Magnetic Gradient Calculated Vertical Magnetic Gradient	8
Maps for Block 6 – 05	1 map each of: Total Magnetic Field Measured Horizontal Magnetic Gradient Calculated Vertical Magnetic Gradient	9
Maps for Block 7 – 05	1 map each of: Total Magnetic Field Measured Horizontal Magnetic Gradient Calculated Vertical Magnetic Gradient	10

INTRODUCTION

This report describes the technical results of airborne geophysical and till sampling programs of which the field components were conducted from 22 June 2004 to 28 August 2004 and 01 June 2005 to 27 August 2005. These 2004 and 2005 programs represented the early stage of exploration of large property holdings for occurrences of diamondiferous kimberlite. No work was completed on the known Freightrain kimberlite. In the case of the Cargo 1 kimberlite, the only work consisted of 75.6 kilometers (km) of airborne magnetic survey lines in 2005 to provide baseline data over a known kimberlite pipe in the anticipation that such data would facilitate selection of the most valid drill targets from those anomalies detected elsewhere in the claim group. All claims to which Representation Work has been applied in this report are registered to Twin Mining Corporation, the owner of a 100 per cent interest in title.

PROPERTY DESCRIPTION

The Jackson Inlet mineral claims are located in the central portion of the Brodeur Peninsula of northern Baffin Island. All except 10 of the 532 claims registered to Twin Mining Corporation are contiguous and, in total, cover 1,254,029.31 acres. They span the width of the Brodeur Peninsula at the latitude of Jackson Inlet (approximately 73° 15' N) and extend 125 km north from latitude 72° 15' N. The property includes claims staked in years 1998 and 2000 through 2003. The Brodeur Peninsula is bounded by Admiralty Inlet on the east, Lancaster Sound on the north and Prince Regent Inlet on the west. This report presents Representation Work applied to 305 claims covering an area of 717,837.05 acres. See ANNEX 8 for the schedule of claims from the Form 9 filing which lists these specific claims and the new work filed for each.

Figure 1 is a location map showing the relationship of Jackson Inlet to Nunavut and Canada as a whole. Figure 2 depicts the north portion of the Brodeur Peninsula of Baffin Island and shows year of staking for groups of mineral claims that comprise the Jackson Inlet property. Figure 3 is an oblique view showing the property outline, the 2004 and 2005 aeromagnetic survey blocks, all till sampling points to the end of 2004 and a three dimensional depiction of the weight of the heavy mineral fraction in each 20-litre till sample.

The Jackson Inlet property surrounds and extends east, south and west from the initial discovery, the Freightrain kimberlite pipe. The Freightrain pipe is located 12 km east of tidewater on the west coast of the Brodeur Peninsula, 3.3 km south of Jackson River at 73°14' 48" latitude north and 88°16' 12" longitude west. The former Nanisivik Zinc Mine and the community of Arctic Bay are approximately 120 and 100 km to the east of the Freightrain kimberlite, respectively. Nanisivik airport is serviced by scheduled commercial jet flights from Ottawa and Yellowknife via Iqaluit. Two marine shipping companies also service the area. Access to the property from Nanisivik airport is by helicopter or Twin Otter across Admiralty Inlet to Brodeur Peninsula.

Map 7 (in pocket) shows topography, watercourses, locations and numbers of all till samples collected during the 2004 field season, and, all Twin Mining's Jackson Inlet/Brodeur Project mineral claims with their names, numbers and boundaries. Maps 1 and 2 (in pockets) show the year 2004 Fugro MIDAS II™ aeromagnetic survey flight lines in relation to named and numbered mineral claims, topography and watercourses. For the year 2005 Fugro MIDAS II™ aeromagnetic survey, maps depicting the claims, flight lines and available topography are in pockets 3 to 10.

All exploration on the property has been conducted or directed by Twin Mining Corporation.

PROPERTY GEOLOGY

Baffin Island can be divided into two blocks with contrasting geological histories. The northern part consists of the 3.0 - 2.5 Ga Committee belt. This belt extends northeast for at least 2000km from southwest of Baker Lake to northwestern Greenland. It is characterised by episodic felsic plutonism and greenschist to upper amphibolite facies supracrustal belts. The 1.9-1.8 Ga Baffin Orogen comprises the rest of Baffin Island, where it overprints the Committee belt. The Baffin Island Orogen forms part of the northeastern Trans-Hudson Orogen, and extends into western Greenland, Melville Peninsula and northern Quebec-Labrador.

In addition to these two main lithotectonic units, Baffin Island has been divided into eight tectonic domains on the basis of differences in aeromagnetic character, structural features, lithology, faults and lineaments, and geochronology. In northern Baffin Island, there is general continuity in lithologies across these domain boundaries, with the exception of several basins that consist of younger sediments.

The Brodeur Peninsula represents the southeast margin of one of the basins containing younger sediments. Cliffs of sub-horizontal or slightly west-dipping fossiliferous, chert-bearing and locally petroliferous* Ordovician and Silurian carbonates form the margins of a plateau of which the peninsula is a remnant. Minor shale and sandstone interbeds are present. As streams approach the coast, they are deeply incised. Limestone boulders and cobbles in a matrix of yellow clay is the predominant till composition. Although large non-limestone glacial erratics are rare, there is an ablation-like veneer of exotic cobbles and boulders which appears to be confined to the exposed till surface. Twin Mining geologists observed no eskers, kames or glacial striae. Locally goethite nodules and bands are present near the till surface or, where till is shallow, at the till bedrock interface. This goethite is most notable in areas of least erosion and where there also is an apparent decrease in the proportion of silicate relative to oxide kimberlite indicator minerals. Whether this and the goethite are evidence of a period of tropical weathering has not been determined.

Underling the Paleozoic carbonates of the Brodeur Peninsula are Upper Proterozoic rocks and high-grade metamorphic Archean gneisses which form the basement to the east.

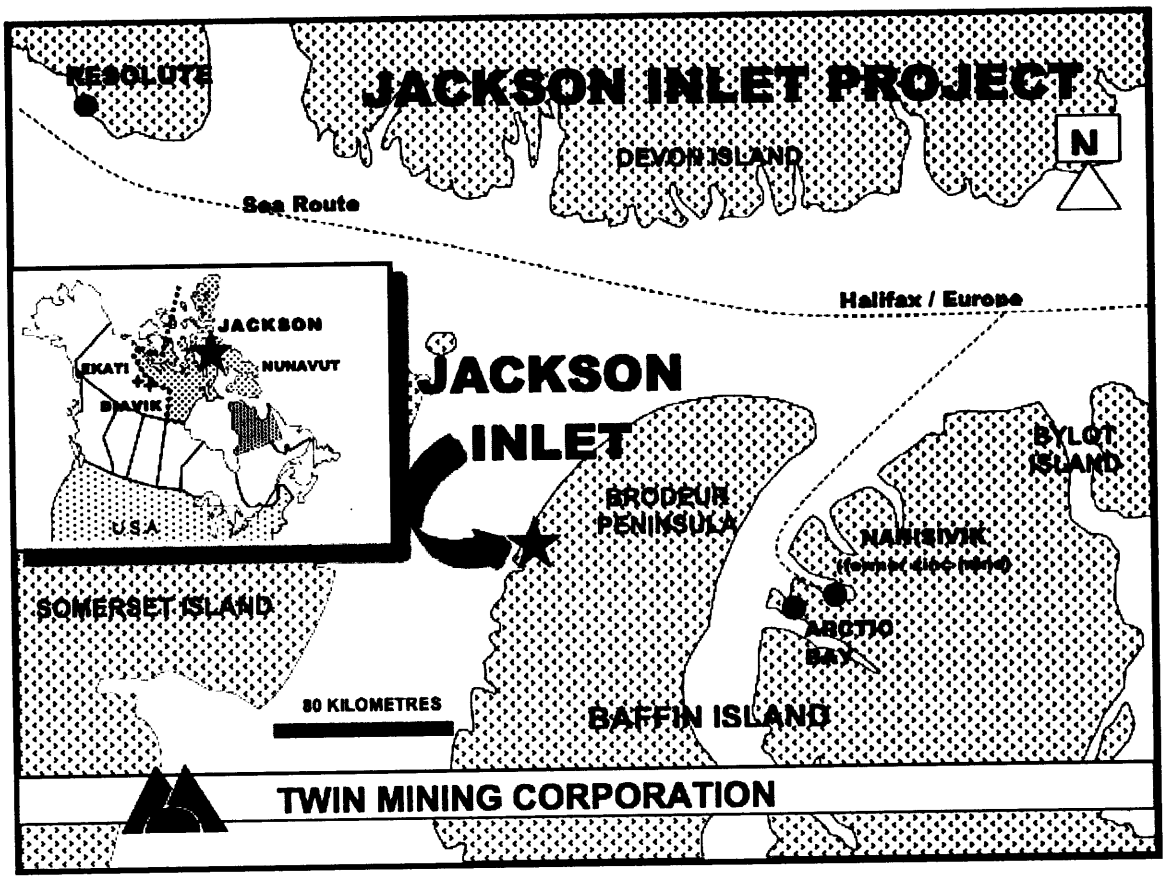
Kimberlites are intruded through the Ordovician and Silurian limestones. These kimberlites are thought to be cretaceous in age (103Ma, Mason, 1993),

Because the immediate area around the Freightrain kimberlite is near the coast and the Jackson River, erosion has exposed limestone bedrock and a portion of the kimberlite. The Freightrain surface expression is as three dark brown to black circular patches located within a larger circular area that is approximately 15 hectares (ha) and light grey-brown in colour. The surrounding limestone has the gray colouration typical of limestone throughout the Brodeur Peninsula. It is thought that the slightly brown colouration of the thin veneer of limestone-derived till adjacent to the kimberlite results from the weathering of limestone that was dolomitised by the introduction of magnesium from the kimberlite magma.

Upper Proterozoic rocks underlying Brodeur are interpreted to have formed in a rift environment. A final regional structural event that effected the area was a period of Cretaceous-Tertiary Eurekan rifting. This event was thought to have re-activated many of the pre-existing structures (Mitchell, 1988), creating lines and nodes that have served as channel ways for kimberlite magma.

* locally the limestone omits a hydrocarbon odour when a fresh surface is initially exposed

Figure 1. Location of Jackson Inlet diamond exploration project.



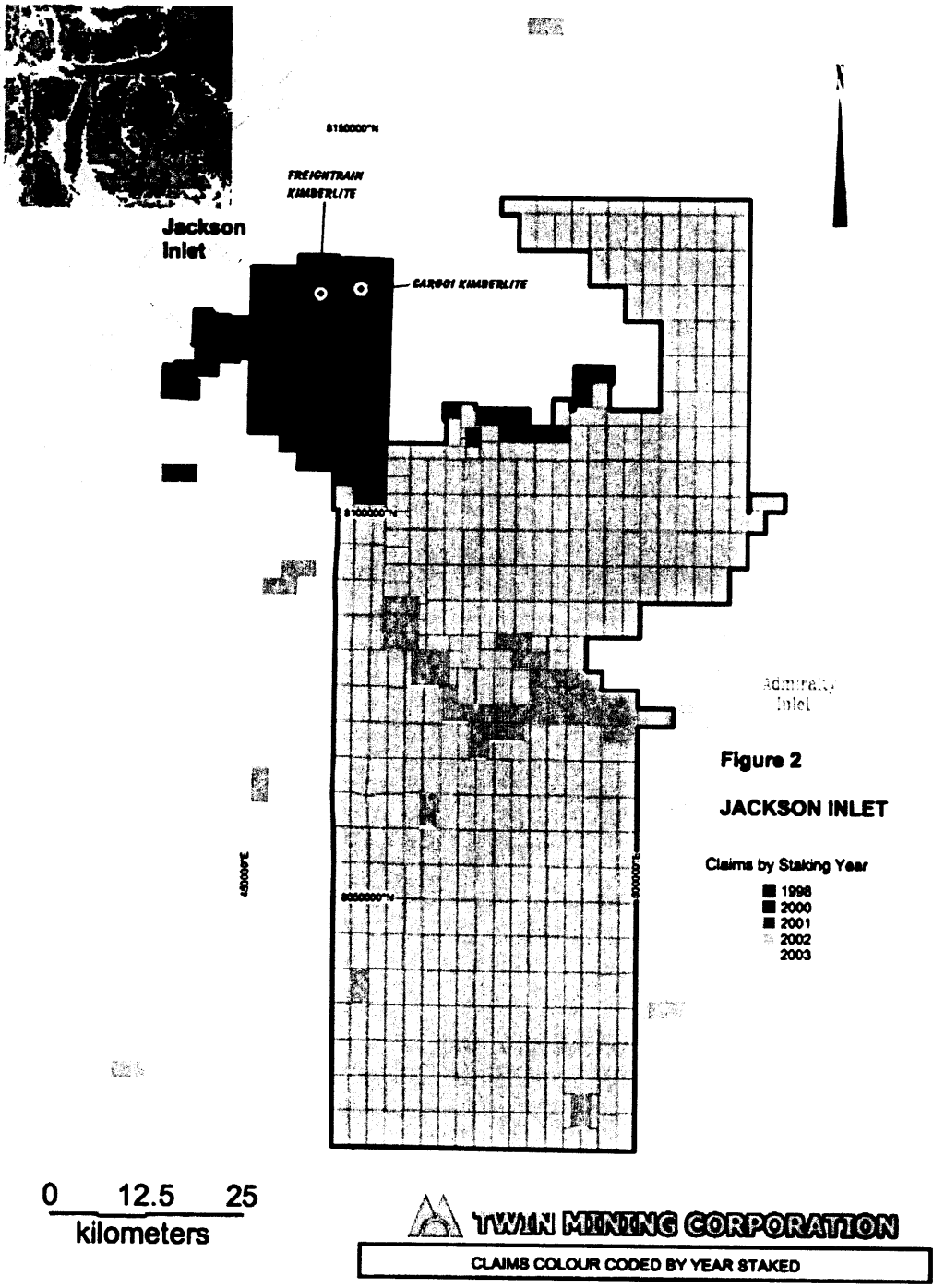
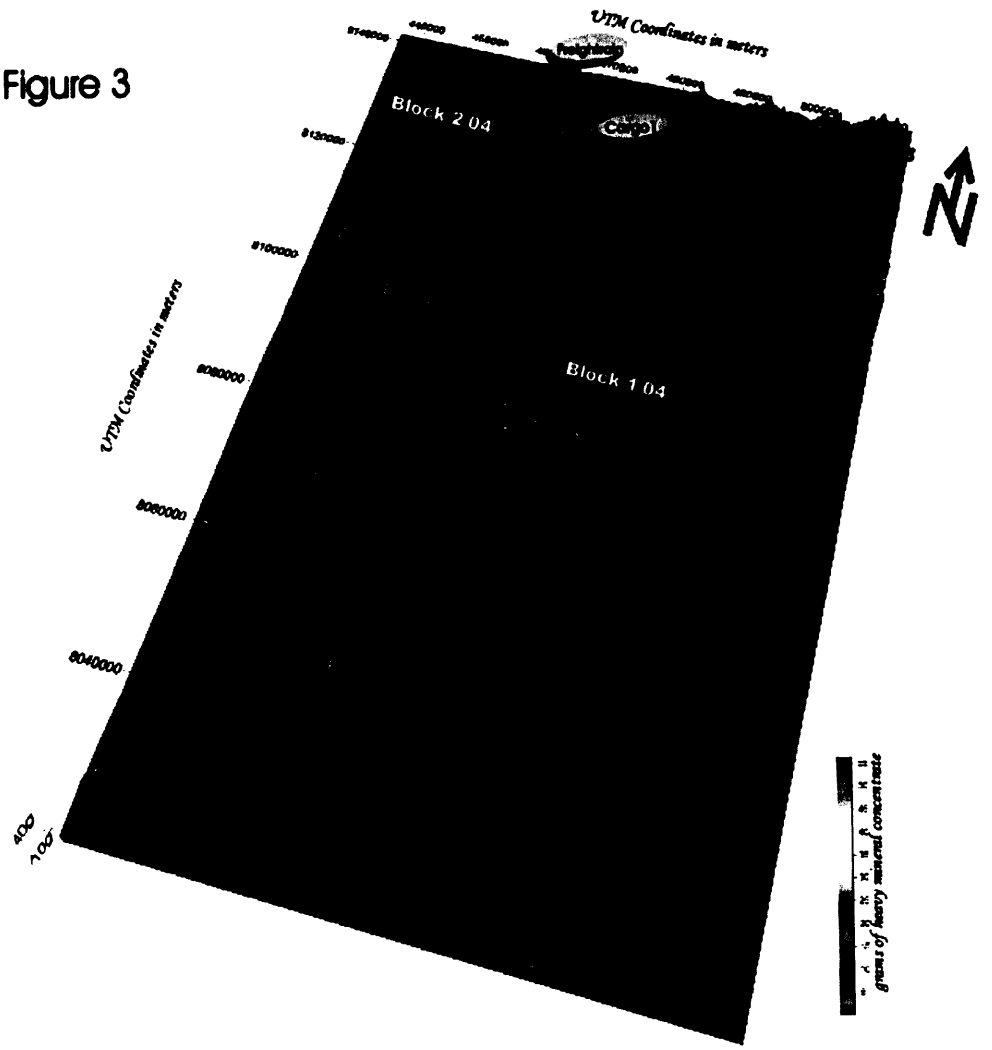

Jackson Inlet
FREIGHTTRAIN KIMBERLITE
CARGO1 KIMBERLITE
N
Admiralty Inlet
Figure 2
JACKSON INLET
Claims by Staking Year
1998
2000
2001
2002
2003
0 12.5 25
kilometers
TWIN MINING CORPORATION
CLAIMS COLOUR CODED BY YEAR STAKED

Figure 3



Twin Mining Corporation

Jackson Inlet property outline, airborne magnetic survey coverage in 2004-5, till sampling coverage 2001-4 and distribution of heavy minerals in till.

Blocks /04 and /05 surveyed in June-July 2004 and 2005, respectively, with Fugro Airborne Survey's MIDAS II™ high resolution boom mounted helicopter horizontal magnetic gradiometer system. Till sample locations are depicted as red dots and the weight of +2.96 specific gravity heavy mineral concentrate recovered from each 20 litre sample is illustrated in 3-D.

*Information current to September, 2005

PREVIOUS EXPLORATION

North Baffin Island and the surrounding islands have been explored for diamonds as far back as the 1970's when Cominco, during the course of exploration for base metals, discovered a number of kimberlite intrusives. De Beers subsequently sampled some of the 20 kimberlite bodies known to occur on Somerset Island 70 km west of the Brodeur Peninsula. The relatively few diamonds recovered from samples and the chemistry of kimberlite indicator minerals suggested a low commercial potential. Many subsequent studies on Somerset Island kimberlite bodies have confirmed this low potential.

In July and August 1993, Lumina Investments Corporation conducted widespread stream sediment sampling for heavy/kimberlite indicator minerals and a local ground magnetic survey on Brodeur Peninsula (Assessment Report 083325, Ian M. Mason, Jan. 1994) and noted one, or possibly two, kimberlite bodies that the company staked as claim Zulu-1. It is believed that these had been discovered by Cominco in 1975. Lumina sampled the Zulu-1 bodies and the kimberlite returned both peridotitic and eclogitic garnets. Although it is not clear whether microdiamond recovery was completed on the samples, Lumina decided to drop the option in 1996 due to lack of funds (Robertson, R. 2001).

In 1998, the Zulu-1 site was staked as the Freightrain claim by Fred Tatarnic who had been the helicopter pilot for the Lumina work. He suspected that the kimberlite bodies had not been tested for diamonds and succeeded in discovering a white transparent 0.768 carat diamond in a sample of the decomposed kimberlite which he had collected in August 1998. In April 2000, Helix Resources Inc., a private company with which Mr. Tatarnic had associated, signed a letter agreement which granted Twin Mining Corporation the option to acquire a 100% interest in the Freightrain claim as well as two other claims.

Representation Work report number 84331 dated 27 November 2000 was submitted by Dallas Davis on behalf of Fred Tatarnic. It details results of work done on the Freightrain claim from 1998 to 2000, including prospecting, sampling, trenching, geochemistry and petrography.

Representation Work report 84496 submitted by Richard Roy on behalf of Twin Mining Corporation details results of work done on the Jackson Inlet property from 2001 to early 2002, including FUGRO-SIAL airborne geophysics, ground geophysics, sampling, drilling and mini-bulk sampling.

For Representation Work performed from 17 July 2002 to 23 August 2003, a report was drafted and submitted in March 2004 by Richard Roy. It was amended by Audrey L. Perry and submitted in December 2005 on behalf of Twin Mining Corporation.

EXPLORATION PROGRAMS

The field programs for the summers of 2004 and 2005 that are covered by this report consisted of till sampling and an airborne magnetic survey in 2004 and, in 2005, an airborne magnetic survey. All of the work was dedicated to locating kimberlite drill targets other than the two known pipes, Cargo 1 and Freightrain. Because the the field sampling area in 2004 was for the most part either closer to Nanisivik or equidistant from Nanisivik and Twin Mining's Jackson Camp at 73° 16' 36.2"N latitude and 88° 16' 15.5"W longitude, the former Nanisivik mine site served as base of operations for till sampling. The 2004 magnetic survey base of operations was the St. Joseph field camp of Kennecott (Canada) Exploration Inc. on the Jackson River at 73° 14' 56.4"N latitude and 87° 57' 43.5"W longitude. The 2005 bases of operation were the Nanisivik airport (June 1-July 20) and Twin Mining's Jackson Camp (July 20-August 13).

Airborne Geophysics - 2004

Fugro Airborne Surveys carried out an airborne geophysical program over Twin Mining claims during the period 26 June - 31July 2004, with arrival of the survey helicopter on June 22nd and demobilization from the St. Joseph Camp on 2 August 2004. The program, funded and directed by Kennecott (Canada) Exploration Inc., consisted of a Bell 206A helicopter-mounted multi-sensor MIDAS horizontal gradiometer survey over two blocks (see Figure 3 and, in pockets, Maps 1 through 6), namely, an eastern block hereafter referred to as Block 1 or the East Jackson Inlet Block and a western block hereafter referred to as Block 2 or the West Jackson Inlet Block.

A total of 119 mineral claims were covered in whole or in part by the airborne magnetic survey. Sixty four (64) of these claims were the focus of the Block 1 survey centred on north latitude 73°00' and west longitude 87°30' within NTS map sheets 048C04 and 048B13. The other fifty five (55) claims were the focus of the Block 2 survey centred on north latitude 73°10' and west longitude 88°15' within NTS map sheets 058D01, 058D08, 048C03 and 048C04.

Traverse lines were oriented on an azimuth of 000°/180°T (true with respect to UTM North) and control lines were oriented at 090°/270°T. A total of 15,567.9 line km of data was collected with 8,955.2 line km over Block 1 and 6,612.7 line km over Block 2. Traverse lines where flown on a spacing of 50 m for Block 1 and 75 m for Block 2, with a control line separation of 1000 m. Survey height was a nominal 30 m. The Fugro Airborne Surveys logistics report in ANNEX 1 provides documentation on personnel, equipment specifications, calibrations and data processing. Plan maps for Block 1 and Block 2 showing the line path, total field and measured horizontal gradient data are in Pocket 1 (Block 1 - Maps 1, 4 and 6) and Pocket 2 (Block 2 – Maps 2, 3 and 5).

Due to the local geology, that is, thick platform sediments over Archean basement, the background variations of the magnetic field are mainly due to large-scale deep-seated features. This setting improves the likelihood of identifying smaller and possibly lower amplitude anomalies. Magnetic surveys on surrounding properties have shown that the known kimberlites in the area display a monopolar magnetic high signature. Individual anomalies recognized in processed airborne data consist of discrete magnetic features representing either 'highs' or 'lows' relative to background data. Typically, these features are less than one kilometer in diameter.

Careful inspection of the data by geophysical staff of Kennecott (Canada) Exploration Inc. resulted in the selection of sixty-five anomalies in Block 1 (B1_01 to B1_65) and twenty-two anomalies in Block 2 (B2_01 to B2_22). The magnetic gradient data assisted in prioritization of subtle anomalies. The location and description of the anomalies can be found below in Tables 1 and 2. Maps in Pockets 1 and 2 were provided in digital form to Twin Mining Corporation by Kennecott (Canada) Exploration Inc.

Table 1. Magnetic anomalies selected in survey Block 1 (East Jackson Inlet) by Kennecott (Canada) Exploration Inc. from flight data of Fugro Airborne Surveys. All locations are in NAD27, Canada Mean, UTM Zone 16.

X (East, m)	Y (North, m)	ANOMALY	LINE	FID	# OF LINES	STRENGTH (nT)
474887.33	8089455.07	B1_01	L10030	2871.2	3	3.5
474989.28	8089859.15	B1_02	L10050	4477.3	3	2
474986.39	8088637.06	B1_03	L10051	4508.3	2	1.5
475188.45	8101195.86	B1_04	L10090	3714.2	3	5
475529.76	8100015.16	B1_05	L10160	7184.5	2	1
476580.81	8092788.72	B1_06	L10370	2921.3	2	2
476583.58	8103303.05	B1_07	L10370	2634.6	2	2
476874.56	8097826.46	B1_08	L10430	7320.3	1	1
478140.11	8091673.62	B1_09	L10680	4641.1	1	1.5

478479.95	8091618.29	B1_10	L10750	2751.2	1	1
478632.90	8104872.98	B1_11	L10780	5066.3	1	3.5
478685.72	8089528.31	B1_12	L10790	5954	1	2
478878.61	8089729.40	B1_13	L10830	9121.8	2	1
479145.95	8089760.84	B1_15	L10880	2956.2	2	2
479547.32	8090972.95	B1_16	L10960	9237.4	1	2
479589.68	8089854.74	B1_17	L10970	1348	2	5
480799.04	8103106.77	B1_19	L11210	1832.7	3	8.5
480937.83	8103546.57	B1_20	L11240	3831.4	3	5.5
481219.19	8103810.94	B1_21	L11300	8307.8	1	2
481393.09	8105627.21	B1_22	L11330	1981.9	2	4
481684.5	8107384.68	B1_23	L11390	6452.7	1	2
481782.56	8105675.93	B1_24	L11410	7867.7	2	2.2
481824.03	8106494.71	B1_25	L11420	685.9	2	1.5
481826.73	8107025.61	B1_26	L11420	672.1	1	1.2
482133.24	8105640.24	B1_27	L11480	5060	2	2
482226.88	8105214.79	B1_29	L11500	1078.1	2	5
480827.14	8090148.85	B1_30	L11220	2722.8	3	2
481233.36	8093297.99	B1_31	L11300	8583.6	1	2
481226.16	8091290.37	B1_32	L11300	8635.8	1	3
481389.83	8090178.92	B1_33	L11330	1466.8	1	1.5
481593.19	8090270.24	B1_34	L11370	4429.1	1	2.5
482432.67	8101905.98	B1_35	L11540	2881.8	3	7
482804.44	8102027.70	B1_36	L11610	8543	1	1.5
484027.90	8101907.02	B1_39	L11860	820.2	1	2
484200.31	8101846.72	B1_40	L11890	3217.6	2	2.2
483720.18	8110614.34	B1_41	L11800	5298.9	3	8
483623.71	8111103.02	B1_44	L11780	3739.7	1	3.5
483837.62	8109432.99	B1_45	L11820	6940.8	2	3.5
484129.02	8110359.09	B1_46	L11880	2086.7	5	5
484124.88	8097061.16	B1_47	L11880	2465.1	2	2
490975.69	8109958.03	B1_48	L13250	3048.8	4	12.5
491176.14	8109850.63	B1_49	L13290	4714.1	3	11
488437.69	8103771.93	B1_50	L12740	3869.1	2	4
488646.96	8103768.52	B1_51	L12780	7480.3	1	2
489523.36	8100031.88	B1_52	L12960	4752.7	3	10
486880.41	8106557.74	B1_53	L12430	5176.3	2	3
486427.70	8106501.81	B1_54	L12340	5743.4	2	2.5
487102.20	8106569.96	B1_55	L12470	8644.7	1	2
486592.38	8108745.20	B1_56	L12370	543.5	1	2.5
491881.86	8110820.67	B1_57	L13430	1482	1	4
492338.73	8111380.33	B1_58	L13520	5918.8	1	6
493234.19	8103291.20	B1_59	L13700	4343.3	1	5
493044.00	8109297.00	B1_60	L13660	2717	1	2.5
492334.00	8106936.00	B1_61	L13520	5722.8	1	2.5
491127.00	8109344.00	B1_62	L13280	4294.4	1	2
491729.00	8109914.00	B1_63	L13400	9309.8	1	1.5
492337.00	8112560.00	B1_64	L13520	6044.8	1	1.5
486577.00	8106515.00	B1_65	L12370	608.6	1	1

Table 2. Magnetic anomalies selected in survey Block 2 (West Jackson Inlet) by Kennecott (Canada) Exploration Inc. from flight data of Fugro Airborne Surveys. All locations are in NAD27, Canada Mean, UTM Zone 16.

X (East, m)	Y (North, m)	ANOMALY	LINE	FID	# OF LINES	STRENGTH (nT)
440256.66	8123365.61	B2_01	L20210	2248.1	2	2
440472.31	8123526.11	B2_02	L20245	1817.2	1	65
442559.06	8123842.32	B2_03	L20520	4193.1	1	3
442341.95	8123594.98	B2_04	L20490	2820.8	3	11
443398.72	8123576.45	B2_05	L20630	5201.8	1	1
443611.93	8123153.95	B2_06	L20660	908.9	1	9
444217.10	8123508.20	B2_07	L20740	5179.7	1	1.5
441588.70	8122260.60	B2_08	L20390	2579.5	1	1.5
448572.51	8126188.85	B2_09	L21320	3998.3	5	2.5
449021.21	8125263.71	B2_10	L21380	6491.8	4	1
449625.24	8124475.20	B2_11	L21460	2048.4	1	2
452543.00	8113112.85	B2_12	L21850	2217.3	1	3
451710.65	8111128.27	B2_13	L21740	1016.3	1	3
450670.90	8110806.11	B2_14	L21600	5164.8	1	6
466688.31	8120685.87	B2_15	L23740	2006.9	1	2.5
465866.05	8119887.86	B2_16	L23630	9315.5	1	4
465733.03	8118881.33	B2_17	L23610	1663.4	1	3.5
464165.71	8120506.70	B2_18	L23400	2763.2	2	2.5
459059.51	8111192.86	B2_19	L22720	7471.6	2	2
460480.27	8115657.55	B2_22	L22910	3377.1	3	3
461305.96	8115312.96	B2_23	L23021	4207.5	2	5
458759.67	8117322.89	B2_21	L22680	2472.7	2	3
463488.40	8117080.82	B2_20	L23310	1679	3	2.5
461609.47	8119196.16	B2_21	L23060	1515.8	1	1
449912.23	8122075.88	B2_22	L21500	4810.7	2	1

Discussion of year 2004 airborne survey results

This Fugro aeromagnetic survey areas covered portions of the area surveyed by Fugro Sial for Twin Mining Corporation in year 2001 utilizing an Astar AS350BA helicopter and a Geometrics G822A Cesium Vapour split beam magnetometer installed along with electromagnetic instrumentation in a rigid Kevlar towed bird of 8 m length (see Representation Work report 84496 submitted by Richard Roy).

The anomalies selected by Fugro Sial in 2001 in the area overlapped by the 2004 survey are Ano4a in mineral claim BP13 (0.6 to 1.1 nT, depending on flight line direction), Ano4b in claim BP14 (1.5 to 5.5 nT), Ano5 in claim EMILY (12.0 to 12.41 nT), Ano6 in claim ROBYN (4.0 to 4.63 nT), Ano7 in claim KRISTA SOUTH (2 nT) and Ano8 in claim JADE (5.0 to 5.7 nT). No satisfactory explanation is evident as to why Fugro's MIDAS II™ survey in 2004 detected Ano8 as B1_46 (5 nT), but none of the others were duplicated.

Flight line spacing of the 2001 aeromagnetic survey was 250 m with follow-up lines at 100 m spacing over all except Ano8 which was at 50 m spacing. B1_46 (Ano8) was detected by the 2004 survey at 50 m line spacing. The year 2004 flight line spacing over all the other year 2001 anomalies listed in the above paragraph was 75 m.

Anomaly profiles, strengths and the nearby presence or absence of kimberlite indicator minerals were considered in deciding that initial ground magnetometer and drill testing should focus on

anomalies B1_04, B1_19, B1_20, B1_35, B1_46, B1_48, B1_49, B1_52, B2_23 and B2_06. Information on a number of these anomalies and anomaly groupings is depicted below.

Figure 4. Anomaly B1_48 (at "+") showing enhanced total field magnetics, calculated vertical gradient, total field (red) and vertical gradient profiles. Anomalies B1_49, B1_62 & B1_63 are to the south and east in the field of view.

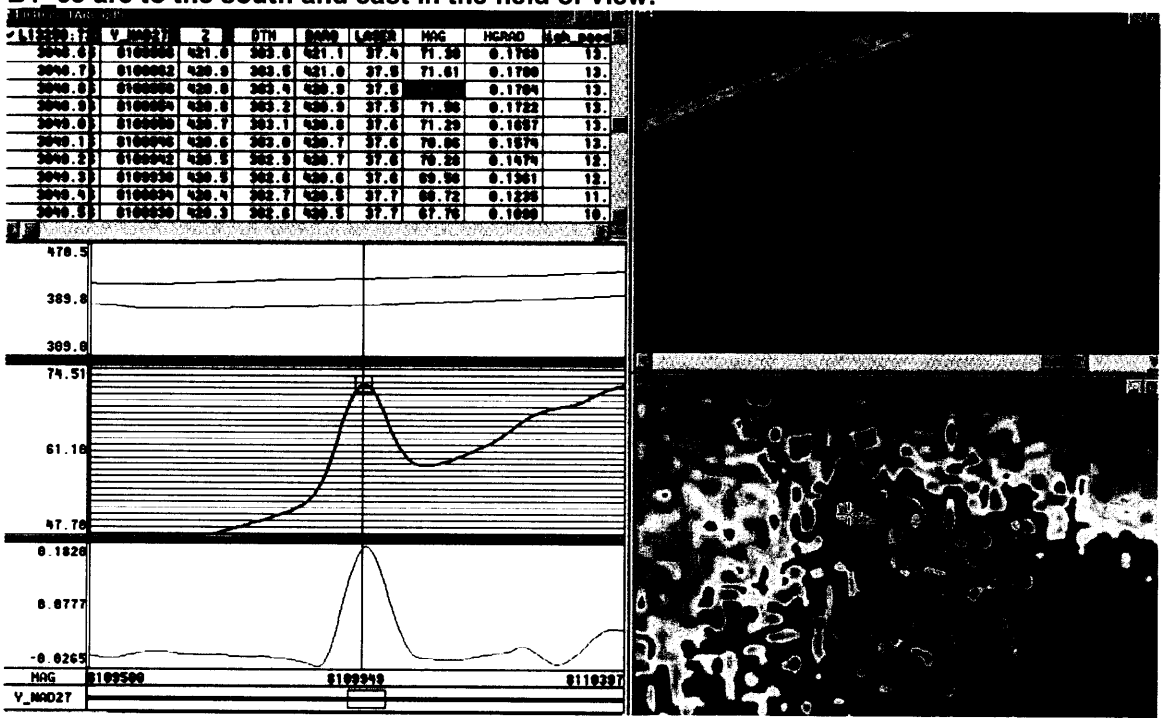


Figure 5.
Anomaly B1_19 (at "+") showing same as above. B1_20 & _21 are dyke-like feature to NNE.

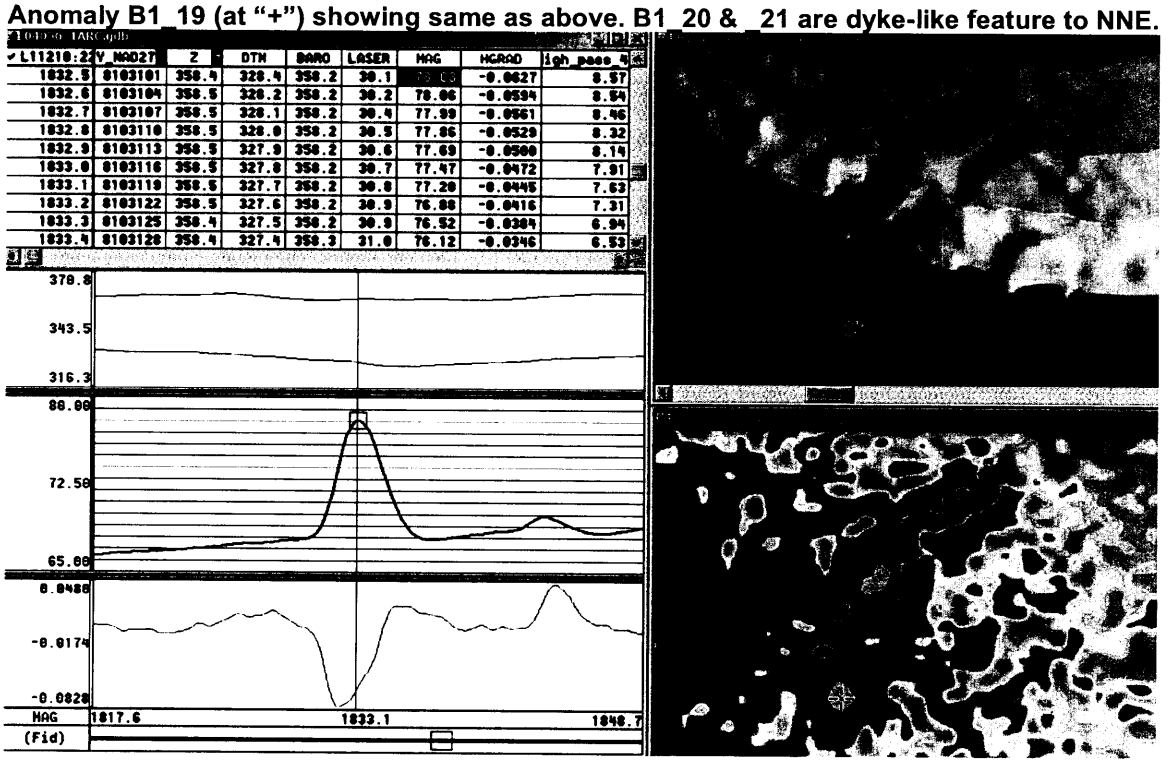
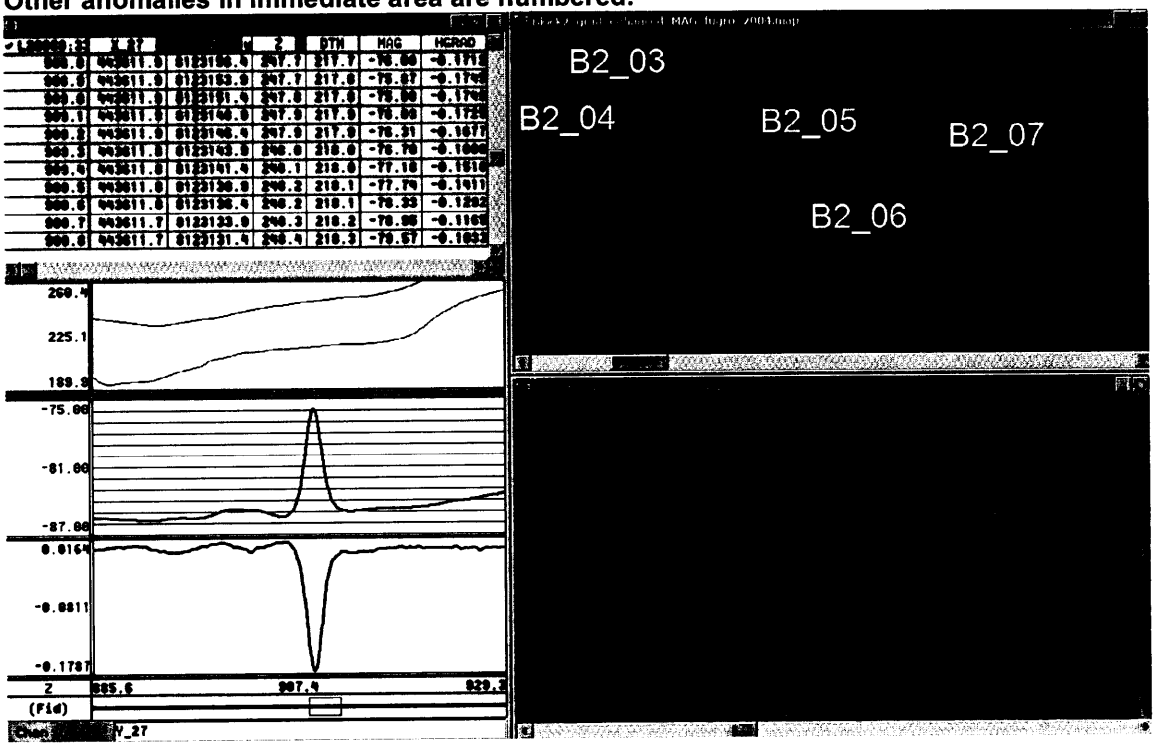


Figure 6. Anomaly B2_06 (pink feature in centre of VGRAD plan) showing enhanced total field magnetics, calculated vertical gradient, total field (red) and vertical gradient profiles. Other anomalies in immediate area are numbered.



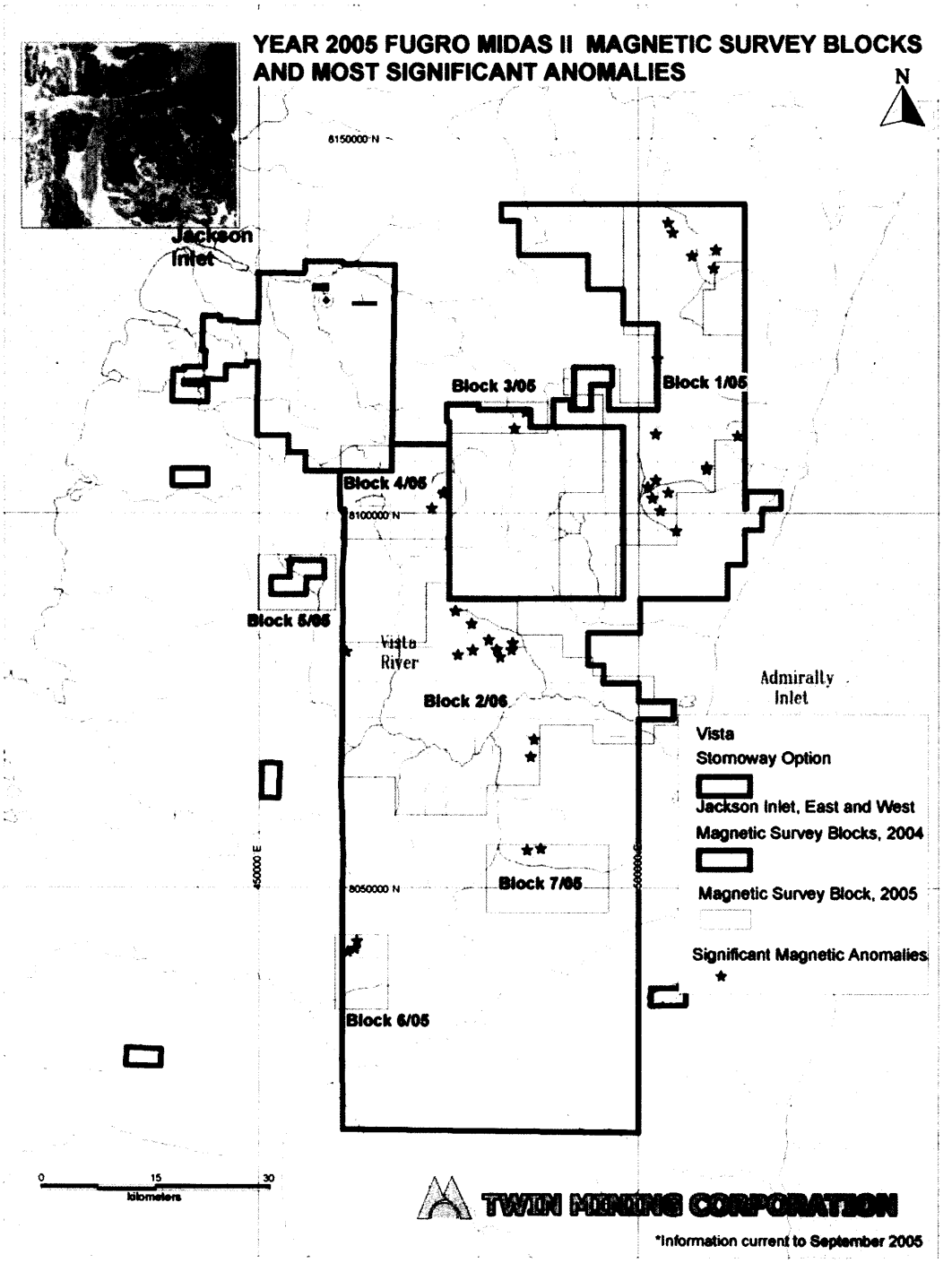
Airborne Geophysics - 2005

From June 21, 2005 to August 13, 2005, a MIDAS II™ dual sensor magnetic gradiometer survey was flown for Twin Mining Corporation over the Cargo 1 kimberlite and 7 blocks of the Jackson Inlet Property on the Brodeur Peninsula, Nunavut (Figures 3 & 7, and, maps in pockets 3 to 10).

The first members of Fugro's survey crew arrived at Nanisivik on June 1, 2005. The Astar 350B survey helicopter arrived on June 4th . Base of operations was the Nanisivik airport until July 20th, with accommodation in a rented house (Unit 23-B) at Arctic Bay. From 21 July 2005 until demobilization on August 13th, the base of operations was Twin Mining's Jackson Camp.

In total, 259 mineral claims were covered in whole or in part by the airborne survey. Eighty four (84) of the claims were the focus of the Block 1/05 survey (depicted with "-" instead of "/" in Fugro report and maps in pockets 3 to 10, i.e. as "Block 1-05", etc.) centred on latitude 73°08'N and longitude 87°00'W within National Topographic System (NTS) sheets 048C03, -04, -05 & -06 and 048B13 & -14. The Block 2/05 survey encompassed or, in part, covered one hundred (100) claims and was centred on 72°45'N and 87°30'W in 048B11, -12, -13 & -14 and 058A09 & -16. Block 3/05 was centred on 12 claims at 73°06'N and 87°30'W in 048C04; Block 4/05 on 25 claims at 73°02'N and 88°00'W in 048B13, 048C04, 058A16 and 058D1; Block 5/05 on 2 claims at 72°54'N and 88°20'W in 058A16; Block 6/05 on 9 claims at 72°26'N and 88°00'W on 048B05 and 058A08; Block 7/05 on 24 claims at 72°35'N and 87°30'W on 048B12; and, the CG-1 Test Block over parts of 3 claims at and immediately south of the Cargo 1 kimberlite pipe. This Cargo 1 test block (75.6 line km) and three small blocks of in-fill lines totaling 58.2 line km are not depicted on Figure 3 and 7, but are shown on the Fugro maps in pockets 3 to 10.

Figure 7. Magnetic survey blocks for year 2005 survey(shaded), significant anomalies listed in Table 3, outline (red) of Twin Mining claims under a July-August 2004 letter agreement with Stornoway Diamond Corporation and those claims not included under this agreement (pink).



RECEIVED
SEP 2 0 2007
D.I.A.N.D.
IQALUIT, NU

Traverse lines were oriented on an azimuth of 000°/180°T (true with respect to UTM North) and control lines were oriented at 090°/270°T. A total of 15,239.3 km of flight line data was collected. Survey height was a nominal 30 m and line spacing for Blocks 1/05 through 7/05 was 150 m. The Fugro Airborne Surveys logistics report in ANNEX 2 provides documentation on block kilometers and lines (page 3), personnel, equipment specifications, calibrations and data processing. In pockets 3 to 10 are three colour contoured plan maps for each block and for the various portions of Blocks 1/05 and 2/05. Each set of three maps includes one showing the total magnetic field (horizontal gradient enhanced-IGRF removed), one showing measured horizontal gradient and one showing the calculated vertical magnetic gradient. All maps show available topography, claim boundaries, claim names and numbers, numbered flight lines and numbered tie lines.

Discussion of year 2005 airborne survey results

The background variations for Block 2/05 are much greater than in the other blocks. This suggests that the platform sediments over Archean basement are not as thick in this area and may reflect an horst-like uplift. Elsewhere, the background variations of the magnetic field are mainly due to large-scale deep-seated features. This setting improves the likelihood of identifying smaller and possibly lower amplitude anomalies. Magnetic surveys on surrounding properties have shown that the known kimberlites in the area display a monopolar magnetic high signature. Individual anomalies recognized in processed airborne data consist of discrete magnetic features representing either 'highs' or 'lows' relative to background data. Typically, these features are less than one kilometer in diameter.

Careful inspection of the data by geophysical staff of Fugro Airborne Surveys resulted in selection of the 1,411 anomalies listed in ANNEX 3. These anomalies were picked based solely on the geophysical response. There was no integration of any geomorphology or geology of the setting. Anomalies of both positive and negative response were initially selected from the profiles of magnetic field (IGRF removed), with no restrictions on amplitude or depth of response. All anomalies were reviewed in profile and any responses due to deep seated features were discarded. Fluxgate data, which provides an indication of the amount of movement of the airborne platform, was also reviewed along with the leveled magnetic and gradient data. Any anomalies thought to be influenced by rapid changes in platform attitude were also discarded.

Eight hundred and forty one (841) of the magnetic anomalies picked by Fugro personnel are in Block 1/05. Sixteen (16), numbered 1-001 through 1-016, in Table 3 below are designated "significant" by Fugro. Four hundred and thirty two (432) are in Block 2/05 . Of these Block 2/05 anomalies, twelve (12), numbered 2-001 through 2-012, are deemed "significant" by Fugro.

In Block 3/05, twelve (12) anomalies were picked by Fugro and two (2), numbered 3-001 and 3-002 in Table 3, deemed "significant"; in Block 4/05, twenty five (25) were picked and three (3), numbered 4-001 through 4-004, designated "significant"; in Block 5/05, five (5) were picked and one (1), 5-001, listed as "significant"; in Block 6/05, thirty seven (37) picked and three (3), 6-001 through 6-003, "significant"; and, in Block 7/05, fifty one (51) picked and two (2), 7-001 and 7-002, listed in Table 3 as "significant".

In Table 3, anomalies 8-001 and 9-001 represent anomalies 1-001 and 1-008, respectively, verified and detailed by east-west flight lines at 50 m line spacing. Anomaly 11-001 in CG-1 Test Block-05, reflects the Cargo 1 kimberlite pipe which is considered a typical target for the area. Anomaly 11-002 reflects the combined effect of kimberlite and a Longyear 38 diamond drill situated at the site of drill hole CG1-05 which was stopped at 41 m in kimberlite due to freezing of water in the supply line. Results from this drill hole are reported in the Representation Work report for 2002-3 prepared by Richard Roy and amended by Audrey Perry.

Blocks 1/05 and 2/05 contain the most promising anomalies for follow-up. Block 1/05 has several isolated moderately strong magnetic anomalies in the south of the block. Anomalies in the

northern part of the block are mapping numerous low-amplitude narrow 'meandering' linear features whose origin is unknown. Most of the more significant anomalies in Block 2/05 seem to be concentrated in the general north-central region of the survey area where there seem to be numerous high-frequency responses, both isolated and in narrow curvalinear features similar to those seen in Block 1/05.

Table 3. Significant magnetic anomalies selected from year 2005 flight data by Fugro Airborne Surveys.

11-001 (Cargo 1)	110020	463460.9	8129234.3	90	37.25	60	25
11-002 cultural?	110030	463559.3	8129313.9	35	15.29	32	0
9-001	90090	503918.5	8102825.3	125	22.20	78	46
8-001	80090	501166.3	8103578.8	100	29.66	60	21
7-001 linear feature	70350 70360 70370	485159.0 485296.4 485450.8	8055184.7 8055164.5 8055161.1	100 width	9.34 7.83 9.52	64 73 70	29 39 38
7-002	70480	487108.4	8055361.6	100	5.37	63	28
6-001	60120	461715.8	8041588.3	140	6.21	84	52
6-002 part of NE-SW feature	60180	462610.1	8041966.8	120	3.15	58	21
6-003 part of narrow curvilinear feature	60160 60180 60200 60220 60290	462313.3 462609.1 462904.7 463206.2 464263.0	8043202.4 8043018.2 8042989.2 8042938.3 8043254.0	80 width	3.02 2.46 5.52 2.1 3.45	NA NA 45 NA 52	NA NA 11 NA 22
5-001 part of weak NE-SW trending feature	50220	453217.1	8094259.6	75 width	2.59	NA	NA
4-001	40790	472763.5	8100721.5	150	6.60	79	49
4-002 part of NW-SE feature	40890	474251.4	8102673.8	200	5.57	93	61

4-003	40900	474413.3	8102868.9	100	8.03	68	36
3-001 on weak NE-SE trend	30700	485130.4	8113529.8	70 width	2.79	51	23
3-002 part of narrow NW-SE linear feature	30590 30600	483474.7 483624.4	8111537.3 8111392.1	60 width	2.84 3.82	53	20
2-001 on a NE-SE curvilinear feature	21000	475880.8	8087023.6	90	11.79	69	44
2-002	21020	476178.6	8081166.3	100	12.53	95	58
2-003	21140	477977.2	8085315.0	120	10.87	81	50
2-004	21150	478123.5	8081778.5	110	21.98	100	67
2-005	21360	481276.4	8081864.9	100	15.36	50	17
2-006	21390	481730.9	8080894.3	125	15.63	73	35
2-007	21490	483228.1	8081843.2	150	20.81	89	46
2-008	21500	483373.7	8082747.3	120	26.09	63	30
2-009	21660	485771.1	8067620.1	80	14.30	51	19
2-010	21690	486222.7	8069944.0	100	13.08	75	38
2-011	20040	461483.5	8081599.6	180	8.24	100	67
2-012	21290	480232.7	8083184.4	100	13.59	61	26
1-001 same feature as anomaly 8-001	10780	501179.6	8103587.3	90	28.84	52	17
1-002	10820	501783.5	8102079.5	110	10.94	58	30
1-003	10850	502233.8	8104494.9	75	11.97	48	19
1-004	10850	502229.0	8110622.7	100	12.83	49	19
1-005	10850	502216.9	8120639.9	140	10.54	59	29
1-006	10890	502827.7	8100411.7	180	19.16	67	35
1-007	10960	503876.9	8138794.6	100	8.01	46	14
1-008 same feature as	10960	503883.0	8102831.8	130	15.11	71	40

anomaly 9-001							
1-009	11000	504480.0	8137439.2	100	9.39	57	24
1-010	11030	504928.6	8097733.7	100	16.56	67	36
1-011	11170	507023.4	8134335.9	110	10.12	68	36
1-012	11300	508958.9	8106182.8	140	14.43	103	71
1-013	11362	509873.2	8132668.7	140	12.63	84	51
1-014	11382	510170.7	8135145.5	225	12.67	82	47
1-015	19240	508905.7	8105909.0	125	16.65	78	40
1-016	19210	512984.7	8110386.2	100	15.45	69	32

NOTES : Source depth estimates 'N/A' signifies anomalies so small in amplitude that it is impossible to derive their depth estimate using the Half Maximum Width method. Model type is assumed as a sphere or a vertical cylinder

Average altitude of the magnetic sensor was 30 meters above the ground. Consider a margin error of ±5 meters on the distance of magnetic sensor to source displayed in the table above. Depth estimation where obtained was by using the Half Maximum Width method.

Till Sample Program - 2004

Collection and processing

During the period from 10 July 2004 through 26 August 2004, a total of 1,200 soil samples were collected by Twin Mining's field personnel. Most were collected at 500 m intervals along north-south lines spaced 2 km apart. The survey line numbers (see ANNEX 4) correspond to NAD 27 UTM easting co-ordinates.

Areas covered (see Map 7 in pocket 11) included the previously untested northeast portion of the Jackson Inlet claim group (ICE claims), the anomalous blocks identified by the 2003 stream sediment sampling and several magnetic anomalies selected by a study of the Geological Survey of Canada regional aeromagnetic data. In addition, thirteen (13) samples were collected for Twin Mining by geologists with Kennecott (Canada) Exploration Inc. at the locations of selected magnetic anomalies detected by the year 2004 Fugro airborne survey.

Individual till samples, taken from frost boils if possible and after discarding cobbles and large stones, were placed in 20-litre plastic pails (see ANNEX 5 for unprocessed sample weights) and the snap-on lids firmly affixed. The exception was 144 samples that were bagged as explained in the shipping information below. Each pail and bag was inscribed with the sample numbers on the sample tag which was placed inside the pail or bag and which, in turn, was in a small sealed plastic bag to protect the paper of the sample tag from water and mud.

The numbered samples were individually located by GPS, flagged in the field, and described as to physical characteristics, terrain type, colour of frost boil material and local slope direction. Teams of two people walked the sampling lines and left samples for the helicopter to pick up later. From each field sampling site, samples were transported by helicopter to either Nanisivik airport or a sample cache at a southern airstrip (72°41.46'N and 87°33.2'W) and thence by Kenn Borek Twin Otter to Nanisivik airport.

After the pails (1,056) and bags (144) of samples were delivered to Nanisivik airport, those in pails had the lids sealed to ensure sample integrity by inserting wire Multi-Lok 3/32" Cable Seals in holes drilled through the overlapping portion of the lid and pail lip. The pails were supplied Ropak Canada Inc., 113 Manfred St., Suite 2, Pointe-Claire, QC, and the seals by MCF Equipment Inc., 9244 Cote de Liesse, Lachine, QC. Seals were individually numbered and stamped "TWNMNG" (see ANNEX 4). Pails were stacked on pallets at the Nanisivik dock, shrink-wrapped, loaded on the MV Umiavut on 26 August 2004 and shipped to Valleyfield, QC, by this vessel of Nunavut Eastern Arctic Shipping Inc. (NEAS), Port of Montreal Building, Cite du Harve, Wing No. 2, Suite 2060, Montreal QC.

A number of samples did not have seal numbers and others had only one seal number (See ANNEX 4). This is because bags that were surplus to Kennecott's soil/till sampling needs were used when Twin's supply of pails was exhausted and also because the shipment of extra seals ordered at the beginning of the summer did not arrive.

In order to obtain commitments for production of heavy mineral concentrate and counting of kimberlite indicator minerals within the 2004 year, the sample processing was divided between two laboratories. The samples arrived at Valleyfield aboard the MV Umiavut on 20 September 2004. From Valleyfield, they were transported by a tractor trailer of Cabano Kingsway (950 Cadieux Blvd., Port of Valleyfield, Valleyfield, QC J6T 6L4) as follows:

1) Departed Valleyfield 20 Sept. 2004: 22 pallets of dimensions 1.23 m X 1.23 m X 0.91 m, each with 32 20-litre pails of soil samples for a total of 704 samples. Destination:
Vancouver Indicator Processors Inc. (VIPI)
Unit 101
6200 Darnley St.
Burnaby, BC V5B 3B1
Contact persons: Peter LeCouteur or Frank Ferguson; telephone 604-294-9011

2) Departed Valleyfield 21Sept. 2004: 8 pallets of bagged samples (1.23 m X 1.23 m X 0.95 m) plus 11 pallets of pails as described above. Destination:
Kennecott Canada Exploration Inc.
Mineral Processing Laboratory
1300 west walsh Street
Thunder Bay, ON P7E 4X4
Contact person: Jim Crawford; telephone 807-473-5558, extension 1.

On 24 November 2004, after being advised by the Kennecott laboratory that they could not commence processing their shipment of till samples until 2005, it was arranged for Cabano Kingsway Transport to pick up all the Twin Mining pallets and deliver them to Vancouver Indicator Processors Inc. Also shipped at this time from the Kennecott laboratory to the VIPI laboratory were the 13 till samples collected by Kennecott on Twin Mining claims (sample numbers KD5714, KD5715, KD5716, KD5717, KD5718, KD5719, KD5720, KD5721, KD5722, KD5723, KD5724, KD5727 and KD5728). Along with other Kennecott samples, these samples had been shipped separately from Nanisivik by air to Yellowknife and delivered to their laboratory in Thunder Bay.

To recover a heavy mineral concentrate of the specific gravity range which includes kimberlite indicator minerals, VIPI used wet screening to collect the -0.86mm+0.25mm size fraction, a permanent Fe-Nd dry magnetic separator and, for those samples with more than 10 or 15 grams of concentrate greater than 2.96 specific gravity, a two-stage heavy liquid separation utilizing tetrabromoethane (TBE) of 2.96 specific gravity and methylene iodide (MI) of 3.33 specific gravity. VIPI's procedure, processing flow chart, till sample weights and heavy mineral concentrate weights are in ANNEX 5. Figure 3 depicts in 3-D the range and spatial distribution of concentrate weights for all samples collected during the 2001-4 period

Table 4. Till sampling statistics.

Till Sampling Day	Helicopter Hours	Number of Samples	Comment
1. July 10, 2004	9.1	37	
2. July 11, 2004	8.3	40	
3. July 13, 2004	4.0	20	No sampling in AM, fog
4. July 14, 2004	9.4	40	
5. July 16, 2004	6.3	40	No sampling in AM, fog
6. July 17, 2004	10.6	56	
7. July 18, 2004	9.6	35	
8. July 20, 2004	8.0	41	
9. July 21, 2004	5.6	25	No sampling in AM, fog
10. July 22, 2004	6.0	35	
11. July 23, 2004	6.8	41	
12. July 24, 2004	3.8	20	Helicopter crew change
13. July 26, 2004	6.8	20	No sampling in AM, fog
14. July 27, 2004	7.8	33	
15. Aug. 2, 2004	6.3	20	No sampling in AM, fog
16. Aug. 7, 2004	6.8	40	No sampling in AM, fog
17. Aug. 8, 2004	9.3	60	
18. Aug. 9, 2004	7.7	60	
19. Aug. 10, 2004	8.0	50	
20. Aug. 11, 2004	8.3	60	
21. Aug. 15, 2004	6.3	17	No sampling in AM, fog
22. Aug. 16, 2004	5.3	24	No sampling in AM, fog
23. Aug. 17, 2004	9.3	54	No sampling in AM, fog
24. Aug. 18, 2004	8.6	60	
25. Aug. 19, 2004	11.0	51	
26. Aug. 20, 2004	11.9	60	
27. Aug. 22, 2004	6.3	55	
28. Aug. 25, 2004	8.7	68	
29. Aug. 26, 2004	8.5	38	
Total	224.4	1200	
Average/sampling day	7.7	41.4	
Average/day, 10 Jul y - 26 Aug 2004		25	
Additional flying	56.0	**All helicopter hours include:**	
Total Helicopter hours	280.4	Positioning fuel and sample pails in field,	
Average Heli hrs/sample day	9.7	collecting samples for pick up by Twin Otter	
Average, 10 Jul - 26 Aug 20	5.8	of Kenn Borek, transporting samples from	
		Nanisivik airport to dock and certain batches	
		of samples directly from field to Nanisivik airport.	
		Also, forays to check weather on Brodeur.	

Kenn Borek Air Ltd. 27-Jul-2004 Four Twin Otter round trips from Nanisivik airport to southern airstrip fuel and sample cache at 72°41.46' N and 87°33.2'W. Nineteen Jet A1 drums to cache and 194 20-litre pails of till samples to Nanisivik airport.

10-Aug-2004 Five Twin Otter round trips Nanisivik-southern airstrip cache. Ten Jet A1 to cache and 220 pails of till samples to Nanisivik airport.

22-Aug-2004 141 pails of samples from cache to Nanisivik airport by Twin Otter.

All heavy mineral concentrates except those from 200 till samples were shipped by VIPI to HDM Laboratories Inc., (1302 East First St, Loveland, CO 80537 USA) for selection of kimberlite indicator minerals (KIM) from the concentrate using a binocular microscope. In order to complete the KIM selection process as fast as possible, the other 200 concentrates were sent to Maja Kiridzija of KIM Dynamics (#802-121 W. 15th Street N. Vancouver, BC V7M 1R8) who submitted her results to HDM together with the concentrates and minerals selected. This allowed HDM to check each result and ensure consistency of reporting to Twin Mining.

The laboratory KIM selection procedure, depending on concentrate sample size, involved sieving each concentrate through two (0.3mm and 0.25mm) or four mesh sizes (0.5mm, 0.4mm, 0.3mm and 0.25mm) in order to separate the material into batches for which the size range would facilitate easier focusing under the binocular microscope. Samples with MI/TBE sink weights < 10g were passed through two sieves while samples with MI/TBE sink weights >10 g were passed through four mesh sizes. All collected KIM and possible KIM were placed on the labeled mineral cards and stored for later mounting by HDM in resin plugs for microprobe analyses.

Results

Map 8 in pocket 12 depicts results for those samples in which KIMs were recovered and verified by electron microprobe analysis. A report by Bruce Craig Jago in ANNEX 7 contains the electron microprobe analyses by Ingrid Kjarsgarrd as well as an interpretation of the potential diamond exploration significance of these results. Table 5 (below) presents a statistical summary of KIMs selected from heavy mineral concentrate at HDM Laboratories Inc. and verified by microprobe analysis by Ingrid Kjarsgaard (Ingrid Kjarsgaard, Ph.D., Consulting Mineralogist, 15 Scotia Place, Ottawa, Ontario, K1S 0W2) utilizing the electron microprobe facility of Carleton University.

Table 5. Kimberlite indicator minerals verified by microprobe – Till Sample Program, 2004

KIM	Total KIM	Number of Barren Samples	Highest Number/sample
Pyrope	53	1162	2
Eclogitic garnet (?)	17	1196	1
Chrome diopside	26	1187	1
Low chrome pyroxene	68	1149	2
Picroilmenite	196	1075	7
Chromite > 60% Cr_2O_3	1	1212	1
Chromite 40-60% Cr_2O_3	292	1006	13
Chromite 20-40% Cr_2O_3	125	1109	4
Olivine	1	1212	1
Other	4	1209	1
TOTAL	**3880**	**113**	**224**

Notes: It was not established with certainty that the eclogitic garnets are of eclogitic origin.
"Other " refers to 3 grains of niobium rutile and a corundum grain.
Number of samples: 1213
Total heavy mineral concentrate with specific gravity more than 2.96: 12.90 kg
Average weight of >2.96 specific gravity concentrate per sample: 10.64 g

A number of locations within the area of year 2004 till sampling have clusters of samples containing kimberlite indicator minerals with chemical compositions that suggest origin in the diamond stability field and/or a high potential for diamond preservation. The number of indicator

mineral grains per till sample is lower than for areas of the Jackson Inlet claim group sampled in previous years. This lower number of KIMs per sample appears inconsistent with the much higher average weight of heavy mineral concentrate recovered from each 20-litre till sample than in previous years. Another feature that differs from results for other years and more westerly areas of the Jackson Inlet claim group is a much higher proportion of ilmenite relative to other KIMs, particularly picroilmenite with Al_2O_3-FeO ratios indicating moderate to high diamond preservation and Cr_2O_3-MgO ratios indicating origin in mantle xenoliths.

The 2004 survey areas lie along or close to the height of land for the Brodeur Peninsula. As a consequence, the plateau is less dissected by erosion and average thickness of till appears to be thicker than in areas to the west sampled in previous years. This could explain the lower average number of KIMs per till sample than further to the west where erosion has exposed the Freightrain kimberlite and left only a few meters of till overlying Cargo 1 .

Crusts and fragments of goethite exhibiting botryoidal surfaces are present in the till in many places within the 2004 sampling area. Whether this goethite and the apparent higher proportion of oxide KIMs are evidence of a period of tropical weathering is a possibility that has not been investigated. Such tropical weathering could result in dissolution of silicate minerals, with the result that the only silicate KIMs would come from isolated sample sites where more active erosion has exposed bedrock nearby. Elsewhere, the till, except for a thin veneer of material dropped from ice, conceivably could represent a product of tropical weathering relatively undisturbed by a near-stagnent ice sheet along what is now the height of land.

All data from the 2004 and previous heavy mineral sampling programs have been submitted for representation work. A sample location plan for the 2004 summer program is provided in Map 7 in pocket 11. Figure 3 at the beginning of this report displays the sampling coverage to the end of 2004 and the variation in heavy mineral concentrate weights. ANNEXES 4 through 7 present the sample numbers, locations, heavy mineral concentrate reports, KIM counts, the chemistry of grains subjected to electron microprobe analysis and an interpretation of this chemistry.

PERSONNEL

Personnel and roles for the Fugro airborne surveys of 2004 and 2005 are listed in ANNEXES 1 and 2, respectively, in reports titled "Fugro Airborne Surveys Logistics and Processing Report". In 2004, these persons received accommodation and meals at the St. Joseph Camp of Kennecott (Canada) Exploration Inc. In 2005, they lived from June 1 to July 20 in a house in Arctic Bay (Unit 23-B) rented by Twin Mining Corporation and where they prepared their own meals. From July 21 to August 13, they received accommodation and meals at Twin Mining's Jackson Camp.

Till sampling program personnel are listed in Table 6 below.

Table 6. List of Personnel for Year 2004 Till Sampling Program

Person	Qualifications	Project role	Paid by	Days based at Nanisivik
Dallas Davis	P. Geol.(NU,NT)	Consultant	Dalmin Corp.	10
Adrian Davis	Supervisor II	Manager	Twin Mining Corp.	55
Barry Banks	BSc, Geol. '04	Till sampler	Twin Mining Corp.	55
Troy Piercy	Geol. Student	Till sampler	Twin Mining Corp.	55
Ron Ullikatar	Non-geological	Assistant sampler	Twin Mining Corp.	29
Dennis Tigullaraq	Non-geological	Assistant sampler	Twin Mining Corp.	4
Toby Tigullaraq	Non-geological	Assistant sampler	Twin Mining Corp.	38
Christopher Kilabuk	Non-geological	Assistant sampler	Twin Mining Corp.	28
Gerard Hartery	Licenced pilot	Helicopter pilot	Universal Helicopters	17
J. Maloney	Licenced pilot	Helicopter pilot	Universal Helicopters	11
Colin Lavallee	Licenced pilot	Helicopter pilot	Universal Helicopters	24
W. P. Denomme	Licenced pilot	Helicopter pilot	Universal Helicopters	7
Mark Foley	Heli prog grad	Heli engineer	Universal Helicopters	27
Perry Leftbridge	Heli prog grad	Heli engineer	Universal Helicopters	25
			Total person days	385

Notes: The first four above departed Fredericton 6 July 2004 and arrived Nanisivik 7 July 2004. Dallas Davis departed Nanisivik on 14 July 2004 and arrived Fredericton on 15 July 2004. A. Davis, B. Banks and T. Piercy departed Nanisivik on 28 August 2004 and arrived Fredericton on 29 August 2004. Field days include travel time Fredericton-Nanisivik-Fredericton. Accommodation and meals were at the Nanisivik Mine from 7 July through 28 August 2004.

The second four above resided at their respective homes in Arctic Bay. They were picked up and returned to Arctic Bay each day by helicopter enroute from/to Nanisivik to/from the eastern portion of the Brodeur Peninsula where the Twin Mining mineral claims covered by the 2004 program are located.

Helicopter: Bell 206 LR (Long Ranger) based at Nanisivik from 8 July to 26 August 2004 plus a second Bell 206 LR from 22 August to 28 August 2004. Rated average fuel consumption 127 l/hr. Contract rate $1020/hour for average daily minimum of 4 hours *plus* $20,000 mob-demob *plus* fuel *plus* taxes *plus* crew accommodation, meals and expenses at Nanisivik.

All personnel can be contacted through Twin Mining Corporation at the following address:

Suite 1250 - 155 University Ave.
Toronto, Ontario
M5H 3B7

Phone: (416) 777 0013
Fax: (416) 777 0014

CONCLUSIONS AND RECOMMENDATIONS

It is recommended that the following programs be implemented in the next year:

Follow-up of the airborne geophysical surveys with a program of drilling, utilizing two drills to test as many as possible of the magnetic anomalies that are interpreted to be prospective for kimberlite. Prior to selecting the best targets a thorough analysis of all geophysical, geochemical and drill-derived data gathered on the Jackson Inlet claims to date should be undertaken.

Complete a ground geophysical program over the areas of heavy mineral KIM anomalies to the northeast and southwest of Freightrain and Cargo 1 as well as to the southeast and northwest of the 2003 Cargo 2 grid. A 50-meter spacing is proposed with some detail at 25 meters (or orthogonal lines) when required. Ground surveys also should be conducted over all 2004-5 airborne magnetic survey anomalies selected as drill targets to further prioritize the order of drill testing and to ensure that holes are definitely positioned to intersect targets.

If kimberlite is intersected under a thick cover of till, undertake a till sampling program over the surrounding area to determine whether indicator minerals found in samples reflect the new kimberlite discovery and whether there is a pattern of dispersion.

At the Freightrain and Cargo 1 kimberlites, Twin Mining should collect sufficiently large samples, either by drilling or surface bedrock excavation, to recover several hundred carats of diamonds in order to facilitate better assessment of the economic potential prior to the tenth anniversary of the Freightrain claim in September 2008.

CERTIFICATION

I, Dallas Wayne Davis, of 407 Dufferin St., Fredericton, New Brunswick E3B 3A8, do certify that:

1. **I have served as diamond exploration consultant to Twin Mining Corporation since 1999 through my consulting firm, Dalmin Corporation.**

2. **I am a graduate of the University of New Brunswick with a Bachelor of Science degree (geology major, 1965) and The Johns Hopkins University, Baltimore, Maryland, USA with a Master of Arts degree (geology, 1966) and have practiced my profession nationally and internationally on a continuous basis for 40 years.**

3. **The information, conclusions and recommendations in this report are based on results of work on the Jackson Inlet property, personal visits to the property and from collaboration with colleagues involved in various aspects of the exploration conducted since August 2000.**

4. **The monies expended for purposes of assessment work on the claims described in this report are true and correct, according to the best of my knowledge.**

Signed this 28th day of February, 2006.

Dallas Wayne Davis, B.Geol. (NU & NT registration L1575)

REFERENCES

Davis, D. W. (2000).
Report of Representation work on behalf of Fred Tatarnic – Mineral Claim – Freightrain (Tag F65593), Assessment Report 84331, pp. 12

Dyke, A. S., Andrews, J. T., and Miller, G. H. (1982).
Quaternary history of Cumberland Peninsula, Baffin Island, District of Franklin. *Geological Survey of Canada*, **Memoir 403**, pp32)

Fipke, C.E., Gurney, J.J, and Moore, R.O. (1995).
Diamond Exploration Techniques emphasizing indicator mineral geochemistry and Canadian examples. *Geological survey of Canada,* **Bulletin 423**, pp. 85

Gurney, J.J. (1984).
A correlation between garnets and diamonds in kimberlites. In kimberlite occurrence and origin: A basis for conceptual models in exploration. *J. E. Glover and P. G. Harris (Eds.). Geology Department and University Extension, University of Western Australia*, **Publication No. 8**, p 143-166.

Jackson, G.D. and Berman, R.G. (2000).
Precambrian metamorphic and tectonic evolution of Northern Baffin Island, Nunavut, Canada. *The Canadian Mineralogist*, **v 38**, pages 399-421

Mason, I (1995).
Regional geochemical sampling of northern Brodeur Peninsula. Representation work on behalf of Lumina Investments Inc. *Canadian Government Open File resources*, **Open file no. 2124**.

Mayewski, P. A., Denton, G. H., and Hughes, T. J. (1981).
Late Wisconsin ice sheets in North America. *In Denton, G.H. and Hughes, T. J. (Eds.). The last great ice sheets*. John Wiley and Sons, New York, p. 67-178.

Miller, G.H., Funder, S., de Vernal, A. and Andrews, J. T. (1992).
Timing and character of the last interglacial-glacial transition in the eastern Canadian Arctic and northwest Greenland. *Geological Society of America*, **Special Paper 270**, p. 223-231.

Mitchell, R.H. (1986).
Kimberlites: Mineralogy, Geochemistry and Petrology. Plenum Press, New York, pp. 442.

Robertson, R. (2001).
Twin Mining tests boart-free kimberlite. *The Northern Miner*, **v. 87**, no. 27, p1-6

Roy, R. (2001).
Geological Report: 2001 Program, Jackson Inlet, Baffin Island, Nunavut. Assessment Report 84496.

Roy, R. (2004) and Perry, A. (2005 revisions).
Exploration Report on the Till Sampling, Ground Geophysical, and Diamond Drilling Programs for 2002-3, Jackson Inlet, Baffin Island, Nunavut, Assessment Report 084673.

ANNEX 1

Fugro Airborne Surveys

Logistics and Processing Report

Year 2004 MIDAS Magnetic Horizontal Gradient Survey

Brodeur Peninsula, Baffin Island, Nunavut

Fugro Airborne Surveys
Logistics and Processing Report

Job #04056

Brodeur Peninsula, Nunavut

on behalf of

Kennecott (Canada)
Exploration Inc.

By: Russell Imrie, Geophysicist
Date: November 25, 2004

Table of Contents

Introduction **1**

Job Information **1**

Safety **2**

Airborne Survey Equipment **2**

MAGNETICS 2
POSITIONING 3
GPS Navigation System 3
Altimeters 3
ADDITIONAL SURVEY EQUIPMENT 3

Base Stations **3**

CF1 Base station 3
Base value removed from the data at St. Joseph was 58202.2 nT. 5
GPS Base station – Ashtech Z-Surveyor 5
GEM System GSM 19-T 5

Tests and Calibrations **5**

Figure of Merit 5
Magnetics Lag Test 8
Data Processing 8

Appendix A – Fugro General Safety Policy **10**

Appendix B – Equipment Maintenance Log **11**

Appendix C – Data Processing Log – Data Alerts **12**

Appendix D – Personnel Changes and Extras List **13**

Appendix E – Daily Log **14**

Introduction

This report provides a summary of survey parameters, personnel and equipment for the survey and a description of data processing

Job Information

Fugro job number:	04056
Job Type:	MIDAS MAG Horizontal Gradient
Client:	Kennecott (Canada) Exploration Inc.
Survey name:	Brodeur Peninsula, Nunavut
Client contact:	Greg Rogers / Ben Pezaro
Client QC representative:	Greg Rogers / Ben Pezaro/ Vicky Thomson
Survey location:	Brodeur Peninsula, Nunavut
Base of Operations:	St Joseph's Camp
Helicopter Company:	Great Slave Helicopters (Hudson Bay Helicopters)
Survey Helicopter:	Model: 206 Jet Ranger A Registration: C-FGSD

Survey Crew

Name	Title	Company
Amir Soltanzadeh	Crew Chief - Geophysicist	Fugro Airborne Surveys
Adam Ellis	Geophysical operator	Fugro Airborne Surveys
Len Joa	Helicopter Pilot	Great Slave Helicopters
John Thorsteinsson	Helicopter Pilot	Great Slave Helicopters
Jeff Johnston	Helicopter mechanic	Great Slave Helicopters

Block Information (line kilometers of data presented)

Block#	Block Name	Line Direction	Traverse/Tie Spacing	Line km	Tie km	Total km
1	East	N-S	50	8349.0	606.2	8955.2
2	West	N-S	75	6071.6	541.0	6612.7

Projection and PNAV Information

Datum:	NAD27
Ellipsoid:	Clarke 1866
Projection:	UTM (Zone: 16)
Central Meridian:	87° West
X,Y,Z Datum Shifts:	10 -158 -187

Safety

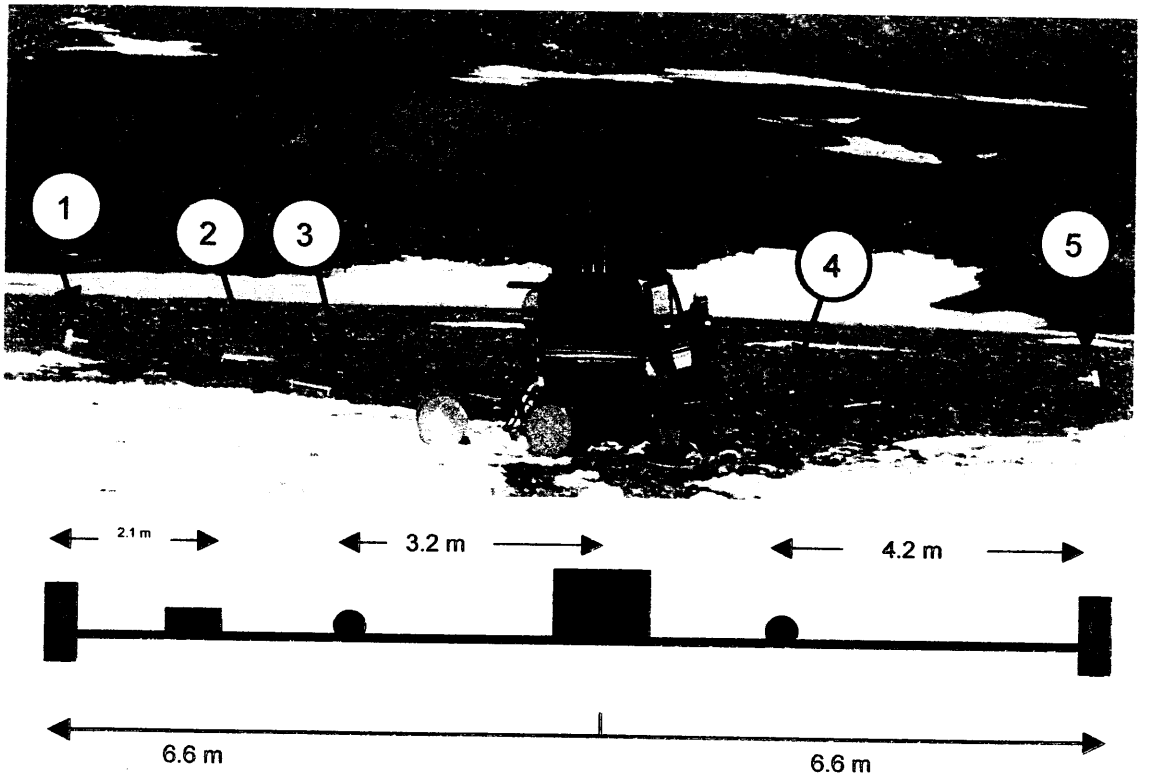
Fugro Airborne Surveys is committed to providing safe working environments for all employees and contractors. On site safety meetings are held weekly to ensure that safe working conditions are maintained throughout the course of the survey, and to make crewmembers and Fugro management aware of any safety concerns that may arise. A thorough "start up" safety report is completed and approved by Fugro management prior to any survey activity.

Refer to Appendix A for Fugro Airborne Surveys' General Safety Policy. Additional information can be obtained from the safety officer at the Fugro office.

Airborne Survey Equipment

MAGNETICS

Magnetics System:	Multi-sensor MIDAS horizontal Gradiometer
Mag counter:	FASADAS
Mag sensor:	Scintrex CS2



1 Starboard Magnetic Sensor
2 Fluxgate
3 Dual Frequency GPS antenna
4 Single Frequency antenna, navigation
5 Port Magnetic Sensor

POSITIONING

GPS Navigation System

Heli Navigation System:	Novatel 3951
Post Processed System:	Ashtech Z-Surveyor

The dual frequency GPS antenna is located on the starboard boom 3.2 m offset from the centre of the helicopter. This receiver is used to capture the position data that is differentially corrected after the flight. The corrected data are then shifted to give the position of the centre of the helicopter. The single frequency navigation GPS antenna is located on the port boom. This collects data that is differentially corrected in flight to give the pilot navigation information. Due to the high latitude of the survey, real time GPS correction was not always available.

Altimeters

Helicopter Radar:	Sperry RT220
Laser:	Optech G-330 First-Last pulse capability

The radar altimeter is located on a crossbar under the belly of the helicopter. This crossbar also houses the laser altimeter.

ADDITIONAL SURVEY EQUIPMENT

Acquisition system:	FAS-DAS
Data storage	IBM MicroDrive
Barometric pressure	Motorola MPX4115AP
Flight path video camera	Sony DXC-101
Flight path video recorder	Panasonic AG-720

Base Stations

CF1 Base station

The CF1 base station is a multi-sensor unit designed and built by Fugro Airborne Surveys. The station includes the following:

- GPS system for synchronization to UTC time and backup GPS base data
- Cesium magnetometer
- LCD screen indicating total magnetic field values, real time linear and non-linear magnetic diurnal variation, battery voltage, file name and disk space available.
- Two temperature sensors (external and internal)
- Barometric pressure sensor

All data is recorded at 1 second intervals on compact flash cards.

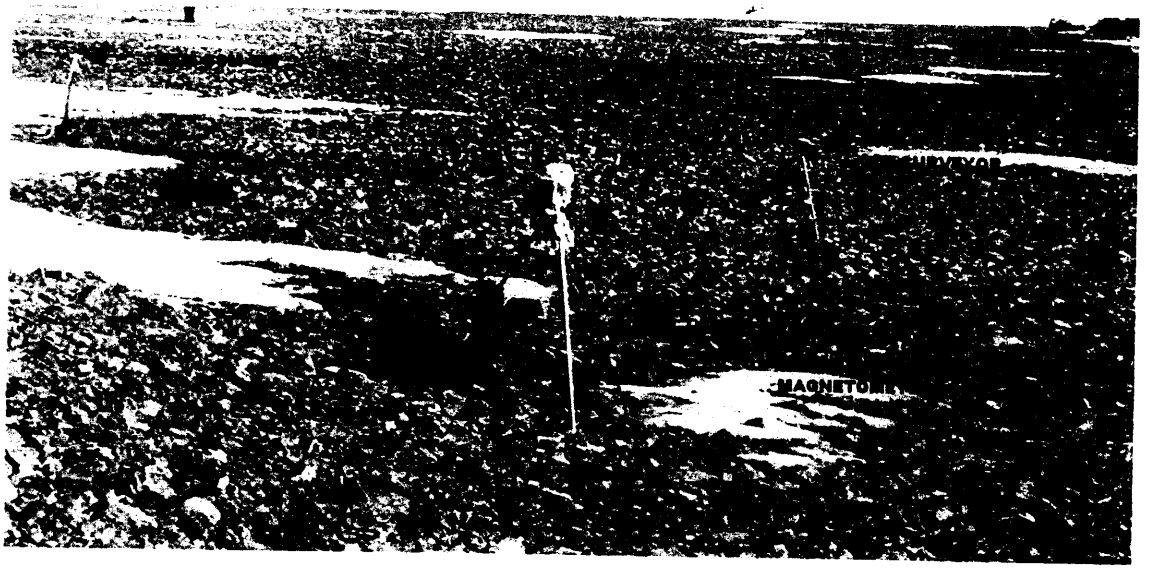


Figure 1 Base station setup at St. Joseph's Camp.

Figure 2 Base station setup with respect to the camp.

The base stations were located about 150 meters north east of the camp. The GPS was positioned such that it would have a clear view of the sky, even though the camp is located in a valley.

CF1 POSITION – WGS84 LAT/LON		
Latitude	Longitude	Elevation
73° 14' 56.3800"	-87° 57' 43.4994"	193.1
CF1 POSITION – UTM Zone 16, NAD27 Mean Canada		
Easting	Northing	Elevation
471976.0	8128224.5	193.1

Base value removed from the data at St. Joseph was 58202.2 nT.

GPS Base station – Ashtech Z-Surveyor

The Ashtec Z-Surveyor is a stand-alone Dual frequency GPS receiver with a built-in PC Card to store positional data. Data collected from this unit is post differentially corrected with the airborne GPS to give sub meter accuracy.

GPS POSITION – WGS84 LAT/LON		
Latitude	Longitude	Elevation
72° 14' 56".09777	-87° 52' 15".95018	199.1
GPS POSITION – UTM (NAD27, Z18 Canada Mean)		
Easting	Northing	Elevation
471979.5	8128215.66	199.1

The position was averaged using two 12 hour sets of data.

GEM System GSM 19-T

The GEM GSM 19-T proton magnetometer was used as a backup base station to the CF-1.

Its location is approximately 15 meters east of the CF-1, as seen in Figures 1 and 2.

Tests and Calibrations

Figure of Merit.

A Figure of Merit (FOM) flight was flown on June 26, 2004 close to St Joseph's Camp at a mean altitude of 6600 feet above ground level. A second FOM flight was flown on July 7th due to sensor reorientation. Tables 1 and 2 summarize the results of these flights.

Table 1 Summary of Figure of Merit Flight flown on June 26th

Date	June 26, 2004	**Job:**	4056
Helicopter:	C-FGSD	**Location**	St. Joseph's Camp , Nunavut
Pilot:	Len Joa	**Operator:**	Adam Ellis
Line:	200	**Filter Length**	6 secons

Note: Mean Altitiude 6600 feet above sea level.

TFU1	Stbd Mag	Uncompensated		**TFC1**	Stbd Mag	Compensated	**TFU2**	Port Mag	Uncompensated	**TTFC2**	Port Mag	Compensated
S			**Residual**	**S**		**Residual**	**S**		**Residual**	**S**		**Residual**
PITCH	-0.1006	0.1538	0.2544	0.0437	-0.01	0.0537	-0.3243	0.3439	0.6682	0.021	-0.0026	0.0236
ROLL	0.3939	-0.1571	0.551	0.1048	-0.0829	0.1877	-1.8432	1.7501	3.5933	0.027	-0.0309	0.0579
YAW	-0.1227	0.1045	0.2272	-0.0393	0.02797	0.06727	-0.5806	0.5101	1.0907	-0.0377	0.0355	0.0732
W				**W**			**W**			**W**		
PITCH	0.1052	-0.0544	0.1596	-0.0396	0.0421	0.0817	0.1699	-0.32	0.4899	0.0225	-0.0515	0.074
ROLL	-0.4062	0.6064	1.0126	-0.1099	0.1541	0.264	-2.3746	2.7351	5.1097	-0.0115	0.0539	0.0654
YAW	0.1035	-0.0956	0.1991	0.0487	-0.0437	0.0924	-0.6539	0.5672	1.2211	0.0263	-0.0241	0.0504
E				**E**			**E**			**E**		
PITCH	0.2391	-0.1995	0.4386	0.0169	-0.0505	0.0674	0.3915	-0.4789	0.8704	0.0123	-0.0346	0.0469
ROLL	-0.5737	0.8204	1.3941	0.1225	-0.1014	0.2239	-2.5417	2.8774	5.4191	-0.0356	0.0362	0.0718
YAW	-0.14	0.1935	0.3335	0.0575	-0.0501	0.1076	0.8223	-0.6555	1.4778	-0.035	-0.0415	0.0065
N				**N**			**N**			**N**		
PITCH	-0.2079	0.2687	0.4766	0.0279	-0.0311	0.059	0.29	-0.3625	0.6525	-0.0599	0.0278	0.0877
ROLL	-0.6632	0.8266	1.4898	0.1178	-0.0984	0.2162	-2.4688	2.7193	5.1881	0.0581	-0.0496	0.1077
YAW	0.173	-0.1419	0.3149	0.0416	-0.0377	0.0793	0.632	-0.5524	1.1844	0.028	-0.0261	0.0541
FOM			6.8514			1.50017			26.9652			0.7192

The Figures of Merit for this aircraft are 1.5 for the starboard boom and 0.72 for the port boom. These values are well within specifications of the contract.

Table 2 Summary of Figure of Merit Flight on July 7.

Date	July 7, 2004	**Job:**	4056, Kennecott Canada Ex.	Note: New PM module, new Translator Module for Fluxgate, reoriented sensors close to 50 degrees horizontal. Mean altitude 5600 feet MSL								
Helicopter:	C-FGSD	**Location**	St. Joseph's Camp , Nunavut									
Pilot:	Len Joa	**Operator:**	Adam Ellis									
Line:	200	**Filter Lenfth**	6 seconds									
TFU1	Stbd Mag	Uncompensated		TFC1	Stbd Mag	Compensated	TFU2	Port Mag	Uncompensated	TFC2	Port Mag	Compensated
N			**Residual**	N		**Residual**	N		**Residual**	N		**Residual**
PITCH	0.1064	-0.095	0.2014	0.0415	-0.0482	0.0897	0.4217	-0.5898	1.0115	0.0215	-0.0231	0.0446
ROLL	1.1559	-0.8375	1.9934	0.0751	-0.0954	0.1705	4.7739	-3.2334	8.0073	0.0788	-0.0622	0.141
YAW	0.1717	-0.131	0.3027	0.0497	-0.0449	0.0946	-1.253	0.7759	2.0289	0.0388	-0.0378	0.0766
E				E			E			E		
PITCH	0.1398	-0.117	0.2568	0.0169	-0.0321	0.049	0.4119	0.1729	0.239	-0.0442	0.0226	0.0668
ROLL	1.1759	-0.8093	1.9852	0.0493	-0.0494	0.0987	4.2831	-3.0246	7.3077	0.1306	-0.0762	0.2068
YAW	0.1296	-0.0779	0.2075	0.0513	-0.0407	0.092	0.8038	-0.5456	1.3494	-0.028	0.0247	0.0527
S				S			S			S		
PITCH	0.0906	-0.112	0.2026	0.0525	-0.0339	0.0864	-0.4767	0.6074	1.0841	-0.0302	0.0344	0.0646
ROLL	0.7485	-0.8317	1.5802	0.0973	-0.1093	0.2066	4.1611	-2.5306	6.6917	0.0548	-0.0307	0.0855
YAW	0.0634	-0.0913	0.1547	0.0388	-0.0492	0.088	0.6253	-0.5978	1.2231	0.0249	-0.0186	0.0435
W				W			W			W		
PITCH	0.1312	-0.0397	0.1709	0.0357	-0.0493	0.085	0.1812	-0.4493	0.6305	0.017	-0.0452	0.0622
ROLL	1.0764	-0.5278	1.6042	0.1041	-0.1446	0.2487	3.9059	-2.574	6.4799	0.0734	-0.0474	0.1208
YAW	0.0495	-0.0375	0.087	0.05	-0.0414	0.0914	0.4206	-0.5107	0.9313	0.0248	-0.0283	0.0531
FOM			8.7466			1.4006			36.9844			1.0182

For this flight, the FOM values for the starboard boom are 1.40 and 1.02 for the port boom. The latter is higher from the previous FOM, but still well within the contract specification 2.0

Magnetics Lag Test

As per contract specification, a parallax test was flown on June 28th to verify the system lag, if any, of the magnetometers. The fuel cache on the north end of the Western Block (Block 2) was chosen as the distinct anomaly, and flown in opposite directions. Each sensor was diurnally corrected and presented in profile with the processed GPS. The two sensors were examined concurrently, and no system lag was observed in the reciprocal direction or between the two sensors. Figure 3 graphically summarizes the results of this lag test.

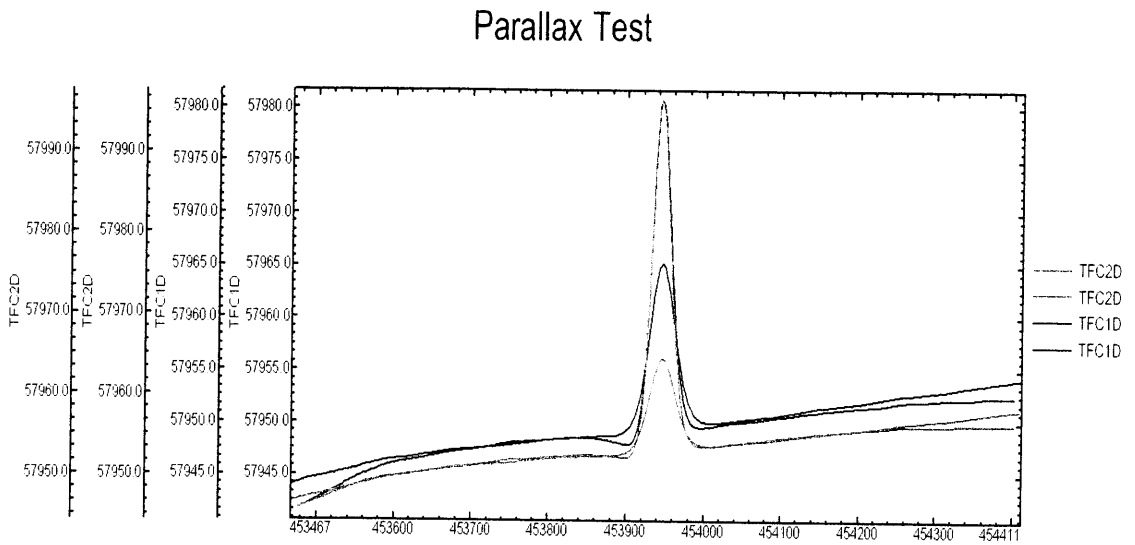


Figure 3 Summary of the lag test, flown on June 28th.

Data Processing

A speed check was performed on the differentially corrected X and Y data to ensure there were no spikes in the flight path. The positional data were then examined and broken or reflight lines were trimmed back to tie line intersections. Line ends were trimmed back to 100m beyond the survey boundary for presentation.

Spikes were removed in the laser altimeter using a digital terrain model (DTM) calculated from the GPS height and the laser. A despiked DTM was then computed and tie line leveled. Leveling corrections from the DTM were used to correct the GPS height. The barometric altimeter was leveled in a similar manner.

A fourth difference was calculated on the compensated magnetic data from the port and starboard sensors. This was used to locate spikes in the magnetic

data so they could be removed. The diurnal magnetic variation was then subtracted from the despiked magnetic data. The despiked total magnetic intensity (TMI) and the diurnal removed TMI were then gridded and compared to ensure diurnal removal improved the data. No lag was observed in the diurnal removed data and that was consistent with the field report. The IGRF was calculated based on the flying date and the leveled GPS height. Information on the IGRF algorithm can be found on the Internet at http://www.ngdc.noaa.gov. A grid of the IGRF was made and examined for abnormalities before the IGRF was applied to the magnetic data. The data for the two sensors was then used to produce the average magnetic value for the survey at the centre of the helicopter. This data was then tie line leveled and the resulting data were manually leveled and then microleveled to produce the final residual total magnetic field data.

The horizontal magnetic gradient was calculated from the IGRF corrected port and starboard magnetic sensor data. The horizontal gradient data were flipped for direction, a mean was subtracted and then they were manually leveled before a final microleveling pass.

Appendix A – Fugro General Safety Policy
POLICY 01: GENERAL HEALTH SAFETY & ENVIRONMENT POLICY

GENERAL POLICY

Fugro Airborne Surveys believes that the prevention of any work related illness or injury to its people and contractors is critical to the Company's success as a major provider of airborne geophysical services.

We are committed to providing a safe, healthy working environment for all personnel and contractors operating at our offices and work sites by having a robust Occupational Safety and Health (OSH) management system that is supported by policies, procedures and standards that meet or exceed all legal requirements. In doing so our policies, procedures and standards will reflect the intent as well as the substance of the various Occupational Safety and Health, as well as Aviation and other Acts, under which the Group of Companies operates.

OBJECTIVES

In implementing this OSH Policy throughout the Company, we are committed to achieve the following:

- Recognition as a leader in occupational safety & health management in the airborne geophysical services industry
- Provide support at all levels of the business to promote compliance with safety requirements.
- Actively support and participate in activities with bodies working to improve safety standards within the Airborne Geophysical Services industry.

KEY STRATEGIES

We will build success in achieving our objectives, based on the following Company-wide strategies:

- Working with customers, and contractors, to ensure that the Company's OSH Policy, Procedures and standards are maintained;
- Promoting OSH strategies, plans and procedures as integral to "the way we do business; "
- Conducting audits of essential elements of OSH directly involving our employees, customers and contractors;
- Developing a culture of continually improving the management of OSH;
- Empowering any employee to suspend work at any time until work can proceed without compromising the Safety & Health of any person affected by our activities;
- Encouraging reporting of all accidents, incidents and hazards by maintaining a "no blame culture" for those who report unplanned events;
- Participation in OSH programmes and compliance with all policies and procedures by all employees and contractors.

RESPONSIBILITIES

The responsibility for developing, maintaining and deploying this Policy rests with the management of Fugro Airborne Surveys.

The responsibility for applying this Policy rests with all Group and contractor employees.

M.C. (Mike) Carson
President
January 01, 2002

Appendix B – Equipment Maintenance Log

Instrument	Date/next flight	Description
Lambda external power supply	July 5	Surge, outputs only 16 V
PM module, FASDAS	July 3	Modified PM module to bypass fuse.
Fluxgate Translator Module	July 5	No fluxgate data coming in. Replacement sent July 7th. Replaced along with new PM module. FOM flown imm. afterwards
FASDAS	July 17th	Complete acquisition system including mag decoupler board changed. Carryovers from first system are the CPU, GPS.
FASDAS	July 21	Something failed in the second FASDAS chassis, would not power up. Went back to the old chasis but with FASDAS 2's guts.....(FPGA, GPS, serial, Flux TM module)

Appendix C – Data Processing Log – Data Alerts

Date	Flight/lines/	Description
June 26/04	all	Base station may be too far from area, may have to take GEM to block for survey. (GEM at block and base CF1 at camp identical, no need to set up GEM at block)
June 27/04	4-6	Cf1 recorded using the old format. Need to import using imp_823a directly into cesium.gdb.
June 30/04	11	Magnetic data not leveling properly (ROUGH TERRAIN)? Needs lots of manual leveling. Durnal in Spec, alt OK, compensation sees to be OK.
July 01/04	Flt 11 Line 10270-10320	no A/B Z-surveyor GPS for noted lines, substitute lat4 and lon 4 into lat_wp and lon_wp to calc. IGRF, but must offset by 2.1 m(See diagram to see position of RAW GPS antenna)
	14	10570, subst. Part of z with balt.
	All lines	Filtered xcor,ycor, (41 median, 41 hanning) trimmed to area, then corrected to center of A/C
	Some lines	Spiking in the mag, causes a bell shaped anomaly about .5-.6 nT, 1.5-2 sec. Long. Removed manually.
July 14/04	11570	Noisier mag, may be due to wind or climb, but still within Spec.
July 16/04	Flights 54 →	New FASDAS, but same setup, new FPGA boards
	Flight 47, 57	No airborne GPS, using filtered raw instead.
July 21/04	Flight 65	Bad TFC1 and TFC2, wrong coefficients after switch over! Post compensated using July22a coefficients. Copied original TFC1 and TFC2 into TFC1_bak and TFC2_bak
July 23	Line 12860 (flight 68-70 also)	Zcor replaced with balt_f for this line. Whole days worth of GPS questionable, satellite coverage bad and processing very noisy!
July 27	Lines 22630-22650	CF1 data not cover area because of file restart, substituted GEM. Gem file is 270704g. Used Geosoft to DC shift to cesium base level.

Appendix D – Personnel Changes and Extras List

Name-Position	Date Onsite	Date Offsite	Comments
Len Joa Pilot	June 22		
Jeff Johnston-AME	June 19		In camp before A/C arrival
Don Ellis	June 19	June23	Assisted in setup
Adam Ellis	June 23		
Amir Soltanzadeh	June 23		
John Thorsteinson	July 16		Pilot previously on site for Kennecott, but will fly some survey lines for leaf of LJ!

Appendix E – Daily Log

DAILY REPORT

FUGRO

JOB #	04056	CLIENT:	Kennecott		
Mob date:	19-Jun-04	Base:	St George's Camp		
	Contract	Total	19300.0	km	
	Planned	Total	19300.0	km	

Hours			
Ferry	Test/train	Survey	Total
24.5	6.6	186.5	217.6

Km				Stats	
Flown	Accepted	Remaining	% Done	km/hr	Km/day
16684.5	16105.0	3195	83%	86.354	375

Aircraft	
Set-up	2.5
[redacted]	23.25
[redacted]	0
[redacted]	8.25
[redacted]	4.5
[redacted]	0.5
[redacted]	1
Training	0
R&D	0
Crew	0
[redacted]	3
Idle	0
Total Days	43

Crew Leader:	Amir Soltanzadeh (AHS)
Pilot (s)	Len Joa (LJ)/John Thorsteinsson (JT)
AME	Jeff Johnston (JJ)/Jay Daniels(JD)
E. Tech	Adam Ellis (AE)/ Don Ellis (DE)
Processor	AHS

Date	Weekday	Flt	Crew	AIRCRAFT HOURS Ferry	Test Training	Survey	Total Hours	PRODUCTION Flown km	Accd km	Code				COMMENTS *Flown lines, Problems, Down Time, Safety Unusual Circumstances, Crew Moves*
19-Jun	Sat	0	DE							o	o	o	o	Don Ellis on site, awaiting arrival of equipment, heli
20-Jun	Sun		DE							o	o	o	o	Equipment on site, no heli
21-Jun	Mon		DE							o	o	o	o	no heli, bad weather
22-Jun	Tue		DE,LJ	9.5			9.5			F	F	F	IN	Heli arrived late from Rankin Inlet, no engineer. Start instalation
23-Jun	Wed		DE,LJ,AHS,JJ,AE				0.0			IN	IN	IN	IN	Engineer arrived late, continue installation. AHS and AE on site, DE leaves
24-Jun	Thu		LJ,AHS,AE,JJ	1.3	0.3		1.6			IN	IN	IN	F	Installation complete by 1400, test flight Ok, system mob to camp. No batteries for base station, went to town to purchase

25-Jun	Fri		LJ,AHS,AE,JJ				0.0			SAF	SAF	WS	ECF	Half morning reviewing Kennecott saftey manual, 1 hr on Fugro JSP. Weather bad all day, 'sucker holes' later in evening. Problem with cf1 and mag sensor not locking in, possible power problem with the counter
26-Jun	Sat	FOM	LJ,AHS,AE,JJ		0.8		0.8			P	P	P	p	FOM (1.5,0.7) Wind at base camp. Problem with CF1 solved.
		1		0.2		1.2	1.4	114.3	114.3					1st flight. Windy at camp, calm at block 1. Couldn't find fuel cache
		2		0.2		1.4	1.6	91.2	91.2					Some 'bumps' on tf2. Still couldn't find fuel cache
		3		0.4		2.4	2.8	183.2	183.2					Fuel cache found, bumps on tf2, two on tf1.
27-Jun	Sun		LJ,AHS,AE,JJ	0.2			0.2			WF	P	P	P	Aborted due to weather
		4		0.2		2.1	2.3	204.0	204.0					Diurnal not being corrected, may have to move base station to site.
		5				2.2	2.2	176.0	176.0					
		6		0.2		2.2	2.4	177.0	177.0					
28-Jun	Mon		LJ,AHS,AE,JJ	0.3			0.3	0.0	0.0	P	P	P	P	Aborted 1st attempt due to weather.
		7		0.3		2.1	2.4	212.0	212.0					
		8				2.6	2.6	208.0	208.0					
		9		0.5		2.5	3.0	228.0	228.0					
29-Jun	Tue	10	LJ,AHS,AE,JJ	0.4		2.1	2.5	158.0	158.0	P	WW	WS	WF	Fog, windy,rain,snow.
						0.4	0.4	0.0	0.0					Fog.
30-Jun	Wed	0	LJ,AHS,AE,JJ			0.0	0.0	0.0	0.0	WS	WF	WF	WF	Fog, windy,rain,snow. Weather bad all day
1-Jul	Thu	11	LJ,AHS,AE,JJ	0.4		2.1	2.5	182.8	182.8	P	P	P	P	Gem moved to fuel cache at block 1, no difference seen. Variations may be due to IGRF and alt.
		12				2.4	2.4	228.8	203.0					Spiking on TF2.
		13				2.3	2.3	228.6	194.0					Some lines rejected due to bumps on TF2, losing lock on some lines in rougher terraine. Due to orientation???
		14		0.3		2.3	2.6	228.6	143.0					Tf2 losing lock some lines, mags spiking on the 4th difference.....
2-Jul	Fri		LJ,AHS,AE,JJ		0.7		0.7			P	P	P	P	Reoriented sensors, FOM 2. Values higher for TF2, lower for TF 1 (??)
		15	LJ,AHS,AE,JJ	0.3		2.1	2.4	182.0	182.0					Continue Survey
		16	LJ,AHS,AE,JJ			2.9	2.9	274.3	262.0					Lines rejected due to bumps in TFC1,TFC2
		17	LJ,AHS,AE,JJ			2.8	2.8	274.3	250.0					

		18	LJ,AHS,AE,JJ	0.4		1.2	1.6	114.3	112.0					
3-Jul	Sat		LJ,AHS,AE,JJ	0.0			0.0			WF	WF	EMM	EMM	Rain and Fog in morning. Lambda putting out only 16 V, FASDAS refuses to boot, problem with tripping a breaker.
4-Jul	Sun		LJ,AHS,AE,JJ	0.0			0.0			EMM	EMM	EMM	EMM	Partly cloudy, some wind. FASDAS problem still not solved
5-Jul	Mon		LJ,AHS,AE,JJ	0.0	1.5		1.5			EMM	EMM	EMM	EMM	Modified PM board, test flight, no fluxgate data. Attempted repair failed, awaiting part for Wed. night.
6-Jul	Tue		LJ,AHS,AE,JJ	0.0			0.0			EMM	EMM	EMM	EMM	Eqipmwnt shipped from Toronto & ottawa
7-Jul	Wed		LJ,AHS,AE,JJ		0.7		0.7			EMM	EMM	EMM	P	Spares arrives at 20:00. Fom, data checks out.
8-Jul		19	LJ,AHS,AE,JJ	0.2		2.4	2.6	186.0	186.0	WF	WF	P	P	Bad weather in the morning, marginal in the afternoon
	Thu	20	LJ,AHS,AE,JJ	0.2		1.5	1.7	137.0	137.0					
9-Jul			LJ,AHS,AE,JJ	0.2			0.2			p	p	p	p	Still getting 'bumps' on both channels, seems to be at steep areas. Spoke to office, may be in the mag processor????
		21	LJ,AHS,AE,JJ			2.9	2.9	274.0	266.0					
		22	LJ,AHS,AE,JJ			2.7	2.7	274.0	247.0					
		23	LJ,AHS,AE,JJ			2.3	2.3	228.0	215.0					
		24	LJ,AHS,AE,JJ	0.3		1.8	2.1	182.0	182.0					
	Fri		LJ,AHS,AE,JJ				0.0							
10-Jul		25	LJ,AHS,AE,JJ	0.2		1.6	1.8	126.0	126.0	p	p	p	p	Decided Block2 may be more important for 2 man crew. Less fuel, more flights due to rougher terrain. No flight 29, traing pilot for possible single pilot flight. Still some bumps on both channels
		26	LJ,AHS,AE,JJ			2.0	2.0	158.0	158.0					
		27	LJ,AHS,AE,JJ			1.8	1.8	126.0	126.0					
		28	LJ,AHS,AE,JJ			1.6	1.6	84.0	94.0					
	Sat	30	LJ,AHS,AE,JJ	0.2		1.5	1.7	94.0	94.0					
11-Jul		31	LJ,AHS,AE,JJ	0.2		1.7	1.9	95.0	77.4	p	p	p	p	Rough area of block 2
		32	LJ,AHS,AE,JJ			1.9	1.9	146.0	115.0					
		33	LJ,AHS,AE,JJ			2.0	2.0	191.0	150.0					
	Sun	34	LJ,AHS,AE,JJ	0.2		1.9	2.1	153.0	153.0					
12-Jul		35	LJ,AHS,AE,JJ	0.2		1.3	1.5	67.0	67.0	p	p	p	p	Flight of missing lines
		36	LJ,AHS,AE,JJ			2.0	2.0	187.0	165.0					
		37	LJ,AHS,AE,JJ	0.2		2.5	2.7	261.0	248.0					
	Mon	38	LJ,AHS,AE,JJ			1.3	1.3	112.0	105.0					
13-Jul	Tue	39	LJ,AHS,AE,JJ	0.3		0.4	0.7	43.0	43.0	WF	p	p	p	Aborted due to weather, block 1. Block 2 covered
		40		0.2		2.7	2.9	261.0	250.0					

		41				2.1	2.1	160.0	160.0					
		42				2.3	2.3	193.0	193.0					
		43				1.2	1.2	112.0	112.0					
14-Jul		44		0.2		2.3	2.5	228.0	210.0					
		45	LJ,AHS,AE,JJ			2.8	2.8	270.0	270.0	p	p	p	p	
		46				2.8	2.8	275.0	275.0					
	Wed	47		0.3		1.3	1.6	137.0	137.0					
15-Jul	Thu		LJ,AHS,AE,JJ				0.0	0.0	0.0	wf	ws	ws	wf	received update, AE modified board, waiting for office to update eeprom
16-Jul		48		0.2		2.3	2.5	229.0	210.0					Told to change FASDAS, changed back to original setup for survey. Attempted to change FASDAS, laser and GPS not working, back to original setup again.
		49				1.8	1.8	270.0	270.0	p	p	p	p	
	Fri	50	LJ,AHS,AE,JJ	0.2		2.0	2.2	275.0	275.0					
17-Jul		51	LJ,AHS,AE,JJ	0.2		2.1	2.3	203.0	195.0	p	p	p	p	Called S.A. Switched CPU with old FASDAS, GPS. New Fasdas installed at end of day, FOM, 4 survey lines. EXCELLENT!. FOM values higher, 1.7 and 1.4. May be due to windy conditions. Another to be flown. Problem with radio transmitter causing problems with mag for the first line. Solved
		52	LJ,AHS,AE,JJ			2.1	2.1	204.0	200.0					
		53	LJ,AHS,AE,JJ			2.4	2.4	245.0	214.0					
	Sat	54	LJ,AHS,AE,JJ	0.2		0.7	0.9	76.0	57.0					
18-Jul		55	LJ,AHS,AE,JJ	0.3		2.4	2.7	228.0	216.0	wf	p	p	wf	FasDas resyncing at start of line, large spike. Otherwise OK
		56	LJ,AHS,AE,JJ,JT			2.2	2.2	207.0	207.0					
	Sun	57	LJ,AHS,AE,JJ,JT	0.2		0.4	0.6							
19-Jul		58	LJ,AHS,AE,JJ,JT	0.2		1.7	1.9	139.0	129.0					Some lines rejected due to flight path
		59	LJ,AHS,AE,JJ,JT			2.7	2.7	240.0	210.0	p	p	p	p	Some lines rejected due to flight path
		60	LJ,AHS,AE,JJ,JT	0.3		2.4	2.7	240.0	192.0					Some lines rejected due to flight path
	Mon	61	LJ,AHS,AE,JJ,JT			2.5	2.5	228.0	228.0					
20-Jul		62	LJ,AHS,AE,JJ,JT	0.2		2.3	2.5	205.0	205.0					
		63	LJ,AHS,AE,JJ,JT			2.9	2.9	275.0	275.0	p	p	p	p	
		64	LJ,AHS,AE,JJ,JT	0.3		2.3	2.6	228.0	228.0					
	Tue					0.8	0.8	0.0	0.0					windy and foggy. Aborted.
21-Jul	Wed	65	LJ,AHS,AE,JJ,JT	0.2	1.1	0.5	1.8	52.0	52.0	wf	wf	p	wf	Attempt at flight. FASDAS power supply crashed, changed chasis. Attempt at FOM. Flight had to be post compensated using coefficients from July 22a

22-Jul			LJ,AHS,AE,JJ,JT				0.0							
			LJ,AHS,AE,JJ,JT				0.0							Aborted
	Thu	66	LJ,AHS,AE,JJ,JT		1.5	1.0	2.5	87.0	87.0	ww	ww	ww	p	windy. 3 FOM in the afternoon. Residuals very high, (1.7 and 1.96) from realtime, post compensated very low. Results comparable on survey lines. 4 lines from block 2.
23-Jul		67	LJ,AHS,AE,JD,JT	0.3		2.1	2.4	210.0	210.0	p	p	p	p	Block 1
		68	LJ,AHS,AE,JD,JT			2.8	2.8	274.0	274.0					
		69	LJ,AHS,AE,JD,JT			2.3	2.3	220.0	220.0					
	Fri	70	LJ,AHS,AE,JD,JT	0.3		2.1	2.4	188.0	188.0					Block 2
24-Jul		71	LJ,AHS,AE,JD,JT	0.2		2.4	2.6	220.0	220.0	p	p	p	p	
		72	LJ,AHS,AE,JD,JT			2.7	2.7	277.0	277.0					Started flying half lines on block by client's request
		73	LJ,AHS,AE,JD,JT			2.6	2.6	276.0	276.0					
	Sat	74	LJ,AHS,AE,JD,JT	0.2		2.0	2.2	168.0	168.0					
25-Jul		75	LJ,AHS,AE,JD,JT	0.3		2.2	2.5	208.0	203.0	P	P	P	wf	Line rejected due to time sync problem at start of flight
		76	LJ,AHS,AE,JD,JT			2.2	2.2	190.0	185.0					
	Sun	77	LJ,AHS,AE,JD,JT	0.3		1.3	1.6	153.0	153.0					
26-Jul		78	LJ,AHS,AE,JD,JT	0.2		2.7	2.9	250.0	250.0	P	P	P	P	
		79	LJ,AHS,AE,JD,JT			2.6	2.6	254.0	250.0					Part lines rejected due to time synch spikes at start of flight
		80	LJ,AHS,AE,JD,JT			2.5	2.5	256.0	255.0					
	Mon	81	LJ,AHS,AE,JD,JT	0.2		1.3	1.5	123.0	123.0					
27-Jul		82	LJ,AHS,AE,JD,JT	0.2		2.4	2.6	195.0	195.0	p	p	p	p	Survey to be called due to Clients obligations to JV partners
		83	LJ,AHS,AE,JD,JT			2.1	2.1	195.0	195.0					8 KM lines in Block 2
	Tue	84	LJ,AHS,AE,JD,JT	0.2		2.3	2.5	210.0	210.0					
28-Jul		85	LJ,AHS,AE,JD,JT	0.2		1.8	2.0	151.0	151.0	p	p	p	p	Reflights for Block2
		86	LJ,AHS,AE,JD,JT			1.6	1.6	24.0	24.0					Lots of ferrying between lines.
	Wed	87	LJ,AHS,AE,JD,JT	0.2		1.0	1.2	75.1	75.1					
29-Jul	Thu		LJ,AHS,AE,JD,JT	0.0	0.0	0.0	0.0	0.0	0.0	wf	wf	wf	wf	
30-Jul	Fri		LJ,AHS,AE,JD,JT	0.2			0.2			wf	p	p	p	Reflights for Block 1, 2 Flight 87s
		87	LJ,AHS,AE,JD,JT	0.2		2.1	2.3	190.0	190.0					Infills for lines not yet flown
		88	LJ,AHS,AE,JD,JT			2.3	2.3	190.0	190.0					
		89	LJ,AHS,AE,JD,JT			2.2	2.2	190.0	190.0					
		90	LJ,AHS,AE,JD,JT			2.6	2.6	95.0	95.0					

31-Jul	Sat		LJ,AHS,AE,JD,JT	0.2			0.2			wf	p	in	in	Aborted flight
		91	LJ,AHS,AE,JD,JT			0.9	0.9	46.0	46.0					Completeted coverage of modified suvery area.
				0.2			0.2							Flight to Jackson Inlet to uninstall
				0.2			0.2							Flight back to Camp from Jackson Inlet, helicopter released
1-Aug	Sun													Crew ready to Demob, weather bad
2-Aug	Mon													Crew demobed out of St. Josephs Camp, Heli under Kennecott Control
3-Aug	Tue													
4-Aug	Wed													
5-Aug	Thu													
6-Aug	Fri													
7-Aug	Sat													

ANNEX 2

Fugro Airborne Surveys

Logistics and Processing Report

Year 2005 MIDAS Magnetic Horizontal Gradient Survey

Brodeur Peninsula, Baffin Island, Nunavut

FUGRO AIRBORNE SURVEYS

Job #05018

Brodeur Peninsula, Nunavut

on behalf of

Twin Mining Corporation

Fugro Airborne Surveys Logistics and Processing Report

By: Russell Imrie, Geophysicist
Date: November 30, 2005

Table of Contents

Introduction **3**

Job Information **3**

Safety **4**

Airborne Survey Equipment **4**

MAGNETICS 4
POSITIONING 5
GPS Navigation System 5
Altimeters 5
ADDITIONAL SURVEY EQUIPMENT 5

Base Stations **5**

CF1 Base station 5
GPS Base station – Ashtech Z-Surveyor 7

Tests and Calibrations **7**

Figure of Merit. 7
Magnetics Lag Test 8
Data Processing 8
Measured Horizontal Magnetic Gradient 8
Enhanced Total Magnetic Field 9
Calculated Vertical Magnetic Gradient 9

Appendix A – Fugro General Safety Policy **10**

Appendix B – Personnel Changes and Extras List **11**

Appendix C – Archive Documentation **12**

Introduction

From June 21, 2005 to August 13, 2005 a 15241 km dual sensor magnetic gradiometer survey was flown over eleven blocks on the Brodeur peninsula Nunavut. This report provides a summary of the survey parameters, personnel and equipment used to collect the data and a description of data processing methods used to provide the final digital data and maps.

Job Information

Fugro job number:	05018
Job Type:	MIDAS MAG Horizontal Gradient
Client:	Twin Mining Corporation
Survey name:	Nanisivik
Client contact:	Dallas Davis
Survey location:	Brodeur Peninsula, Nunavut
Base of Operations:	Nanisivik Airport, June 1 – July 20
Base of Operations:	Twin Mining Camp Jackson Inlet, 21 July on
Helicopter Company:	Questral Helicopters Limited
Survey Helicopter:	Model: AS350B Registration: C-FDYS

Survey Crew

Name	Title	Company
Darcy McGill	Crew Chief - Geophysicist	Fugro Airborne Surveys
Andy Semple	Geophysical operator	Fugro Airborne Surveys
Bruce Bishop	Helicopter Pilot	Questral Helicopters Limited
Colin Quinlan	AME	Questral Helicopters Limited
Anton Nosic	Geophysical Technician	Fugro Airborne Surveys
Tom McMahon	Helicopter Pilot	Questral Helicopters Limited
Ted Hay	Helicopter Pilot	Questral Helicopters Limited
Amit Praharaj	Geophysical operator	Fugro Airborne Surveys
Jeff Fleming	Crew Chief - Geophysicist	Fugro Airborne Surveys
Mark Aprille	AME	Questral Helicopters Limited
Jeff Fullerton	Helicopter Pilot	Questral Helicopters Limited

Block Information (line kilometers of data presented)

Block#	Block Name	Line Direction	Traverse/Tie Spacing	Line km	Tie km	Total km
1		N-S	150	4970.1	505.3	5475.4
2		N-S	150	5224.7	537.7	5764.1
3		N-S	150	390.6	39.9	430.5
4		N-S	150	1138.8	113.3	1252.1
5		N-S	150	492.4	51.9	544.3
6		N-S	150	488.2	51.7	539.9
7		N-S	150	1004.4	98.5	1102.9
8		N-S	50	20.2	0	20.2
9		N-S	50	20.3	0	20.3
10		N-S	50	17.7	0	17.7
11		N-S	100	72.8	2.8	75.6
Total				13838.2	1401.1	15239.3

Safety

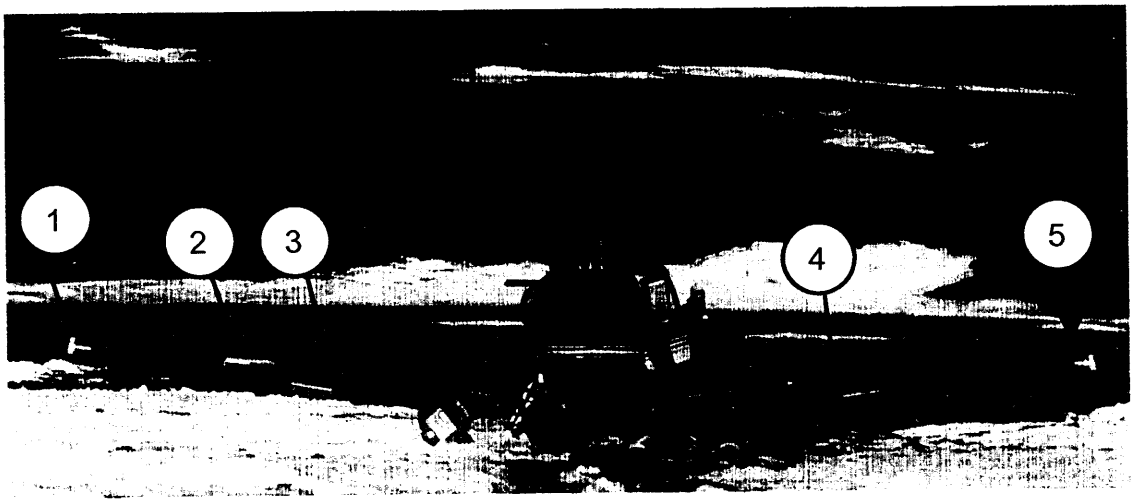
Fugro Airborne Surveys is committed to providing safe working environments for all employees and contractors. On site safety meetings are held weekly to ensure that safe working conditions are maintained throughout the course of the survey, and to make field crew and Fugro management aware of any safety concerns that may arise. A thorough "start up" safety report is completed and approved by Fugro management prior to any survey activity.

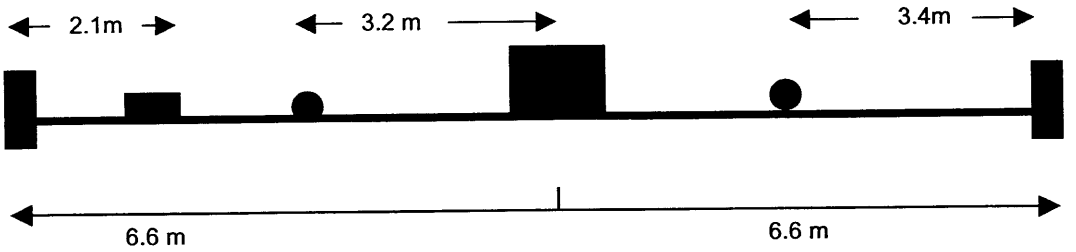
Refer to Appendix A for Fugro Airborne Surveys' General Safety Policy. Additional information can be obtained from Fugro's safety officer.

Airborne Survey Equipment

MAGNETICS

Magnetics System:	Multi-sensor MIDAS horizontal Gradiometer
Mag counter:	FASDAS
Mag sensor:	Scintrex CS3





1 Starboard Magnetic Sensor
2 Fluxgate
3 Dual Frequency GPS antenna
4 Single Frequency antenna, navigation
5 Port Magnetic Sensor

POSITIONING

GPS Navigation System

Heli Navigation System:	Novatel 3951
Post Processed System:	Ashtech Z-Surveyor

The dual frequency GPS antenna is located on the starboard boom 3.2 m offset from the centre of the helicopter. This receiver is used to capture the position data that is differentially corrected after the flight. The corrected data are then shifted to give the position of the centre of the helicopter. The single frequency navigation GPS antenna is located on the port boom. This collects data that is differentially corrected in flight to give the pilot navigation information. Due to the high latitude of the survey, real time GPS correction was not always available.

Altimeters

Helicopter Radar:	Honeywell/Sperry RT300
Laser:	Optech ADMGPA100

The radar altimeter is located on a crossbar under the belly of the helicopter. This crossbar also houses the laser altimeter.

ADDITIONAL SURVEY EQUIPMENT

Acquisition system:	FASDAS
Data storage	IBM MicroDrive
Barometric pressure	Motorola MPX4115AP
Flight path video camera	Panasonic WVCD/32 Colour
Flight path video recorder	Panasonic AG-720

Base Stations

CF1 Base station

The CF1 base station is a multi-sensor unit designed and built by Fugro Airborne Surveys. The station includes the following:

- GPS system for synchronization to UTC time and backup GPS base data
- Cesium magnetometer for diurnal data collection
- LCD screen indicating total magnetic field values, real time linear and non-linear magnetic diurnal variation, battery voltage, file name and disk space available.
- Two temperature sensors (external and internal)
- Barometric pressure sensor

All data were recorded at one hertz on compact flash cards.

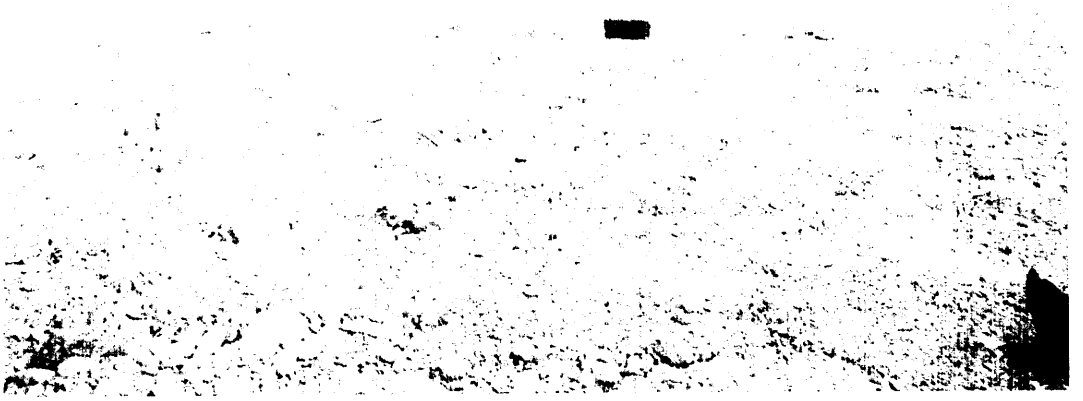


Figure 1 Base station setup from June 21 to July 14 at the fuel cache.

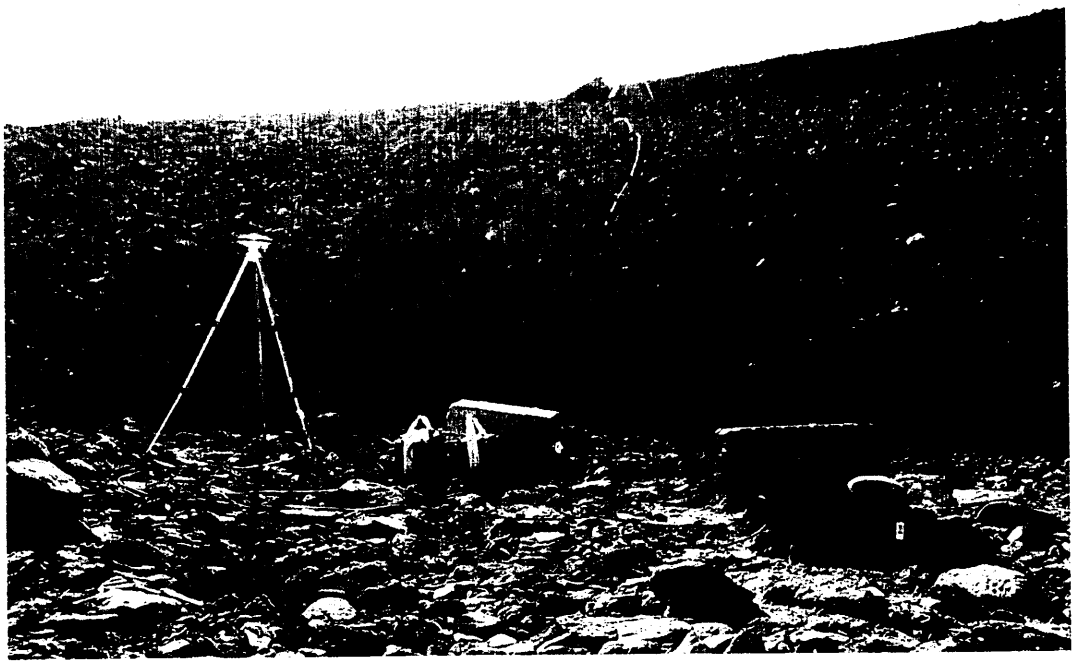


Figure 2 Base station setup at Twin Mining's Camp near Jackson Inlet.

From the first survey flight on June 21 to flight 20 on July 14th the base station was located at the fuel cache (see figure1). From the next survey flight on July 21st until the end of the job on August 13th the base station was located at the Twin Mining Camp near Jackson's Inlet. In both locations the GPS antenna was positioned such that it would have a clear view of the sky.

The positions and applicable dates for each base station location are summarized in table 1.

Receiver	Location	WGS84 Lat	WGS84 Lon	WGS84 Elevation	Setup	Tear down
Ashtech Z-Surveyor	**Fuel Cache 1**	**73° 0' 42.59081"N**	**87° 33' 0.03928"W**	**314.923m**	**6/21/2005**	**7/14/2005**
CF1 Marconi	**Fuel Cache 1**	**73° 0' 42.68196"N**	**87° 33' 0.58788"W**	**315.00m**	**6/21/2005**	**7/14/2005**
Ashtech Z-Surveyor	**Twin Mining Camp**	**73° 16' 38.34744"N**	**88° 16' 14.33861"W**	**90.289m**	**7/21/2005**	**8/13/2005**
CF1 Marconi	**Twin Mining Camp**	**73° 16' 38.47983"N**	**89° 16' 14.43843"W**	**85.719m**	**7/21/2005**	**8/13/2005**

Table 1 Base Station location summary

GPS Base station – Ashtech Z-Surveyor

The Ashtec Z-Surveyor is a stand-alone Dual frequency GPS receiver with a built-in PC Card to store positional data. Data collected from this unit is post differentially corrected with the airborne GPS to give sub meter accuracy.

Tests and Calibrations

Figure of Merit.

Compensation of magnetic readings is required when the magnetometers are mounted on, or in close proximity to the aircraft. When the aircraft moves through the earth's magnetic field the metallic parts and surfaces of the aircraft, and the crew and their configuration within the aircraft create secondary magnetic fields. A compensation calibration test is flown to calculate the effects of the aircraft, its control surfaces and crew on the magnetic field. The test is flown at high altitude, beyond the geological magnetic effect. The aircraft flies in each of the survey directions performing a series of maneuvers that moves the aircraft along each of its three axis of rotation. The aircraft's effect on the magnetic data is calculated and removed from the magnetic data collected during the survey. The compensated data is then analyzed to determine the effectiveness of the compensation. The effectiveness is expressed as a "Figure of Merit" (FOM). The compensation flight was flown six times during the survey.

The first FOM was out of specifications showing noise that was traced to the anti-collision light breaker in the aircraft. After this was corrected the second FOM was within contract specifications. All other FOM's were flown after crew changes and their results were within the contract specifications.

Magnetics Lag Test

As per contract specification, a parallax test was flown early in the survey. The test was inconclusive but it appeared as if no lag needed to be applied, apart from the standard acquisition system lag.

Data Processing

A speed check was performed on the differentially corrected X and Y data to ensure there were no spikes in the flight path. The positional data were then examined and in the case of lines where there were reflights, trimmed back to tie line intersections. Line ends were trimmed back to 100m beyond the survey boundary for presentation.

Spikes were removed in the laser altimeter using a digital terrain model (DTM) calculated from the GPS height and the laser. A despiked DTM was then computed and tie line leveled. Leveling corrections from the DTM were used to correct the GPS height.

A fourth difference was calculated on the compensated magnetic data from the port and starboard sensors. This was used to locate spikes in the magnetic data so they could be removed. The diurnal magnetic variation was then subtracted from the despiked magnetic data. The despiked total magnetic intensity (TMI) and the diurnal removed TMI were then gridded and compared to ensure diurnal removal improved the data. No lag was observed in the diurnal removed data for block one. This was consistent with the lag test performed in the field. However, one tenth of a second of lag was visible in all the other areas and was applied. The International Geomagnetic Reference Field (IGRF) was calculated based on the flying date and the leveled GPS height. Information on the IGRF algorithm can be found on the Internet at http://www.ngdc.noaa.gov. A grid of the IGRF was made and examined for abnormalities before the IGRF was applied to the magnetic data. The data for the two sensors were then used to produce the average magnetic value for the survey at the centre of the helicopter. These data were then tie line leveled and the resulting data were manually leveled and then microleveled to produce the final residual total magnetic field data.

Measured Horizontal Magnetic Gradient

The horizontal magnetic gradient was calculated from the IGRF corrected port and starboard magnetic sensor data. Starboard minus port divided by the sensor separation of 13.2 metres. Lines flown with a south or east bearing were multiplied by negative one to maintain a consistent direction in the gradient.

The median of the gradient was then subtracted on a line-by-line basis and then the data were manually leveled before a final microleveling pass.

Enhanced Total Magnetic Field

Bidirectional gridding with the cross-line gradient should produce a surface that correctly renders both the measured data and the measured horizontal gradient at each survey line. This can be an advantage when gridding data that include features approaching the line separation in size and also for rendering features that are not perpendicular to the line direction, particularly those which are sub-parallel to the line direction. Direct results of the application of Horizontal Gradient Enhanced (HGE) gridding are:

- Increased resolution and continuity of magnetic features parallel or sub-parallel to the flight line direction.
- Correct spatial positioning of finite source magnetic bodies between lines.
- Improved resolution of analytical signal and enhanced analytic signal products.

Final transverse magnetic gradient data were used to create a Horizontal Gradient Enhanced grid of the total magnetic field. This grid was created using the enhanced bi-directional gridding tool available within newer versions of Geosoft Oasis Montaj.

Calculated Vertical Magnetic Gradient

The diurnally corrected enhanced total magnetic field data were subjected to a processing algorithm that enhances the response of magnetic bodies in the upper 500 m and attenuates the response of deeper bodies. The resulting vertical gradient map provides better definition and resolution of near-surface magnetic units. It also identifies weak magnetic features that may not be evident on the total field map. However, regional magnetic variations and changes in lithology may be better defined on the total magnetic field map.

Respectfully submitted,

FUGRO AIRBORNE SURVEYS CORP.

Russell Imrie B.Sc.
Geophysicist

Appendix A – Fugro General Safety Policy

POLICY 01: GENERAL HEALTH SAFETY & ENVIRONMENT POLICY

GENERAL POLICY

Fugro Airborne Surveys believes that the prevention of any work related illness or injury to its people and contractors is critical to the Company's success as a major provider of airborne geophysical services.

We are committed to providing a safe, healthy working environment for all personnel and contractors operating at our offices and work sites by having a robust Occupational Safety and Health (OSH) management system that is supported by policies, procedures and standards that meet or exceed all legal requirements. In doing so our policies, procedures and standards will reflect the intent as well as the substance of the various Occupational Safety and Health, as well as Aviation and other Acts, under which the Group of Companies operates.

OBJECTIVES

In implementing this OSH Policy throughout the Company, we are committed to achieve the following:

- Recognition as a leader in occupational safety & health management in the airborne geophysical services industry
- Provide support at all levels of the business to promote compliance with safety requirements.
- Actively support and participate in activities with bodies working to improve safety standards within the Airborne Geophysical Services industry.

KEY STRATEGIES

We will build success in achieving our objectives, based on the following Company-wide strategies:

- Working with customers, and contractors, to ensure that the Company's OSH Policy, Procedures and standards are maintained;
- Promoting OSH strategies, plans and procedures as integral to "the way we do business; "
- Conducting audits of essential elements of OSH directly involving our employees, customers and contractors;
- Developing a culture of continually improving the management of OSH;
- Empowering any employee to suspend work at any time until work can proceed without compromising the Safety & Health of any person affected by our activities;
- Encouraging reporting of all accidents, incidents and hazards by maintaining a “no blame culture” for those who report unplanned events;
- Participation in OSH programmes and compliance with all policies and procedures by all employees and contractors.

RESPONSIBILITIES

The responsibility for developing, maintaining and deploying this Policy rests with the management of Fugro Airborne Surveys.

The responsibility for applying this Policy rests with all Group and contractor employees.

M.C. (Mike) Carson
President
January 01, 2002

Appendix B – Personnel Changes and Extras List

Name	Position	Company	Date On Site	Date Off Site
Darcy McGill	Crew Leader / Processor	Fugro Airborne Surveys	1-Jun	20-Jul
Jeff Fleming	Crew Leader / Processor	Fugro Airborne Surveys	20-Jul	13-Aug
Andy Semple	Operator	Fugro Airborne Surveys	1-Jun	26-Jul
Amit Praharaj	Operator	Fugro Airborne Surveys	20-Jul	13-Aug
Anton Nosic	Other	Fugro Airborne Surveys	1-Jun	11-Jun
Bruce Bishop	Pilot	Questral Helicopters Limited	4-Jun	25-Jun
Tom McMahon	Pilot	Questral Helicopters Limited	25-Jun	8-Jul
Ted Hay	Pilot	Questral Helicopters Limited	8-Jul	9-Jul
Bruce Bishop	Pilot	Questral Helicopters Limited	9-Jul	20-Jul
Tom McMahon	Pilot	Questral Helicopters Limited	21-Jul	27-Jul
Jeff Fullerton	Pilot	Questral Helicopters Limited	27-Jul	13-Aug
Colin Qunlan	AME	Questral Helicopters Limited	4-Jun	20-Jun
Colin Qunlan	AME	Questral Helicopters Limited	2-Jul	20-Jul
Mark Aprille	AME	Questral Helicopters Limited	20-Jul	13-Aug

Appendix C – Archive Documentation

This archive contains FINAL DATA ARCHIVES of an airborne geophysical survey conducted by FUGRO AIRBORNE SURVEYS CORP. on behalf of Twin Mining Corp. over 11 blocks on the Brodeur Peninsula of Nunavut from June to August, 2005
Please note that the block 10 data is included in the block 01 database.
Job # 05018

Reference: CCD02398 Disk 1 of 1
Archive Date: January 9, 2006

README_05018.TXT- This file

GRIDS\ all grids in Geosoft format

HECVG-*.grd - Vertical gradient calculated from HEMAG, Block *
HEMAG-*.grd - Horizontal gradient enhanced residual magnetic field, Block *
HGRAD-*.grd - Measured horizontal magnetic gradient, Block *

LINEDATA\

BLOCK**.XYZ - Geosoft format ASCII data archive Block **

Geosoft Database ARCHIVE SUMMARY

# CHANNAME	UNITS	DESCRIPTION
1 X	m	UTME-NAD27 Zone 16
2 Y	m	UTMN-NAD27 Zone 16
3 FID		fiducial
4 Z	m	bird height above ellipsoid WGS84
5 LASER	m	laser altimeter
6 DTM	m	digital terrain model Z-LASER
7 MAGS	nT	despiked raw total magnetic field - starboard sensor
8 MAGP	nT	despiked raw total magnetic field - port sensor
9 MAGS_LAG	nT	lagged total magnetic field - starboard sensor
10 MAGP_LAG	nT	lagged total magnetic field - port sensor
11 DIURNAL	nT	diurnal variation
12 MAGAVG	nT	diurnal corrected magnetic field, (port + starboard)/2
13 IGRF	nT	international geomagnetic reference field
14 MAG	nT	final leveled total magnetic field, IGRF removed
15 HGRAD	nT/m	leveled measured horizontal magnetic gradient
16 DATE	YYYY/MM/DD	date of flight
17 FLIGHT		flight number

The coordinate system for all grids and XYZ files are projected as follows

Datum	NAD27
Spheroid	Clarke 1866
Local Transformation	Mean Canada
Projection	UTM
Central meridian	87 West
False easting	500000
False northing	0

Scale factor	0.9996
Northern parallel	N/A
Base parallel	N/A
WGS84 to local conversion method	Molodensky
Delta X shift	+10
Delta Y shift	-158
Delta Z shift	-187

ANNEX 3

Magnetic Anomalies Selected

by

Fugro Airborne Surveys

Year 2005 MIDAS Magnetic Horizontal Gradient Survey

Brodeur Peninsula, Baffin Island, Nunavut

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

CG1 TEST BLOCK - 05 (or BLOCK 11)

TEST SURVEY BLOCK WITHIN WHICH OCCURS THE
CARGO 1 KIMBERLITE DISCOVERED IN 2001

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
110020	1021.5	463460.8	8128232.2	25.8	1.50
110020	1056.8	463460.9	8129234.3	35.6	37.25
110030	1154.3	463559.3	8129313.9	32.2	15.29
110060	2121.0	463859.8	8127554.1	47.1	0.80

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 1-05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
10040	2592.9	490085.8	8100199.9	36.0	4.42
10050	2833.0	490223.6	8099968.2	34.0	2.65
10060	3683.4	490377.4	8100372.0	35.3	3.55
10070	3926.2	490538.0	8099965.7	28.0	2.16
10080	4704.1	490693.0	8099964.9	33.1	4.12
10080	4727.0	490679.8	8100814.9	31.2	2.36
10090	4949.5	490833.8	8100029.6	30.2	9.50
10090	4952.0	490833.3	8099929.7	29.4	2.91
10190	1382.6	492317.9	8102692.3	35.8	2.62
10210	2533.1	492629.3	8092909.6	36.3	2.85
10230	3193.4	492943.6	8101232.4	31.6	3.63
10290	579.3	493817.9	8101585.7	29.4	2.62
10311	9108.9	494133.4	8100878.5	31.3	3.58
10321	8902.1	494267.6	8096216.1	27.3	2.27
10321	9005.7	494279.3	8100033.5	23.1	2.45
10321	9027.6	494283.0	8100896.5	32.7	3.30
10341	9702.0	494579.7	8100813.6	31.3	5.00
10361	8932.9	494888.5	8102442.9	29.5	9.13
10373	716.9	495042.4	8100864.9	35.9	5.31
10373	726.6	495019.9	8101314.6	32.2	2.49
10381	7890.4	495179.0	8095479.8	33.7	4.27
10381	8055.6	495172.9	8101945.6	32.8	3.65
10390	877.7	495322.7	8095456.9	32.0	3.50
10390	1080.6	495324.1	8103677.1	35.1	2.10
10390	1216.3	495320.1	8109489.4	30.4	3.97
10400	5394.2	495479.7	8095460.0	29.4	4.59
10400	5425.6	495468.8	8094246.0	31.0	3.44
10410	5769.2	495651.4	8094352.0	36.2	2.23
10410	5952.7	495651.8	8101278.8	25.4	4.24
10410	6010.1	495629.9	8103568.2	35.8	2.76
10410	6051.6	495632.8	8105274.4	35.2	2.64
10410	6212.2	495618.7	8111785.9	32.5	2.13
10421	9271.1	495779.3	8106523.1	28.4	2.62
10421	9314.5	495773.9	8104580.6	34.2	4.55
10421	9537.3	495767.6	8095146.0	30.5	2.45
10431	1095.6	495928.3	8101268.7	28.7	4.66
10431	1223.8	495929.2	8106553.1	32.6	3.96
10431	1369.1	495933.0	8112182.5	31.5	2.72
10440	4152.5	496073.2	8112522.3	32.2	2.30
10440	4303.1	496071.0	8106556.3	33.2	3.10
10440	4382.2	496074.1	8103349.2	32.5	2.66

10440	4599.6	496066.6	8094786.2	32.3	2.15
10450	7991.7	496225.4	8106534.3	33.9	2.35
10450	8019.0	496226.2	8105420.8	36.4	4.57
10450	8029.8	496222.6	8104975.3	29.2	2.36
10450	8044.7	496208.8	8104375.7	33.6	3.51
10450	8070.3	496218.9	8103320.5	30.0	2.67
10461	8857.6	496376.2	8103366.5	36.6	5.29
10470	1175.4	496546.1	8103408.7	35.3	4.59
10470	1203.9	496539.4	8104711.2	33.9	2.46
10470	1240.1	496533.0	8106405.4	32.9	2.32
10470	1375.0	496533.3	8112412.0	31.5	2.26
10480	1868.7	496676.2	8110654.9	33.0	2.89
10480	1893.7	496673.5	8109694.3	30.9	2.28
10480	1980.7	496684.0	8106313.9	31.1	4.75
10480	2021.4	496665.7	8104754.8	32.4	2.66
10490	2856.0	496839.1	8105134.8	37.0	2.29
10490	2881.5	496853.4	8106316.6	37.2	2.23
10500	3402.2	496973.5	8114357.7	30.5	4.29
10500	3514.1	496972.9	8110073.3	27.4	2.76
10500	3592.7	496978.2	8106979.8	30.3	4.38
10500	3654.8	496977.1	8104671.1	29.0	8.58
10500	3824.8	496976.9	8097961.0	27.9	3.21
10500	3830.6	496976.3	8097734.4	35.0	3.27
10510	4432.0	497128.0	8103650.5	37.0	2.72
10510	4451.7	497140.3	8104558.7	37.0	2.64
10510	4455.3	497140.0	8104727.2	37.1	5.95
10520	5097.2	497276.5	8110022.4	33.5	2.48
10520	5172.5	497290.2	8106994.4	32.8	3.41
10520	5236.5	497261.3	8104705.7	30.8	4.42
10520	5261.9	497290.3	8103745.0	33.1	4.67
10520	5272.2	497279.9	8103337.4	30.3	3.62
10540	6452.7	497570.7	8109835.4	31.0	4.86
10550	7179.4	497725.7	8105975.8	32.6	4.86
10550	7280.5	497737.4	8109886.2	32.3	2.02
10560	7802.5	497873.1	8111065.0	33.3	2.76
10560	7851.3	497878.7	8109347.3	33.1	2.71
10560	7945.9	497869.9	8106011.7	32.6	2.56
10560	7969.6	497877.4	8105205.1	27.8	6.31
10560	8045.8	497859.6	8102640.5	31.2	3.47
10560	8206.6	497871.2	8097524.2	34.4	2.38
10570	8599.0	498026.7	8106047.7	31.3	2.53
10580	9181.4	498165.7	8106025.7	40.2	2.39
10580	9216.6	498186.9	8104864.5	27.2	2.76
10590	810.6	498323.8	8099809.6	34.3	2.66
10600	1500.0	498470.2	8107125.9	29.4	4.51
10600	1509.8	498465.9	8106776.3	27.0	6.65

10600	1514.0	498468.8	8106622.3	28.4	4.04
10600	1565.9	498483.6	8104684.0	29.9	6.34
10602	5279.0	498469.2	8140154.4	34.0	3.47
10610	2194.1	498628.7	8106795.5	30.4	3.91
10610	2198.0	498628.6	8106934.3	31.8	5.09
10612	5000.3	498626.9	8133963.6	38.0	3.03
10620	2978.8	498769.0	8099326.8	30.4	3.83
10630	3265.9	498927.4	8100409.0	36.3	2.23
10630	3296.0	498916.0	8101557.7	37.7	5.01
10640	3732.5	499065.8	8114679.4	35.1	4.32
10640	3982.5	499086.1	8105788.4	35.7	2.09
10650	4549.9	499226.4	8102994.1	33.8	2.13
10650	4608.8	499219.2	8105428.1	38.9	3.50
10650	4692.4	499231.6	8109021.9	34.2	2.33
10660	5207.5	499370.5	8105198.1	34.9	5.93
10660	5299.4	499359.9	8102403.7	28.6	2.01
10660	5454.6	499365.7	8097499.5	34.2	4.27
10662	6602.3	499381.4	8132256.6	27.7	5.31
10672	6133.2	499529.3	8135061.7	34.8	2.53
10672	6175.2	499535.4	8136723.4	35.8	3.13
10680	2307.0	499667.1	8112590.3	32.4	2.24
10680	2445.9	499676.8	8107600.3	40.3	2.36
10680	2580.5	499675.2	8103131.2	26.4	7.81
10682	5431.6	499674.6	8135538.5	36.0	2.82
10690	961.6	499826.4	8113425.7	25.9	4.54
10700	489.0	499975.4	8113439.0	25.0	2.15
10700	672.5	499991.8	8107117.3	29.3	4.17
10710	949.1	500126.6	8110031.9	30.9	2.31
10710	988.4	500128.0	8111658.9	29.7	2.23
10710	1017.1	500128.7	8112838.3	32.4	2.36
10710	1033.3	500121.6	8113485.6	33.7	2.60
10720	1455.7	500284.7	8102824.3	34.3	4.66
10722	7101.5	500280.7	8134936.9	44.8	2.56
10730	2011.7	500422.9	8106939.9	38.7	3.57
10732	6625.8	500427.8	8131184.1	34.5	2.93
10732	6727.9	500428.3	8134944.1	36.4	2.57
10740	2497.5	500578.1	8106941.7	36.6	2.35
10740	2650.5	500581.9	8100687.1	26.7	2.38
10742	6219.5	500583.8	8129870.8	33.5	2.68
10750	2877.7	500720.6	8097306.2	40.8	3.02
10750	2889.0	500724.5	8097755.9	38.9	3.23
10750	3250.3	500735.3	8111630.2	32.4	2.76
10750	3275.2	500723.2	8112579.2	30.9	2.37
10752	5420.4	500722.4	8126716.2	34.5	4.69
10752	5632.1	500727.1	8135020.8	26.7	2.29
10760	3473.9	500883.8	8112446.5	33.8	3.05

10760	3494.7	500872.6	8111560.1	36.0	5.11
10760	3502.0	500878.7	8111240.8	33.5	6.76
10760	3547.7	500876.6	8109295.1	37.6	6.15
10760	3599.0	500871.0	8107088.4	35.3	4.65
10770	4065.0	501027.1	8099742.1	30.8	3.09
10770	4377.0	501032.8	8111103.9	33.3	5.28
10770	4414.4	501027.6	8112464.6	33.1	2.30
10772	4604.8	501024.4	8134335.7	30.1	2.39
10772	4738.3	501023.0	8139260.3	26.3	3.19
10780	4676.8	501180.3	8109453.1	31.5	4.96
10780	4816.5	501179.6	8103587.3	35.4	28.84
10780	4910.6	501172.8	8099741.1	31.3	3.32
10780	4988.8	501170.3	8096433.7	36.2	9.25
10782	3929.7	501175.5	8138124.0	34.4	5.52
10790	5509.5	501334.0	8112276.7	38.1	2.26
10800	5723.9	501470.5	8112306.1	32.2	2.36
10800	5762.9	501479.4	8110677.7	35.1	2.20
10800	5790.9	501474.3	8109531.0	33.5	7.39
10810	6364.3	501633.9	8102810.0	30.3	4.31
10810	6562.2	501615.5	8109584.8	39.3	5.57
10810	6639.2	501629.4	8112343.5	30.1	2.76
10812	2531.9	501620.3	8130674.2	37.0	3.64
10812	2617.6	501620.2	8133978.6	32.4	4.80
10812	2743.0	501633.4	8138998.3	37.5	4.83
10820	6837.0	501777.4	8112292.9	30.4	2.94
10820	7066.7	501769.7	8102830.0	39.0	6.94
10820	7086.7	501782.2	8102079.5	27.8	10.94
10822	2015.0	501783.5	8136143.6	35.3	2.09
10830	7470.0	501938.5	8101333.2	28.1	3.25
10830	7484.9	501930.8	8101873.3	30.2	2.35
10830	7753.0	501926.9	8111096.8	29.9	3.70
10832	8145.2	501928.0	8126769.7	36.7	3.26
10832	8318.5	501936.9	8133611.2	33.5	6.77
10840	8639.1	502074.1	8139656.6	27.0	2.20
10840	8727.8	502085.3	8135986.7	34.7	4.59
10840	8787.4	502071.5	8133334.8	32.0	3.10
10840	8831.0	502082.7	8131406.4	41.5	3.62
10840	8865.7	502080.2	8129930.9	35.9	3.09
10840	9259.8	502066.6	8112189.6	30.2	3.18
10840	9285.1	502080.0	8111040.2	31.5	2.33
10850	730.9	502231.2	8098988.9	30.9	2.72
10850	769.6	502228.5	8100502.2	28.9	5.74
10850	875.4	502233.8	8104494.9	28.9	11.97
10850	1018.9	502231.1	8109572.0	32.6	2.17
10850	1047.7	502229.0	8110622.7	29.1	12.83
10850	1063.8	502222.0	8111203.0	31.9	3.14

10850	1151.5	502233.7	8114534.8	36.8	3.43
10850	1295.5	502216.3	8120197.3	31.4	2.38
10850	1306.6	502216.9	8120639.9	30.6	10.54
10850	1630.3	502227.4	8134250.1	27.9	6.39
10850	1633.0	502219.9	8134360.1	29.1	4.40
10860	8366.4	502371.9	8128411.8	33.8	3.33
10860	8422.3	502372.0	8126161.2	30.5	2.23
10860	8571.2	502373.6	8119798.4	30.6	2.24
10860	8637.9	502380.9	8116912.1	30.9	3.24
10860	8695.6	502364.6	8114488.4	28.9	3.58
10860	8734.0	502381.7	8112859.0	27.7	2.18
10860	8778.9	502366.1	8111024.2	28.5	2.68
10860	8787.1	502357.0	8110690.4	32.1	2.03
10870	8882.5	502515.3	8128371.6	35.6	3.56
10870	9101.7	502519.9	8119910.4	31.6	11.20
10870	9225.2	502514.9	8115300.9	30.7	2.79
10870	9541.5	502523.4	8103318.7	37.1	3.19
10870	9619.8	502512.8	8100310.9	34.8	4.94
10880	784.2	502683.5	8100311.2	32.6	4.62
10880	1047.3	502669.0	8110641.2	26.6	5.43
10880	1088.6	502675.4	8112196.1	34.8	4.92
10880	1146.5	502673.2	8114494.5	31.5	2.11
10880	1275.5	502686.0	8119772.7	30.1	2.85
10880	1281.4	502683.1	8120013.6	32.7	2.92
10880	1283.3	502681.1	8120093.4	34.2	5.59
10880	1505.2	502681.7	8129909.6	30.9	2.14
10880	1695.3	502678.1	8137805.3	35.4	2.61
10880	1742.6	502683.2	8139822.2	34.2	2.43
10890	1951.6	502831.5	8137712.1	32.8	2.05
10890	2018.4	502821.6	8135059.8	34.4	2.48
10890	2373.5	502826.3	8120171.3	33.1	2.91
10890	2513.7	502822.2	8114385.0	34.7	3.78
10890	2605.1	502823.9	8110609.7	33.1	8.13
10890	2763.2	502823.2	8104544.2	36.8	5.52
10890	2866.6	502827.7	8100411.7	32.2	19.16
10890	2911.2	502813.3	8098505.0	33.1	2.16
10900	3103.8	502984.1	8098172.0	36.3	3.50
10900	3107.2	502983.4	8098312.7	35.4	6.91
10900	3257.5	502982.6	8104493.4	33.8	4.54
10900	3395.8	502972.1	8110043.2	29.4	3.20
10900	3485.4	502979.8	8113424.3	36.3	4.81
10900	3776.6	502995.4	8125463.1	37.8	2.94
10900	4034.5	502987.8	8136476.6	32.7	2.39
10900	4070.0	502989.9	8138110.0	31.4	2.36
10910	8560.0	503124.8	8138804.6	31.8	2.40
10910	8961.7	503130.7	8123203.1	31.0	5.37

10910	9207.2	503114.0	8113370.3	26.6	3.41
10910	9304.4	503129.4	8109902.8	28.7	3.42
10910	9476.7	503121.0	8103259.6	34.0	5.17
10910	9597.1	503124.1	8098429.9	36.4	2.97
10910	9604.8	503136.8	8098118.1	30.9	2.37
10920	712.2	503288.7	8098534.3	30.3	5.38
10920	869.6	503283.1	8105284.8	31.3	2.97
10920	954.9	503274.6	8108964.3	32.1	2.77
10920	1081.7	503278.5	8114229.1	34.6	3.15
10920	1092.2	503281.3	8114690.3	31.2	2.16
10920	1282.5	503285.6	8123182.0	30.7	2.07
10920	1584.1	503294.0	8136683.1	33.4	4.16
10930	1886.1	503425.8	8136575.5	31.8	2.38
10930	1920.4	503424.1	8135096.2	36.9	2.51
10930	2072.3	503427.7	8128655.1	33.3	2.19
10930	2419.0	503428.5	8114052.1	31.1	3.56
10930	2739.5	503443.2	8101790.2	36.0	4.10
10930	2777.5	503416.7	8100221.0	35.3	3.92
10930	2873.3	503422.4	8096249.3	34.1	4.92
10940	3063.3	503584.3	8099567.9	29.8	10.83
10940	3077.7	503578.8	8100157.8	27.7	2.77
10940	3081.6	503577.3	8100316.9	32.8	7.87
10940	3211.6	503586.5	8105456.2	31.3	4.78
10940	3334.2	503574.0	8110713.4	29.5	6.88
10940	3421.3	503576.4	8114088.9	33.1	2.74
10940	3454.2	503586.5	8115464.2	28.1	2.09
10940	3598.0	503583.0	8122051.7	33.1	2.32
10940	3682.4	503600.1	8125907.3	33.2	2.23
10940	3984.0	503573.6	8139138.9	31.9	2.03
10940	4018.5	503579.6	8140649.7	36.0	2.35
10950	767.5	503737.1	8098100.5	35.7	7.22
10950	807.7	503736.5	8099857.7	32.4	2.10
10950	1063.3	503727.5	8110727.3	32.6	3.17
10950	1138.2	503725.7	8114105.5	29.4	3.22
10950	1328.2	503735.1	8122800.9	32.2	2.93
10950	1395.3	503740.7	8125888.1	31.6	2.47
10950	1422.7	503737.6	8127176.9	29.3	5.35
10960	1886.3	503876.9	8138794.6	32.6	8.01
10960	2024.2	503880.8	8133285.9	33.2	2.66
10960	2164.8	503876.5	8127168.5	31.7	2.74
10960	2413.4	503873.2	8115939.0	30.9	3.10
10960	2426.2	503863.3	8115381.5	34.4	2.44
10960	2453.8	503869.5	8114159.4	33.8	3.03
10960	2685.3	503868.6	8104962.7	25.8	3.63
10960	2740.4	503883.0	8102831.8	29.1	15.11
10960	2861.6	503869.0	8098027.4	33.4	2.14

10960	2907.7	503885.5	8096206.9	36.6	8.95
10970	3046.0	504026.5	8098193.0	31.1	4.16
10970	3340.4	504030.9	8110716.5	34.6	3.62
10970	3391.1	504052.0	8112932.5	36.8	4.58
10970	3411.7	504014.2	8113834.4	36.4	3.32
10970	3447.1	504027.7	8115362.7	29.8	4.15
10970	3683.3	504037.2	8125900.7	36.1	10.20
10980	4166.2	504186.1	8137506.5	35.6	2.37
10980	4223.2	504173.3	8135077.9	27.5	3.11
10980	4285.9	504176.9	8132248.8	40.5	2.54
10980	4482.0	504170.5	8123419.8	32.7	4.10
10980	4692.1	504185.6	8113633.3	33.1	3.86
10980	4711.3	504170.5	8112804.3	33.9	6.30
10980	4757.8	504162.8	8110758.4	35.2	3.66
10980	5073.1	504166.3	8098217.5	34.0	3.00
10990	5204.3	504333.4	8096349.6	32.9	7.90
10990	5246.0	504330.1	8098124.5	33.1	2.65
10990	5285.5	504329.3	8099942.3	33.7	3.43
10990	5570.8	504328.0	8112078.2	33.3	3.97
10990	5582.4	504330.1	8112613.3	35.8	2.02
10990	5604.0	504332.1	8113614.7	35.9	4.75
10990	5626.6	504331.9	8114605.9	32.3	5.16
10990	5821.5	504326.7	8123211.2	34.5	5.80
10990	6044.5	504329.5	8133467.9	34.1	2.25
11000	6375.6	504480.0	8137439.2	32.6	9.39
11000	6611.2	504470.2	8127153.2	33.2	2.32
11000	6915.4	504491.5	8113613.4	30.5	6.46
11000	6942.3	504478.1	8112487.6	32.5	2.55
11000	6984.2	504480.8	8110744.1	28.8	5.49
11000	7001.7	504474.9	8110037.9	25.7	2.67
11010	1209.3	504635.4	8113631.7	30.7	5.86
11020	2111.2	504789.7	8116223.0	33.8	3.51
11020	2264.5	504771.0	8109560.2	30.6	2.54
11020	2416.9	504769.0	8103713.8	30.9	3.22
11020	2610.0	504767.7	8095972.1	34.5	3.56
11030	2711.8	504928.6	8097733.7	30.8	16.56
11030	2766.0	504935.1	8099838.1	39.3	3.43
11030	2782.8	504928.7	8100546.3	37.7	5.67
11030	3106.5	504940.9	8113501.3	35.5	2.94
11030	3529.4	504930.4	8131393.7	35.3	3.42
11030	3631.7	504932.1	8135768.2	37.1	2.45
11040	3918.7	505068.9	8137343.0	34.0	2.93
11040	3956.5	505068.1	8135819.2	35.4	2.43
11040	3959.8	505066.6	8135685.7	33.1	7.66
11040	4056.9	505085.4	8131692.7	31.3	2.14
11040	4236.6	505073.6	8123960.2	35.2	7.44

11160	3279.9	506866.3	8134731.4	29.3	5.09
11160	3283.8	506870.8	8134558.6	32.6	3.61
11160	3288.5	506878.5	8134352.2	30.5	3.88
11160	3486.3	506861.8	8125702.6	35.6	2.68
11160	3560.9	506875.5	8122396.3	35.0	2.88
11160	3607.6	506873.2	8120315.0	30.5	2.56
11160	3645.4	506876.1	8118673.9	31.1	3.38
11160	3666.5	506874.4	8117801.0	32.7	3.51
11160	3688.7	506872.6	8116872.2	36.3	2.49
11160	3711.0	506870.1	8115921.2	32.9	3.94
11160	3736.3	506871.4	8114779.1	35.4	2.62
11160	3744.5	506869.6	8114399.7	31.2	3.73
11160	3889.6	506879.2	8108040.8	29.9	3.18
11170	7915.4	507037.3	8140386.1	38.3	3.03
11170	7950.6	507003.8	8138725.9	39.1	4.59
11170	8044.7	507023.4	8134335.9	31.7	10.12
11170	8141.5	507038.4	8129881.5	34.7	5.54
11170	8180.8	507006.7	8128115.5	42.4	4.78
11170	8309.0	507020.4	8122366.2	37.4	2.40
11170	8418.3	507010.4	8117436.6	39.5	2.74
11170	8480.5	507027.7	8114532.4	38.1	4.01
11170	8622.3	507022.9	8108007.9	35.9	2.94
11180	7128.1	507179.2	8114498.1	30.4	2.69
11180	7151.6	507173.0	8115426.3	30.5	3.15
11180	7185.2	507185.6	8116755.3	32.8	3.62
11180	7210.1	507176.0	8117752.8	34.9	3.99
11180	7255.6	507169.7	8119622.1	29.7	4.84
11180	7401.7	507175.7	8125657.2	32.6	2.22
11180	7491.7	507162.0	8129391.5	33.1	3.03
11180	7502.2	507168.8	8129826.0	32.0	4.45
11180	7612.7	507192.3	8134256.2	30.0	9.50
11190	6057.7	507321.8	8134197.0	34.8	7.49
11190	6072.5	507329.6	8133517.4	31.1	6.56
11190	6128.8	507322.8	8131008.9	34.6	9.35
11190	6248.2	507329.5	8125628.9	34.7	5.13
11190	6437.7	507316.9	8116934.9	33.2	3.74
11190	6450.1	507326.3	8116364.7	31.3	3.36
11190	6457.4	507330.0	8116035.2	29.3	6.68
11190	6565.5	507322.3	8111107.2	33.1	5.47
11190	6580.2	507323.9	8110446.3	33.3	3.34
11200	5023.3	507488.6	8109451.4	32.4	4.78
11200	5046.9	507489.3	8110306.6	31.5	2.38
11200	5066.9	507474.4	8111027.4	30.7	3.43
11200	5094.6	507496.0	8112084.3	29.9	2.89
11210	3889.3	507624.7	8139192.6	34.8	2.13
11210	4005.2	507624.2	8133874.8	29.3	3.20

11210	4018.2	507625.5	8133275.7	30.8	2.48
11210	4069.2	507626.8	8130938.0	28.7	6.44
11210	4097.0	507621.0	8129712.1	29.1	3.39
11210	4104.0	507615.4	8129406.0	35.0	4.54
11210	4191.2	507618.3	8125580.3	35.6	3.32
11210	4337.1	507620.4	8118841.4	37.6	3.35
11210	4396.7	507623.4	8116084.6	35.3	2.29
11210	4401.4	507626.4	8115874.9	32.7	4.72
11210	4407.8	507631.3	8115584.2	32.6	2.49
11210	4516.1	507627.2	8110510.0	39.5	6.13
11210	4523.4	507628.4	8110161.7	36.3	5.93
11210	4685.9	507620.9	8102931.0	27.4	3.65
11220	2846.5	507766.5	8104120.2	32.0	4.11
11220	2907.7	507781.9	8106313.6	32.5	6.05
11220	2915.6	507781.6	8106629.6	37.6	6.28
11220	3001.3	507758.5	8110022.9	31.1	11.28
11220	3015.0	507769.2	8110551.6	34.3	9.27
11220	3031.7	507772.2	8111222.7	34.2	2.69
11220	3142.6	507775.1	8115795.0	30.7	2.23
11220	3512.7	507769.8	8131080.3	35.8	2.71
11220	3549.4	507785.2	8132480.0	32.0	4.77
11230	1930.5	507925.0	8139362.2	31.9	4.86
11230	1980.1	507920.7	8137024.8	29.6	2.17
11230	2055.5	507935.6	8133611.3	28.2	3.28
11230	2084.2	507926.2	8132309.4	35.4	2.17
11230	2110.6	507905.1	8131079.8	36.5	3.58
11230	2131.3	507924.6	8130162.1	32.2	4.91
11230	2135.6	507928.9	8129975.5	28.2	2.41
11230	2157.5	507918.1	8129105.8	27.5	2.22
11230	2385.1	507919.7	8118705.9	32.2	2.92
11230	2565.8	507923.9	8110816.3	29.6	4.29
11230	2572.3	507914.0	8110523.3	31.9	4.68
11230	2711.6	507919.3	8104106.9	48.2	3.48
11240	876.6	508059.9	8103662.5	30.6	3.77
11240	887.2	508082.5	8104065.7	36.2	2.63
11240	1065.1	508074.0	8110621.8	34.6	11.15
11240	1263.9	508065.4	8118657.4	31.4	2.95
11240	1722.0	508084.0	8137449.3	31.2	3.43
11250	889.0	508229.9	8103318.9	49.2	2.33
11250	1054.7	508210.2	8109141.4	37.2	4.48
11250	1072.4	508212.6	8109781.2	28.4	4.00
11250	1655.4	508223.0	8133999.8	36.3	2.94
11250	1732.3	508243.3	8137298.2	31.9	3.62
11250	1745.2	508233.1	8137848.7	30.1	2.94
11260	1748.9	508358.3	8109240.1	30.2	4.23
11260	1971.0	508387.1	8118489.0	31.2	5.97

11260	2081.6	508398.5	8123276.2	29.7	2.06
11260	2167.2	508374.3	8127049.7	30.7	2.23
11260	2221.5	508378.7	8129395.2	31.5	3.35
11260	2232.9	508385.2	8129882.5	29.8	2.13
11260	2404.1	508383.0	8137328.6	29.3	4.16
11270	6829.1	508539.1	8104390.5	34.8	2.86
11270	6947.5	508523.3	8108728.6	27.6	3.55
11270	6961.4	508520.8	8109249.8	28.8	2.28
11270	7000.4	508524.8	8110670.1	30.7	2.91
11270	7041.3	508539.0	8112270.4	32.5	3.43
11270	7154.9	508536.0	8116784.2	33.0	2.49
11272	2072.3	508521.2	8137384.5	34.2	6.58
11280	6311.6	508674.5	8120142.8	37.8	4.55
11280	6388.2	508671.3	8116766.7	31.4	6.64
11280	6520.0	508663.9	8111013.5	34.5	3.64
11280	6523.5	508666.3	8110862.8	30.9	2.06
11280	6635.5	508662.3	8105881.0	35.6	12.23
11280	6657.9	508667.1	8104864.3	35.8	2.77
11290	5692.5	508832.9	8105917.7	37.9	9.15
11290	5697.9	508841.6	8106122.7	41.7	8.18
11290	5792.6	508831.8	8110059.8	32.1	4.62
11290	5811.3	508845.3	8110793.7	32.4	4.62
11290	6008.3	508830.6	8118568.1	29.2	2.05
11290	6039.0	508826.6	8119735.2	36.3	3.98
11290	6051.1	508832.7	8120217.0	31.3	3.41
11290	6115.9	508841.6	8122746.1	33.1	2.00
11300	5066.6	508981.5	8123287.7	32.9	2.17
11300	5080.5	508984.1	8122692.6	35.2	2.90
11300	5139.0	508975.6	8120223.1	34.0	3.59
11300	5287.6	508972.8	8113871.5	31.9	2.26
11300	5355.9	508983.8	8110916.5	31.2	2.68
11300	5467.4	508958.9	8106182.8	28.8	14.43
11300	5473.8	508968.2	8105899.7	35.0	12.72
11302	3220.2	508978.8	8138255.1	31.9	2.44
11310	4547.3	509135.0	8106901.5	35.5	2.40
11310	4882.3	509132.7	8120285.7	31.5	2.57
11312	3411.0	509129.7	8139252.5	30.0	3.72
11312	3454.8	509124.3	8137421.1	31.1	3.80
11312	3479.7	509131.3	8136302.0	35.2	3.45
11320	3972.5	509276.9	8120190.2	35.4	2.41
11320	4182.2	509269.4	8111058.4	30.4	3.68
11322	3863.5	509273.9	8136760.3	33.1	3.32
11322	3881.4	509276.8	8137499.6	32.3	3.32
11322	3925.0	509281.5	8139332.7	32.6	3.26
11330	3290.1	509423.4	8105841.7	30.9	4.00
11330	3292.9	509422.3	8105944.7	30.4	5.33

11330	3426.5	509417.6	8111087.4	32.4	6.45
11330	3465.9	509419.9	8112571.5	31.8	4.21
11330	3494.6	509420.0	8113689.2	33.9	2.03
11330	3674.2	509426.8	8120699.7	29.4	2.27
11330	3718.2	509429.3	8122465.8	33.0	3.39
11332	4083.6	509428.2	8139357.0	34.0	2.49
11332	4235.9	509420.8	8132799.5	30.2	3.29
11332	4246.0	509425.7	8132360.7	33.2	2.73
11340	2643.7	509579.5	8123753.0	37.9	6.46
11340	2674.5	509571.6	8122447.7	35.6	5.27
11340	2714.4	509577.1	8120701.8	33.5	2.25
11340	2985.8	509570.8	8109104.9	33.6	11.96
11340	3004.7	509576.0	8108283.3	36.2	10.42
11340	3077.5	509569.7	8105266.0	30.7	3.02
11340	3093.5	509572.5	8104613.2	30.9	5.30
11342	8160.5	509560.9	8132803.5	30.6	3.70
11342	8188.5	509573.8	8133971.3	36.6	6.22
11342	8255.2	509581.6	8136821.2	37.3	2.08
11342	8269.5	509571.0	8137435.7	32.0	4.07
11342	8319.2	509582.3	8139489.8	31.1	5.41
11350	2076.0	509724.0	8104913.7	34.5	5.75
11350	2113.8	509725.9	8106318.6	32.1	5.54
11350	2160.1	509726.2	8108177.4	34.9	9.21
11350	2191.8	509729.8	8109454.2	29.5	8.31
11350	2234.1	509716.1	8111055.6	33.0	3.49
11350	2274.8	509724.8	8112612.4	32.2	3.35
11350	2431.3	509723.6	8118921.4	30.4	2.78
11350	2462.0	509717.2	8120135.4	30.8	2.93
11350	2522.8	509729.5	8122524.1	34.5	2.19
11350	2550.3	509719.9	8123668.8	35.3	5.15
11352	7794.7	509729.2	8139528.8	31.0	6.59
11352	7843.8	509744.0	8137497.7	31.8	3.17
11352	7908.5	509723.6	8134749.5	37.4	3.58
11352	7958.9	509722.3	8132631.8	31.4	2.91
11352	7968.8	509728.0	8132188.8	38.0	4.57
11352	8011.5	509724.5	8130331.6	31.2	4.77
11360	7364.1	509877.1	8123597.0	38.0	2.10
11360	7455.9	509872.6	8120033.9	37.3	5.74
11360	7486.8	509894.2	8118837.1	34.0	3.12
11360	7658.7	509869.8	8112698.9	33.9	3.36
11360	7677.7	509873.6	8112049.7	35.7	2.50
11360	7783.7	509882.9	8108459.9	33.1	3.16
11360	7791.9	509883.6	8108192.4	35.7	2.34
11360	7842.2	509879.8	8106528.2	37.3	7.48
11360	7855.9	509872.5	8106061.7	38.7	5.80
11362	7477.0	509873.2	8132668.7	29.6	12.63

11362	7521.5	509873.4	8134454.4	36.1	5.08
11362	7568.5	509869.7	8136372.9	32.2	5.16
11362	7597.9	509870.0	8137603.7	33.1	2.54
11362	7630.0	509869.5	8138963.0	33.5	3.18
11362	7657.5	509880.2	8140109.9	27.9	2.37
11370	526.5	510032.7	8120930.9	30.0	2.64
11370	547.6	510020.9	8120026.0	31.7	3.75
11370	577.1	510022.1	8118764.5	36.8	4.16
11371	1754.9	510020.3	8110944.9	28.6	10.35
11372	7105.2	510024.7	8139632.1	30.6	3.89
11372	7122.4	510015.5	8138932.3	31.5	3.99
11372	7153.1	510026.1	8137674.7	30.7	4.05
11372	7210.9	510031.1	8135201.9	31.9	4.86
11372	7226.2	510025.7	8134522.7	36.6	6.22
11380	2646.8	510175.2	8111861.1	35.5	3.18
11380	2681.4	510176.9	8113323.9	34.6	3.88
11380	2790.3	510167.9	8117992.5	33.4	2.59
11380	2807.4	510168.0	8118734.1	30.6	4.96
11380	2839.0	510171.8	8120097.6	26.8	2.71
11380	2917.1	510167.7	8123483.1	33.0	2.89
11382	6857.9	510170.7	8135145.5	33.5	12.67
11390	2282.4	510330.0	8120218.3	35.8	3.40
11390	2317.6	510322.0	8118653.1	35.3	8.66
11392	6626.5	510332.6	8138607.6	29.8	2.07
11392	6638.9	510319.7	8138095.7	36.1	3.10
11392	6648.2	510324.2	8137704.6	32.1	3.74
11392	6656.0	510324.3	8137378.7	30.2	2.29
11392	6687.5	510318.7	8136089.8	30.6	3.91
11392	6710.7	510316.5	8135104.4	28.3	4.38
11400	1988.6	510476.5	8118547.2	29.0	5.99
11400	2037.4	510476.6	8120578.8	30.5	2.23
11400	2067.1	510486.5	8121850.6	29.8	2.12
11400	2108.5	510474.1	8123663.5	33.2	2.40
11402	6361.7	510464.7	8135396.0	31.3	3.54
11402	6400.1	510487.8	8137095.6	31.9	3.06
11410	1380.3	510634.7	8120625.0	38.2	3.19
11410	1428.1	510634.6	8118474.4	38.6	3.31
11412	6176.7	510614.3	8136899.9	33.3	7.16
11412	6187.7	510627.9	8136435.4	31.1	2.78
11412	6205.5	510627.6	8135684.0	32.5	5.64
11420	884.1	510767.8	8110024.2	30.2	4.47
11420	959.2	510782.6	8112977.6	32.4	4.62
11420	1100.5	510775.9	8118426.7	31.8	3.45
11420	1157.4	510774.2	8120668.0	36.2	3.71
11420	1235.8	510772.0	8123832.1	34.2	3.07
11422	5883.1	510766.8	8135787.6	35.8	6.27

11422	5903.8	510784.4	8136687.3	34.4	6.61
11430	9044.6	510925.4	8123506.0	31.1	3.77
11430	9080.6	510924.6	8121941.0	32.4	2.25
11430	9109.1	510922.1	8120706.8	34.6	2.35
11430	9162.3	510913.1	8118414.0	29.7	2.47
11430	9296.6	510927.6	8112811.5	29.6	2.62
11440	8827.9	511070.9	8118416.1	30.9	3.76
11440	8881.1	511079.2	8120559.8	34.1	2.43
11442	5437.5	511075.9	8138068.8	30.9	2.33
11442	5491.5	511076.1	8140383.4	31.6	2.03
11442	5500.2	511083.7	8140760.4	30.0	2.34
11450	8270.8	511235.3	8121995.5	34.2	2.08
11450	8296.9	511229.0	8120904.8	35.4	4.68
11450	8311.3	511224.3	8120291.0	31.5	2.15
11450	8332.6	511219.7	8119389.8	30.5	2.51
11450	8356.1	511218.8	8118404.6	29.6	2.44
11450	8497.5	511217.1	8112751.6	32.0	2.96
11450	8515.2	511211.7	8112024.6	34.5	3.09
11460	8039.4	511370.7	8119422.3	29.8	3.96
11460	8075.9	511380.5	8120851.4	31.0	4.19
11460	8105.0	511365.4	8122012.0	32.7	3.69
11460	8143.1	511371.1	8123535.4	33.1	6.33
11470	7416.3	511531.4	8123586.4	32.3	3.83
11470	7430.9	511530.9	8122978.3	33.0	2.58
11470	7514.8	511524.7	8119356.9	32.2	8.16
11470	7540.3	511521.2	8118256.2	31.9	2.87
11470	7689.4	511509.6	8112113.1	30.6	4.72
11472	4587.3	511516.5	8140522.9	32.4	5.97
11480	7191.4	511672.5	8118161.8	30.3	2.82
11480	7221.4	511664.9	8119345.8	34.0	5.83
11480	7259.3	511664.0	8120834.5	25.5	4.99
11480	7291.4	511670.4	8122054.9	29.0	6.24
11480	7335.8	511669.6	8123802.8	31.5	3.47
11482	4432.6	511676.9	8139125.2	38.4	3.74
11490	6622.1	511828.5	8120385.2	33.9	2.67
11490	6648.9	511823.9	8119264.4	35.7	3.59
11492	4024.5	511830.4	8139927.7	33.6	2.04
11500	6232.8	511965.5	8114602.6	37.4	5.76
11500	6280.8	511966.0	8116446.5	31.0	2.73
11500	6332.9	511971.2	8118536.1	30.7	3.46
11500	6377.2	511974.5	8120318.5	34.9	2.27
11500	6387.0	511976.1	8120718.0	32.9	4.17
11500	6460.0	511968.6	8123682.1	31.1	2.87
11510	5732.5	512132.2	8123035.8	27.8	4.46
11510	5737.5	512136.7	8122831.7	33.4	2.30
11510	5789.3	512111.5	8120683.7	36.4	7.69

11510	5821.9	512121.9	8119273.8	32.5	3.66
11510	5839.8	512122.3	8118506.1	34.2	4.00
11510	5892.0	512128.0	8116277.6	33.6	2.31
11510	5942.9	512129.7	8114254.8	32.2	3.71
11512	3515.9	512130.3	8139497.9	31.2	2.77
11512	3542.9	512117.0	8138397.2	33.1	2.72
11520	6747.1	512268.0	8110930.5	31.3	3.70
11520	6959.9	512260.0	8118491.2	39.4	3.18
11520	6984.5	512273.8	8119334.4	35.3	4.11
11520	7024.9	512279.2	8120801.1	32.7	3.04
11530	6321.5	512429.9	8123240.7	33.1	8.34
11530	6360.9	512410.0	8121791.1	33.4	2.42
11530	6385.8	512418.7	8120873.4	27.1	3.14
11530	6425.3	512413.7	8119489.5	38.0	4.51
11530	6456.2	512395.9	8118424.4	32.7	3.38
11530	6643.9	512414.8	8110868.2	31.0	5.72
11532	3017.4	512423.3	8138381.5	29.4	2.18
11540	4893.6	512563.4	8123276.4	34.3	7.58
11540	4928.1	512564.6	8121844.2	35.3	4.38
11540	4960.7	512572.5	8120468.2	39.8	3.28
11540	5012.7	512576.3	8118229.8	34.0	3.97
11540	5039.6	512576.6	8117059.1	38.6	3.54
11540	5150.8	512579.8	8112505.5	34.6	4.33
11540	5190.1	512565.3	8110898.5	28.7	4.03
11542	2682.9	512584.4	8134005.3	30.6	2.22
11551	2847.3	512731.2	8110814.1	32.3	11.42
11551	3031.8	512720.5	8118080.6	31.6	4.01
11551	3124.5	512734.0	8121962.6	33.9	6.59
11551	3157.9	512735.2	8123338.1	34.1	5.04
11551	3176.6	512726.7	8124065.9	30.0	6.55
11552	2531.2	512722.9	8135948.9	31.2	4.78
11560	5781.7	512865.2	8110806.7	31.8	3.38
11560	6100.0	512874.6	8121877.9	39.6	5.36
11560	6115.1	512890.9	8122493.9	37.3	3.58
11560	6136.5	512869.1	8123375.9	33.7	4.40
11560	6154.5	512875.4	8124122.8	34.8	5.58
11562	1866.7	512880.2	8138042.5	34.5	2.94
11563	4479.5	512867.4	8133943.4	32.7	6.00
11570	5382.2	513019.3	8123394.9	31.6	7.22
11570	5690.2	513022.9	8110396.0	37.1	8.85
11580	4929.3	513173.1	8110028.4	29.6	3.78
11580	4932.7	513168.2	8110141.9	29.3	16.10
11580	4953.4	513163.5	8110855.3	28.8	5.25
11580	4991.1	513172.1	8112290.6	34.9	2.90
11580	5190.8	513166.8	8119578.2	33.0	2.16
11580	5198.5	513165.5	8119871.8	30.2	3.74

11580	5251.5	513167.1	8121903.5	36.1	2.03
11580	5271.0	513174.8	8122686.5	35.5	2.63
11580	5289.4	513172.0	8123465.0	38.2	6.22
11582	4501.9	513172.6	8134143.7	34.9	3.86
11590	3387.8	513328.5	8124059.7	29.5	5.15
11590	3404.0	513313.0	8123418.3	32.0	3.90
11590	3422.4	513328.6	8122670.2	35.2	6.54
11590	3491.3	513328.2	8119895.0	30.9	5.19
11590	3498.9	513319.7	8119573.4	29.1	4.51
11590	3519.1	513317.1	8118718.3	34.2	3.06
11590	3720.8	513307.6	8110774.4	32.4	5.17
11592	4282.6	513320.9	8139230.3	33.5	4.54
11600	2970.9	513479.2	8110594.0	29.8	6.45
11600	2983.4	513474.2	8111062.6	35.4	2.92
11600	3147.7	513469.0	8117340.8	28.1	2.43
11600	3174.0	513472.4	8118341.0	36.3	6.11
11600	3207.2	513479.6	8119628.1	30.9	5.45
11600	3224.6	513478.8	8120296.9	30.2	3.15
11600	3274.6	513481.5	8122271.4	35.8	2.64
11600	3284.9	513482.3	8122708.6	31.1	2.92
11600	3300.2	513475.1	8123361.2	33.3	2.77
11600	3311.0	513483.7	8123817.8	29.0	5.21
11602	4114.3	513475.4	8138826.3	33.0	2.72
11602	4127.4	513481.2	8139370.8	29.1	3.14
11610	2446.1	513622.5	8123827.7	33.2	8.02
11610	2459.8	513626.3	8123309.0	29.6	2.45
11610	2496.2	513619.5	8121979.6	30.6	2.38
11610	2515.6	513620.4	8121239.3	33.4	4.26
11610	2525.1	513620.2	8120875.0	32.5	2.16
11610	2541.7	513629.7	8120210.0	30.6	5.71
11610	2548.3	513625.7	8119945.1	30.7	5.72
11610	2562.1	513616.4	8119397.1	32.4	3.16
11610	2595.1	513622.0	8118069.0	34.7	3.35
11612	3692.0	513628.4	8141158.0	30.2	5.25
11612	3732.1	513617.6	8139577.9	29.5	2.13
11620	2266.1	513779.1	8119941.0	31.3	2.92
11620	2275.2	513772.7	8120290.1	33.5	3.07
11620	2300.6	513767.6	8121251.7	32.4	4.29
11620	2314.7	513768.3	8121806.4	36.4	3.44
11620	2330.2	513770.3	8122430.3	33.9	2.27
11620	2343.6	513780.4	8122962.8	33.1	5.41
11620	2367.2	513772.8	8123906.2	34.6	13.00
11622	3593.2	513782.0	8139672.7	25.1	7.66
11630	4558.4	513929.8	8122320.3	28.9	6.90
11630	4584.3	513897.4	8121245.7	29.0	5.34
11630	4616.4	513922.1	8119904.6	30.3	4.85

11631	1622.6	513930.6	8118109.4	31.0	8.67
11632	3190.7	513928.8	8139701.7	29.3	8.33
100010	1298.6	502638.7	8100290.8	35.1	4.02
100020	670.8	502694.2	8100290.8	30.8	5.37
100030	766.1	502737.4	8100333.8	34.1	6.21
100040	893.8	502795.7	8100414.3	33.1	20.34
100050	985.8	502847.6	8100431.1	35.6	15.11
100060	1126.6	502889.5	8100410.0	33.3	9.52
100070	1237.5	502947.2	8100427.6	35.0	5.29
100090	1482.3	503037.2	8100299.0	36.0	2.14
19010	7547.6	506632.2	8140395.7	32.1	2.51
19010	7557.0	507021.8	8140402.1	29.8	4.43
19010	7639.2	510464.4	8140388.4	31.4	2.43
19020	7862.8	513331.3	8138893.6	29.7	7.76
19030	2374.7	510276.8	8137403.6	31.6	4.07
19030	2391.3	509620.6	8137422.6	35.1	4.13
19030	2419.3	508497.2	8137404.8	33.6	7.28
19030	2475.5	506202.4	8137388.3	31.0	2.34
19030	2505.1	505016.1	8137396.1	36.9	2.98
19030	2518.3	504466.1	8137418.5	40.4	5.64
19040	3040.8	505071.1	8135890.2	36.4	3.61
19040	3083.9	506630.9	8135894.4	35.6	3.97
19040	3203.2	510856.4	8135899.9	35.7	2.27
19040	3234.5	512053.8	8135886.6	38.1	6.29
19040	3253.1	512781.9	8135910.3	36.3	4.29
19050	3522.9	510338.5	8134382.3	34.2	3.01
19050	3537.8	509813.1	8134394.3	31.5	3.61
19050	3609.2	507015.0	8134410.0	30.4	2.72
19050	3728.5	502191.2	8134413.6	39.2	3.20
19060	3976.5	498609.7	8132905.4	37.5	2.04
19060	4086.4	502586.3	8132855.2	34.6	2.03
19070	4466.9	508425.8	8131399.2	34.1	2.82
19070	4540.5	505653.1	8131419.0	34.1	3.17
19070	4558.9	504898.6	8131412.9	32.8	2.66
19080	4905.1	500598.0	8129891.1	32.2	2.51
19080	5079.9	506680.1	8129876.2	35.0	2.90
19080	5090.3	507070.2	8129875.1	29.2	5.23
19100	5720.7	501884.4	8126917.9	41.6	2.09
19110	6111.1	504352.5	8125393.0	34.0	2.12
19110	6146.6	502997.3	8125423.6	37.1	2.71
19120	6680.4	509512.5	8123898.2	37.8	7.09
19120	6721.7	510901.5	8123902.1	34.1	4.12
19120	6803.4	513794.7	8123904.0	31.7	13.89
19130	6886.2	506961.4	8122394.4	35.6	2.66
19140	6339.1	512412.1	8120892.5	33.4	2.42
19140	6505.3	506531.0	8120895.4	33.7	4.62

19152	5983.5	506466.9	8119395.6	33.1	3.83
19152	6125.8	511564.5	8119410.8	36.5	5.18
19152	6146.4	512315.1	8119404.9	32.0	5.74
19162	4867.0	510145.9	8117893.4	32.3	3.55
19162	4984.4	506502.2	8117909.8	35.5	4.68
19162	5047.3	504478.4	8117907.1	37.5	3.71
19172	4302.5	507337.0	8116403.2	35.5	3.14
19190	2590.8	505926.6	8113389.6	37.4	5.88
19200	1636.1	511016.4	8111901.3	28.9	2.63
19210	1306.8	507332.0	8110395.7	36.8	3.47
19210	1437.9	512984.7	8110386.2	36.8	15.45
19230	1642.5	498226.7	8107416.5	37.0	2.73
19240	1072.6	509377.2	8105865.3	26.5	7.76
19240	1084.3	508905.7	8105909.0	38.4	16.65
19240	1089.2	508710.1	8105906.5	37.9	12.52
19240	1392.3	497712.8	8105903.1	43.7	4.17
19250	534.4	496179.5	8104377.0	28.0	4.61
19260	5892.4	499976.1	8102935.5	42.6	5.13
19270	4990.1	489439.1	8101337.4	63.0	7.02
19340	1222.4	496748.3	8090923.4	19.1	4.71

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 2 - 05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
20040	1637.7	461483.5	8081599.6	33.7	8.24
20100	2751.7	462381.3	8079795.4	33.3	2.69
20120	4098.7	462682.0	8082052.6	32.5	2.43
20190	6541.6	463733.3	8065218.7	31.4	2.44
20190	6562.8	463732.3	8065915.0	32.9	4.28
20230	4226.7	464337.1	8065166.4	29.0	2.25
20300	617.1	465372.1	8070514.8	31.9	-4.90
20310	3961.2	465529.9	8070601.6	39.6	-2.01
20350	1733.5	466128.6	8066527.8	31.4	2.90
20390	2432.1	466729.1	8067267.6	39.2	3.51
20401	1065.0	466880.5	8065649.2	33.6	4.08
20401	1070.1	466881.8	8065474.4	37.4	4.12
20411	1577.2	467036.6	8067433.7	32.7	5.59
20421	1759.6	467183.9	8066743.4	31.4	2.61
20421	1776.5	467180.9	8067334.0	32.0	5.33
20560	3375.9	469272.7	8063525.6	31.6	2.38
20600	6242.7	469876.1	8065311.3	34.1	3.60
20610	7318.8	470030.9	8064911.2	36.4	4.18
20620	7687.5	470180.7	8065357.3	32.4	2.90
20710	5694.5	471528.9	8063960.2	32.2	2.97
20720	6236.9	471677.8	8073034.8	38.2	2.40
20730	3030.4	471827.3	8061575.0	36.5	3.32
20730	3057.2	471829.1	8060584.1	32.5	3.66
20740	3705.4	471976.1	8061654.4	32.8	2.03
20740	3732.1	471979.0	8062669.2	32.0	2.10
20740	4003.8	471978.8	8073217.1	34.2	2.74
20770	1884.9	472432.6	8073431.5	32.6	2.94
20770	2146.7	472429.3	8063761.9	34.1	2.98
20780	841.7	472579.9	8061275.2	29.1	5.97
20780	1447.1	472583.4	8082289.2	31.4	2.76
20780	1591.1	472576.8	8087638.2	32.0	3.41
20790	2012.9	472724.7	8082346.6	38.0	2.60
20790	2069.6	472726.8	8080277.4	33.5	3.20
20790	2226.4	472729.4	8074477.6	34.8	2.94
20800	3389.4	472884.6	8074853.3	33.8	2.40
20810	2167.2	473030.0	8087301.2	35.2	3.27
20810	2466.7	473027.4	8074933.9	37.1	1.90
20820	1381.7	473189.8	8071231.3	32.0	4.17
20820	1472.8	473179.0	8074136.2	28.0	4.15
20820	1490.7	473175.6	8074660.2	33.1	3.57
20820	1885.6	473180.9	8087310.7	35.6	4.39

20830	8586.3	473324.6	8087313.7	30.4	4.29
20840	7837.8	473475.9	8074313.1	29.6	2.65
20850	6471.7	473626.2	8089371.7	44.6	6.86
20870	4272.2	473927.0	8087704.2	32.5	2.58
20880	3138.4	474073.8	8060163.9	35.0	9.08
20880	3890.2	474083.5	8084734.8	32.3	2.01
20880	3979.6	474078.2	8087580.3	32.9	5.33
20890	2341.5	474227.7	8087501.2	36.0	3.34
20900	1907.4	474378.1	8081687.6	33.7	2.77
20900	2027.4	474379.8	8085771.7	32.8	2.46
20900	2077.4	474370.0	8087370.4	34.5	3.47
20910	2894.5	474526.5	8066197.0	36.4	2.84
20910	3057.5	474529.9	8071772.8	33.7	-2.24
20911	3429.4	474531.0	8075628.6	33.4	3.04
20911	3587.7	474528.2	8081572.9	33.1	2.66
20911	3599.7	474528.7	8082023.0	31.6	2.55
20911	3699.3	474531.7	8085933.3	30.7	5.30
20920	4059.8	474674.5	8085982.9	31.1	3.15
20920	4149.5	474681.0	8083025.6	33.1	3.49
20920	4164.9	474671.5	8082472.6	38.9	2.76
20920	4191.1	474676.8	8081517.3	35.8	6.13
20920	4467.7	474675.3	8071694.3	29.5	2.95
20930	4931.8	474829.0	8060813.9	30.8	2.10
20930	5584.5	474826.5	8082833.4	36.6	4.75
20940	5878.2	474980.1	8086418.5	35.5	2.66
20940	6006.0	474971.3	8081938.7	31.1	2.56
20940	6011.9	474977.5	8081718.4	32.8	3.15
20940	6589.7	474976.9	8060943.9	35.3	2.17
20950	6851.2	475125.5	8065750.5	32.1	2.93
20950	7414.8	475122.2	8086656.0	37.2	9.04
20960	7570.0	475274.1	8086859.0	30.7	8.83
20960	7613.0	475268.2	8085364.5	32.5	2.53
20960	7703.9	475273.8	8082106.2	31.8	2.32
20960	8154.3	475278.4	8065694.9	36.6	4.57
20970	8409.6	475426.8	8060460.4	35.1	3.79
20970	9027.1	475423.7	8082079.0	34.7	4.03
20970	9110.1	475430.3	8085322.7	37.5	7.77
20980	9322.3	475575.7	8086931.5	33.9	3.08
20980	9372.8	475575.2	8085244.7	32.3	4.19
20980	9495.7	475578.1	8081165.2	33.8	3.61
20980	10025.1	475567.8	8063249.6	37.6	2.15
20990	2396.3	475726.5	8060479.3	32.2	2.71
20990	2720.7	475727.2	8071701.4	30.5	2.34
20990	2973.5	475729.9	8080471.9	32.1	3.41
20990	2994.0	475727.7	8081231.9	32.0	2.67
20990	3139.1	475723.9	8086977.0	36.5	2.91

21000	1545.2	475880.8	8087023.6	25.5	11.79
21000	1600.0	475866.8	8085246.2	35.4	8.45
21000	2283.4	475882.1	8060889.1	32.6	2.51
21010	1142.3	476025.0	8080659.0	32.9	2.36
21010	1157.2	476026.6	8081199.3	33.2	5.72
21010	1260.4	476021.8	8085127.6	33.0	2.82
21020	2007.2	476173.0	8087277.9	32.6	5.64
21020	2087.1	476173.0	8085053.9	38.3	4.79
21020	2100.1	476178.5	8084704.7	31.7	2.01
21020	2219.9	476178.6	8081166.3	37.3	12.53
21021	1532.7	476174.8	8060724.5	31.0	3.10
21021	1676.4	476179.2	8065587.4	31.2	2.55
21030	896.3	476325.3	8065465.8	35.1	2.30
21030	1471.9	476329.0	8084847.7	40.5	3.02
21030	1483.1	476326.9	8085260.5	32.8	2.76
21030	1540.3	476335.9	8087260.1	30.3	7.60
21040	1676.5	476471.4	8087259.6	26.8	5.44
21040	1750.5	476476.4	8084900.2	34.8	8.24
21050	2776.2	476632.1	8066843.9	32.0	2.21
21051	3586.9	476628.3	8080812.1	34.1	4.71
21051	3774.8	476626.5	8087231.7	30.6	3.15
21060	3924.9	476779.2	8087191.0	46.7	2.02
21060	4019.4	476777.2	8083957.3	36.3	5.13
21060	4089.7	476773.0	8081450.8	33.9	4.82
21060	4385.7	476779.6	8071482.0	37.7	3.80
21060	4512.6	476772.5	8067045.5	36.5	3.80
21060	4563.2	476771.5	8065239.6	35.4	4.25
21070	4882.8	476924.8	8061978.0	35.3	5.74
21070	4975.2	476921.4	8065242.7	36.9	2.49
21070	5025.6	476922.7	8066980.8	31.3	4.37
21070	5139.9	476929.7	8070547.0	36.3	3.38
21070	5218.9	476923.2	8073361.6	35.2	5.82
21070	5453.5	476922.1	8081455.4	36.5	6.14
21070	5541.0	476931.8	8084863.5	34.9	3.62
21080	5866.0	477071.6	8084024.6	36.2	9.14
21080	5942.8	477069.5	8081362.4	35.8	5.44
21080	5962.0	477079.0	8080683.2	33.5	2.91
21080	6219.3	477076.1	8071532.8	51.9	2.23
21080	6228.3	477080.5	8071222.3	32.6	6.12
21080	6249.2	477078.1	8070516.5	38.5	2.10
21080	6352.0	477080.3	8066901.0	31.9	4.41
21080	6404.1	477086.8	8065154.4	34.7	4.54
21091	7009.4	477220.6	8062532.6	34.1	2.12
21091	7094.0	477225.2	8065221.9	36.3	5.58
21091	7144.4	477243.0	8067003.6	37.0	4.77
21091	7277.2	477231.0	8071142.5	36.7	3.35

21091	7578.8	477218.4	8081295.5	39.2	5.27
21091	7677.8	477220.3	8084899.0	34.6	6.23
21100	2141.0	477372.3	8087876.2	33.2	4.10
21100	2178.7	477374.4	8086576.0	29.5	3.09
21100	2229.5	477380.0	8084978.7	34.2	5.85
21100	2241.5	477372.2	8084561.9	35.0	4.47
21100	2252.4	477371.0	8084168.9	31.0	9.41
21100	2263.5	477377.9	8083790.6	34.0	3.99
21100	2357.1	477371.8	8080647.2	33.2	5.22
21100	2652.5	477376.5	8071181.2	33.6	2.93
21100	2770.4	477373.0	8067073.4	35.0	7.03
21100	2822.7	477376.8	8065273.2	36.5	4.49
21110	3284.0	477526.9	8067124.1	34.3	7.33
21110	3405.9	477527.8	8070802.1	35.5	2.55
21110	3419.3	477527.9	8071240.9	35.4	2.42
21110	3424.0	477531.2	8071403.6	34.0	2.40
21110	3686.2	477527.6	8079999.2	32.4	2.31
21110	3740.1	477527.5	8081657.6	36.3	5.49
21110	3777.5	477528.4	8083002.0	34.1	8.12
21110	3813.3	477526.8	8084277.3	36.4	5.92
21110	3820.8	477529.5	8084560.2	31.9	9.34
21110	3828.7	477528.6	8084844.5	35.5	3.84
21110	3833.3	477527.2	8085002.3	34.8	2.78
21120	1835.5	477667.2	8086942.1	31.3	6.07
21120	1894.6	477675.5	8085042.0	32.9	3.60
21120	1901.6	477677.3	8084826.2	37.0	9.83
21120	1992.7	477675.0	8081609.4	33.5	3.02
21120	2399.4	477674.6	8067123.7	35.8	7.28
21120	2445.9	477666.6	8065326.2	36.6	4.13
21130	2723.9	477829.5	8061636.5	32.7	3.16
21130	2833.8	477823.9	8065391.5	32.5	6.54
21130	2886.2	477824.1	8067129.1	40.5	4.91
21130	2976.3	477832.0	8070058.2	31.6	6.28
21130	3337.5	477830.6	8081527.6	35.4	5.44
21130	3416.5	477826.2	8084141.9	37.5	6.50
21130	3435.5	477827.4	8084781.3	30.0	2.44
21130	3478.2	477823.8	8086285.0	33.7	3.52
21130	3484.9	477820.6	8086517.8	32.9	3.20
21140	3625.7	477977.2	8088250.5	31.3	4.84
21140	3707.5	477977.2	8085315.0	31.7	10.87
21140	3729.9	477981.3	8084559.4	35.8	3.94
21140	3803.1	477975.5	8081755.4	27.1	7.73
21140	4182.6	477975.2	8067191.7	37.1	2.52
21140	4229.8	477979.0	8065461.8	33.8	10.36
21150	4522.7	478132.2	8061918.6	38.6	2.26
21150	4621.1	478124.9	8065436.9	35.6	9.00

21150	4674.4	478123.0	8067260.0	34.1	2.35
21150	4794.4	478126.4	8071241.0	31.3	3.87
21150	5089.8	478124.7	8080625.3	36.0	6.86
21150	5124.2	478123.5	8081778.5	33.0	21.98
21150	5154.6	478120.6	8082829.7	36.3	5.10
21160	5505.5	478280.2	8085293.0	34.4	3.04
21160	5521.8	478275.6	8084776.9	33.3	5.01
21160	5581.7	478271.4	8082662.1	31.5	7.95
21160	6046.7	478274.2	8065813.8	37.9	4.92
21160	6057.3	478272.4	8065418.9	39.6	10.32
21160	6137.9	478275.0	8062843.4	39.6	5.52
21160	6179.6	478276.1	8061445.5	37.8	2.62
21170	6392.5	478423.2	8062545.3	34.3	2.58
21170	6695.9	478425.6	8072194.5	34.2	6.57
21170	7082.6	478426.1	8084435.2	34.5	3.41
21180	7375.2	478576.3	8084859.6	36.2	3.00
21180	7382.5	478577.2	8084601.2	36.5	4.02
21180	7387.1	478574.8	8084434.6	38.2	3.62
21180	7402.5	478577.0	8083860.0	37.7	2.78
21180	7460.6	478578.9	8081618.9	37.2	4.61
21180	7960.6	478569.3	8062938.3	35.5	3.01
21180	7981.3	478570.8	8062160.4	34.3	9.17
21190	8526.4	478723.5	8073606.8	36.9	7.76
21190	8773.8	478725.6	8081568.4	33.5	4.12
21190	8835.6	478723.4	8083461.2	37.3	7.39
21190	8867.5	478723.0	8084463.4	32.1	6.43
21190	8878.8	478724.9	8084837.0	35.6	2.71
21200	575.8	478865.5	8084547.0	31.5	3.95
21210	1298.7	479023.5	8080947.3	36.7	8.00
21210	1352.9	479017.2	8082656.8	31.0	8.13
21210	1359.9	479019.8	8082851.4	31.1	4.70
21210	1370.6	479026.8	8083158.3	32.5	9.12
21210	1399.1	479023.0	8084050.2	31.5	3.81
21230	2546.3	479325.5	8062014.4	35.9	5.51
21230	2571.1	479320.5	8062839.7	34.8	2.51
21241	680.6	479483.1	8062085.6	36.7	2.98
21241	718.7	479475.7	8063427.1	29.3	2.02
21251	2670.8	479624.9	8063273.0	35.6	3.96
21251	2721.9	479624.9	8061612.9	34.7	2.98
21260	4191.6	479780.1	8083393.3	36.8	4.83
21260	4194.4	479780.9	8083291.6	35.3	7.48
21260	4814.3	479774.5	8061982.2	31.4	3.36
21270	5686.6	479925.6	8083058.7	32.6	3.17
21270	5698.4	479931.5	8083417.8	34.7	8.07
21280	6090.9	480078.7	8083861.0	35.7	6.91
21280	6099.0	480079.6	8083593.3	34.0	2.02

21280	6109.9	480073.8	8083212.5	32.7	8.30
21290	6854.5	480233.5	8067617.6	34.0	3.38
21290	7356.8	480232.7	8083184.4	35.2	13.59
21290	7358.8	480231.1	8083245.7	35.0	9.06
21290	7363.4	480226.5	8083389.9	32.5	5.49
21290	7372.1	480224.7	8083677.3	32.4	5.26
21300	7636.5	480375.4	8086668.6	33.4	2.65
21300	7672.1	480381.1	8085416.4	38.7	4.91
21300	7740.1	480378.5	8083188.3	35.3	2.42
21310	8928.5	480529.1	8081850.3	36.7	4.10
21310	9031.2	480521.5	8085425.1	46.0	2.78
21310	9065.3	480529.7	8086542.9	35.0	3.34
21320	9291.2	480677.9	8085316.5	40.6	2.38
21320	9353.8	480679.0	8083313.7	39.2	2.95
21320	9370.4	480673.1	8082717.4	36.0	10.49
21320	9376.2	480677.9	8082503.7	32.6	6.28
21320	9395.8	480674.1	8081807.1	32.7	2.20
21330	10373.0	480824.2	8076005.0	30.3	3.62
21330	10535.1	480825.2	8080822.0	32.5	2.39
21330	10555.3	480825.5	8081408.8	32.8	9.17
21330	10580.6	480824.7	8082232.4	35.0	13.08
21330	10589.7	480821.3	8082526.8	33.3	3.14
21330	10594.2	480823.0	8082668.9	33.4	2.29
21340	11005.0	480978.9	8083249.2	35.0	5.57
21340	11022.9	480976.1	8082621.5	35.2	3.03
21340	11029.7	480978.3	8082379.1	35.2	2.39
21350	1317.3	481121.5	8080691.2	32.6	9.75
21360	636.0	481276.4	8081864.9	32.4	15.36
21360	643.0	481280.3	8081618.4	34.3	11.87
21360	654.9	481273.8	8081193.6	39.2	5.73
21370	1724.2	481427.7	8081025.1	35.4	5.10
21370	1737.5	481421.3	8081397.9	33.5	4.72
21370	1743.6	481419.0	8081573.2	39.2	6.80
21370	1758.4	481428.3	8082023.0	33.1	2.06
21370	1763.5	481428.9	8082179.1	34.2	7.30
21370	1770.2	481427.2	8082391.9	34.7	2.56
21380	2187.1	481575.4	8083085.5	31.3	12.24
21380	2201.8	481574.8	8082627.8	36.2	2.56
21380	2213.2	481574.9	8082240.1	32.8	6.43
21380	2225.6	481582.0	8081801.6	31.9	2.31
21380	2236.2	481581.6	8081416.9	31.3	5.46
21380	2246.9	481577.2	8081021.7	35.4	5.87
21380	2251.1	481574.1	8080871.1	31.8	6.05
21380	2262.2	481565.0	8080483.9	29.4	9.09
21390	3387.2	481730.9	8080894.3	37.9	15.63
21390	3410.5	481723.3	8081532.7	35.5	11.89

21390	3437.4	481727.5	8082332.8	34.0	5.10
21390	3447.6	481724.3	8082651.5	35.1	4.78
21390	3464.4	481732.4	8083208.6	33.7	8.50
21390	3482.7	481724.8	8083823.9	37.1	4.28
21400	3890.0	481880.2	8082591.8	36.2	2.12
21400	3903.0	481874.8	8082146.0	36.4	6.61
21400	3914.3	481881.3	8081743.9	33.9	8.05
21400	3920.4	481884.5	8081528.7	31.3	5.12
21400	4306.7	481878.6	8067941.1	32.1	6.04
21410	5061.9	482028.9	8081478.9	32.8	3.88
21410	5067.3	482028.1	8081623.6	37.7	5.76
21410	5074.3	482026.0	8081818.3	36.4	8.35
21410	5090.8	482029.3	8082280.9	38.0	5.89
21410	5122.7	482026.6	8083281.9	30.9	11.53
21420	5524.7	482180.1	8083868.6	28.3	2.62
21420	5535.5	482176.8	8083580.4	36.2	3.77
21420	5551.8	482176.6	8083130.6	30.2	9.76
21420	5585.1	482173.5	8082169.6	33.3	4.25
21420	5592.2	482177.3	8081942.1	37.0	4.53
21420	5603.6	482176.1	8081571.0	33.6	6.01
21420	5616.0	482177.1	8081162.3	34.2	8.95
21430	6446.7	482327.9	8067261.5	35.2	-4.80
21430	6887.8	482321.9	8080572.6	34.4	2.78
21430	6907.4	482326.5	8081142.9	36.0	5.59
21430	6932.4	482321.0	8081967.6	33.1	2.98
21440	7365.3	482475.6	8084065.4	31.4	8.59
21440	7388.0	482475.3	8083339.6	34.5	2.20
21440	7423.4	482470.7	8082236.2	32.0	5.50
21440	7453.9	482475.0	8081221.3	35.8	5.40
21440	7464.1	482477.9	8080886.3	33.6	13.65
21440	7870.3	482475.9	8067321.5	32.0	-4.10
21450	8539.7	482626.6	8080817.3	35.4	5.76
21450	8573.6	482625.2	8082042.6	37.2	4.95
21450	8579.6	482625.1	8082248.3	34.4	8.96
21450	8598.2	482625.1	8082906.2	29.0	3.63
21450	8603.0	482631.3	8083088.8	33.6	3.64
21460	9002.3	482775.7	8083611.6	36.7	5.11
21460	9023.9	482781.3	8082896.5	33.6	3.54
21460	9035.6	482769.4	8082538.7	31.9	3.58
21460	9051.2	482775.5	8082019.0	35.6	6.86
21460	9057.4	482762.4	8081810.0	33.0	6.21
21470	1519.3	482921.7	8082119.5	30.9	4.93
21470	1527.4	482923.0	8082381.7	32.9	4.73
21470	1540.5	482929.8	8082834.7	39.3	13.95
21470	1569.9	482912.3	8083844.0	32.5	4.73
21480	1917.0	483080.9	8083814.4	30.6	6.53

21480	1934.4	483076.1	8083271.2	31.4	2.89
21480	1954.9	483078.3	8082619.7	33.7	3.96
21480	1980.6	483074.0	8081807.9	37.7	2.17
21490	3096.2	483223.8	8081618.3	35.5	5.21
21490	3102.5	483228.1	8081843.2	41.3	20.81
21490	3156.4	483217.4	8083605.6	29.8	10.29
21500	3513.8	483374.9	8083657.6	33.6	6.67
21500	3534.8	483379.7	8082913.4	34.1	3.69
21500	3539.5	483373.7	8082747.3	32.3	26.09
21500	3585.5	483372.0	8081207.9	33.0	10.72
21500	3598.6	483373.5	8080760.8	35.6	7.91
21510	4315.4	483522.2	8068432.0	34.3	-7.40
21510	4322.0	483527.9	8068664.6	34.4	-6.50
21510	4333.5	483528.8	8069058.6	35.8	-3.70
21510	4701.0	483524.8	8081778.5	34.9	7.71
21510	4703.7	483525.0	8081870.7	35.1	4.22
21510	4725.3	483526.4	8082481.9	34.4	2.31
21510	4745.5	483525.7	8083178.0	33.8	10.04
21530	6074.0	483825.8	8071030.6	31.3	-2.50
21530	6422.8	483818.3	8082416.5	38.3	7.38
21530	6447.8	483833.1	8083334.3	37.7	9.94
21540	6876.0	483980.3	8083342.8	34.9	3.54
21540	6906.9	483969.9	8082459.1	30.5	2.72
21551	1253.7	484095.1	8083313.7	31.3	3.52
21600	3822.5	484878.3	8064392.0	35.6	3.07
21630	5329.7	485326.5	8067605.9	34.6	4.67
21630	5385.9	485329.7	8069457.9	30.6	3.05
21630	5396.4	485323.9	8069795.3	34.7	3.56
21640	6019.3	485475.7	8079095.6	31.2	6.62
21640	6273.8	485474.0	8070421.7	35.2	6.38
21640	6307.9	485469.1	8069235.0	36.3	3.40
21650	6656.0	485624.7	8068422.9	35.4	4.73
21660	7698.6	485775.0	8069362.3	32.2	4.00
21660	7749.5	485771.1	8067620.1	32.5	14.30
21680	9060.2	486070.5	8067861.2	34.0	5.92
21680	9072.9	486071.4	8067401.1	30.7	9.53
21690	9403.3	486222.7	8069944.0	35.7	13.08
21700	10341.0	486377.1	8069929.9	35.7	2.11
21710	3803.4	486527.8	8083508.4	34.8	5.72
21720	4703.1	486674.8	8067387.9	33.9	6.57
21730	3894.0	486827.9	8084117.1	34.1	4.41
21740	5337.2	486970.8	8083852.1	37.8	2.58
21740	5374.6	486973.5	8082510.3	39.4	2.73
21740	5393.0	486977.0	8081856.2	35.7	2.97
21750	6226.7	487125.0	8071412.6	29.8	4.68
21750	6410.1	487126.2	8077294.1	33.5	2.83

21750	6466.8	487122.3	8079234.0	34.3	3.80
21750	6573.7	487123.4	8082445.1	36.6	2.82
21760	6902.7	487275.5	8077279.3	34.7	2.64
21790	8127.3	487727.0	8077152.3	33.6	4.11
21800	8394.7	487876.1	8083018.6	38.0	2.22
21810	8997.0	488024.7	8079170.0	34.4	7.16
21830	9947.7	488328.0	8082758.8	34.5	5.36
21840	10103.7	488471.0	8082773.1	34.4	6.40
21850	1022.2	488628.1	8082295.2	37.9	3.04
21890	2682.0	489229.2	8082353.2	36.8	3.02
21890	2702.2	489232.1	8083062.5	32.6	5.65
21910	3505.5	489531.9	8081879.0	31.4	13.11
21910	3526.9	489529.7	8082616.1	35.7	3.01
21920	3655.0	489678.0	8083052.5	38.0	9.02
21920	3858.3	489675.1	8076422.6	35.4	2.33
21920	3977.1	489679.2	8072587.7	49.4	-6.84
21930	4188.1	489830.3	8076396.2	30.5	5.60
21930	4332.1	489824.7	8081275.3	40.7	6.20
21960	5153.0	490282.9	8079011.2	33.5	2.21
22110	9917.8	492523.1	8080883.3	32.0	2.72
22340	3031.1	495975.7	8076299.7	33.6	2.57
22370	3901.4	496426.0	8075792.8	33.8	3.20
22660	3888.3	500777.6	8078289.7	30.8	2.08
22670	3965.9	500925.7	8078352.4	29.3	3.11
22680	4537.0	501077.5	8077741.1	33.7	2.25
29040	3598.9	478143.1	8085996.0	32.4	2.19
29040	3712.9	474569.7	8085995.8	31.5	2.87
29050	4065.6	477536.0	8084498.1	32.9	4.89
29050	4099.7	478673.0	8084500.8	34.9	8.42
29050	4108.7	478995.8	8084496.9	31.6	2.25
29050	4133.3	479928.9	8084502.2	37.9	2.02
29050	4171.9	481392.2	8084495.0	37.9	-2.10
29060	4529.6	489676.4	8082998.6	37.1	3.63
29060	4590.9	487799.9	8082997.0	36.8	2.51
29060	4753.0	483449.2	8082993.5	32.0	2.79
29060	4779.1	482694.3	8082993.2	34.7	2.05
29060	4788.8	482414.8	8082994.8	35.2	2.18
29060	4802.9	481976.3	8083000.9	30.9	2.53
29060	4942.3	477917.9	8082996.0	33.8	4.62
29060	4957.1	477492.3	8082997.9	31.7	6.70
29071	6192.7	472047.4	8081500.5	31.6	2.42
29071	6266.4	474721.2	8081497.7	31.3	8.29
29071	6441.1	481214.6	8081502.7	35.2	4.32
29071	6445.8	481381.2	8081500.2	33.6	12.26
29071	6455.1	481729.1	8081497.8	33.1	13.76
29071	6460.7	481941.8	8081494.2	28.7	4.68

29071	6464.5	482081.0	8081492.3	34.7	3.92
29071	6467.4	482185.9	8081494.8	32.9	4.02
29071	6690.9	489743.6	8081496.2	33.0	3.05
29082	5960.5	491609.6	8079994.1	34.2	2.18
29090	1798.3	484862.6	8078490.7	36.8	2.42
29090	1882.0	482163.6	8078501.1	31.1	2.46
29100	3331.5	487769.6	8076997.8	32.6	2.70
29100	3332.6	487811.9	8076999.1	32.8	2.95
29100	3641.5	499936.6	8076994.6	37.5	2.65
29120	5900.5	479876.6	8073997.8	37.2	3.50
29120	5920.8	480610.9	8073998.4	33.2	6.13
29130	7361.2	483542.1	8072502.9	33.8	3.90
29140	927.9	480377.2	8070982.4	32.0	2.67
29140	936.9	480092.2	8070981.9	38.6	3.42
29150	2380.2	485311.4	8069497.8	34.9	4.09
29150	2387.7	485547.4	8069489.5	36.2	3.06
29180	6178.3	470656.7	8064994.4	30.2	4.00
29180	6197.3	470074.9	8064994.2	34.7	4.48
29190	9139.3	477390.8	8063496.1	33.7	2.70
29200	8677.3	476939.8	8061995.1	35.9	5.38
29200	8739.8	479359.9	8061997.1	33.0	5.77
29200	8751.5	479812.4	8061999.9	31.2	6.00
29210	7289.7	471786.7	8060489.7	32.8	3.69

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 3 - 05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
30060	1367.6	475517.9	8113650.5	31.9	-2.93
30140	2750.7	476736.4	8112998.6	40.6	-2.52
30180	3395.6	477347.7	8111096.8	36.8	-3.80
30280	4934.4	478819.6	8111043.2	35.7	-2.61
30450	2854.6	481374.7	8111429.0	29.1	2.16
30560	4399.0	483031.9	8112698.4	28.1	2.44
30590	5103.5	483474.7	8111537.3	33.4	2.84
30600	5178.4	483624.4	8111392.1	34.5	3.82
30630	6349.3	484072.2	8114920.6	30.4	2.13
30680	7503.8	484827.2	8113361.0	30.8	2.04
30700	7812.2	485130.4	8113529.8	28.2	2.79
30860	591.5	487529.3	8114165.8	25.8	2.95

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 4 - 05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
40550	2925.1	469154.8	8099386.1	34.6	2.32
40580	4626.1	469594.0	8099654.3	31.0	2.49
40630	6256.2	470354.1	8097942.7	31.9	2.17
40640	6850.3	470502.8	8098362.9	33.4	5.43
40670	1596.4	470962.2	8102135.7	28.1	2.52
40720	406.6	471692.9	8108908.4	35.7	3.30
40760	520.8	472309.0	8106303.9	35.3	2.07
40780	1304.2	472596.8	8103803.8	31.5	2.20
40790	1633.8	472763.5	8100721.5	31.5	6.60
40810	2370.6	473044.4	8101772.8	33.5	3.43
40820	2877.0	473201.8	8101063.9	30.0	2.11
40850	3892.0	473662.1	8101066.2	30.3	3.73
40850	3925.8	473654.6	8102408.3	32.7	2.25
40870	4577.1	473961.8	8099892.6	35.5	2.22
40880	5010.7	474098.3	8102861.7	28.1	3.26
40880	5035.2	474098.6	8101996.4	28.3	4.74
40880	5090.3	474096.9	8099876.1	32.9	4.14
40890	5359.4	474251.4	8102673.8	32.4	5.57
40900	5727.5	474413.3	8102868.9	32.4	8.03
40900	5738.4	474403.9	8102485.8	31.8	4.00
40910	6088.1	474551.0	8102632.0	31.7	5.46
40921	6562.5	474698.1	8102592.2	32.2	4.45
40921	6569.6	474687.4	8102358.8	34.7	2.77
49050	7114.6	471026.6	8102246.0	36.3	2.62
49060	6495.9	472743.9	8100755.2	31.6	6.93

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 5 - 05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
50100	1615.6	451414.4	8091618.1	33.9	2.59
50130	2405.3	451869.1	8091199.1	32.5	3.84
50220	2309.4	453217.1	8094259.6	33.8	2.59
59030	3131.5	452320.2	8090996.5	36.8	2.91
59050	2305.0	454011.6	8087995.2	36.5	2.71

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 6 - 05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
60020	2716.6	460212.7	8036657.0	33.6	2.02
60040	3354.4	460515.4	8034384.9	35.1	2.64
60040	3405.9	460513.6	8036020.9	33.7	2.04
60040	3412.0	460512.8	8036204.0	31.9	2.10
60040	3528.8	460513.6	8039756.6	30.1	2.05
60050	3831.1	460661.8	8039818.7	33.6	2.36
60090	5424.9	461255.2	8042953.9	32.8	2.07
60110	6195.4	461560.3	8041731.6	34.9	1.86
60120	6710.7	461715.8	8041588.3	32.5	6.21
60160	8167.4	462313.3	8043202.4	33.7	3.02
60180	8819.0	462610.1	8041966.8	37.0	3.15
60180	8848.9	462609.1	8043018.2	32.3	2.46
60190	8988.9	462758.6	8042040.9	36.2	2.17
60200	9263.1	462908.9	8034127.1	30.7	2.27
60200	9546.1	462904.7	8042989.2	33.9	5.52
60210	9884.9	463056.0	8034565.8	36.3	2.61
60210	9900.4	463063.1	8034016.8	35.4	2.10
60220	9960.5	463208.7	8034006.6	32.3	2.17
60220	10243.6	463206.2	8042938.3	33.7	2.10
60250	769.8	463655.0	8041621.2	32.9	2.20
60290	2089.5	464263.0	8043254.0	31.3	3.45
60300	2428.2	464409.1	8035130.7	32.7	2.45
60310	3038.9	464565.3	8034605.4	35.1	2.25
60390	5712.6	465753.5	8036721.3	37.8	2.72
60400	5849.4	465911.9	8034251.4	34.2	2.34
60420	6572.0	466210.5	8034399.9	33.4	2.39
60450	7691.0	466653.2	8039515.0	34.0	3.25
60460	7927.2	466804.6	8035505.0	33.3	2.04
60460	8071.1	466802.8	8040285.3	34.3	3.34
60470	8447.3	466949.0	8035676.4	35.8	2.00
69020	10239.6	462634.1	8041995.6	35.6	2.22
69060	8955.3	460570.4	8035994.6	35.0	2.49
69070	8672.5	465610.7	8034497.3	35.2	7.29
69070	8690.5	464976.7	8034496.1	34.6	2.03
69070	8719.8	463950.7	8034494.2	35.2	3.18
69070	8793.8	461250.0	8034495.8	31.1	2.01
69070	8824.1	460149.8	8034498.7	30.4	5.32

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 7 - 05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
70060	2309.5	480811.3	8048877.4	35.0	2.19
70080	2933.3	481102.2	8048138.0	34.5	2.06
70080	2955.7	481106.2	8048895.2	30.5	2.00
70120	4247.3	481712.5	8048207.0	30.1	2.89
70140	4883.0	482003.2	8047056.1	30.6	2.24
70150	5505.2	482149.2	8047388.9	35.7	1.75
70150	5513.5	482154.0	8047121.5	37.0	2.95
70200	6953.9	482902.5	8047612.1	34.2	2.51
70230	1470.5	483355.9	8049198.4	34.1	3.08
70230	1496.2	483349.1	8048278.1	29.9	1.26
70250	1945.6	483649.2	8054717.6	35.9	2.39
70320	4363.7	484701.9	8054911.6	37.2	3.17
70320	4372.4	484701.8	8055231.3	38.6	3.32
70330	4671.5	484854.9	8048036.5	36.9	3.01
70340	4992.2	485002.7	8055179.5	36.4	4.81
70350	5094.5	485159.0	8055184.7	35.6	9.34
70350	5135.4	485152.0	8053656.7	36.6	2.53
70360	5617.2	485296.4	8055164.5	33.7	7.83
70370	5722.3	485450.8	8055161.1	32.5	9.52
70380	6237.4	485603.5	8055046.9	37.4	4.46
70390	6348.7	485753.8	8055144.9	33.9	5.50
70390	6356.1	485755.1	8054903.2	33.7	3.47
70390	6391.6	485753.8	8053636.1	31.1	2.51
70400	6870.2	485901.5	8055177.3	36.2	4.10
70420	7526.3	486199.1	8055103.7	35.9	4.84
70440	8126.4	486506.5	8054094.8	33.9	2.63
70470	8874.1	486951.9	8054943.9	35.7	2.61
70470	8894.1	486951.5	8054215.0	32.4	2.28
70480	9396.9	487108.4	8055361.6	35.8	5.37
70520	10557.3	487700.1	8053185.7	31.2	2.28
70520	10585.5	487701.3	8054160.6	36.6	2.86
70530	10741.7	487851.0	8054435.9	31.3	2.14
70590	2349.2	488748.5	8056002.3	26.8	2.03
70610	2999.7	489052.4	8055734.5	30.1	3.59
70630	3745.7	489349.0	8056053.3	30.5	2.36
70640	4264.6	489501.5	8054191.6	34.0	2.13
70650	4389.5	489653.2	8055523.6	34.4	1.70
70650	4481.2	489648.1	8052465.9	32.2	3.75
70660	4756.8	489797.8	8048676.7	37.6	2.87
70660	4855.5	489800.4	8052413.1	34.3	2.22
70670	5045.3	489947.2	8055393.2	31.8	3.72

70680	5603.0	490099.1	8055506.8	31.3	2.37
70700	6043.3	490400.9	8048087.1	36.4	2.09
70720	6882.3	490699.4	8055560.7	39.5	1.60
70730	6968.9	490850.2	8055621.6	32.4	2.45
70750	7858.6	491145.4	8047924.9	30.3	2.26
70780	8623.9	491593.5	8047941.7	35.4	2.25
70820	9835.1	492217.9	8046910.3	39.4	2.46
70830	10356.7	492347.7	8048234.0	36.4	2.52
79020	3082.2	487544.8	8053742.6	30.8	2.49
79040	2162.3	494245.4	8050744.0	33.2	2.64

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 8 - 05
800 X 1200 m grid of E-W flight lines at 50 m spacing over
28.84 nT anomaly detected on line 10780 of Block 1- 05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
80020	3677.4	500628.3	8103932.1	25.7	2.10
80060	4012.9	500821.1	8103732.4	29.6	3.02
80070	4111.7	500849.2	8103680.5	31.4	2.40
80090	1355.3	501166.3	8103578.8	39.2	29.66
80140	453.1	500927.9	8103328.2	31.5	3.55

MAGNETIC ANOMALIES SELECTED BY FUGRO AIRBORNE SURVEYS

TWIN MINING CORPORATION JACKSON INLET PROPERTY
BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Helicopter-borne Dual Sensor MIDAS Magnetic Gradiometer Survey
Flown JUNE 21 - AUGUST 13, 2005

BLOCK 9 - 05
800 X 1200 m grid of E-W flight lines at 50 m spacing over
15.11 nT anomaly detected on line 10960 of Block 1- 05

"X" and "Y" coordinates in meters - UTME NAD27 Zone 16; "LASER" altimeter in meters; and, "ANOM_AMPLITUDE" (anomaly amplitude) in nanotessla (nT)

line	FID	X	Y	LASER	ANOM_AMPLITUDE
90090	2544.9	503918.5	8102825.3	32.8	22.20

ANNEX 4

TILL SAMPLE NUMBERS & COORDINATES

Year 2004 - Jackson Inlet Project

Twin Mining Corporation

Brodeur Peninsula, Baffin Island, Nunavut

Twin Mining Corporation - Jackson Inlet Project, Brodeur Peninsula, Baffin Island, NU

SOIL SAMPLING
July-August, 2004

UTM in NAD 27 Zone 16

Samplers: ***Barry Banks, Chris Killabuk, Troy Piercy, Toby Tigulloraq and Ron Ullicatar***
Project field manager: Adrian Davis

"Seal 1" and "Seal 2" refer to numbers on security seals on sample pails
"Number" refers to number of 20-litre sample pails

Number	Sample Number	Seal 1	Seal 2	UTM/East (m)	UTM/North (m)	Survey Line
1	90501	2153	2156	492701	8079705	492700
1	90502	2396	2397	492726	8079273	492700
1	90503	2237	2236	492672	8078741	492700
1	90504	2394	2398	492663	8078199	492700
1	90505	2202	2293	492665	8077746	492700
1	90506	2204	2210	492641	8077227	492700
1	90507	2444	2209	492764	8076790	492700
1	90508	2476	2473	492576	8076237	492700
1	90509	2393	2395	492631	8075668	492700
1	90510	2425	2430	492605	8075208	492700
1	90511	2428	2496	492756	8074752	492700
1	90512	2438	2321	492710	8074192	492700
1	90513	2436	2437	492766	8073802	492700
1	90514	2350	2175	492769	8073205	492700
1	90515	2379	2377	492736	8072728	492700
1	90516	2212	2279	472417	8078039	472450
1	90517	2036	2078	472447	8077527	472450
1	90518	2112	2253	472398	8077040	472450
1	90519	2494	2372	472455	8076544	472450
1	90520	2126	2123	472416	8076067	472450
1	90521	2151	2205	472443	8075547	472450
1	90522	2234	2233	472390	8075033	472450
1	90523	2039	2034	472385	8074543	472450
1	90524	2327	2322	472446	8074032	472450
1	90525	2423	2420	472445	8073484	472450
1	90526	2500	2407	472451	8073016	472450
1	90527	2424	2374	472420	8072515	472450
1	90528	2106	2003	472284	8071998	472450
1	90529	2498	2499	472390	8071480	472450
1	90530	2450	2446	472348	8070965	472450
1	90531	2497	2410	472431	8070481	472450
1	90532	2159	2157	472421	8070032	472450
1	90533	2347	2478	472405	8069453	472450
1	90534	2163	2176	472310	8068916	472450
1	90535	2448	2442	472444	8068555	472450
1	90536	2206	2208	474401	8077853	474450
1	90537	2134	2417	474426	8077573	474450
1	90538	2242	2225	474421	8077091	474450
1	90539	2404	2421	474510	8076553	474450
1	90540	2249	2181	474416	8076082	474450
1	90541	2400	2399	474452	8075562	474450
1	90542	2231	2232	474335	8075044	474450
1	90543	2419	2324	474312	8074480	474450
1	90544	2165	2170	474397	8073964	474450
1	90545	2080	2079	474433	8073557	474450

1	90546	2270	2203	474440	8073047	474450
1	90547	2329	2330	474418	8072558	474450
1	90548	2408	2271	474396	8072075	474450
1	90549	2172	2075	474345	8071577	474450
1	90550	2220	2241	474352	8070954	474450
1	90551	2071	2391	496853	8070396	496800
1	90552			498761	8077295	498800
1	90553			498747	8076820	498800
1	90554			498794	8076283	498800
1	90555			498779	8075812	498800
1	90556			498757	8075324	498800
1	90557			498682	8074800	498800
1	90558			498733	8074294	498800
1	90559			498704	8073804	498800
1	90560			498763	8073273	498800
1	90561			498795	8072885	498800
1	90562			498613	8072292	498800
1	90563			498732	8071800	498800
1	90564			498792	8071241	498800
1	90565			498761	8070786	498800
1	90566			498800	8070293	498800
1	90567	2371	2495	500659	8072992	500850
1	90568	2031	2130	500973	8073986	500850
1	90569	2265	2131	500783	8074929	500850
1	90570	2173	2174	502813	8074408	500850
1	90571	2216	2245	502867	8073510	500850
1	90572	2432	2472	502895	8072678	500850
1	90573	2416	2412	474408	8070559	474450
1	90574	2178	2180	474441	8070044	474450
1	90575	2167	2429	474365	8069523	474450
1	90576	2431	2413	474506	8068992	474450
1	90577	2166	2164	474444	8068781	474450
1	90578	361	475	511083	8131161	511000
1	90579	2319	2320	511071	8130710	511000
1	90580	2312	2318	511049	8130265	511000
1	90581	203	202	511047	8129724	511000
1	90582	96	93	510923	8129098	511000
1	90583	1797	2040	510888	8128651	511000
1	90584	2334	2335	510812	8128227	511000
1	90585	2316	2314	510843	8127678	511000
1	90586	1880	1881	510808	8127213	511000
1	90587	450	442	510825	8126703	511000
1	90588	92	95	510973	8126172	511000
1	90589	224	225	511000	8125693	511000
1	90590	181	473	511067	8125210	511000
1	90591			478429	8077963	478450
1	90592			478279	8077473	478450
1	90593			478175	8076916	478450
1	90594			478187	8076406	478450
1	90595			478159	8075967	478450
1	90596			478271	8075461	478450
1	90597			478461	8074907	478450
1	90598			478411	8074435	478450
1	90599			478360	8072930	478450
1	90600			478299	8073449	478450

1	90601	2001	2009	476421	8068450	476450
1	90602	2129	2065	476512	8068945	476450
1	90603	2195	2198	476535	8069546	476450
1	90604	2066	2063	476447	8069949	476450
1	90605	2085	2096	476458	8070460	476450
1	90606	2004	2019	476431	8070972	476450
1	90607	2033	2035	476471	8071515	476450
1	90608	2127	2124	476474	8072002	476450
1	90609	2199	2191	476464	8072496	476450
1	90610	2014	2018	476471	8072964	476450
1	90611	2064	2032	476457	8073461	476450
1	90612	2069	2068	476438	8073968	476450
1	90613	2117	2113	476470	8074397	476450
1	90614	2011	2103	476569	8074985	476450
1	90615	2186	2083	476479	8075456	476450
1	90616	2213	2217	476509	8076103	476450
1	90617	2048	2140	476474	8076520	476450
1	90618	2227	2223	476363	8076954	476450
1	90619	2047	2046	476466	8077485	476450
1	90620	2132	2258	476402	8077686	476450
1	90621	1871	2266	505011	8131186	505000
1	90622	2315	2313	505028	8130741	505000
1	90623	2475	2273	504960	8130230	505000
1	90624	2194	2139	504997	8129730	505000
1	90625	2369	2363	504958	8129254	505000
1	90626	2483	2487	504977	8128686	505000
1	90627	373	375	504983	8128230	505000
1	90628	336	372	504996	8127688	505000
1	90629	477	478	505004	8127250	505000
1	90630	1924	2345	504991	8126712	505000
1	90631	233	14	504978	8126167	505000
1	90632	333	408	504968	8125718	505000
1	90633	2336	2332	504915	8125218	505000
1	90634	177	285	505072	8124729	505000
1	90635	2331	2338	505018	8124214	505000
1	90636	1923	2477	504943	8123711	505000
1	90637	160	148	504967	8123210	505000
1	90638	2339	2337	505000	8122733	505000
1	90639	2361	2362	504977	8122238	505000
1	90640	2367	2364	504998	8121686	505000
1	90641			452939	8091582	452900
1	90642			452880	8089457	452900
1	90643	176	215	452872	8089950	452900
1	90644			452865	8090508	452900
1	90645	116	112	452877	8090984	452900
1	90646	207	201	457500	8093717	457500
1	90647	238	286	457555	8092713	457500
1	90648			457548	8092207	457500
1	90649	19	77	457553	8091809	457500
1	90650	252	253	457510	8093175	457500
1	90651			478269	8072834	478450
1	90652			478277	8072401	478450
1	90653			478302	8071911	478450
1	90654			478475	8071412	478450
1	90655			478562	8070911	478450

1	90656			478672	8070426	478450
1	90657			478677	8069962	478450
1	90658			478617	8069416	478450
1	90659			478428	8068946	478450
1	90660			478449	8068432	478450
1	90661	334	332	473177	8063683	473200
1	90662	498	496	473175	8059354	473200
1	90663	321	330	473064	8059703	473200
1	90664	9	2	473023	8060263	473200
1	90665			472986	8060887	473200
1	90666	499	495	472978	8061385	473200
1	90667			472986	8061852	473200
1	90668			473055	8062311	473200
1	90669	100	99	473098	8062714	473200
1	90670			473060	8063353	473200
1	90671	370	350	451608	8066685	451600
1	90672	268	232	451765	8062163	451600
1	90673	307	329	451814	8062694	451600
1	90674	357	355	451798	8063363	451600
1	90675	322	327	451831	8063701	451600
1	90676	236	262	451751	8064272	451600
1	90677	140	283	451722	8064660	451600
1	90678	141	142	451614	8065493	451600
1	90679	491	445	451614	8065763	451600
1	90680	331	335	451624	8066300	451600
1	90681	169	163	482477	8056313	482350
1	90682	145	144	482179	8046746	482350
1	90683	266	287	482114	8047309	482350
1	90684	235	239	482071	8047841	482350
1	90685	170	208	482086	8048200	482350
1	90686	147	149	482043	8048844	482350
1	90687	257	251	482017	8049170	482350
1	90688	54	51	481954	8049787	482350
1	90689	7	5	481973	8050172	482350
1	90690	353	366	481963	8050731	482350
1	90691	288	265	482144	8051344	482350
1	90692	281	297	482164	8051871	482350
1	90693	137	196	482188	8052231	482350
1	90694	258	259	482203	8052744	482350
1	90695	166	167	482208	8053227	482350
1	90696	58	59	482230	8053764	482350
1	90697	300	298	482242	8054275	482350
1	90698	293	295	482266	8054837	482350
1	90699	8	11	482305	8055326	482350
1	90700	260	255	482275	8055765	482350
1	90701			455124	8089421	455100
1	90702			455090	8089992	455100
1	90703			455114	8090465	455100
1	90704			455085	8090964	455100
1	90705			455081	8091472	455100
1	90706			455090	8091917	455100
1	90707			455091	8092474	455100
1	90708			455069	8093002	455100
1	90709			455098	8093476	455100
1	90710			455109	8094018	455100

1	90751	117	67	484278	8056177	484300
1	90752			484363	8046874	484300
1	90753	168	161	484300	8047298	484300
1	90754	223	221	484302	8047782	484300
1	90755	2485	2454	484280	8048239	484300
1	90756			484323	8048795	484300
1	90757	2358	2353	484338	8049289	484300
1	90758	2352	2458	484312	8049820	484300
1	90759	2392	2481	484246	8050272	484300
1	90760	119	120	484236	8050879	484300
1	90761	2380	2381	484258	8051278	484300
1	90762	2389	2388	484253	8051871	484300
1	90763	2456	2223	484277	8052212	484300
1	90764	55	57	484302	8052839	484300
1	90765	69	66	484314	8053303	484300
1	90766	2025	2147	484312	8053789	484300
1	90767	231	56	484269	8054195	484300
1	90768	65	64	484266	8054740	484300
1	90769	70	61	484287	8055223	484300
1	90770	2276	2024	484353	8055735	484300
1	90771	2355	2360	486494	8056326	486300
1	90772	38	157	486353	8046802	486300
1	90773	2051	2451	486360	8047228	486300
1	90774	113	114	486351	8047801	486300
1	90775	111	63	486312	8048239	486300
1	90776	2469	2382	486222	8048858	486300
1	90777	2463	2461	486272	8049363	486300
1	90778	2383	2390	486259	8049773	486300
1	90779	2254	1889	486271	8050227	486300
1	90780	2385	2460	486323	8050690	486300
1	90781	246	247	486321	8051184	486300
1	90782	2480	2354	486222	8051919	486300
1	90783	2221	2277	486173	8052298	486300
1	90784	18	12	486154	8052803	486300
1	90785	62	68	486206	8053300	486300
1	90786	2027	2020	486199	8053855	486300
1	90787	52	4	486190	8054253	486300
1	90788	270	467	486160	8054745	486300
1	90789	240	237	486250	8055479	486300
1	90790	6	229	486276	8056129	486300
1	90801			492369	8051348	492350
1	90802			492359	8050713	492350
1	90803			492346	8050334	492350
1	90804			492342	8049789	492350
1	90805			492321	8049361	492350
1	90806			492346	8048834	492350
1	90807			492368	8048258	492350
1	90808			492371	8047878	492350
1	90809			492369	8047272	492350
1	90810			492374	8046814	492350
1	90811	291	269	494382	8046837	494350
1	90812	227	226	494414	8047196	494350
1	90813	204	210	494364	8047819	494350
1	90814	230	222	494368	8048276	494350
1	90815	292	290	494410	8048808	494350

1	90816	209	205	494440	8049315	494350
1	90817	206	200	494513	8049957	494350
1	90818	294	299	494546	8050348	494350
1	90819	282	296	494591	8050780	494350
1	90820	263	284	494571	8051324	494350
1	90821	2142	2148	494550	8051874	494350
1	90822	2365	2368	494571	8052271	494350
1	90823	2468	2467	494567	8052882	494350
1	90824	1669	2488	494534	8053412	494350
1	90825	2457	2455	494477	8053867	494350
1	90826	2311	2317	494481	8054285	494350
1	90827	2021	2030	494514	8054748	494350
1	90828	2366	2135	494433	8055362	494350
1	90829	1798	2346	494384	8055843	494350
1	90830	2149	2141	494314	8056371	494350
1	90831	358	354	482374	8029721	482350
1	90832	301	360	482446	8030180	482350
1	90833	323	325	482465	8030697	482350
1	90834	309	91	482510	8031197	482350
1	90835	352	308	482569	8031704	482350
1	90836	443	441	482623	8032229	482350
1	90837	380	189	482597	8032783	482350
1	90838	446	492	482663	8033199	482350
1	90839	444	448	482677	8033761	482350
1	90840	449	447	482716	8034229	482350
1	90841			482709	8034782	482350
1	90842			482719	8035205	482350
1	90843			482696	8035740	482350
1	90844			482658	8036227	482350
1	90845			482614	8036767	482350
1	90846			482566	8037262	482350
1	90847			482534	8037857	482350
1	90848			482476	8038247	482350
1	90849			482474	8038796	482350
1	90850			482419	8039225	482350
1	90851	244	249	488397	8056247	488350
1	90852	2351	2359	488376	8055865	488350
1	90853	315	314	488396	8055327	488350
1	90854	274	280	488349	8054813	488350
1	90855	125	129	488365	8054309	488350
1	90856	320	318	488357	8053810	488350
1	90857	2356	2357	488301	8053315	488350
1	90858	13	20	488190	8052842	488350
1	90859	2384	2387	487914	8051771	488350
1	90860	241	245	487911	8052236	488350
1	90861	53	60	488362	8046588	488350
1	90862	2465	2464	488389	8047170	488350
1	90863	234	254	488346	8047750	488350
1	90864	27	28	488327	8048285	488350
1	90865	278	279	488387	8048781	488350
1	90866	2462	2470	488410	8049305	488350
1	90867	30	10	488416	8049766	488350
1	90868	164	150	488434	8050277	488350
1	90869	2452	2453	488509	8050886	488350
1	90870	2290	2137	488505	8051242	488350

1	90871	121	123	490440	8056318	490350
1	90872	1	3	490505	8046766	490350
1	90873	16	33	490619	8047223	490350
1	90874	275	276	490668	8047770	490350
1	90875	165	162	490708	8048270	490350
1	90876	37	152	490718	8048831	490350
1	90877	26	21	490781	8049248	490350
1	90878	272	273	490810	8049773	490350
1	90879	115	118	490861	8050320	490350
1	90880	271	310	490860	8050809	490350
1	90881	34	40	490829	8051308	490350
1	90882	328	326	490799	8051882	490350
1	90883	15	17	490785	8052335	490350
1	90884	351	32	490688	8052869	490350
1	90885	158	36	490663	8053292	490350
1	90886	130	124	490595	8053823	490350
1	90887	243	250	490611	8054317	490350
1	90888	128	122	490545	8054878	490350
1	90889	343	311	490496	8055325	490350
1	90890	153	156	490456	8055812	490350
1	90891	344	341	492634	8056192	492350
1	90892	154	155	492560	8055824	492350
1	90893	324	359	492578	8055298	492350
1	90894	2007	2370	492591	8054794	492350
1	90895	159	151	492548	8054201	492350
1	90896	248	242	492432	8053842	492350
1	90897	127	126	492365	8055265	492350
1	90898	313	347	492350	8052893	492350
1	90899	312	277	492410	8052203	492350
1	90900	316	319	492384	8051853	492350
1	90901			484421	8029753	484350
1	90902			484446	8030180	484350
1	90903			484483	8030737	484350
1	90904			484540	8031155	484350
1	90905			484464	8031830	484350
1	90906			484547	8032281	484350
1	90907			484576	8032679	484350
1	90908			484635	8033171	484350
1	90909			484607	8033813	484350
1	90910			484658	8034248	484350
1	90911			484662	8034815	484350
1	90912			484651	8035301	484350
1	90913			484593	8035715	484350
1	90914			484537	8036264	484350
1	90915			484508	8036777	484350
1	90916			484461	8037240	484350
1	90917			484357	8037707	484350
1	90918			484317	8038218	484350
1	90919			484365	8038736	484350
1	90920			484355	8039243	484350
1	90921			486352	8029730	486350
1	90922			486293	8030190	486350
1	90923			486308	8030742	486350
1	90924			486309	8031238	486350
1	90925			486282	8031805	486350

1	90926		486248	8032246	486350
1	90927		486290	8032822	486350
1	90928		486302	8033186	486350
1	90929		486304	8033726	486350
1	90930		486360	8034256	486350
1	90931		486261	8034773	486350
1	90932		486271	8035280	486350
1	90933		486251	8035704	486350
1	90934		486249	8036226	486350
1	90935		486285	8036777	486350
1	90936		486252	8037297	486350
1	90937		486293	8037777	486350
1	90938		486381	8038279	486350
1	90939		486410	8038785	486350
1	90940		486353	8039291	486350
1	90941		488448	8029850	488350
1	90942		488457	8030232	488350
1	90943		488452	8030738	488350
1	90944		488479	8031261	488350
1	90945		488510	8031753	488350
1	90946		488536	8032245	488350
1	90947		488557	8032799	488350
1	90948		488536	8033197	488350
1	90949		488617	8033689	488350
1	90950		488644	8034216	488350
1	90951		488650	8034736	488350
1	90952		488656	8035232	488350
1	90953		488679	8035849	488350
1	90954		488603	8036253	488350
1	90955		488630	8036752	488350
1	90956		488648	8037402	488350
1	90957		488604	8037748	488350
1	90958		488577	8038264	488350
1	90959		488491	8038798	488350
1	90960		488405	8039384	488350
1	90961		464565	8036062	464600
1	90962		464599	8036556	464600
1	90963		464610	8037033	464600
1	90964		464611	8037639	464600
1	90965		464583	8038016	464600
1	90966		464502	8038542	464600
1	90967		464367	8039131	464600
1	90968		464497	8039611	464600
1	90969		464525	8040047	464600
1	90970		464602	8040676	464600
1	90971		493181	8020433	493100
1	90972		493211	8020784	493100
1	90973		493183	8021456	493100
1	90974		493158	8021841	493100
1	90975		493189	8022397	493100
1	90976		493207	8022786	493100
1	90977		493268	8023339	493100
1	90978		493291	8023818	493100
1	90979	381	493244	8024408	493100
1	90980	212	493214	8024770	493100

1	90981	383	436733	8026550	
1	90982	385	436750	8027980	
1	90983	384	501692	8036491	
1	90984	220	502711	8036504	
1	90985	219	502879	8034633	
1	90986	382	504183	8034527	
1	90987	216	505031	8035014	
1	90988	432	469489	8082232	469400
1	90989	410	469415	8082797	469400
1	90990	403	469301	8083967	469400
1	90991	218	469465	8084792	469400
1	90992	401	469463	8085802	469400
1	90993	406	469504	8086211	469400
1	90994	402	469442	8086778	469400
1	90995	139	469448	8087789	469400
1	90996	388	469497	8088362	469400
1	90997	387	469382	8088764	469400
1	90998	463	472061	8078574	472000
1	90999	391	471957	8079537	472000
1	91501	437	471969	8080441	472000
1	91502	436	471998	8081476	472000
1	91503	409	472050	8082461	472000
1	91504	440	474151	8078517	474200
1	91505	433	474198	8079510	474200
1	91506	404	474232	8080459	474200
1	91507	938	474252	8081447	474200
1	91508	435	474300	8082399	474200
1	91509	439	482544	8071422	482550
1	91510	431	482601	8072425	482550
1	91511	434	482565	8073395	482550
1	91512	396	482553	8074365	482550
1	91513	422	482543	8075334	482550
1	91514	469	483137	8064313	
1	91515	481	483122	8065304	
1	91516	85	483101	8066359	
1	91517	452	483075	8067323	
1	91518	483	483065	8068331	
1	91519	87	484606	8064366	
1	91520	82	484636	8065276	
1	91521	25	484541	8066392	
1	91522	89	484585	8067373	
1	91523	90	484624	8068429	
1	91524	83	485232	8080296	
1	91525	190	485333	8081263	
1	91526	186	485364	8082389	
1	91527	187	485340	8083387	
1	91528	31	485238	8084365	
1	91529	484	486901	8072887	
1	91530	450	487260	8073917	
1	91531	426	487269	8074915	
1	91532	421	486855	8081879	
1	91533	487	486885	8080949	
1	91534	429	486919	8074900	
1	91535	427	486935	8078882	
1	91536	424	486977	8077862	

1	91537	423	487014	8076901	
1	91538	453	487013	8075767	
1	91539	428	488826	8081869	
1	91540	489	488802	8080840	
1	91541	457	488793	8079963	
1	91542	451	488750	8078836	
1	91543	490	488758	8077972	
1	91544	459	488757	8076887	
1	91545	456	488810	8075936	
1	91546	454	488819	8074844	
1	91547	458	488836	8073920	
1	91548	199	488802	8072827	
1	91549	84	462022	8104502	
1	91550	23	462059	8104226	
1	91551	425	462027	8103740	462000
1	91552	22	461979	8103155	462000
1	91553	35	461981	8102753	462000
1	91554	455	461978	8102176	462000
1	91555	213	461958	8101701	462000
1	91556	197	461979	8101172	462000
1	91557	29	462003	8100709	462000
1	91558	482	466017	8104652	466000
1	91559	72	466057	8104237	466000
1	91560	430	466130	8103730	466000
1	91561	185	466142	8103214	466000
1	91562	79	466078	8102738	466000
1	91563	74	466061	8102227	466000
1	91564	78	466023	8101745	466000
1	91565	73	466017	8101197	466000
1	91566	71	465988	8100694	466000
1	91567	392	469507	8099694	469550
1	91568	393	469582	8100117	469550
1	91569	192	469613	8100677	469550
1	91570	86	469644	8101141	469550
1	91571	486	469654	8101777	469550
1	91572	364	469680	8102126	469550
1	91573	173	469763	8102735	469550
1	91574	397	469893	8103184	469550
1	91575	395	469898	8103680	469550
1	91576	98	469941	8104185	469550
1	91577	468	469955	8109673	469550
1	91578	461	469937	8105194	469550
1	91579	103	469930	8105744	469550
1	91580	80	469924	8106189	469550
1	91581	109	469950	8106751	469550
1	91582	138	469893	8107214	469550
1	91583	179	469834	8107699	469550
1	91584	198	469734	8108199	469550
1	91585	398	469659	8108746	469550
1	91586	45	469571	8109272	469550
1	91587		471506	8099782	471550
1	91588		471527	8100136	471550
1	91589		471553	8100646	471550
1	91590		471577	8101187	471550
1	91591		471584	8101722	471550

1	91592	471631	8102206	471550
1	91593	471693	8102711	471550
1	91594	471731	8103153	471550
1	91595	471779	8103703	471550
1	91596	471802	8104169	471550
1	91597	471888	8104715	471550
1	91598	471887	8105215	471550
1	91599	471867	8105794	471550
1	91600	471802	8106178	471550
1	91601	471733	8106752	471550
1	91602	471658	8107197	471550
1	91603	471626	8107723	471550
1	91604	471632	8108218	471550
1	91605	471599	8108732	471550
1	91606	471593	8109255	471550
1	91607	473506	8099683	473550
1	91608	473508	8100163	473550
1	91609	473544	8100638	473550
1	91610	473600	8101177	473550
1	91611	473623	8101674	473550
1	91612	473624	8102174	473550
1	91613	473643	8102675	473550
1	91614	473657	8103175	473550
1	91615	473649	8103667	473550
1	91616	473703	8104166	473550
1	91617	473660	8104666	473550
1	91618	473673	8105204	473550
1	91619	473677	8105686	473550
1	91620	473667	8106170	473550
1	91621	473644	8106766	473550
1	91622	473628	8107169	473550
1	91623	473591	8107739	473550
1	91624	473586	8108193	473550
1	91625	473568	8108556	473550
1	91626	473550	8109203	473550
1	91627	503054	8111687	503000
1	91628	503087	8112234	503000
1	91629	503158	8112681	503000
1	91630	503200	8113271	503000
1	91631	503216	8113787	503000
1	91632	503362	8114425	503000
1	91633	503414	8114762	503000
1	91634	503411	8115250	503000
1	91635	503419	8115777	503000
1	91636	503384	8116252	503000
1	91637	503386	8116790	503000
1	91638	503375	8117256	503000
1	91639	503313	8117795	503000
1	91640	503271	8118334	503000
1	91641	503252	8118768	503000
1	91642	503206	8119307	503000
1	91643	503187	8119741	503000
1	91644	503139	8120259	503000
1	91645	503042	8120802	503000
1	91646	505028	8111573	505000

1	91647		505107	8112079	505000
1	91648		505116	8112525	505000
1	91649		505122	8113065	505000
1	91650		505194	8113549	505000
1	91651		505211	8114064	505000
1	91652		505253	8114595	505000
1	91653		505300	8115146	505000
1	91654		505306	8115629	505000
1	91655		505325	8116061	505000
1	91656		505383	8116607	505000
1	91657		505406	8117166	505000
1	91658		505408	8117634	505000
1	91659		505421	8118119	505000
1	91660		505414	8118621	505000
1	91661		505368	8119142	505000
1	91662		505316	8119640	505000
1	91663		505253	8120182	505000
1	91664		505182	8120626	505000
1	91665		505064	8121212	505000
1	91666		507081	8121721	507000
1	91667		507111	8122210	507000
1	91668		507121	8122710	507000
1	91669		507099	8123205	507000
1	91670		507113	8123707	507000
1	91671		507130	8124211	507000
1	91672		507124	8124710	507000
1	91673		507119	8125232	507000
1	91674		507142	8125838	507000
1	91675		507122	8126244	507000
1	91676		507095	8126702	507000
1	91677		507069	8127260	507000
1	91701		513028	8121604	513000
1	91702		513066	8122143	513000
1	91703		513091	8122670	513000
1	91704		513134	8123141	513000
1	91705		513179	8123718	513000
1	91706		513169	8124148	513000
1	91707		513157	8124700	513000
1	91708		513193	8125741	513000
1	91709		513190	8125670	513000
1	91710		513195	8126270	513000
1	91711		513068	8126668	513000
1	91712		513137	8127210	513000
1	91713		513203	8127719	513000
1	91714		513222	8128147	513000
1	91715		513260	8128762	513000
1	91716		513272	8129151	513000
1	91717		513159	8129662	513000
1	91718		513152	8130294	513000
1	91719		513080	8130716	513000
1	91720	414	512924	8131334	513000
1	91721		509068	8111719	509000
1	91722		509091	8112156	509000
1	91723		509083	8112651	509000
1	91724		509077	8113165	509000

1	91725		509085	8113663	509000
1	91726		509085	8114141	509000
1	91727		509114	8114721	509000
1	91728		509145	8115181	509000
1	91729		509180	8115648	509000
1	91730		509224	8116181	509000
1	91731		509279	8116676	509000
1	91732		509280	8117355	509000
1	91733		509291	8117728	509000
1	91734		509298	8118288	509000
1	91735		509267	8118661	509000
1	91736		509235	8119206	509000
1	91737		509197	8119710	509000
1	91738		509168	8120203	509000
1	91739		509089	8120720	509000
1	91740		509016	8121241	509000
1	91741		507000	8111695	507000
1	91742		507012	8112251	507000
1	91743		507055	8112652	507000
1	91744		507054	8113151	507000
1	91745		507078	8113678	507000
1	91746		507103	8114188	507000
1	91747		507073	8114688	507000
1	91748		507124	8115163	507000
1	91749		507165	8115662	507000
1	91750		507213	8116204	507000
1	91751		507196	8116723	507000
1	91752		507245	8117161	507000
1	91753		507264	8117674	507000
1	91754		507236	8118190	507000
1	91755		507232	8118702	507000
1	91756		507180	8119176	507000
1	91757		507170	8119696	507000
1	91758		507143	8120196	507000
1	91759		507046	8120711	507000
1	91760		506922	8121177	507000
1	91761	416	462323	8061510	462300
1	91762	415	462454	8064168	462300
1	91763	485	462547	8066225	462300
1	91764	464	462555	8068222	462300
1	91765	195	462615	8070217	462300
1	91766	417	462617	8072253	462300
1	91767	471	462686	8074193	462300
1	91768	480	462845	8076146	462300
1	91769	256	462963	8078167	462300
1	91770	379	463087	8080171	462300
1	91771	39	463093	8082126	462300
1	91772	412	463082	8084138	462300
1	91773	174	462867	8086130	462300
1	91774	194	463041	8088147	462300
1	91775	105	462915	8090324	462300
1	91776	107	462671	8092331	462300
1	91777	399	462421	8094117	462300
1	91778	479	462459	8096174	462300
1	91779	407	462361	8098215	462300

1	91780	470	464580	8061559	464600
1	91781	390	464278	8064229	464600
1	91782	175	464022	8066369	464600
1	91783	418	463824	8068383	464600
1	91784	104	463713	8070305	464600
1	91785	48	463576	8072243	464600
1	91786	102	463455	8074110	464600
1	91787	378	463354	8076338	464600
1	91788	188	463153	8078398	464600
1	91789	108	463153	8080169	464600
1	91790	171	463258	8082280	464600
1	91791	76	463277	8084213	464600
1	91792	24	463334	8086066	464600
1	91793	193	463565	8088149	464600
1	91794	132	463579	8090144	464600
1	91795	49	463596	8092126	464600
1	91796	476	463743	8094084	464600
1	91797	43	464024	8096142	464600
1	91798	465	464524	8098139	464600
1	91799	217	466966	8098058	466900
1	91800	340	466672	8095450	466900
1	91801		497012	8111723	497000
1	91802		496999	8112775	497000
1	91803		497008	8113509	497000
1	91804		500980	8103302	501000
1	91805		500855	8105120	501000
1	91806		500930	8107222	501000
1	91807		500961	8109174	501000
1	91808		501044	8111171	501000
1	91809		501103	8113370	501000
1	91810		499065	8109141	499000
1	91811		499102	8111235	499000
1	91812		498968	8113320	499000
1	91813		503047	8105459	503000
1	91814		502959	8107637	503000
1	91815		503120	8109552	503000
1	91816		505009	8101747	505000
1	91817		505084	8103529	505000
1	91818		505176	8105565	505000
1	91819		505290	8107500	505000
1	91820		504946	8109655	505000
1	91821		507036	8105615	507000
1	91822		507001	8107491	507000
1	91823		507013	8109541	507000
1	91824		508991	8122215	509000
1	91825		509173	8124223	509000
1	91826		509009	8126198	509000
1	91827		509026	8102257	509000
1	91828		508884	8104086	509000
1	91829		508993	8106162	509000
1	91830		509018	8108027	509000
1	91831		509048	8110110	513000
1	91832		512992	8101098	513000
1	91833		512796	8103088	513000
1	91834		512537	8105157	513000

1	91835			512576	8107065	513000
1	91836			512970	8109140	513000
1	91837			513149	8111037	513000
1	91838			513299	8113214	513000
1	91839			513380	8115035	513000
1	91840			513149	8117198	513000
1	91841			513240	8119212	513000
1	91842			513034	8121143	513000
1	91843			511047	8101109	511000
1	91844			510909	8103206	511000
1	91845			510832	8104961	511000
1	91846			510754	8106992	511000
1	91847			510405	8108844	511000
1	91848			510432	8110963	511000
1	91849			510352	8112803	511000
1	91850			510300	8114961	511000
1	91851			510320	8117002	511000
1	91852			510348	8118918	511000
1	91853			510377	8120804	511000
1	91854			510572	8122817	511000
1	91855			510634	8124823	511000
1	91856	136		466634	8093520	466900
1	91857	377		466419	8091327	466900
1	91858	214		466379	8089520	466900
1	91859	411		466322	8087277	466900
1	91860	180		466262	8085476	466900
1	91861	394		466366	8083430	466900
1	91862	420		466338	8081428	466900
1	91863	81		466190	8079540	466900
1	91864	44		466160	8077544	466900
1	91865	466		466081	8075420	466900
1	91866	47		466151	8073435	466900
1	91867	133		465986	8071332	466900
1	91868	106		466102	8069409	466900
1	91869	101		466227	8096142	466900
1	91870	405		466317	8065360	466900
1	91871	400		466693	8063267	466900
1	91872	50		467019	8061506	466900
1	91901	2000	Green	469146	8061066	469200
1	91902	1999	Green	469213	8063186	469200
1	91903	1998	Green	469275	8065247	469200
1	91904	1997	Green	469239	8067237	469200
1	91905	1996	Green	469183	8069026	469200
1	91906	1995	Green	469229	8071118	469200
1	91907	1994	Green	469404	8072945	469200
1	91908	1993	Green	469429	8074922	469200
1	91909	1970	Green	469312	8077086	469200
1	91910	1969	Green	469158	8079200	469200
1	91911	1968	Green	469226	8081149	469200
1	91912	1980	Green	469279	8090108	469200
1	91913	1979	Green	469077	8092229	469200
1	91914	1978	Green	469181	8094342	469200
1	91915	1977	Green	469196	8096171	469200
1	91916	1976	Green	469135	8098144	469200
1	91917	1975	Green	471576	8090161	471550

1	91918	1974	Green	471552	8092162	471550
1	91919	1972	Green	471492	8094215	471550
1	91920	1971	Green	471499	8096173	471550
1	91921	1967	Green	471545	8098142	471550
1	91922	1990	Green	471555	8061496	471550
1	91923	1989	Green	471470	8062869	471550
1	91924	1988	Green	471366	8064917	471550
1	91925	1987	Green	471393	8066890	471550
1	91926	1986	Green	471125	8069038	471550
1	91927	1985	Green	471089	8071024	471550
1	91928	1984	Green	471329	8073075	471550
1	91929	1983	Green	471394	8074910	471550
1	91930	1982	Green	471580	8077065	471550
1	91931	1981	Green	476493	8079139	476500
1	91932	1960	Green	476255	8081152	476500
1	91933	1959	Green	476308	8082923	476500
1	91934	1958	Green	476590	8085158	476500
1	91935	1957	Green	476578	8087188	476500
1	91936	1956	Green	476502	8089218	476500
1	91937	1955	Green	473855	8084207	473850
1	91938	1954	Green	473919	8086132	473850
1	91939	1953	Green	473748	8088119	473850
1	91940	1952	Green	473840	8090165	473850
1	91941	1951	Green	473802	8092097	473850
1	91942	1940	Green	473719	8094122	473850
1	91943	1939	Green	473714	8096073	473850
1	91944	1938	Green	473821	8098144	473850
1	91945	1937	Green	473862	8067661	473850
1	91946	1936	Green	473901	8065563	473850
1	91947	1935	Green	476611	8067683	476500
1	91948	1934	Green	476690	8065435	476500
1	91949	1933	Green	476858	8063309	476500
1	91950	1932	Green	476560	8061509	476500
1	200001	2255	2218	490713	8079696	490700
1	200002	2343	2447	490693	8079278	490700
1	200003	2297	2296	490685	8078734	490700
1	200004	2482	2484	490638	8078225	490700
1	200005	2013	2274	490755	8077740	490700
1	200006	2144	2146	490748	8077241	490700
1	200007	2323	2328	490738	8076732	490700
1	200008	2344	2342	490697	8076240	490700
1	200009	2445	2441	490689	8075768	490700
1	200010	2300	2294	490773	8075238	490700
1	200011	2262	2267	490735	8074765	490700
1	200012	2155	2291	490756	8074244	490700
1	200013	2143	2150	490787	8073728	490700
1	200014	2449	2443	490747	8073274	490700
1	200015	2486	2490	490684	8072742	490700
1	877751	2052	2055	506959	8136178	507000
1	877752	2041	2053	507000	8135731	507000
1	877753	2072	2161	507023	8135303	507000
1	877754	2062	2061	506994	8134724	507000
1	877755	2184	2189	507017	8134215	507000
1	877756	2084	2056	506984	8133742	507000
1	877757	2098	2082	507017	8133228	507000

1	877758	2100	2116	506941	8132711	507000
1	877759	2190	2038	506792	8132209	507000
1	877760	2114	2118	506987	8131699	507000
1	877761	2008	2010	506983	8131194	507000
1	877762	2200	2196	507001	8130710	507000
1	877763	2054	2081	506995	8130206	507000
1	877764	363	368	507017	8129748	507000
1	877765	100	376	506903	8129206	507000
1	877766	317	183	506973	8128705	507000
1	877767	75	131	507088	8128205	507000
1	877768	302	306	506986	8127733	507000
1	877769	1626	1709	511016	8141101	511000
1	877770	1972	1971	510942	8140763	511000
1	877771	1955	1952	510883	8140246	511000
1	877772	1976	1977	510933	8139760	511000
1	877773	1578	1757	510843	8139255	511000
1	877774	371	339	511030	8138781	511000
1	877775	228	261	511012	8138284	511000
1	877776	500	497	510966	8137821	511000
1	877777	337	338	510901	8137209	511000
1	877778	493	494	510838	8136673	511000
1	877779	211	386	510956	8136210	511000
1	877780	94	97	511081	8135807	511000
1	877781	182	88	511049	8135199	511000
1	877782	2466	2333	510951	8134650	511000
1	877783	1673	1926	511045	8134224	511000
1	877784	349	342	511013	8133697	511000
1	877785	143	146	510984	8133221	511000
1	877786	2459	2340	510808	8132594	511000
1	877787	134	474	511000	8132197	511000
1	877788	289	264	510986	8131679	511000
1	877789	2304	2283	502977	8131221	503000
1	877790	2479	2326	502947	8130741	503000
1	877791	2471	2491	502745	8130208	503000
1	877792	2073	2168	502773	8129674	503000
1	877793	2087	2057	502818	8129156	503000
1	877794	2162	2492	502974	8128706	503000
1	877795	2076	2074	502960	8128105	503000
1	877796	2349	2077	502996	8127639	503000
1	877797	2411	2403	502986	8127209	503000
1	877798	2406	2409	502959	8126696	503000
1	877799	2308	2289	503055	8126170	503000
1	877800	2214	2219	503058	8125693	503000
1	878151	1785	1788	508765	8134670	509000
1	878152	1816	1815	508783	8134138	509000
1	878153	1995	1997	508748	8133661	509000
1	878154	1819	1817	508823	8133186	509000
1	878155	1636	1631	508980	8132667	509000
1	878156	1730	1722	508975	8132150	509000
1	878157	1635	1634	509000	8131699	509000
1	878158	1784	1812	509255	8130267	509000
1	878159	1996	2000	509181	8129728	509000
1	878160	1789	1782	509148	8129216	509000
1	878161	1786	1814	509003	8128686	509000
1	878162	1787	1783	508943	8128120	509000

1	878163	1999	1994	508922	8127648	509000
1	878164	1723	1727	508857	8127247	509000
1	878165	1694	1698	508885	8126665	509000
1	878166	1576	1661	513021	8141257	513000
1	878167	1998	1991	512884	8140706	513000
1	878168	1974	1975	512870	8140254	513000
1	878169	1960	1959	512844	8139690	513000
1	878170	1957	1886	512855	8139168	513000
1	878171	1577	1752	512844	8138715	513000
1	878172	1921	1922	513038	8138125	513000
1	878173	2269	2268	513083	8137673	513000
1	878174	1930	1888	513152	8137202	513000
1	878175	1901	1899	513037	8136701	513000
1	878176	1739	1872	513035	8136171	513000
1	878177	1945	1929	513012	8135595	513000
1	878178	1882	1671	512740	8134540	513000
1	878179	2264	1573	512696	8134184	513000
1	878180	2229	2243	498999	8131228	499000
1	878181	2341	2278	498929	8130726	499000
1	878182	2185	2043	499029	8130184	499000
1	878183	2251	2275	499120	8129725	499000
1	878184	2050	2090	498982	8129264	499000
1	878185	2248	2215	498866	8128685	499000
1	878186	2309	2211	498957	8128232	499000
1	878187	2285	2286	498971	8127760	499000
1	878188	2115	2120	499005	8127247	499000
1	878189	2281	2305	499042	8126750	499000
1	878190	2136	2188	500994	8126656	501000
1	878191	2376	2401	500978	8127151	501000
1	878192	2250	2246	500959	8127686	501000
1	878193	2240	2235	500948	8128178	501000
1	878194	2192	2193	501016	8128729	501000
1	878195	2089	2183	501028	8129238	501000
1	878196	2260	2252	501047	8129651	501000
1	878197	2111	2119	500911	8130198	501000
1	878198	2288	2282	500939	8130632	501000
1	878199	2287	2310	501014	8131229	501000
1	886901	1561	1542	499013	8141158	499000
1	886902	1779	1763	498938	8140699	499000
1	886903	1575	1588	498956	8140200	499000
1	886904	1756	1759	498954	8139722	499000
1	886905	1684	1663	498952	8139197	499000
1	886906	1866	1870	498968	8138715	499000
1	886907	1832	1654	498969	8138240	499000
1	886908	1780	1774	498960	8137712	499000
1	886909	1802	1810	499025	8137209	499000
1	886910	1719	1720	499015	8136780	499000
1	886911	1804	1803	499008	8136232	499000
1	886912	1714	1806	499050	8135727	499000
1	886913	1860	1854	498986	8135231	499000
1	886914	1717	1711	498953	8134727	499000
1	886915	1734	1732	499001	8134266	499000
1	886916	1918	1917	498982	8133745	499000
1	886917	1912	1916	499017	8133232	499000
1	886918	1560	1619	499025	8132729	499000

1	886919	1597	1594	499002	8132180	499000
1	886920	1618	1614	499010	8131703	499000
1	886921	1670	1667	503090	8141229	503000
1	886922	1844	1842	502940	8140761	503000
1	886923	1883	1841	502965	8140204	503000
1	886924	1821	1681	502910	8139747	503000
1	886925	1825	1826	502932	8139204	503000
1	886926	1973	1593	502991	8138747	503000
1	886927	1689	1849	502999	8138253	503000
1	886928	1579	1885	502984	8137756	503000
1	886929	1845	1850	502971	8137191	503000
1	886930	1890	1884	502980	8136713	503000
1	886931	1887	1687	503000	8136254	503000
1	886932	1800	1755	502967	8135726	503000
1	886933	1822	1829	503005	8135231	503000
1	886934	1688	1682	502957	8134713	503000
1	886935	1823	1827	503007	8134222	503000
1	886936	1830	1824	502972	8133747	503000
1	886937	1686	1690	502985	8133268	503000
1	886938	1751	1758	502938	8132742	503000
1	886939	1828	1847	502857	8132252	503000
1	886940	1792	1683	502913	8131733	503000
1	886941	1820	1831	506967	8141191	507000
1	886942	1744	1903	506994	8140718	507000
1	886943	1729	1728	506954	8140237	507000
1	886944	1642	1650	506988	8139744	507000
1	886945	1638	1640	506969	8139276	507000
1	886946	1813	1781	506979	8138721	507000
1	886947	1790	1691	506989	8138354	507000
1	886948	1726	1725	506958	8137718	507000
1	886949	2060	2058	506950	8137231	507000
1	886950	2094	2101	506889	8136702	507000
1	887451	1879	1875	500846	8139668	501000
1	887452	1848	1927	500903	8139210	501000
1	887453	1587	1585	500982	8138721	501000
1	887454	1801	1809	500832	8138169	501000
1	887455	1840	1837	500746	8137706	501000
1	887456	1645	1641	500769	8137172	501000
1	887457	1613	1620	500907	8136698	501000
1	887458	1653	1737	500946	8136179	501000
1	887459	1581	1586	501007	8135697	501000
1	887460	1913	1911	501005	8135158	501000
1	887461	1600	1716	500991	8134698	501000
1	887462	1990	1988	500947	8134147	501000
1	887463	1713	1582	500922	8133696	501000
1	887464	1915	1919	500988	8133187	501000
1	887465	1808	1712	500971	8132690	501000
1	887466	1983	1868	500931	8132187	501000
1	887467	1770	1767	501010	8131698	501000
1	887468	1574	1760	504995	8141194	505000
1	887469	1624	1863	505040	8140691	505000
1	887470	1707	1621	505161	8140191	505000
1	887471	1754	1664	505231	8139693	505000
1	887472	1950	1947	505143	8139155	505000
1	887473	1980	1793	505121	8138679	505000

1	887474	1627	1701	505011	8138211	505000
1	887475	2092	2097	504978	8137712	505000
1	887476	2017	2016	505041	8137145	505000
1	887477	2015	2197	505034	8136684	505000
1	887478	2006	2012	505000	8136241	505000
1	887479	2104	2095	504784	8135695	505000
1	887480	2133	2108	504605	8135164	505000
1	887481	356	191	504504	8134641	505000
1	887482	2002	2005	504755	8134124	505000
1	887483	2088	2059	504911	8133672	505000
1	887484	2182	2045	504960	8133168	505000
1	887485	2187	2259	504870	8132646	505000
1	887486	2099	2105	504846	8132163	505000
1	887487	2122	2125	504999	8131695	505000
1	887488	1811	1818	509047	8141211	509000
1	887489	1695	1692	509009	8140698	509000
1	887490	1794	1799	508972	8140195	509000
1	887491	1910	1905	508877	8139700	509000
1	887492	1796	1791	509014	8139184	509000
1	887493	1633	1700	508953	8138682	509000
1	887494	1951	1954	508916	8138182	509000
1	887495	345	348	508871	8137701	509000
1	887496	303	267	508766	8137159	509000
1	887497	365	362	508715	8136701	509000
1	887498	346	135	508784	8136190	509000
1	887499	369	367	508787	8135695	509000
1	887500	304	305	508714	8135149	509000
1	887863	2091	2093	502946	8125146	503000
1	887864	2306	2303	502876	8124701	503000
1	887865	2228	2230	502840	8124200	503000
1	887866	2037	2257	502822	8123677	503000
1	887867	2102	2109	502873	8123201	503000
1	887868	2222	2226	502889	8122692	503000
1	887869	2044	2244	502963	8122198	503000
1	887870	2121	2302	503001	8121696	503000
1	887871	2128	2169	502981	8121253	503000
1	887872	2256	2247	494700	8079771	494700
1	887873	2435	2433	494664	8079187	494700
1	887874	2023	2295	494588	8078647	494700
1	887875	2070	2067	494619	8078197	494700
1	887876	2440	2489	494569	8077682	494700
1	887877	2042	2049	494478	8077157	494700
1	887878	2307	2301	494494	8076721	494700
1	887879	2238	2239	494511	8076197	494700
1	887880	2201	2152	494637	8075706	494700
1	887881	2029	2145	494676	8075200	494700
1	887882	2171	2348	494700	8074468	494700
1	887883	2028	2298	494687	8074193	494700
1	887884	2158	2154	494680	8073680	494700
1	887885	2207	2261	494616	8073136	494700
1	887886	2474	2434	494688	8072671	494700
1	887887	2325	2378	496875	8077340	496800
1	887888	2415	2280	496743	8076792	496800
1	887889	2375	2418	496733	8076299	496800
1	887890	2110	2107	497737	8075802	496800

1	887891	2422	2426	496745	8075305	496800
1	887892	2414	2284	496775	8074798	496800
1	887893	2427	2380	496775	8074299	496800
1	887894	2026	2022	496707	8073866	496800
1	887895	2493	2373	496863	8073103	496800
1	887896	2299	2292	496760	8072794	496800
1	887897	2177	2179	496703	8072288	496800
1	887898	2439	2272	496698	8071808	496800
1	887899	2160	2263	496749	8071288	496800
1	887900	2402	2405	496924	8070663	496800
1	887951	1666	1572	486991	8138900	487000
1	887952	1539	1531	487078	8139459	487000
1	887953	1861	1867	487026	8139960	487000
1	887954	1533	1535	487013	8140422	487000
1	887955	1987	1925	486980	8140956	487000
1	887956	1982	1981	487015	8141228	487000
1	887957	1595	1532	488990	8141140	489000
1	887958	1984	1928	488999	8140700	489000
1	887959	1992	1993	489101	8140169	489000
1	887960	1941	1942	489091	8139663	489000
1	887961	1747	1902	489201	8139179	489000
1	887962	1649	1897	489008	8138683	489000
1	887963	1956	1953	489146	8138122	489000
1	887964	1943	1909	488991	8137507	489000
1	887965	1648	1643	489024	8137188	489000
1	887966	1534	1644	489035	8136679	489000
1	887967	1538	1536	489026	8136143	489000
1	887968	1724	1721	495000	8141199	495000
1	887969	1589	1592	495007	8140720	495000
1	887970	1761	1764	495003	8140213	495000
1	887971	1985	1989	495012	8139714	495000
1	887972	1590	1651	495031	8139197	495000
1	887973	1583	1584	494989	8138705	495000
1	887974	1616	1736	494976	8138212	495000
1	887975	1697	1696	495033	8137706	495000
1	887976	1612	1554	495091	8137205	495000
1	887977	1646	1898	495031	8136700	495000
1	887978	1680	1678	494973	8136210	495000
1	887979	1894	1893	494962	8135592	495000
1	887980	1746	1748	494961	8135198	495000
1	887981	1745	1750	495108	8134684	495000
1	887982	1743	1749	494927	8134182	495000
1	887983	1657	1652	494840	8133684	495000
1	887984	1833	1838	495027	8133200	495000
1	887985	1741	1742	495092	8132601	495000
1	887986	1679	1672	495022	8132158	495000
1	887987	1699	1693	494997	8131712	495000
1	887988	1545	1544	497000	8131700	497000
1	887989	1565	1570	496994	8132176	497000
1	887990	1765	1859	496983	8132688	497000
1	887991	1562	1566	496980	8133202	497000
1	887992	1858	1771	497069	8133728	497000
1	887993	1517	1546	497098	8134202	497000
1	887994	1549	1541	497096	8134723	497000
1	887995	1846	1662	497121	8135212	497000

1	887996	1569	1568	497027	8135700	497000
1	887997	1598	1563	497070	8136226	497000
1	887998	1639	1753	500973	8141142	501000
1	887999	1685	1843	500981	8140701	501000
1	888000	1571	1660	500942	8140198	501000
1	888051	1502	1510	483000	8138900	483000
1	888052	1528	1530	483000	8139400	483000
1	888053	1509	1503	483000	8139900	483000
1	888054	1529	1523	483000	8140400	483000
1	888055	1524	1501	483000	8140900	483000
1	888056	1526	1527	483000	8141200	483000
1	888057	1521	1522	485000	8141200	485000
1	888058	1557	1552	485000	8140700	485000
1	888059	1559	1555	485000	8140200	485000
1	888060	1525	1558	485000	8139700	485000
1	888061	1556	1553	485000	8139200	485000
1	888062	1508	1506	485000	8138700	485000
1	888063	1505	1504	485000	8138200	485000
1	888064	1550	1507	485000	8137700	485000
1	888065	1668	1665	485000	8137200	485000
1	888066	1805	1986	485000	8136700	485000
1	888067	1865	1864	485000	8136200	485000
1	888068	1564	1567	485000	8135700	485000
1	888069	1869	1862	485000	8135200	485000
1	888070	1537	1540	485000	8134700	485000
1	888071	1958	1795	491002	8141199	491000
1	888072	1907	1908	491000	8140700	491000
1	888073	1904	1906	491000	8140200	491000
1	888074	1773	1762	491000	8139700	491000
1	888075	1738	1735	491000	8139200	491000
1	888076	1986	1892	491000	8138900	491000
1	888077	1731	1740	493000	8141200	493000
1	888078	1836	1834	493000	8140700	493000
1	888079	1914	1920	493000	8140200	493000
1	888080	1776	1775	493000	8139700	493000
1	888081	1778	1851	493000	8139200	493000
1	888082	1777	1772	493000	8138700	493000
1	888083	1857	1856	493000	8138200	493000
1	888084	1655	1656	493000	8137700	493000
1	888085	1766	1768	493000	8137200	493000
1	888086	1615	1551	493000	8136700	493000
1	888087	1949	1944	493000	8136200	493000
1	888088	1948	1946	493000	8135700	493000
1	888089	1895	1900	493000	8135200	493000
1	888090	1617	1611	493000	8134700	493000
1	888091	1769	1852	496978	8141089	497000
1	888092	1637	1632	496977	8140713	497000
1	888093	1979	1978	496990	8140334	497000
1	888094	1839	1835	496914	8139654	497000
1	888095	1891	1647	496956	8139209	497000
1	888096	1807	1591	496765	8138686	497000
1	888097	1718	1715	496911	8138190	497000
1	888098	1659	1658	496977	8137751	497000
1	888099	1675	1677	496933	8137204	497000
1	888100	1853	1855	496992	8136684	497000

Till samples collected for Twin Mining Corporation by Kennecott (Canada) Exploration Inc. at sites of Fugro 2004 aeromagnetic survey anomalies

SampleID	Project	UTMEast	UTMNorth	Fugro Mag Anomaly/ strength (nT)/# flight lines	Latitude	Longitude	SampleType	MapSheet	Sampled
KD5714	Brodeur	479590	8089855	B1_17 / 5 nT / 2 lines	72.9059	-87.6222	Frost Boil	048B13	4-Aug-04
KD5715	Brodeur	489523	8100032	B1_52 / 10 nT / 3 lines	72.9979	-87.3211	Frost Boil	048B13	4-Aug-04
KD5716	Brodeur	482433	8101906	B1_35 / 7 nT / 3 lines	73.0142	-87.5388	Frost Boil	048C04	4-Aug-04
KD5717	Brodeur	475188	8101196	B1_04 / 5 nT / 3 lines	73.0071	-87.7607	Frost Boil	048C04	4-Aug-04
KD5718	Brodeur	480799	8103107	B1_19 / 8.5 nT / 3 lines	73.0248	-87.5893	Frost Boil	048C04	4-Aug-04
KD5719	Brodeur	480938	8103547	B1_20 / 5.5 nT / 3 lines	73.0288	-87.5851	Frost Boil	048C04	4-Aug-04
KD5720	Brodeur	482227	8105215	B1_29 / 5 nT / 2 lines	73.0438	-87.546	Frost Boil	048C04	4-Aug-04
KD5721	Brodeur	483720	8110614	B1_41 / 8 nT / 3 lines	73.0924	-87.5016	Frost Boil	048C04	4-Aug-04
KD5722	Brodeur	484129	8110359	B1_46 / 5 nT / 5 lines	73.0901	-87.4889	Frost Boil	048C04	4-Aug-04
KD5723	Brodeur	490976	8109958	B1_48 / 12.5 nT / 4 lines	73.0869	-87.278	Frost Boil	048C04	4-Aug-04
KD5724	Brodeur	491176	8109851	B1_49 / 11 nT / 3 lines	73.0859	-87.2718	Frost Boil	048C04	4-Aug-04
KD5727	Brodeur	443611	8123148	B2_03 / 9 nT / 1 line	73.1979	-88.748	Frost Boil	058D01	4-Aug-04
KD5728	Brodeur	461305	8115316	B2_13 / 6 nT / 2 lines	73.1317	-88.1948	Frost Boil	058D01	4-Aug-04

UTM Coordinate System NAD27 Zone 16
Latitude Longitude Coordinate System WGS84

ANNEX 5

Heavy Mineral Concentrate Data for Till Samples

Processed by

Vancouver Indicator Processors Inc. (VIPI)

Jackson Inlet Project - 2004

Brodeur Peninsula, Baffin Island, Nunavut

Vancouver Indicator Processors Inc

HEAVY MINERAL CONCENTRATION PROCEDURES

Concentration of heavy minerals at Vancouver Indicator Processors Inc follows the accompanying flow chart, although these procedures may be varied due to the nature of the sample, or at a client's request. Samples are typically raw tills to 25 kg, field-screened tills or stream sediments. Samples are first **deslimed and disaggregated** in a concrete mixer, and wet screened using 2 mm, 0.86 mm and 0.25 mm screens, and a heavy concentrate is made from the –0.86+0.25mm fraction with a magnet and heavy liquids. This fraction is a good size for indicator mineral observation because it contains a range of sizes from relatively coarse to fine. Kimberlite indicators are often most abundant in the finer grain sizes, but material finer than 0.25 mm is tedious and expensive to examine.

Wet screening is carried out on two single-deck, 30 inch, vibrating, self-cleaning screens manufactured by *Kason Corporation* and operated in tandem, with the underflow from the 0.86 mm screen cascading onto the 0.25 mm screen. The **–0.86+0.25 mm fraction** is dried and a magnetic concentrate is made from it. All other fractions are normally discarded, but any fraction can be retained at the client's request.

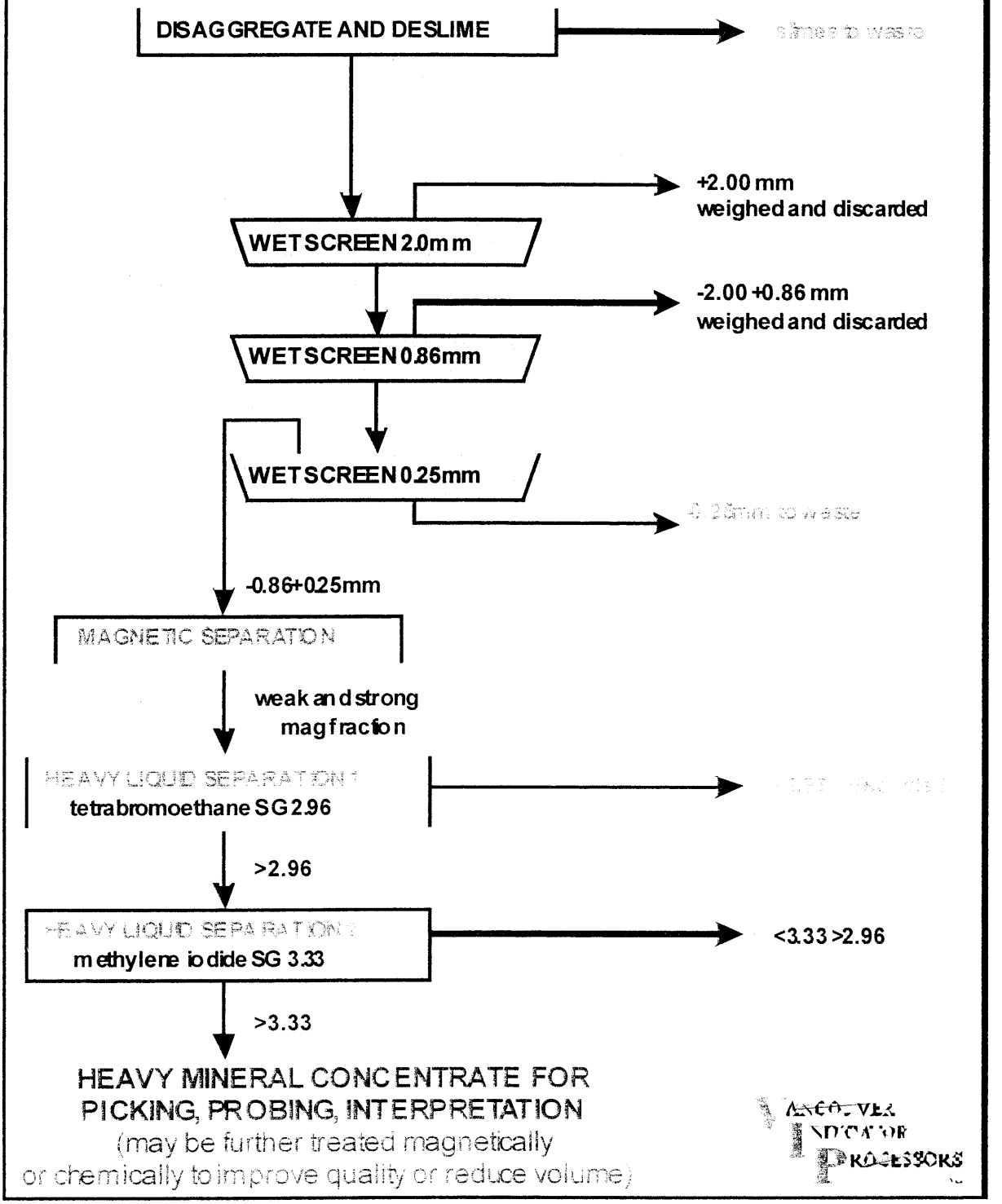
The **magnet** used is a permanent Fe-Nd dry magnetic separator operating at about 2.1 Tesla, and manufactured by *Outukumpu Technology Inc.* The weak and strong magnetic (ferromagnetic and paramagnetic) fractions are combined, and the heavy minerals in this fraction further concentrated by heavy liquids.

Heavy liquid processing, typically on material up to 1 kg, is carried out at the Global Discovery Laboratories of partner Teck Cominco Ltd, using a 2-stage process in which the heavy sink from **tetrabromoethane** (2.96 SG) is further separated in **methylene iodide** (3.33 SG) to produce a concentrate heavier than SG 3.32. Concentrates may be further processed by magnetic or chemical means to reduce concentrate volume , remove limonite, crustal garnets etc.

Heavy concentrates and floats (>2.96<3.32) are sent to various independent groups for microscopic examination and grain analysis as instructed by the client.

VIPI Laboratory Supervisor
P.C.LeCouteur, Ph.D, P.Eng., FGAC

VIPI TILL PROCESSING FLOW CHART



VANCOUVER INDICATOR PROCESSORS INC

Head Office: *Suite 900, 475 Howe St, Vancouver, BC, Canada, V6C 2B3*
tel *(604) 696-9266* ***fax*** *(604) 684-9877*
Contact : Ken Carter or Bob Evans

Laboratory : *Unit 101, 6200 Darnley St, Burnaby, BC, Canada, V5B 3B1*
tel *(604)294-9011,* ***fax*** *(604) 294-9022,* ***email*** *vipi@telus.net*
Contact: Peter Le Couteur or Frank Ferguson

CHARGES FOR HEAVY MINERAL CONCENTRATION

19-Aug-04

STANDARD PROCESSING

Disaggregation and desliming of samples, normally about 25 kg
Wet screening at 2, 0.86 and 0.25 mm
Dry high intensity magnetic concentration of -0.86+0.25 mm fraction
2 stage heavy liquid (TBE & MI) concentration of up to 1 kg magnetic concentrate
Production of **heavy concentrate (>3.32 SG) of size -0.86+0.25 mm** (and float)
Delivery by VIPI staff of concentrate to picker if in Vancouver area
Disposal of all unrequired materials
Report and CD-ROM in *Excel* format of weights of all fractions separated
Description of methods and flow sheet for report purposes **per sample $ 180**

We do not keep any materials except the -0.86+0.25 mm concentrate and float
Other fractions can be stored at the client's request for a nominal charge

OPTIONAL PROCESSING, DONE ONLY AT CLIENT'S REQUEST

Collection, drying and gold and **28 element analysis** of till fines *For geochemical tracing of kimberlite, base or precious metals .*	**$ 15**
Retain and dry the **-0.25 mm** fraction *Principally for fine gold, perhaps also fine kimberlite indicators*	**$ 20**
Stage **crushing** 2-4 kg rock and **extract indicator minerals** *To assess kimberlites or to characterize other contributors of heavy minerals*	**$ 135**
Partial leach and rescreen ferruginous samples , per 100 grams *Can greatly reduce volume of concentrate without affecting kimberlite indicators*	**$ 25**
Separate partial **leach residues** in **MI** *Optional final cleanup of leach residues, may further reduce volume to be picked*	**$ 40**
Additional **magnetic processing** of heavy concentrates *For large concentrates (>20 g) magnetic processing may be useful in reducing or separating samples . Methods include perm-roll and Frantz electromagnets.*	**discuss**

Additional charges that may be incurred*

Per kg oversize sample charge if **average** sample in shipment is **>25 kg**	**$ 4**
Extra funnels of TBE if magnetic concentrate is **>1kg**, per funnel**	**$ 30**
Extra funnels of MI for large samples(**>150 g**), per funnel	**$ 30**
For **small samples** (<150g), **rebate** per sample if only MI is used	**$ 30**
Courier charge if concentrates are sent outside Vancouver	**at cost**

* These additional charges are rarely applied as the equipment is designed to handle quite large samples

** Unless client requests otherwise, where samples are larger than 1 kg only 1 kg will be sent for heavy liquid separation.

Freight costs should be prepaid by client. Collect freight charges will be billed at cost +5%
We request half estimated cost of processing on sample receival, remainder on concentrate delivery

VIPI sample no	3254	3255	3256	3257	3258	3259	3260	3261	3262
-0.86+0.25 mm concentrate no	H04-3282	H04-3283	H04-3284	H04-3285	H04-3286	H04-3287	H04-3288	H04-3289	H04-3290
Client Field no	**90565**	**877762**	**90535**	**90606**	**90532**	**90650**	**90672**	**877758**	**90645**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.05	29.97	32.51	30.62	30.14	28.73	35.61	39.23	30.48
Screening weights									
+0 mm wet kg	18.09	14.96	21.17	16.26	15.41	12.52	10.31	22.71	6.18
-0 mm wet kg	13.16	6.69	7.29	5.92	9.04	7.31	8.10	5.33	18.35
+0.60 mm wet kg	2.24	2.48	2.42	1.61	3.38	1.95	1.95	1.48	3.21
0.86+0.25 mm dry kg	6.13	1.83	2.89	1.21	3.04	2.40	2.63	1.72	6.83
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	42	40	18	9	32	12	28	10	43
Weakly magnetic fraction g	14	16	11	4	18	5	49	4	6
Non magnetic fraction g	6072	1769	2863	1192	2982	2382	2549	1700	6781
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	56.0	56.0	29.0	14.0	51.0	17.0	77.0	15.0	50.0
TBE(<2.96 g/cc) float g	41.3	31.3	21.7	10.6	36.0	12.3	72.6	10.7	16.5
TBE(>2.96 g/cc) sink g	14.7	24.7	7.3	3.4	15.0	4.7	4.4	4.3	33.5
MI (<3.32 g/cc) float g		8.9							7.0
MI(>3.32 g/cc) sink g		16.0							26.7
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3263	3264	3265	3266	3267	3268	3269	3270	3271
-0.86+0.25 mm concentrate no	H04-3291	H04-3292	H04-3293	H04-3294	H04-3295	H04-3296	H04-3297	H04-3298	
Client Field no	**90664**	**887899**	**90710**	**90568**	**887880**	**200015**	**887882**	**887877**	**90678**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.94	30.02	32.11	33.84	33.16	37.39	34.44	31.87	25.95
Screening weights									
[illegible] mm wet kg	16.37	18.27	8.69	13.21	13.81	12.66	19.69	14.97	13.60
[illegible] wet kg	5.42	5.24	10.27	12.56	10.93	7.22	9.56	11.78	4.82
[illegible] mm wet kg	1.96	2.84	2.42	2.58	2.71	3.30	2.62	2.60	0.91
-0.86+0.25 mm dry kg	1.47	1.34	3.25	3.43	3.19	1.83	2.77	3.76	0.87
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	7	8	29	50	31	62	49	66	1
Weakly magnetic fraction g	1	3	21	17	15	14	22	38	0
Non magnetic fraction g	1458	1332	3194	3364	3143	1751	2699	3655	867
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	9.0	11.0	50.0	67.0	46.0	75.0	72.0	104.0	1.2
TBE(<2.96 g/cc) float g	4.6	9.4	38.9	58.3	38.6	61.3	62.4	89.1	
TBE(>2.96 g/cc) sink g	4.4	1.6	11.1	8.7	7.4	13.7	9.6	14.9	
MI (<3.32 g/cc) float g									
MI(>3.32 g/cc) sink g									
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3272	3273	3274	3275	3276	3277	3278	3279	3280
-0.86+0.25 mm concentrate no	H04-3299	H04-3300	H04-3301	H04-3302	H04-3303	H04-3304	H04-3305	H04-3306	H04-3307
Client Field no	**200006**	**887879**	**887889**	**887876**	**90641**	**90674**	**90507**	**90707**	**887894**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.70	31.28	30.67	37.30	32.78	24.72	32.32	32.79	29.37
Screening weights									
+2 mm wet kg	4.29	10.38	11.22	15.06	8.76	8.71	6.80	5.40	5.59
-2 mm wet kg	10.86	9.16	9.73	12.41	10.82	2.29	11.99	8.75	5.59
-2+0.25 mm wet kg	1.30	2.33	1.72	1.96	3.05	2.38	1.78	1.98	0.78
-0.86+0.25 mm dry kg	3.32	2.89	3.33	4.93	2.54	2.75	4.11	2.55	1.57
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	57	38	70	76	18	13	55	28	13
Weakly magnetic fraction g	**44**	**27**	**35**	**24**	**8**	**6**	**45**	**19**	**10**
Non magnetic fraction g	3221	2826	3224	4825	2510	2735	4006	2501	1543
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	101.0	65.0	105.0	100.0	27.0	19.0	100.0	46.0	23.0
TBE(<2.96 g/cc) float g	93.4	58.1	96.3	81.6	19.1	14.5	90.4	37.0	21.1
TBE(>2.96 g/cc) sink g	7.6	6.9	8.7	18.4	7.9	4.5	9.6	9.0	1.9
MI (<3.32 g/cc) float g				7.4					
MI(>3.32 g/cc) sink g				**11.0**					
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3281	3282	3283	3284	3285	3286	3287	3288	3289
-0.86+0.25 mm concentrate no	H04-3308	H04-3309		H04-3310	H04-3311	H04-3312	H04-3313	H04-3314	H04-3315
Client Field no	**200008**	**90506**	**90675**	**90703**	**90558**	**90705**	**90567**	**200012**	**887884**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.45	29.70	27.71	31.01	31.98	27.55	31.18	33.87	30.68
Screening weights									
[illegible] wet kg	8.46	7.59	9.36	8.04	14.85	10.23	10.63	8.70	8.10
[illegible] wet kg	11.45	14.14	7.11	9.48	10.70	8.00	10.30	8.49	10.96
[illegible] wet kg	3.10	1.74	2.07	1.97	3.79	2.52	2.60	2.13	2.19
[illegible] -0.86+0.25 mm dry kg	4.54	4.03	1.29	2.12	3.32	1.51	3.16	2.30	3.47
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	93	52	1	18	99	5	28	27	56
Weakly magnetic fraction g	**39**	**25**	**0**	**5**	**131**	**3**	**24**	**18**	**39**
Non magnetic fraction g	4405	3953	1287	2096	3090	1502	3111	2253	3378
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	132.0	77.0	1.5	23.0	230.0	9.0	52.0	43.0	95.0
TBE(<2.96 g/cc) float g	105.2	67.5		10.5	140.9	6.5	46.7	40.7	87.4
TBE(>2.96 g/cc) sink g	26.8	9.5		12.5	89.1	2.5	5.3	2.3	7.6
MI (<3.32 g/cc) float g	9.7				27.2				
MI(>3.32 g/cc) sink g	**17.1**				**61.9**				
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3290	3291	3292	3293	3294	3295	3296	3297	3298
-0.86+0.25 mm concentrate no		H04-3316	H04-3317	H04-3318	H04-3319	H04-3320	H04-3321	H04-3322	
Client Field no	**90676**	**200013**	**90668**	**90671**	**90555**	**90564**	**90556**	**90559**	**90662**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.79	38.14	26.39	24.92	31.30	33.06	40.42	33.16	22.60
Screening weights									
[illegible] mm wet kg	16.21	12.09	12.53	4.77	9.74	18.90	13.11	12.90	9.69
[illegible] mm wet kg	4.32	1.32	7.71	5.65	11.63	11.53	11.51	9.41	4.99
[illegible] mm wet kg	1.75	0.70	2.65	1.71	3.15	0.86	2.83	2.45	1.34
0.86+0.25 mm dry kg	0.83	0.17	2.10	1.85	3.91	5.09	4.09	3.17	1.09
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	1	6	14	79	44	17	36	30	2
Weakly magnetic fraction g	0	3	3	13	28	6	27	20	1
Non magnetic fraction g	834	164	2084	1757	3834	5070	4025	3124	1091
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	1.1	9.0	17.0	92.0	72.0	22.0	63.0	50.0	2.4
TBE(<2.96 g/cc) float g		7.3	8.9	35.8	60.4	17.6	52.4	42.8	
TBE(>2.96 g/cc) sink g		1.7	8.1	56.2	11.6	4.4	10.6	7.2	
MI (<3.32 g/cc) float g				12.5					
MI(>3.32 g/cc) sink g				46.0					
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3299	3300	3301	3302	3303	3304	3305	3306	3307
-0.86+0.25 mm concentrate no	H04-3323	H04-3324	H04-3325	H04-3326	H04-3327	H04-3328	H04-3329	H04-3330	H04-3331
Client Field no	**90560**	**887886**	**200003**	**90566**	**90562**	**887881**	**90557**	**90514**	**90667**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	28.42	32.44	39.85	32.22	31.50	32.68	31.99	32.47	25.39
Screening weights									
[illegible] mm wet kg	4.51	17.16	8.27	20.94	18.50	9.30	10.86	11.41	13.95
[illegible] mm wet kg	2.28	11.59	7.13	9.46	11.93	10.00	10.51	11.12	6.63
[illegible] mm wet kg	0.78	3.31	0.68	3.04	1.83	2.30	2.25	2.54	3.08
[illegible] 0.25 mm dry kg	0.42	4.69	0.97	3.54	5.93	2.76	3.39	3.69	1.89
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	4	41	17	35	40	50	45	136	22
Weakly magnetic fraction g	2	17	10	20	16	47	37	62	19
Non magnetic fraction g	412	4633	939	3483	5870	2662	3311	3492	1844
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	6.0	58.0	27.0	55.0	57.0	96.0	81.0	198.0	41.0
TBE(<2.96 g/cc) float g	5.2	52.2	23.6	46.8	43.2	91.4	72.5	182.6	30.0
TBE(>2.96 g/cc) sink g	0.8	5.8	3.4	8.2	13.8	4.6	8.5	15.4	11.0
MI (<3.32 g/cc) float g								5.2	
MI(>3.32 g/cc) sink g								10.1	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3308	3309	3310	3311	3312	3313	3314	3315	3316
-0.86+0.25 mm concentrate no	H04-3332	H04-3333	H04-3334	H04-3335	H04-3336	H04-3337	H04-3338	H04-3339	H04-3340
Client Field no	**887885**	**200002**	**90505**	**90644**	**90515**	**887898**	**90669**	**90503**	**200011**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.17	32.03	34.44	37.55	33.12	31.46	26.55	33.68	32.78
Screening weights									
+2 mm wet kg	19.99	6.44	10.65	11.82	11.33	17.19	16.87	11.88	15.56
[illegible] mm wet kg	12.43	6.92	12.48	13.39	6.16	9.78	4.01	15.03	10.57
[illegible] mm wet kg	4.27	1.53	2.23	3.92	2.25	3.15	1.66	2.52	4.14
-0.86+0.25 mm dry kg	4.90	2.37	4.42	4.29	1.91	4.22	0.89	5.03	3.34
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	95	55	119	39	20	24	10	86	97
Weakly magnetic fraction g	**55**	**43**	**112**	**23**	**16**	**9**	**12**	**29**	**48**
Non magnetic fraction g	4747	2274	4188	4228	1873	4180	873	4912	3192
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	150.0	98.0	230.0	62.0	36.0	33.0	22.0	114.0	145.0
TBE(<2.96 g/cc) float g	133.3	89.5	209.5	46.8	30.8	24.7	18.0	98.0	133.0
TBE(>2.96 g/cc) sink g	16.7	8.5	20.5	15.2	5.2	8.3	4.0	16.0	12.0
MI (<3.32 g/cc) float g	5.1		6.9	2.3				5.4	
MI(>3.32 g/cc) sink g	**11.6**		**13.6**	**12.9**				**10.6**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3317	3318	3319	3320	3321	3322	3323	3324	3325
-0.86+0.25 mm concentrate no	H04-3341	H04-3342	H04-3343	H04-3344	H04-3345	H04-3346	H04-3347	H04-3348	H04-3349
Client Field no	**90502**	**90554**	**90504**	**887896**	**90679**	**200007**	**90509**	**887873**	**887891**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	34.84	37.94	27.51	33.30	27.03	28.82	36.29	35.39	31.17
Screening weights									
[illegible] mm wet kg	13.46	8.79	8.26	15.74	8.88	7.09	13.12	15.91	12.90
[illegible] mm wet kg	14.67	16.90	13.90	16.73	4.40	14.07	16.92	14.19	12.87
[illegible] mm wet kg	3.80	2.67	1.86	4.92	0.83	2.69	2.22	2.44	2.37
-0.86+0.25 mm dry kg	5.44	6.05	4.67	7.57	1.08	4.63	5.16	5.07	3.69
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	164	42	59	53	5	73	60	62	39
Weakly magnetic fraction g	**160**	**27**	**34**	**28**	**1**	**31**	**31**	**31**	**21**
Non magnetic fraction g	5117	5978	4569	7481	1079	4524	5071	4973	3630
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	324.0	69.0	94.0	81.0	6.0	103.0	90.0	93.0	60.0
TBE(<2.96 g/cc) float g	300.8	61.4	83.1	72.4	4.0	86.9	78.9	78.7	52.7
TBE(>2.96 g/cc) sink g	23.2	7.6	10.9	8.6	2.0	16.1	11.1	14.3	7.3
MI (<3.32 g/cc) float g	7.2					7.1			
MI(>3.32 g/cc) sink g	**16.1**					**9.0**			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3326	3327	3328	3329	3330	3331	3332	3333	3334
-0.86+0.25 mm concentrate no	H04-3350	H04-3351	H04-3352	H04-3353	H04-3354	H04-3355	H04-3356	H04-3357	H04-3358
Client Field no	**887875**	**90501**	**887895**	**887887**	**90561**	**200004**	**200010**	**887888**	**90572**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	31.30	37.11	32.62	31.30	29.28	29.27	31.38	28.79	37.69
Screening weights									
[illegible] mm wet kg	12.74	13.53	13.70	9.46	8.03	6.22	0.91	11.27	8.78
[illegible] mm wet kg	12.53	14.89	14.34	5.91	3.52	9.77	11.43	12.11	23.75
[illegible] mm wet kg	2.50	3.01	3.02	1.29	0.82	0.98	0.27	2.58	1.37
0.86+0.25 mm dry kg	3.45	5.13	6.10	1.18	1.13	2.80	2.57	3.31	6.21
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	34	76	49	17	17	53	21	60	62
Weakly magnetic fraction g	**11**	**35**	**20**	**16**	**23**	**38**	**11**	**33**	**23**
Non magnetic fraction g	3403	5017	6032	1152	1086	2710	2541	3220	6126
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	44.0	112.0	69.0	33.0	40.0	91.0	33.0	93.0	85.0
TBE(<2.96 g/cc) float g	35.7	90.0	49.6	29.4	38.1	85.5	29.9	80.8	70.2
TBE(>2.96 g/cc) sink g	8.3	22.0	19.4	3.6	1.9	5.5	3.1	12.2	14.8
MI (<3.32 g/cc) float g		6.7	4.3						
MI(>3.32 g/cc) sink g		**15.3**	**15.1**						
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3335	3336	3337	3338	3339	3340	3341	3342	3343
-0.86+0.25 mm concentrate no	H04-3359	H04-3360	H04-3361	H04-3362	H04-3363	H04-3364	H04-3365	H04-3366	H04-3367
Client Field no	**90666**	**90570**	**90510**	**887883**	**887897**	**90551**	**887874**	**887892**	**200014**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.12	31.38	29.51	30.27	32.86	32.07	32.78	32.47	30.81
Screening weights									
[illegible] mm wet kg	11.56	9.88	7.50	5.68	24.51	22.05	11.38	13.65	10.51
[illegible] mm wet kg	7.37	3.90	13.54	12.83	7.72	6.56	5.74	11.49	8.07
[illegible] mm wet kg	2.22	1.46	2.17	1.58	2.95	1.75	1.90	2.37	1.88
0.86+0.25 mm dry kg	2.02	1.21	4.06	3.18	2.93	1.84	1.49	3.16	2.92
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	16	90	36	67	9	19	54	38	51
Weakly magnetic fraction g	7	39	23	53	2	10	38	14	57
Non magnetic fraction g	2001	1082	4004	3062	2920	1813	1393	3103	2814
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	24.0	129.0	59.0	121.0	11.0	29.0	92.0	52.0	109.0
TBE(<2.96 g/cc) float g	17.3	121.0	54.4	110.3	6.4	26.8	82.9	44.2	102.4
TBE(>2.96 g/cc) sink g	6.7	8.0	4.6	10.7	4.6	2.2	9.1	7.8	6.6
MI (<3.32 g/cc) float g									
MI(>3.32 g/cc) sink g									
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3344	3345	3346	3347	3348	3349	3350	3351	3352
-0.86+0.25 mm concentrate no	H04-3368	H04-3369	H04-3370	H04-3371	H04-3372	H04-3373	H04-3374	H04-3375	H04-3376
Client Field no	**90508**	**90513**	**90569**	**90512**	**878194**	**90617**	**90523**	**90619**	**878186**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	34.83	35.40	33.26	33.31	32.68	27.94	24.69	24.05	42.69
Screening weights									
[illegible] mm wet kg	8.64	6.65	18.67	13.84	15.64	8.24	9.11	12.18	13.98
[illegible] mm wet kg	15.81	15.50	11.09	11.26	4.45	8.02	6.83	3.97	8.32
[illegible] mm wet kg	2.49	2.39	2.76	3.96	1.29	2.08	2.43	1.75	2.64
-0.86+0.25 mm dry kg	4.25	4.54	3.97	3.45	1.43	2.45	1.67	1.11	3.02
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	48	82	65	63	13	31	6	26	33
Weakly magnetic fraction g	**22**	**50**	**24**	**18**	**12**	**12**	**2**	**21**	**6**
Non magnetic fraction g	4180	4404	3883	3372	1406	2411	1660	1061	2983
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	70.0	133.0	89.0	81.0	25.0	43.0	8.0	46.0	39.0
TBE(<2.96 g/cc) float g	59.4	123.3	70.4	68.0	18.0	35.8	5.3	34.6	15.0
TBE(>2.96 g/cc) sink g	10.6	9.7	18.6	13.0	7.0	7.2	2.7	11.4	24.0
MI (<3.32 g/cc) float g			6.9						4.9
MI(>3.32 g/cc) sink g			**11.7**						**19.2**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04	21-Oct-04

VIPI sample no	3353	3354
-0.86+0.25 mm concentrate no	H04-3377	H04-3378
Client Field no	**90611**	**877793**
Client	Twin Mining	Twin Mining
As-received wt kg	30.60	35.09
Screening weights		
+2 mm wet kg	9.03	17.33
-2 mm wet kg	14.45	7.27
-2+0.86 mm wet kg	3.23	1.55
-0.86+0.25 mm dry kg	4.58	2.47
Magnetic Processing -0.86+0.25 mm		
Strongly magnetic fraction g	37	17
Weakly magnetic fraction g	17	7
Non magnetic fraction g	4519	2446
Heavy Liquid processing -0.86+.25mm		
Start weight for heavy liquids g	54.0	24.0
TBE(<2.96 g/cc) float g	43.3	16.4
TBE(>2.96 g/cc) sink g	10.7	7.6
MI (<3.32 g/cc) float g		
MI(>3.32 g/cc) sink g		
Work record		
Date sample received	28-Sep-04	28-Sep-04
Date concentrate shipped	21-Oct-04	21-Oct-04

VIPI sample no	3355	3356	3357	3358	3359	3360	3361	3362	3363
-0.86+0.25 mm concentrate no	H04-3821	H04-3822	H04-3823	H04-3824	H04-3825		H04-3826	H04-3827	H04-3828
Client Field no	**886940**	**886932**	**886925**	**886927**	**887870**	**886905**	**877773**	**886928**	**90614**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	38.83	34.44	35.24	32.32	38.84	31.69	42.81	38.84	25.75
Screening weights									
+2 mm wet kg	14.90	11.45	16.45	14.46	12.05	13.38	12.45	11.58	9.39
-2+0.86 mm wet kg	10.41	10.04	8.53	10.03	13.85	7.44	7.93	11.40	6.73
-0.86+0.25 mm wet kg	3.84	2.66	2.62	4.13	3.91	1.57	2.97	2.58	2.00
-0.86+0.25 mm dry kg	3.24	2.37	1.74	2.43	4.40	1.06	2.50	2.88	1.99
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	30	14	7	20	50	3	27	17	10
Weakly magnetic fraction g	6	3	3	9	20	0	10	3	3
Non magnetic fraction g	3200	2347	1727	2396	4328	1052	2465	2863	1978
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	36.0	18.0	10.0	29.0	70.0	3.1	37.0	21.0	13.0
TBE(<2.96 g/cc) float g	18.4	8.8	6.6	15.1	38.2		26.2	12.7	9.1
TBE(>2.96 g/cc) sink g	17.6	9.2	3.4	13.9	31.8		10.8	8.3	3.9
MI (<3.32 g/cc) float g	8.3				4.9				
MI(>3.32 g/cc) sink g	9.2				26.9				
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3364	3365	3366	3367	3368	3369	3370	3371	3372
-0.86+0.25 mm concentrate no	H04-3829	H04-3830	H04-3831	H04-3832		H04-3833	H04-3834	H04-3835	H04-3836
Client Field no	**886939**	**887999**	**887471**	**878166**	**886923**	**886924**	**90685**	**887474**	**90820**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.49	37.91	34.23	42.62	26.73	33.45	36.50	39.71	20.99
Screening weights									
[illegible] mm wet kg	10.15	19.96	10.01	15.53	11.91	10.11	18.44	18.54	9.57
[illegible] mm wet kg	9.90	10.36	6.78	14.92	6.37	7.16	8.33	8.99	5.88
[illegible] mm wet kg	3.23	3.25	1.88	2.70	1.82	2.87	2.36	2.39	2.32
-0.86+0.25 mm dry kg	2.81	4.37	2.03	3.64	1.16	2.28	2.35	2.60	1.85
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	23	32	13	37	3	12	9	24	10
Weakly magnetic fraction g	6	8	5	18	1	3	5	12	6
Non magnetic fraction g	2779	4325	2014	3578	1160	2263	2333	2559	1831
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	29.0	40.0	18.0	56.0	3.7	14.0	14.0	36.0	16.0
TBE(<2.96 g/cc) float g	11.2	23.3	10.3	44.2		5.5	10.2	22.9	13.2
TBE(>2.96 g/cc) sink g	17.8	16.7	7.7	11.8		8.5	3.8	13.1	2.8
MI (<3.32 g/cc) float g	3.5	4.5							
MI(>3.32 g/cc) sink g	14.4	12.2							
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3373	3374	3375	3376	3377	3378	3379	3380	3381
-0.86+0.25 mm concentrate no	H04-3837	H04-3838		H04-3839	H04-3840	H04-3841	H04-3842	H04-3843	H04-3844
Client Field no	**878167**	**886936**	**90816**	**886937**	**90764**	**91653**	**886933**	**91625**	**886922**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	43.07	34.96	23.62	36.85	26.94	34.43	41.37	33.92	33.57
Screening weights									
[illegible] mm wet kg	16.49	16.60	12.43	9.57	10.33	10.10	14.54	13.23	17.10
[illegible] wet kg	7.00	11.37	4.83	15.97	6.60	14.41	13.69	15.58	11.25
[illegible] mm wet kg	2.70	3.69	1.70	2.84	2.68	2.45	4.13	5.19	2.63
0.86+0.25 mm dry kg	1.83	2.42	1.02	3.62	1.81	5.00	3.65	5.15	3.08
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	19	14	3	21	12	65	30	62	40
Weakly magnetic fraction g	5	3	1	12	5	39	9	20	8
Non magnetic fraction g	1807	2403	1011	3585	1795	4893	3606	5063	3027
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	25.0	17.0	4.3	33.0	17.0	104.0	39.0	83.0	49.0
TBE(<2.96 g/cc) float g	16.9	7.2		20.1	12.2	64.0	23.1	44.2	27.7
TBE(>2.96 g/cc) sink g	8.1	9.8		12.9	4.8	40.0	15.9	38.8	21.3
MI (<3.32 g/cc) float g						5.9	3.2	6.1	5.7
MI(>3.32 g/cc) sink g						34.3	12.7	32.7	15.8
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3382	3383	3384	3385	3386	3387	3388	3389	3390
-0.86+0.25 mm concentrate no	H04-3845	H04-3846	H04-3847	H04-3848	H04-3849		H04-3850	H04-3851	H04-3852
Client Field no	**91654**	**91702**	**91652**	**90789**	**886934**	**90962**	**877772**	**91749**	**90970**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.02	30.16	26.61	33.83	42.36	24.17	40.58	30.58	34.65
Screening weights									
[illegible] wet kg	15.57	9.89	14.33	12.01	12.51	0.11	15.21	11.80	8.86
[illegible] wet kg	6.18	9.03	7.59	4.48	10.39	1.63	14.28	11.09	12.99
[illegible] wet kg	2.34	2.02	2.13	2.13	3.38	0.08	4.02	2.28	2.56
-0.86+0.25 mm dry kg	1.63	2.00	2.28	1.12	2.20	0.08	3.88	2.65	4.77
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	10	27	18	32	13	3	45	28	47
Weakly magnetic fraction g	3	9	9	2	4	2	18	12	11
Non magnetic fraction g	1617	1962	2257	1081	2185	72	3815	2606	4706
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	13.0	36.0	27.0	35.0	16.0	4.8	64.0	41.0	59.0
TBE(<2.96 g/cc) float g	6.0	23.8	14.1	12.2	8.6		49.0	26.0	32.9
TBE(>2.96 g/cc) sink g	7.0	12.2	12.9	22.8	7.4		15.0	15.0	26.1
MI (<3.32 g/cc) float g				5.4					9.0
MI(>3.32 g/cc) sink g				17.6					17.1
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3391	3392	3393	3394	3395	3396	3397	3398	3399
-0.86+0.25 mm concentrate no	H04-3853	H04-3854	H04-3855	H04-3856		H04-3857	H04-3858	H04-3859	H04-3860
Client Field no	**91619**	**91618**	**91643**	**91621**	**887959**	**91662**	**887480**	**91703**	**90861**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.43	36.26	39.72	33.63	31.36	43.47	37.75	33.84	23.61
Screening weights									
[illegible] wet kg	11.10	8.65	14.26	8.74	11.12	13.51	11.27	8.84	13.94
[illegible] wet kg	10.83	18.46	13.59	15.64	5.61	20.05	9.38	9.41	4.99
[illegible] wet kg	2.55	6.56	3.60	4.43	1.35	4.21	1.13	2.29	2.34
-0.86+0.25 mm dry kg	2.96	6.70	3.84	4.11	1.29	6.25	1.28	2.74	0.95
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	20	35	43	55	2	68	6	66	26
Weakly magnetic fraction g	5	10	15	22	1	25	2	35	5
Non magnetic fraction g	2937	6657	3784	4037	1291	6156	1273	2643	920
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	25.0	45.0	58.0	77.0	2.0	94.0	8.0	101.0	30.0
TBE(<2.96 g/cc) float g	15.8	26.0	41.4	44.1		72.4	5.2	96.2	18.7
TBE(>2.96 g/cc) sink g	9.2	19.0	16.6	32.9		21.6	2.8	4.8	11.3
MI (<3.32 g/cc) float g		3.0	3.0	4.9		5.1			
MI(>3.32 g/cc) sink g		16.0	13.6	28.1		16.5			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3400	3401	3402	3403	3404	3405	3406	3407	3408
-0.86+0.25 mm concentrate no	H04-3861		H04-3862	H04-3863	H04-3864	H04-3865	H04-3866	H04-3867	
Client Field no	**91623**	**90804**	**878164**	**888057**	**90696**	**91647**	**91707**	**887974**	**888000**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	24.18	23.25	43.11	27.85	26.54	28.39	24.92	41.64	35.16
Screening weights									
[illegible] wet kg	14.73	13.36	18.81	15.54	15.39	13.29	12.99	18.63	14.45
[illegible] wet kg	7.98	4.06	12.77	8.78	6.15	5.63	4.39	12.06	8.10
[illegible] wet kg	3.25	0.97	3.07	2.20	2.83	2.06	1.78	3.43	2.02
-0.86+0.25 mm dry kg	1.56	0.80	2.69	3.41	1.79	1.39	1.12	3.51	1.33
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	17	4	30	18	27	13	11	11	2
Weakly magnetic fraction g	5	1	10	4	5	4	3	5	1
Non magnetic fraction g	1538	794	2646	3384	1754	1369	1104	3490	1322
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	22.0	5.0	39.0	22.0	32.0	16.0	14.0	15.0	2.1
TBE(<2.96 g/cc) float g	14.4		27.8	8.4	15.6	8.7	8.8	9.5	
TBE(>2.96 g/cc) sink g	7.6		11.2	13.6	16.4	7.3	5.2	5.5	
MI (<3.32 g/cc) float g					4.0				
MI(>3.32 g/cc) sink g					12.5				
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3409	3410	3411	3412	3413	3414	3415	3416	3417
-0.86+0.25 mm concentrate no	H04-3868	H04-3869	H04-3870	H04-3871	H04-3872	H04-3873	H04-3874		H04-3875
Client Field no	**90698**	**887463**	**888062**	**91614**	**878159**	**878153**	**91620**	**888064**	**878162**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	22.17	35.59	43.54	41.03	37.87	40.32	40.41	29.06	42.60
Screening weights									
[illegible] wet kg	12.71	25.54	25.97	18.01	17.76	20.08	16.90	8.44	23.47
[illegible] wet kg	2.87	7.20	17.76	14.02	11.17	10.50	14.78	5.75	10.85
[illegible] wet kg	0.98	2.88	3.44	3.42	3.43	3.59	4.30	1.59	4.46
[illegible] dry kg	0.71	1.63	1.36	3.53	2.88	2.70	4.70	1.37	2.44
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	4	12	8	22	27	25	39	1	29
Weakly magnetic fraction g	2	6	1	9	14	16	15	0	11
Non magnetic fraction g	699	1609	1354	3497	2834	2656	4643	1371	2401
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	6.0	18.0	9.0	31.0	41.0	41.0	55.0	1.5	40.0
TBE(<2.96 g/cc) float g	4.6	9.3	5.4	21.4	31.9	28.0	33.7		30.6
TBE(>2.96 g/cc) sink g	1.4	8.7	3.6	9.6	9.1	13.0	21.3		9.4
MI (<3.32 g/cc) float g							4.3		
MI(>3.32 g/cc) sink g							17.0		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3418	3419	3420	3421	3422	3423	3424	3425	3426
-0.86+0.25 mm concentrate no	H04-3876	H04-3877	H04-3878	H04-3879	H04-3880	H04-3881	H04-3882	H04-3883	H04-3884
Client Field no	**886943**	**888054**	**886944**	**90648**	**888094**	**91704**	**886918**	**888096**	**890909**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	31.81	32.82	39.60	32.15	28.29	32.22	33.36	35.53	23.61
Screening weights									
[illegible] wet kg	12.28	17.88	19.55	7.39	8.68	15.08	10.80	27.72	13.62
[illegible] wet kg	8.00	6.89	6.54	5.31	8.08	10.92	8.79	7.87	5.11
[illegible] wet kg	1.63	3.02	2.89	2.05	2.13	3.23	1.80	3.46	2.69
[illegible] 25 mm dry kg	2.38	1.55	1.94	1.52	2.27	2.46	2.00	1.58	1.16
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	11	5	10	7	6	32	5	5	8
Weakly magnetic fraction g	4	0	3	1	1	11	2	1	2
Non magnetic fraction g	2362	1547	1926	1513	2265	2418	1994	1571	1154
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	16.0	6.0	14.0	9.0	8.0	43.0	6.0	7.0	10.0
TBE(<2.96 g/cc) float g	10.7	3.5	8.3	5.9	4.3	32.5	3.6	3.4	5.9
TBE(>2.96 g/cc) sink g	5.3	2.5	5.7	3.1	3.7	10.5	2.4	3.6	4.1
MI (<3.32 g/cc) float g									
MI(>3.32 g/cc) sink g									
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3427	3428	3429	3430	3431	3432	3433	3434	3435
-0.86+0.25 mm concentrate no	H04-3885	H04-3886	H04-3887	H04-3888	H04-3889	H04-3890	H04-3891	H04-3892	H04-3893
Client Field no	**877756**	**888078**	**877763**	**878163**	**887977**	**91626**	**878156**	**91637**	**887466**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	41.96	29.71	39.67	44.48	41.10	36.77	43.82	36.04	38.32
Screening weights									
[illegible] wet kg	16.37	9.13	13.60	23.66	19.62	11.39	16.29	7.71	14.56
[illegible] wet kg	10.02	7.44	11.01	11.79	8.89	15.66	13.87	16.47	12.11
[illegible] wet kg	2.95	1.76	3.05	3.98	2.92	4.41	4.57	3.14	3.81
0.86+0.25 mm dry kg	2.92	2.44	3.48	3.14	2.05	5.28	3.14	4.31	3.82
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	31	12	41	25	11	83	27	52	25
Weakly magnetic fraction g	12	2	17	9	3	24	10	23	4
Non magnetic fraction g	2872	2427	3419	3106	2032	5174	3098	4238	3793
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	44.0	15.0	59.0	34.0	14.0	106.0	37.0	75.0	29.0
TBE(<2.96 g/cc) float g	27.8	9.2	47.9	21.8	6.5	55.6	27.9	54.0	13.1
TBE(>2.96 g/cc) sink g	16.2	5.8	11.1	12.2	7.5	50.4	9.1	21.0	15.9
MI (<3.32 g/cc) float g	3.1					8.4		4.6	3.6
MI(>3.32 g/cc) sink g	13.1					42.2		16.4	12.4
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3436	3437	3438	3439	3440	3441	3442	3443	3444
-0.86+0.25 mm concentrate no	H04-3894	H04-3895	H04-3896		H04-3897	H04-3898	H04-3899		H04-3900
Client Field no	**91656**	**91648**	**887478**	**887982**	**877760**	**887867**	**878160**	**90603**	**886948**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	35.50	28.10	42.99	33.90	37.60	40.94	39.51	24.32	36.21
Screening weights									
[illegible] wet kg	10.35	10.30	14.23	12.54	9.78	15.41	17.58	15.87	14.52
[illegible] wet kg	13.08	14.77	12.24	4.86	10.04	9.05	6.95	6.90	11.02
[illegible] wet kg	4.16	2.28	2.94	1.66	3.36	2.43	3.01	1.72	3.23
-0.86+0.25 mm dry kg	3.90	8.52	3.07	0.95	2.92	2.54	1.56	1.25	2.66
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	46	78	23	3	25	26	15	3	13
Weakly magnetic fraction g	13	18	8	0	10	8	4	1	5
Non magnetic fraction g	3837	8420	3039	945	2883	2504	1544	1244	2645
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	59.0	96.0	31.0	3.1	35.0	34.0	20.0	3.9	18.0
TBE(<2.96 g/cc) float g	29.2	54.9	21.4		26.1	22.4	12.2		11.4
TBE(>2.96 g/cc) sink g	29.8	41.1	9.6		8.9	11.6	7.8		6.6
MI (<3.32 g/cc) float g	4.0	9.9							
MI(>3.32 g/cc) sink g	25.9	31.4							
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3445	3446	3447	3448	3449	3450	3451	3452	3453
-0.86+0.25 mm concentrate no	H04-3901	H04-3902	H04-3903		H04-3904	H04-3905	H04-3906	H04-3907	
Client Field no	**878185**	**91646**	**888080**	**886907**	**90612**	**887484**	**91638**	**887479**	**888052**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	41.40	23.02	35.57	33.31	32.10	43.04	35.17	37.00	27.22
Screening weights									
[illegible] wet kg	11.97	11.12	17.48	21.13	12.16	15.20	11.41	9.87	22.01
[illegible] wet kg	16.67	6.78	13.08	6.30	11.82	13.41	8.58	10.12	4.43
[illegible] wet kg	4.05	1.51	3.41	3.11	3.61	2.69	3.15	1.50	1.67
[illegible] 25 mm dry kg	5.18	2.90	5.58	1.21	3.78	3.42	3.12	2.57	0.90
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	58	53	49	1	39	41	32	12	3
Weakly magnetic fraction g	21	9	6	0	16	21	8	4	0
Non magnetic fraction g	5102	2833	5519	1204	3729	3362	3076	2550	899
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	78.0	62.0	56.0	1.4	55.0	62.0	40.0	16.0	2.9
TBE(<2.96 g/cc) float g	41.0	27.4	34.4		39.6	47.6	19.1	9.7	
TBE(>2.96 g/cc) sink g	37.0	34.6	21.6		15.4	14.4	20.9	6.3	
MI (<3.32 g/cc) float g	5.7	6.2	10.2		5.8		3.6		
MI(>3.32 g/cc) sink g	31.4	28.5	11.4		9.5		17.3		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04	29-Oct-04

VIPI sample no	3454	3455
-0.86+0.25 mm concentrate no		H04-3908
Client Field no	**886910**	**90601**
Client	Twin Mining	Twin Mining
As-received wt kg	31.57	29.50
Screening weights		
+2 mm wet kg	17.79	20.43
-2+0.86 mm wet kg	7.34	6.46
-0.86+0.25 mm wet kg	1.34	2.47
-0.86+0.25 mm dry kg	1.32	1.70
Magnetic Processing -0.86+0.25 mm		
Strongly magnetic fraction g	2	12
Weakly magnetic fraction g	0	4
Non magnetic fraction g	1318	1680
Heavy Liquid processing -0.86+.25mm		
Start weight for heavy liquids g	2.4	16.0
TBE(<2.96 g/cc) float g		12.5
TBE(>2.96 g/cc) sink g		3.5
MI (<3.32 g/cc) float g		
MI(>3.32 g/cc) sink g		
Work record		
Date sample received	28-Sep-04	28-Sep-04
Date concentrate shipped	29-Oct-04	29-Oct-04

VIPI sample no	3456	3457	3458	3459	3460	3461	3462	3463	3464
-0.86+0.25 mm concentrate no		H04-4342	H04-4343	H04-4344	H04-4345	H04-4346	H04-4347	H04-4348	H04-4349
Client Field no	**90642**	**90844**	**90802**	**90910**	**90961**	**90965**	**90805**	**90969**	**90967**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	30.36	32.36	20.40	24.88	27.79	22.34	24.02	30.82	33.25
Screening weights									
[illegible] mm wet kg	17.46	12.73	11.01	8.76	11.16	9.89	12.06	8.19	6.23
[illegible] mm wet kg	9.43	9.97	5.06	6.43	10.69	2.82	6.36	8.43	15.18
[illegible] mm wet kg	2.60	1.89	1.68	1.68	3.28	0.65	1.88	1.93	2.30
-0.86+0.25 mm dry kg	1.23	2.54	1.23	2.30	3.11	0.74	1.43	2.88	6.58
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	3	15	9	32	20	8	8	23	38
Weakly magnetic fraction g	1	6	3	6	7	3	3	9	16
Non magnetic fraction g	1229	2519	1214	2266	3084	733	1416	2850	6525
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	**3.9**	21.0	12.0	38.0	27.0	11.0	11.0	32.0	55.0
TBE(<2.96 g/cc) float g		15.6	8.2	22.5	19.0	6.8	7.7	20.3	40.8
TBE(>2.96 g/cc) sink g		**5.4**	**3.8**	15.5	**8.0**	**4.2**	**3.3**	11.7	14.2
MI (<3.32 g/cc) float g				3.3				4.9	6.0
MI(>3.32 g/cc) sink g				**12.4**				**6.8**	**8.2**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3465	3466	3467	3468	3469	3470	3471	3472	3473
-0.86+0.25 mm concentrate no	H04-4350	H04-4351	H04-4352	H04-4353	H04-4354	H04-4355	H04-4356	H04-4357	H04-4358
Client Field no	**90905**	**90807**	**887951**	**90839**	**877784**	**90752**	**887483**	**90547**	**887487**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	21.09	23.92	37.18	25.24	41.81	24.80	43.71	29.88	34.34
Screening weights									
+2 mm wet kg	11.29	12.26	15.51	15.08	11.69	7.81	13.35	12.50	13.39
-2+0.86 mm wet kg	3.75	5.51	20.60	6.12	9.40	7.44	13.08	7.21	11.30
-0.86+0.25 mm wet kg	0.87	1.57	3.13	1.96	2.41	1.30	3.65	1.75	2.51
-0.86+0.25 mm dry kg	0.95	1.83	10.59	1.32	2.99	2.60	3.56	1.42	2.47
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	5	33	34	6	35	14	32	7	26
Weakly magnetic fraction g	2	16	16	2	19	6	12	3	9
Non magnetic fraction g	938	1783	10535	1308	2933	2582	3511	1407	2436
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	7.0	49.0	50.0	8.0	53.0	20.0	44.0	11.0	35.0
TBE(<2.96 g/cc) float g	3.4	33.2	40.3	5.2	46.8	14.4	29.5	8.3	21.4
TBE(>2.96 g/cc) sink g	**3.6**	15.8	**9.7**	**2.8**	**6.2**	**5.6**	14.5	**2.7**	13.6
MI (<3.32 g/cc) float g		3.8					3.1		2.6
MI(>3.32 g/cc) sink g		**12.2**					**11.4**		**11.0**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3474	3475	3476	3477	3478	3479	3480	3481	3482
-0.86+0.25 mm concentrate no	H04-4359	H04-4360	H04-4361	H04-4362	H04-4363	H04-4364	H04-4365	H04-4366	H04-4367
Client Field no	**877791**	**91812**	**887486**	**886950**	**90583**	**877790**	**91655**	**877751**	**887476**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	39.02	27.33	43.21	39.62	39.92	33.15	30.38	38.44	41.75
Screening weights									
[illegible] wet kg	15.70	11.79	14.09	14.44	13.19	12.22	13.94	15.96	11.41
[illegible] wet kg	13.17	9.09	15.87	10.20	14.28	7.40	9.08	12.79	14.03
[illegible] wet g	2.90	1.66	4.26	2.44	4.11	1.42	2.28	3.76	3.74
[illegible] mm dry g	3.26	2.11	4.10	2.48	3.83	1.56	2.85	2.74	3.66
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	36	23	35	19	37	8	21	23	45
Weakly magnetic fraction g	21	14	20	8	18	2	8	9	24
Non magnetic fraction g	3207	2067	4040	2449	3775	1547	2819	2709	3593
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	58.0	38.0	55.0	27.0	54.0	10.0	29.0	33.0	69.0
TBE(<2.96 g/cc) float g	49.0	29.2	43.3	19.8	40.9	5.6	17.1	21.0	56.8
TBE(>2.96 g/cc) sink g	**9.0**	**8.8**	11.7	**7.2**	13.1	**4.4**	11.9	12.0	12.2
MI (<3.32 g/cc) float g			2.6		3.2		1.5	2.4	3.2
MI(>3.32 g/cc) sink g			**9.1**		**9.8**		**10.4**	**9.6**	**8.9**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3483	3484	3485	3486	3487	3488	3489	3490	3491
-0.86+0.25 mm concentrate no	H04-4368	H04-4369	H04-4370	H04-4371	H04-4372	H04-4373	H04-4374	H04-4375	H04-4376
Client Field no	**90607**	**91639**	**878165**	**90609**	**887475**	**887869**	**90545**	**91650**	**887865**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	34.73	39.50	39.61	30.76	42.40	38.26	28.44	32.15	41.25
Screening weights									
[illegible] mm wet kg	9.67	15.08	17.85	14.54	12.32	17.57	4.92	15.22	16.19
[illegible] wet kg	11.94	12.33	10.91	10.19	17.04	14.66	10.39	10.80	12.73
[illegible] mm wet kg	2.67	3.89	2.29	3.59	2.97	4.21	2.12	3.40	3.38
-0.85+0.25 mm dry kg	3.46	4.08	2.77	2.65	4.92	3.92	3.12	2.90	3.30
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	47	46	40	15	50	47	41	30	37
Weakly magnetic fraction g	19	13	18	5	21	28	29	14	11
Non magnetic fraction g	3392	4020	2713	2626	4842	3845	3054	2852	3255
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	67.0	59.0	58.0	21.0	71.0	75.0	70.0	45.0	48.0
TBE(<2.96 g/cc) float g	44.0	34.2	49.1	15.9	51.5	45.2	49.7	25.4	26.9
TBE(>2.96 g/cc) sink g	23.0	24.8	**8.9**	**5.1**	19.5	29.8	20.3	19.6	21.1
MI (<3.32 g/cc) float g	13.0	3.9			4.2	4.0	11.9	3.2	4.0
MI(>3.32 g/cc) sink g	**9.9**	**21.0**			**15.2**	**25.9**	**8.4**	**16.5**	**17.2**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3492	3493	3494	3495	3496	3497	3498	3499	3500
-0.86+0.25 mm concentrate no	H04-4377	H04-4378	H04-4379	H04-4380	H04-4381	H04-4382	H04-4383	H04-4384	H04-4385
Client Field no	**887485**	**90837**	**91701**	**887488**	**90823**	**878181**	**877792**	**877774**	**90610**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	41.14	27.68	38.41	44.63	23.47	34.01	42.45	37.48	29.30
Screening weights									
[illegible] wet kg	16.87	13.35	10.57	18.80	13.00	11.15	15.27	12.54	18.15
[illegible] wet kg	13.71	9.21	11.11	13.40	6.27	7.67	15.37	14.74	9.00
[illegible] wet kg	4.14	3.83	2.71	4.72	2.78	1.68	4.98	4.32	4.36
-0.86+0.25 mm dry kg	3.93	1.95	3.37	4.12	1.42	1.70	4.88	3.37	2.55
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	25	11	47	43	7	14	51	31	21
Weakly magnetic fraction g	14	6	18	15	2	2	17	11	6
Non magnetic fraction g	3888	1935	3307	4061	1413	1683	4811	3322	2525
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	38.0	17.0	65.0	59.0	8.0	17.0	68.0	43.0	27.0
TBE(<2.96 g/cc) float g	23.0	12.2	46.3	32.1	4.8	7.2	47.8	32.0	18.9
TBE(>2.96 g/cc) sink g	15.0	**4.8**	18.7	26.9	**3.2**	**9.8**	20.2	11.0	**8.1**
MI (<3.32 g/cc) float g	2.6		3.9	4.3			4.6	3.6	
MI(>3.32 g/cc) sink g	**12.4**		**14.8**	**22.7**			**15.7**	**7.5**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3501	3502	3503	3504	3505	3506	3507	3508	3509
-0.86+0.25 mm concentrate no	H04-4386	H04-4387	H04-4388	H04-4389	H04-4390	H04-4391	H04-4392	H04-4393	H04-4394
Client Field no	**90608**	**90538**	**90544**	**878199**	**90964**	**90530**	**90901**	**90803**	**90902**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	30.72	27.70	27.95	33.92	24.63	27.62	24.44	20.65	28.21
Screening weights									
-2 mm wet kg	17.00	14.89	5.51	14.90	10.23	13.70	12.46	6.33	14.03
-1 mm wet kg	10.95	8.14	11.86	10.61	7.31	2.93	5.28	5.44	10.03
-0.86 mm wet kg	4.88	2.87	2.33	3.24	2.23	1.01	1.26	1.73	3.00
-0.86+0.25 mm dry kg	3.11	2.09	3.55	2.90	1.79	0.51	1.48	1.41	3.24
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	38	11	64	32	7	4	7	9	22
Weakly magnetic fraction g	11	6	35	14	4	1	3	4	10
Non magnetic fraction g	3056	2074	3448	2849	1775	501	1465	1391	3206
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	49.0	17.0	99.0	45.0	10.0	5.0	10.0	14.0	31.0
TBE(<2.96 g/cc) float g	40.6	13.4	68.2	13.5	7.3	2.8	7.3	10.8	21.3
TBE(>2.96 g/cc) sink g	**8.4**	**3.6**	30.8	31.5	**2.7**	**2.2**	**2.7**	**3.2**	**9.7**
MI (<3.32 g/cc) float g			20.0	4.2					
MI(>3.32 g/cc) sink g			**10.8**	**27.4**					
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3510	3511	3512	3513	3514	3515	3516	3517	3518
-0.86+0.25 mm concentrate no	H04-4395	H04-4396	H04-4397	H04-4398	H04-4399	H04-4400	H04-4401	H04-4402	H04-4403
Client Field no	**90613**	**90574**	**90615**	**90516**	**90908**	**877761**	**878189**	**90966**	**90549**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	28.29	27.27	28.60	33.02	22.52	41.06	38.86	25.55	32.87
Screening weights									
[illegible] wet kg	16.10	19.45	15.48	20.52	10.93	20.24	11.92	9.70	11.91
[illegible] wet kg	5.89	3.04	9.74	7.36	4.52	12.72	14.70	10.48	14.12
[illegible] wet kg	2.01	1.61	4.83	2.41	1.56	3.28	3.37	3.03	5.18
-0.86+0.25 mm dry kg	1.41	0.44	1.90	1.85	1.27	3.65	4.72	1.97	3.65
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	14	11	17	11	18	36	58	6	9
Weakly magnetic fraction g	4	3	5	5	4	16	46	2	3
Non magnetic fraction g	1394	427	1880	1832	1248	3594	4618	1957	3633
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	18.0	14.0	23.0	16.0	23.0	52.0	104.0	8.0	12.0
TBE(<2.96 g/cc) float g	12.0	7.0	17.8	13.2	13.4	31.9	93.7	5.8	7.1
TBE(>2.96 g/cc) sink g	**6.0**	**7.0**	**5.2**	**2.8**	**9.6**	20.1	10.3	**2.2**	**4.9**
MI (<3.32 g/cc) float g						5.0	2.3		
MI(>3.32 g/cc) sink g						**15.0**	**7.9**		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3519	3520	3521	3522	3523	3524	3525	3526	3527
-0.86+0.25 mm concentrate no	H04-4404	H04-4405	H04-4406	H04-4407	H04-4408	H04-4409	H04-4410	H04-4411	H04-4412
Client Field no	**90810**	**90968**	**91842**	**90963**	**91820**	**877753**	**90531**	**878182**	**90927**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	24.48	28.04	34.11	26.14	29.48	39.41	23.48	33.67	22.71
Screening weights									
[illegible] wet kg	11.86	9.11	6.52	9.55	9.58	18.16	11.20	15.49	11.69
[illegible] wet kg	7.72	10.94	14.57	9.71	13.28	11.80	6.41	7.39	5.64
[illegible] wet kg	2.63	2.24	2.31	2.54	2.21	5.04	2.63	1.83	2.06
[illegible] mm dry kg	1.94	1.52	3.31	2.95	3.28	2.87	1.42	1.41	1.45
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	13	9	42	26	26	25	9	11	6
Weakly magnetic fraction g	5	4	22	8	12	12	4	3	3
Non magnetic fraction g	1919	1509	3243	2913	3246	2833	1402	1397	1445
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	17.0	13.0	64.0	34.0	38.0	37.0	13.0	14.0	8.0
TBE(<2.96 g/cc) float g	13.0	8.4	54.9	23.3	25.9	24.6	7.4	5.9	5.1
TBE(>2.96 g/cc) sink g	**4.0**	**4.6**	**9.1**	10.7	12.1	12.4	**5.6**	**8.1**	**2.9**
MI (<3.32 g/cc) float g				6.5	3.0	2.0			
MI(>3.32 g/cc) sink g				**4.2**	**9.1**	**10.5**			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3528	3529	3530	3531	3532	3533	3534	3535	3536
-0.86+0.25 mm concentrate no	H04-4413	H04-4414	H04-4415	H04-4416	H04-4417	H04-4418	H04-4419	H04-4420	H04-4421
Client Field no	**90539**	**90521**	**90620**	**91802**	**90528**	**91819**	**887482**	**90922**	**878193**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.82	31.46	22.55	29.58	33.54	28.10	43.71	22.65	41.88
Screening weights									
[illegible] wt kg	13.75	16.76	11.57	12.40	10.97	12.04	15.91	10.84	11.98
[illegible] wt kg	7.14	8.59	5.98	12.37	4.02	11.71	10.76	8.15	13.28
[illegible] wt kg	1.86	2.40	1.81	3.08	0.86	3.47	4.42	3.80	4.12
[illegible] wt kg	1.67	1.61	1.25	3.39	1.03	2.98	2.71	2.27	3.71
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	9	5	6	40	24	34	25	10	43
Weakly magnetic fraction g	4	3	2	16	3	14	8	6	18
Non magnetic fraction g	1660	1604	1243	3330	1004	2932	2681	2257	3645
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	13.0	8.0	8.0	56.0	28.0	48.0	33.0	16.0	62.0
TBE(<2.96 g/cc) float g	10.5	6.3	5.2	37.0	10.8	27.9	21.1	11.4	43.9
TBE(>2.96 g/cc) sink g	**2.5**	**1.7**	**2.8**	19.0	17.2	20.1	11.9	**4.6**	18.1
MI (<3.32 g/cc) float g				4.8	4.0	2.9	3.0		4.5
MI(>3.32 g/cc) sink g				**14.2**	**13.3**	**17.3**	**9.1**		**13.7**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3537	3538	3539	3540	3541	3542	3543	3544	3545
-0.86+0.25 mm concentrate no	H04-4422	H04-4423	H04-4424	H04-4425		H04-4426	H04-4427	H04-4428	H04-4429
Client Field no	**90518**	**90787**	**90756**	**90801**	**90904**	**90543**	**887863**	**90542**	**878187**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	43.20	23.59	32.88	27.76	30.54	40.28	39.19	41.43	43.15
Screening weights									
[illegible] mm wet kg	15.83	9.98	12.39	11.77	15.05	8.96	17.98	12.65	16.45
[illegible] wet kg	11.23	2.70	10.11	7.51	4.85	11.76	13.80	8.55	13.97
[illegible] wet kg	3.57	1.18	3.83	3.00	2.79	2.22	4.84	4.12	3.25
0.86+0.25 mm dry kg	4.06	0.66	2.73	2.68	0.83	3.22	3.42	2.37	3.46
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	28	14	14	23	2	30	47	13	38
Weakly magnetic fraction g	14	3	7	6	1	12	19	9	15
Non magnetic fraction g	4019	642	2711	2652	832	3180	3353	2352	3408
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	42.0	17.0	21.0	28.0	**1.9**	42.0	66.0	22.0	54.0
TBE(<2.96 g/cc) float g	30.7	8.8	15.2	14.2		29.5	40.9	16.7	31.5
TBE(>2.96 g/cc) sink g	11.3	**8.2**	**5.8**	13.8		12.5	25.1	**5.3**	22.5
MI (<3.32 g/cc) float g	4.2			3.0		8.4	4.0		4.6
MI(>3.32 g/cc) sink g	**7.0**			**10.9**		**4.2**	**21.2**		**18.0**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3546	3547	3548	3549	3550	3551	3552	3553	3554
-0.86+0.25 mm concentrate no	H04-4430	H04-4431	H04-4432	H04-4433	H04-4434		H04-4435	H04-4436	H04-4437
Client Field no	**877795**	**90621**	**887495**	**90827**	**877781**	**887979**	**888076**	**888068**	**90638**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	43.19	39.37	41.38	24.14	38.44	33.61	39.50	29.63	42.50
Screening weights									
[illegible]	15.88	14.23	12.83	14.49	5.67	32.90	17.07	18.82	16.00
[illegible]	17.40	13.81	22.78	4.99	19.94	0.26	6.05	7.23	15.78
[illegible]	3.73	4.19	5.82	2.10	2.09	0.14	1.11	3.11	3.97
[illegible] -0.25 mm dry kg	5.74	4.05	8.10	1.26	5.93	0.04	1.77	2.29	4.31
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	56	42	96	4	97	0	8	10	48
Weakly magnetic fraction g	14	19	30	1	80	0	2	3	19
Non magnetic fraction g	5670	3989	7974	1253	5753	38	1762	2276	4238
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	71.0	61.0	126.0	6.0	176.0	**0.1**	10.0	13.0	67.0
TBE(<2.96 g/cc) float g	41.5	44.8	101.2	3.8	167.8		5.4	6.5	40.4
TBE(>2.96 g/cc) sink g	29.5	16.2	24.8	**2.2**	**8.2**		**4.6**	**6.5**	26.6
MI (<3.32 g/cc) float g	5.5	4.5	8.1						5.0
MI(>3.32 g/cc) sink g	**24.2**	**11.7**	**16.8**						**21.7**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04	12-Nov-04

VIPI sample no	3555
-0.86+0.25 mm concentrate no	H04-4438
Client Field no	**887461**
Client	Twin Mining
As-received wt kg	37.30
Screening weights	
+2 mm wet kg	17.03
-2 mm wet kg	14.10
-2+0.86 mm wet kg	4.31
-0.86+0.25 mm dry kg	2.24
Magnetic Processing -0.86+0.25 mm	
Strongly magnetic fraction g	6
Weakly magnetic fraction g	2
Non magnetic fraction g	2230
Heavy Liquid processing -0.86+.25mm	
Start weight for heavy liquids g	7.0
TBE(<2.96 g/cc) float g	3.6
TBE(>2.96 g/cc) sink g	3.4
MI (<3.32 g/cc) float g	
MI(>3.32 g/cc) sink g	
Work record	
Date sample received	28-Sep-04
Date concentrate shipped	12-Nov-04

VIPI sample no	3556	3557	3558	3559	3560	3561	3562	3563	3564
-0.86+0.25 mm concentrate no	H04-4657	H04-4658	H04-4659	H04-4660	H04-4661	H04-4662	H04-4663	H04-4664	H04-4665
Client Field no	**90582**	**90683**	**90584**	**90590**	**887976**	**887994**	**888075**	**888066**	**887973**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	41.89	27.53	41.58	29.99	38.57	42.64	31.89	38.27	42.77
Screening weights									
[illegible] wet kg	18.09	14.70	8.70	17.94	10.46	19.66	12.69	11.76	19.20
[illegible] wet kg	12.92	5.86	15.32	7.53	11.96	8.65	8.03	10.23	10.73
[illegible] wet kg	2.98	1.40	3.28	2.74	2.70	1.52	1.93	1.99	2.95
-0.86+0.25 mm dry kg	2.91	1.49	3.70	1.48	2.83	3.46	2.08	3.03	3.08
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	43	5	58	5	9	28	9	14	17
Weakly magnetic fraction g	17	1	22	2	3	15	2	3	11
Non magnetic fraction g	2850	1486	3615	1475	2811	3413	2073	3009	3052
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	60.0	6.0	80.0	8.0	12.0	44.0	11.0	17.0	28.0
TBE(<2.96 g/cc) float g	51.0	3.5	66.7	4.8	5.6	32.4	6.3	10.3	18.9
TBE(>2.96 g/cc) sink g	**9.0**	**2.5**	**13.3**	**3.2**	**6.4**	**11.6**	**4.7**	**6.7**	**9.1**
MI (<3.32 g/cc) float g			3.7			3.9			
MI(>3.32 g/cc) sink g			**9.6**			**7.5**			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3565	3566	3567	3568	3569	3570	3571	3572	3573
-0.86+0.25 mm concentrate no			H04-4666	H04-4667	H04-4668	H04-4669	H04-4670	H04-4671	H04-4672
Client Field no	**888090**	**886903**	**888086**	**888079**	**886911**	**887989**	**888097**	**887993**	**887972**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	35.84	30.65	31.64	30.09	34.89	42.90	32.75	40.68	34.96
Screening weights									
[illegible] mm wet kg	10.90	12.83	11.94	13.81	14.49	12.81	10.03	19.73	18.13
[illegible] wet kg	13.40	10.20	12.02	10.80	9.27	20.93	9.35	12.76	8.18
[illegible] mm wet kg	1.61	2.14	2.22	3.72	1.68	3.87	1.52	3.29	2.71
-0.86+0.25 mm dry kg	1.04	1.65	2.26	3.31	1.56	9.98	1.65	2.92	2.56
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	3	3	11	31	9	57	5	11	7
Weakly magnetic fraction g	1	1	3	5	5	28	3	5	2
Non magnetic fraction g	1030	1645	2244	3271	1548	9896	1638	2901	2549
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	**4.3**	**3.5**	13.0	36.0	13.0	85.0	7.0	16.0	9.0
TBE(<2.96 g/cc) float g			6.3	16.1	7.8	63.0	5.5	10.5	5.6
TBE(>2.96 g/cc) sink g			**6.7**	**19.9**	**5.2**	**22.0**	**1.5**	**5.5**	**3.4**
MI (<3.32 g/cc) float g				7.1		5.7			
MI(>3.32 g/cc) sink g				**12.8**		**16.6**			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3574	3575	3576	3577	3578	3579	3580	3581	3582
-0.86+0.25 mm concentrate no	H04-4673	H04-4674	H04-4675		H04-4676				
Client Field no	**888084**	**887984**	**887991**	**887978**	**887988**	**888056**	**886916**	**887983**	**886901**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	39.23	34.80	40.42	36.28	33.42	31.39	31.58	32.88	26.55
Screening weights									
[illegible] mm wet kg	20.28	8.88	25.34	21.00	13.60	2.82	16.92	16.64	12.29
[illegible] mm wet kg	9.80	13.51	10.85	10.66	14.32	30.99	6.83	9.56	8.62
[illegible] mm wet kg	1.62	2.08	3.01	2.66	2.79	1.61	2.11	1.71	1.92
[illegible] mm dry kg	2.06	2.34	3.12	1.60	4.41	0.46	1.66	1.14	1.55
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	7	7	14	4	22	1	4	1	3
Weakly magnetic fraction g	4	3	7	1	12	0	1	1	0
Non magnetic fraction g	2046	2332	3100	1590	4378	457	1656	1135	1549
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	11.0	10.0	21.0	**4.0**	34.0	0.6	**4.8**	**1.6**	**2.9**
TBE(<2.96 g/cc) float g	7.3	5.8	12.9		23.4				
TBE(>2.96 g/cc) sink g	**3.7**	**4.2**	**8.1**		**10.6**				
MI (<3.32 g/cc) float g					2.0				
MI(>3.32 g/cc) sink g					**8.5**				
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3583	3584	3585	3586	3587	3588	3589	3590	3591
-0.86+0.25 mm concentrate no	H04-4677	H04-4678			H04-4679	H04-4680	H04-4681	H04-4682	H04-4683
Client Field no	**888098**	**886914**	**888060**	**888058**	**878157**	**887465**	**90533**	**90624**	**90618**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	30.05	31.62	29.05	32.78	44.38	36.43	31.77	40.44	25.77
Screening weights									
[illegible] mm wet kg	15.16	15.89	21.04	29.48	18.00	16.88	17.28	13.79	11.37
[illegible] wet kg	7.36	9.21	5.43	1.58	13.13	12.22	11.28	14.51	9.07
[illegible] mm wet kg	1.34	1.58	1.78	0.81	4.30	3.23	3.13	4.96	2.76
-0.86+0.25 mm dry kg	1.21	2.16	1.01	0.29	3.53	3.18	4.42	4.24	2.50
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	4	11	3	1	33	22	22	40	21
Weakly magnetic fraction g	2	3	1	1	11	9	10	16	6
Non magnetic fraction g	1204	2149	1004	291	3488	3152	4385	4187	2475
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	5.0	14.0	**3.1**	**1.8**	45.0	31.0	33.0	56.0	27.0
TBE(<2.96 g/cc) float g	3.6	7.9			30.7	18.0	24.8	34.2	17.4
TBE(>2.96 g/cc) sink g	**1.4**	**6.1**			**14.3**	**13.0**	**8.2**	**21.8**	**9.6**
MI (<3.32 g/cc) float g					3.9	3.5		4.4	
MI(>3.32 g/cc) sink g					**10.5**	**9.7**		**17.4**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3592	3593	3594	3595	3596	3597	3598	3599	3600
-0.86+0.25 mm concentrate no	H04-4684	H04-4685	H04-4686	H04-4687	H04-4688	H04-4689	H04-4690	H04-4691	
Client Field no	**90536**	**877798**	**90534**	**90836**	**90812**	**877794**	**878198**	**90520**	**90604**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.12	39.17	31.89	34.07	24.36	38.83	31.65	29.19	26.46
Screening weights									
[illegible] wet kg	26.52	11.06	16.88	6.95	11.40	20.64	10.58	13.51	18.93
[illegible] wet kg	4.42	16.42	9.81	13.06	6.75	12.20	14.08	7.25	3.40
[illegible] mm wet kg	1.82	3.88	3.41	2.78	2.89	2.66	3.93	3.11	1.47
0.86+0.25 mm dry kg	1.19	4.47	3.01	3.70	1.56	2.03	6.12	1.70	0.54
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	14	45	16	22	7	13	109	11	3
Weakly magnetic fraction g	3	16	8	12	3	4	22	4	1
Non magnetic fraction g	1175	4409	2986	3668	1547	2013	5991	1680	537
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	17.0	62.0	23.0	35.0	10.0	18.0	131.0	16.0	**3.4**
TBE(<2.96 g/cc) float g	8.2	33.6	15.8	25.1	7.1	11.7	55.9	11.5	
TBE(>2.96 g/cc) sink g	**8.8**	**28.4**	**7.2**	**9.9**	**2.9**	**6.3**	**75.1**	**4.5**	
MI (<3.32 g/cc) float g		5.6					20.6		
MI(>3.32 g/cc) sink g		**22.8**					**54.5**		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3601	3602	3603	3604	3605	3606	3607	3608	3609
-0.86+0.25 mm concentrate no	H04-4692	H04-4693	H04-4694	H04-4695	H04-4696	H04-4697	H04-4698		H04-4699
Client Field no	**90622**	**90589**	**90628**	**90788**	**878190**	**90831**	**877787**	**887975**	**877776**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	31.28	39.93	40.95	25.67	36.29	31.02	41.47	35.27	41.40
Screening weights									
+2 mm wet kg	14.59	10.61	13.74	11.50	16.28	11.21	11.70	18.98	11.24
-2+0.86 mm wet kg	9.33	13.43	13.89	6.24	14.77	8.02	10.94	8.50	8.24
-0.86+0.25 mm wet kg	2.51	2.48	2.94	1.77	4.70	2.97	2.76	1.58	3.36
-0.86+0.25 mm dry kg	2.18	3.74	3.90	2.13	4.69	2.12	2.68	1.47	2.32
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	23	45	46	26	63	12	32	3	29
Weakly magnetic fraction g	8	23	15	5	20	6	12	0	8
Non magnetic fraction g	2148	3671	3834	2098	4603	2104	2633	1465	2281
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	31.0	67.0	62.0	30.0	83.0	18.0	44.0	**3.0**	38.0
TBE(<2.96 g/cc) float g	20.3	57.8	44.1	14.1	31.5	13.4	36.3		24.7
TBE(>2.96 g/cc) sink g	**10.7**	**9.2**	**17.9**	**15.9**	**51.5**	**4.6**	**7.7**		**13.3**
MI (<3.32 g/cc) float g	2.6		4.4	5.4	9.0				3.3
MI(>3.32 g/cc) sink g	**8.1**		**13.5**	**10.3**	**42.3**				**9.9**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3610	3611	3612	3613	3614	3615	3616	3617	3618
-0.86+0.25 mm concentrate no				H04-4700	H04-4701	H04-4702	H04-4703	H04-4704	H04-4705
Client Field no	**90684**	**887454**	**90699**	**90819**	**90691**	**90629**	**877786**	**90581**	**90576**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.58	34.23	26.00	31.72	27.41	37.27	40.33	37.68	29.02
Screening weights									
[illegible] mm wet kg	14.95	12.34	12.54	13.64	14.03	14.21	8.14	13.42	18.34
[illegible] mm wet kg	5.33	11.17	6.65	13.20	11.97	16.08	16.91	12.57	5.36
[illegible] mm wet kg	2.81	2.15	2.55	3.66	4.30	4.16	3.28	2.49	2.17
-0.86+0.25 mm dry kg	1.00	1.52	1.43	3.88	5.09	4.12	4.36	2.63	0.88
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	2	3	3	25	20	46	49	24	6
Weakly magnetic fraction g	1	1	1	9	3	17	25	9	2
Non magnetic fraction g	998	1513	1428	3844	5066	4055	4285	2593	875
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	**3.8**	**3.8**	**4.1**	34.0	23.0	63.0	74.0	33.0	8.0
TBE(<2.96 g/cc) float g				23.9	11.4	32.1	61.5	26.3	4.8
TBE(>2.96 g/cc) sink g				**10.1**	**11.6**	**30.9**	**12.5**	**6.7**	**3.2**
MI (<3.32 g/cc) float g				4.0	3.0	4.5	4.7		
MI(>3.32 g/cc) sink g				**6.1**	**8.5**	**26.4**	**7.7**		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3619	3620	3621	3622	3623	3624	3625	3626	3627
-0.86+0.25 mm concentrate no	H04-4706	H04-4707	H04-4708	H04-4709	H04-4710	H04-4711	H04-4712	H04-4713	
Client Field no	**878195**	**877778**	**90627**	**90860**	**90630**	**90818**	**877800**	**90692**	**90824**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	36.91	40.27	36.94	25.37	35.99	33.66	41.65	28.43	22.49
Screening weights									
12 mm wet kg	13.67	10.89	12.76	11.95	19.36	8.13	14.64	13.16	13.07
1.18 mm wet kg	15.17	16.21	10.73	6.87	11.41	10.07	10.32	10.52	5.30
0.86+0.25 mm wet kg	2.57	3.90	2.23	2.72	4.24	2.01	2.78	4.06	2.10
0.86+0.25 mm dry kg	5.68	3.37	2.87	2.34	2.88	4.08	3.00	3.28	0.91
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	46	35	33	29	31	25	43	21	3
Weakly magnetic fraction g	25	15	10	7	10	20	17	4	1
Non magnetic fraction g	5608	3317	2829	2304	2841	4032	2937	3253	907
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	70.0	50.0	44.0	37.0	41.0	45.0	60.0	25.0	**3.5**
TBE(<2.96 g/cc) float g	47.4	37.6	31.4	23.1	21.5	38.0	41.0	12.4	
TBE(>2.96 g/cc) sink g	**22.6**	**12.4**	**12.6**	**13.9**	**19.5**	**7.0**	**19.0**	**12.6**	
MI (<3.32 g/cc) float g	4.7	3.8	2.7	3.4	2.8		4.2	2.8	
MI(>3.32 g/cc) sink g	**17.8**	**8.5**	**9.8**	**10.3**	**16.7**		**14.9**	**9.8**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3619	3620	3621	3622	3623	3624	3625	3626	3627
-0.86+0.25 mm concentrate no	H04-4706	H04-4707	H04-4708	H04-4709	H04-4710	H04-4711	H04-4712	H04-4713	
Client Field no	**878195**	**877778**	**90627**	**90860**	**90630**	**90818**	**877800**	**90692**	**90824**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	36.91	40.27	36.94	25.37	35.99	33.66	41.65	28.43	22.49
Screening weights									
[illegible] mm wet kg	13.67	10.89	12.76	11.95	19.36	8.13	14.64	13.16	13.07
[illegible] mm wet kg	15.17	16.21	10.73	6.87	11.41	10.07	10.32	10.52	5.30
[illegible] mm wet kg	2.57	3.90	2.23	2.72	4.24	2.01	2.78	4.06	2.10
0.86+0.25 mm dry kg	5.68	3.37	2.87	2.34	2.88	4.08	3.00	3.28	0.91
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	46	35	33	29	31	25	43	21	3
Weakly magnetic fraction g	25	15	10	7	10	20	17	4	1
Non magnetic fraction g	5608	3317	2829	2304	2841	4032	2937	3253	907
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	70.0	50.0	44.0	37.0	41.0	45.0	60.0	25.0	**3.5**
TBE(<2.96 g/cc) float g	47.4	37.6	31.4	23.1	21.5	38.0	41.0	12.4	
TBE(>2.96 g/cc) sink g	**22.6**	**12.4**	**12.6**	**13.9**	**19.5**	**7.0**	**19.0**	**12.6**	
MI (<3.32 g/cc) float g	4.7	3.8	2.7	3.4	2.8		4.2	2.8	
MI(>3.32 g/cc) sink g	**17.8**	**8.5**	**9.8**	**10.3**	**16.7**		**14.9**	**9.8**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3556	3557	3558	3559	3560	3561	3562	3563	3564
-0.86+0.25 mm concentrate no	H04-4657	H04-4658	H04-4659	H04-4660	H04-4661	H04-4662	H04-4663	H04-4664	H04-4665
Client Field no	**90582**	**90683**	**90584**	**90590**	**887976**	**887994**	**888075**	**888066**	**887973**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	41.89	27.53	41.58	29.99	38.57	42.64	31.89	38.27	42.77
Screening weights									
[illegible] wet kg	18.09	14.70	8.70	17.94	10.46	19.66	12.69	11.76	19.20
[illegible] wet kg	12.92	5.86	15.32	7.53	11.96	8.65	8.03	10.23	10.73
[illegible] wet kg	2.98	1.40	3.28	2.74	2.70	1.52	1.93	1.99	2.95
0.85+0.25 mm dry kg	2.91	1.49	3.70	1.48	2.83	3.46	2.08	3.03	3.08
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	43	5	58	5	9	28	9	14	17
Weakly magnetic fraction g	17	1	22	2	3	15	2	3	11
Non magnetic fraction g	2850	1486	3615	1475	2811	3413	2073	3009	3052
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	60.0	6.0	80.0	8.0	12.0	44.0	11.0	17.0	28.0
TBE(<2.96 g/cc) float g	51.0	3.5	66.7	4.8	5.6	32.4	6.3	10.3	18.9
TBE(>2.96 g/cc) sink g	**9.0**	**2.5**	**13.3**	**3.2**	**6.4**	**11.6**	**4.7**	**6.7**	**9.1**
MI (<3.32 g/cc) float g			3.7			3.9			
MI(>3.32 g/cc) sink g			**9.6**			**7.5**			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3565	3566	3567	3568	3569	3570	3571	3572	3573
-0.86+0.25 mm concentrate no			H04-4666	H04-4667	H04-4668	H04-4669	H04-4670	H04-4671	H04-4672
Client Field no	**888090**	**886903**	**888086**	**888079**	**886911**	**887989**	**888097**	**887993**	**887972**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	35.84	30.65	31.64	30.09	34.89	42.90	32.75	40.68	34.96
Screening weights									
[illegible] mm wet kg	10.90	12.83	11.94	13.81	14.49	12.81	10.03	19.73	18.13
[illegible] wet kg	13.40	10.20	12.02	10.80	9.27	20.93	9.35	12.76	8.18
[illegible] wet kg	1.61	2.14	2.22	3.72	1.68	3.87	1.52	3.29	2.71
[illegible] mm dry kg	1.04	1.65	2.26	3.31	1.56	9.98	1.65	2.92	2.56
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	3	3	11	31	9	57	5	11	7
Weakly magnetic fraction g	1	1	3	5	5	28	3	5	2
Non magnetic fraction g	1030	1645	2244	3271	1548	9896	1638	2901	2549
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	**4.3**	**3.5**	13.0	36.0	13.0	85.0	7.0	16.0	9.0
TBE(<2.96 g/cc) float g			6.3	16.1	7.8	63.0	5.5	10.5	5.6
TBE(>2.96 g/cc) sink g			**6.7**	**19.9**	**5.2**	**22.0**	**1.5**	**5.5**	**3.4**
MI (<3.32 g/cc) float g				7.1		5.7			
MI(>3.32 g/cc) sink g				**12.8**		**16.6**			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3574	3575	3576	3577	3578	3579	3580	3581	3582
-0.86+0.25 mm concentrate no	H04-4673	H04-4674	H04-4675		H04-4676				
Client Field no	**888084**	**887984**	**887991**	**887978**	**887988**	**888056**	**886916**	**887983**	**886901**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	39.23	34.80	40.42	36.28	33.42	31.39	31.58	32.88	26.55
Screening weights									
[illegible] mm wet kg	20.28	8.88	25.34	21.00	13.60	2.82	16.92	16.64	12.29
[illegible] mm wet kg	9.80	13.51	10.85	10.66	14.32	30.99	6.83	9.56	8.62
[illegible] mm wet kg	1.62	2.08	3.01	2.66	2.79	1.61	2.11	1.71	1.92
0.86+0.25 mm dry kg	2.06	2.34	3.12	1.60	4.41	0.46	1.66	1.14	1.55
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	7	7	14	4	22	1	4	1	3
Weakly magnetic fraction g	4	3	7	1	12	0	1	1	0
Non magnetic fraction g	2046	2332	3100	1590	4378	457	1656	1135	1549
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	11.0	10.0	21.0	**4.0**	34.0	0.6	**4.8**	**1.6**	**2.9**
TBE(<2.96 g/cc) float g	7.3	5.8	12.9		23.4				
TBE(>2.96 g/cc) sink g	**3.7**	**4.2**	**8.1**		**10.6**				
MI (<3.32 g/cc) float g					2.0				
MI(>3.32 g/cc) sink g					**8.5**				
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3583	3584	3585	3586	3587	3588	3589	3590	3591
-0.86+0.25 mm concentrate no	H04-4677	H04-4678			H04-4679	H04-4680	H04-4681	H04-4682	H04-4683
Client Field no	**888098**	**886914**	**888060**	**888058**	**878157**	**887465**	**90533**	**90624**	**90618**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	30.05	31.62	29.05	32.78	44.38	36.43	31.77	40.44	25.77
Screening weights									
[illegible] mm wet kg	15.16	15.89	21.04	29.48	18.00	16.88	17.28	13.79	11.37
[illegible] wet kg	7.36	9.21	5.43	1.58	13.13	12.22	11.28	14.51	9.07
[illegible] mm wet kg	1.34	1.58	1.78	0.81	4.30	3.23	3.13	4.96	2.76
-0.86+0.25 mm dry kg	1.21	2.16	1.01	0.29	3.53	3.18	4.42	4.24	2.50
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	4	11	3	1	33	22	22	40	21
Weakly magnetic fraction g	2	3	1	1	11	9	10	16	6
Non magnetic fraction g	1204	2149	1004	291	3488	3152	4385	4187	2475
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	5.0	14.0	**3.1**	**1.8**	45.0	31.0	33.0	56.0	27.0
TBE(<2.96 g/cc) float g	3.6	7.9			30.7	18.0	24.8	34.2	17.4
TBE(>2.96 g/cc) sink g	**1.4**	**6.1**			**14.3**	**13.0**	**8.2**	**21.8**	**9.6**
MI (<3.32 g/cc) float g					3.9	3.5		4.4	
MI(>3.32 g/cc) sink g					**10.5**	**9.7**		**17.4**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3592	3593	3594	3595	3596	3597	3598	3599	3600
-0.86+0.25 mm concentrate no	H04-4684	H04-4685	H04-4686	H04-4687	H04-4688	H04-4689	H04-4690	H04-4691	
Client Field no	**90536**	**877798**	**90534**	**90836**	**90812**	**877794**	**878198**	**90520**	**90604**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.12	39.17	31.89	34.07	24.36	38.83	31.65	29.19	26.46
Screening weights									
[illegible] mm wet kg	26.52	11.06	16.88	6.95	11.40	20.64	10.58	13.51	18.93
[illegible] mm wet kg	4.42	16.42	9.81	13.06	6.75	12.20	14.08	7.25	3.40
[illegible] mm wet kg	1.82	3.88	3.41	2.78	2.89	2.66	3.93	3.11	1.47
0.86+0.25 mm dry kg	1.19	4.47	3.01	3.70	1.56	2.03	6.12	1.70	0.54
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	14	45	16	22	7	13	109	11	3
Weakly magnetic fraction g	3	16	8	12	3	4	22	4	1
Non magnetic fraction g	1175	4409	2986	3668	1547	2013	5991	1680	537
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	17.0	62.0	23.0	35.0	10.0	18.0	131.0	16.0	**3.4**
TBE(<2.96 g/cc) float g	8.2	33.6	15.8	25.1	7.1	11.7	55.9	11.5	
TBE(>2.96 g/cc) sink g	**8.8**	**28.4**	**7.2**	**9.9**	**2.9**	**6.3**	**75.1**	**4.5**	
MI (<3.32 g/cc) float g		5.6					20.6		
MI(>3.32 g/cc) sink g		**22.8**					**54.5**		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3601	3602	3603	3604	3605	3606	3607	3608	3609
-0.86+0.25 mm concentrate no	H04-4692	H04-4693	H04-4694	H04-4695	H04-4696	H04-4697	H04-4698		H04-4699
Client Field no	**90622**	**90589**	**90628**	**90788**	**878190**	**90831**	**877787**	**887975**	**877776**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	31.28	39.93	40.95	25.67	36.29	31.02	41.47	35.27	41.40
Screening weights									
[illegible] mm wet kg	14.59	10.61	13.74	11.50	16.28	11.21	11.70	18.98	11.24
[illegible] wet kg	9.33	13.43	13.89	6.24	14.77	8.02	10.94	8.50	8.24
[illegible] wet kg	2.51	2.48	2.94	1.77	4.70	2.97	2.76	1.58	3.36
0.86 to 0.25 mm dry kg	2.18	3.74	3.90	2.13	4.69	2.12	2.68	1.47	2.32
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	23	45	46	26	63	12	32	3	29
Weakly magnetic fraction g	8	23	15	5	20	6	12	0	8
Non magnetic fraction g	2148	3671	3834	2098	4603	2104	2633	1465	2281
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	31.0	67.0	62.0	30.0	83.0	18.0	44.0	**3.0**	38.0
TBE(<2.96 g/cc) float g	20.3	57.8	44.1	14.1	31.5	13.4	36.3		24.7
TBE(>2.96 g/cc) sink g	**10.7**	**9.2**	**17.9**	**15.9**	**51.5**	**4.6**	**7.7**		**13.3**
MI (<3.32 g/cc) float g	2.6		4.4	5.4	9.0				3.3
MI(>3.32 g/cc) sink g	**8.1**		**13.5**	**10.3**	**42.3**				**9.9**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3610	3611	3612	3613	3614	3615	3616	3617	3618
-0.86+0.25 mm concentrate no				H04-4700	H04-4701	H04-4702	H04-4703	H04-4704	H04-4705
Client Field no	**90684**	**887454**	**90699**	**90819**	**90691**	**90629**	**877786**	**90581**	**90576**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.58	34.23	26.00	31.72	27.41	37.27	40.33	37.68	29.02
Screening weights									
[illegible] mm wet kg	14.95	12.34	12.54	13.64	14.03	14.21	8.14	13.42	18.34
[illegible] mm wet kg	5.33	11.17	6.65	13.20	11.97	16.08	16.91	12.57	5.36
[illegible] mm wet kg	2.81	2.15	2.55	3.66	4.30	4.16	3.28	2.49	2.17
-0.86+0.25 mm dry kg	1.00	1.52	1.43	3.88	5.09	4.12	4.36	2.63	0.88
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	2	3	3	25	20	46	49	24	6
Weakly magnetic fraction g	1	1	1	9	3	17	25	9	2
Non magnetic fraction g	998	1513	1428	3844	5066	4055	4285	2593	875
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	**3.8**	**3.8**	**4.1**	34.0	23.0	63.0	74.0	33.0	8.0
TBE(<2.96 g/cc) float g				23.9	11.4	32.1	61.5	26.3	4.8
TBE(>2.96 g/cc) sink g				**10.1**	**11.6**	**30.9**	**12.5**	**6.7**	**3.2**
MI (<3.32 g/cc) float g				4.0	3.0	4.5	4.7		
MI(>3.32 g/cc) sink g				**6.1**	**8.5**	**26.4**	**7.7**		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3619	3620	3621	3622	3623	3624	3625	3626	3627
-0.86+0.25 mm concentrate no	H04-4706	H04-4707	H04-4708	H04-4709	H04-4710	H04-4711	H04-4712	H04-4713	
Client Field no	**878195**	**877778**	**90627**	**90860**	**90630**	**90818**	**877800**	**90692**	**90824**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	36.91	40.27	36.94	25.37	35.99	33.66	41.65	28.43	22.49
Screening weights									
[illegible] mm wet kg	13.67	10.89	12.76	11.95	19.36	8.13	14.64	13.16	13.07
[illegible] wet kg	15.17	16.21	10.73	6.87	11.41	10.07	10.32	10.52	5.30
[illegible] mm wet kg	2.57	3.90	2.23	2.72	4.24	2.01	2.78	4.06	2.10
[illegible] 25 mm dry kg	5.68	3.37	2.87	2.34	2.88	4.08	3.00	3.28	0.91
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	46	35	33	29	31	25	43	21	3
Weakly magnetic fraction g	25	15	10	7	10	20	17	4	1
Non magnetic fraction g	5608	3317	2829	2304	2841	4032	2937	3253	907
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	70.0	50.0	44.0	37.0	41.0	45.0	60.0	25.0	**3.5**
TBE(<2.96 g/cc) float g	47.4	37.6	31.4	23.1	21.5	38.0	41.0	12.4	
TBE(>2.96 g/cc) sink g	**22.6**	**12.4**	**12.6**	**13.9**	**19.5**	**7.0**	**19.0**	**12.6**	
MI (<3.32 g/cc) float g	4.7	3.8	2.7	3.4	2.8		4.2	2.8	
MI(>3.32 g/cc) sink g	**17.8**	**8.5**	**9.8**	**10.3**	**16.7**		**14.9**	**9.8**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3628	3629	3630	3631	3632	3633	3634	3635	3636
-0.86+0.25 mm concentrate no		H04-4714	H04-4715	H04-4716			H04-4717	H04-4718	H04-4719
Client Field no	**90829**	**90585**	**886915**	**90815**	**90826**	**90578**	**90821**	**90626**	**90775**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	23.29	40.93	30.49	26.35	22.69	31.26	23.01	36.38	32.80
Screening weights									
[illegible] mm wet kg	11.91	11.25	14.65	10.52	14.54	19.30	12.25	14.71	14.22
[illegible] wet kg	4.69	12.20	9.32	9.32	4.98	8.06	6.04	15.37	11.44
[illegible] wet kg	1.62	3.68	2.55	3.45	2.44	3.30	2.29	3.71	2.43
[illegible] mm dry kg	0.81	3.04	2.12	2.25	1.20	1.82	1.43	4.97	3.02
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	2	41	6	7	4	3	5	70	22
Weakly magnetic fraction g	1	18	2	4	1	1	3	34	8
Non magnetic fraction g	812	2984	2106	2242	1197	1819	1424	4864	2985
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	**2.8**	59.0	9.0	11.0	**4.8**	**3.5**	8.0	104.0	29.0
TBE(<2.96 g/cc) float g		49.6	6.0	8.3			6.3	56.4	19.2
TBE(>2.96 g/cc) sink g		**9.4**	**3.0**	**2.7**			**1.7**	**47.6**	**9.8**
MI (<3.32 g/cc) float g								5.4	
MI(>3.32 g/cc) sink g								**42.4**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3637	3638	3639	3640	3641	3642	3643	3644	3645
-0.86+0.25 mm concentrate no	H04-4720		H04-4721	H04-4722	H04-4723	H04-4724	H04-4725	H04-4726	H04-4727
Client Field no	**90587**	**90896**	**90767**	**90875**	**90811**	**90690**	**90873**	**90884**	**90681**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.13	21.69	23.60	24.52	22.51	31.27	23.33	29.71	23.87
Screening weights									
[illegible] mm wet kg	13.16	13.82	10.19	12.88	12.05	10.93	15.11	17.37	12.28
[illegible] wet kg	10.04	4.60	6.26	7.10	5.82	7.16	4.81	6.83	5.07
[illegible] mm wet kg	2.88	1.53	1.48	1.88	2.13	2.43	1.94	2.43	1.95
-0.86+0.25 mm dry kg	2.46	1.06	1.32	1.87	1.42	1.93	1.03	1.66	1.02
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	46	3	32	13	6	13	5	10	4
Weakly magnetic fraction g	23	1	5	7	3	3	1	4	1
Non magnetic fraction g	2390	1051	1279	1850	1408	1912	1025	1641	1015
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	69.0	**4.0**	38.0	20.0	8.0	16.0	6.0	14.0	5.0
TBE(<2.96 g/cc) float g	60.4		23.1	15.0	5.5	7.8	3.8	10.7	3.4
TBE(>2.96 g/cc) sink g	**8.6**		**14.9**	**5.0**	**2.5**	**8.2**	**2.2**	**3.3**	**1.6**
MI (<3.32 g/cc) float g			7.1						
MI(>3.32 g/cc) sink g			**7.9**						
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3646	3647	3648	3649	3650	3651	3652	3653	3654
-0.86+0.25 mm concentrate no		H04-4728	H04-4729	H04-4730	H04-4731	H04-4732	H04-4733	H04-4734	H04-4735
Client Field no	**90871**	**90647**	**90687**	**90783**	**90817**	**90697**	**90688**	**877788**	**90864**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	22.67	31.14	23.24	21.21	26.42	27.04	23.85	39.56	23.19
Screening weights									
+2.7 mm wet kg	14.83	8.17	13.50	11.30	15.43	16.59	13.14	9.49	13.31
-2.7+0.86 mm wet kg	5.54	10.86	4.22	2.95	6.96	7.40	4.75	14.82	5.92
-0.86+0.25 mm wet kg	2.71	2.80	1.50	0.90	1.58	2.90	1.95	2.50	2.04
-0.86+0.25 mm dry kg	1.20	2.88	1.33	0.68	1.77	2.02	1.26	3.70	1.62
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	2	13	6	5	17	13	6	45	16
Weakly magnetic fraction g	1	7	3	2	6	6	2	23	4
Non magnetic fraction g	1199	2859	1324	672	1745	2004	1252	3628	1602
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	3.1	20.0	10.0	7.0	23.0	18.0	7.0	68.0	21.0
TBE(<2.96 g/cc) float g		15.3	7.0	4.4	13.9	11.6	3.5	56.8	13.3
TBE(>2.96 g/cc) sink g		4.7	3.0	2.6	9.1	6.4	3.5	11.2	7.7
MI (<3.32 g/cc) float g								3.8	
MI(>3.32 g/cc) sink g								7.4	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04	16-Nov-04

VIPI sample no	3655
-0.86+0.25 mm concentrate no	H04-4736
Client Field no	**90813**
Client	Twin Mining
As-received wt kg	23.23
Screening weights	
+2 mm wet kg	14.06
-2 mm wet kg	6.31
-2+0.86 mm wet kg	2.14
-0.86+0.25 mm dry kg	1.45
Magnetic Processing -0.86+0.25 mm	
Strongly magnetic fraction g	6
Weakly magnetic fraction g	3
Non magnetic fraction g	1445
Heavy Liquid processing -0.86+.25mm	
Start weight for heavy liquids g	8.0
TBE(<2.96 g/cc) float g	6.0
TBE(>2.96 g/cc) sink g	2.0
MI (<3.32 g/cc) float g	
MI(>3.32 g/cc) sink g	
Work record	
Date sample received	28-Sep-04
Date concentrate shipped	16-Nov-04

VIPI sample no	3656	3657	3658	3659	3660	3661	3662	3663	3664
-0.86+0.25 mm concentrate no	H04-6027	H04-6028	H04-6029	H04-6030		H04-6031	H04-6032	H04-6033	H04-6034
Client Field no	**90863**	**90694**	**90695**	**90877**	**90682**	**90634**	**90879**	**90760**	**90851**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.25	26.41	24.12	21.07	25.55	43.99	27.25	25.48	25.39
Screening weights									
[illegible] mm wet kg	13.93	13.30	14.63	12.94	12.41	19.54	15.42	12.60	13.97
[illegible] wet kg	8.03	5.28	5.27	3.30	5.89	16.14	7.36	10.30	6.39
[illegible] mm wet kg	3.01	1.30	1.51	1.30	1.91	3.60	1.50	4.97	2.72
-0.86+0.25 mm dry kg	2.58	1.28	1.29	0.57	1.15	3.62	2.33	3.18	1.36
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	52	42	22	4	3	66	37	34	7
Weakly magnetic fraction g	45	25	16	2	1	56	42	45	3
Non magnetic fraction g	2482	1211	1247	566	1145	3495	2252	3104	1353
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	98.0	67.0	38.0	6.0	**3.3**	122.0	79.0	79.0	10.0
TBE(<2.96 g/cc) float g	82.8	39.7	28.1	4.5		102.2	72.2	71.8	7.7
TBE(>2.96 g/cc) sink g	15.2	27.3	**9.9**	**1.5**		19.8	**6.8**	**7.2**	**2.3**
MI (<3.32 g/cc) float g	2.7	0.7				3.2			
MI(>3.32 g/cc) sink g	**12.6**	**26.9**				**16.7**			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3665	3666	3667	3668	3669	3670	3671	3672	3673
-0.86+0.25 mm concentrate no	H04-6035	H04-6036		H04-6037	H04-6038	H04-6039	H04-6040		
Client Field no	**877785**	**90631**	**90689**	**886906**	**888051**	**888069**	**887464**	**887456**	**887458**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	38.02	34.12	25.40	32.09	33.80	31.14	35.78	36.13	36.45
Screening weights									
[illegible] mm wet kg	7.24	13.91	15.48	10.94	24.62	22.95	22.01	24.70	23.57
[illegible] wet kg	15.08	13.56	3.91	13.47	5.85	8.64	7.60	5.56	8.47
[illegible] mm wet kg	2.48	3.04	1.38	2.73	2.17	4.35	1.84	1.75	3.35
[illegible] mm dry kg	3.53	2.64	0.88	3.42	1.83	2.21	1.99	0.74	1.52
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	63	46	3	49	31	11	13	2	4
Weakly magnetic fraction g	58	37	1	63	31	3	4	1	0
Non magnetic fraction g	3404	2558	871	3310	1771	2194	1969	736	1515
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	121.0	84.0	**4.3**	112.0	62.0	15.0	17.0	**2.9**	**4.1**
TBE(<2.96 g/cc) float g	111.8	67.5		106.3	50.5	8.2	10.5		
TBE(>2.96 g/cc) sink g	**9.2**	16.5		**5.7**	11.5	**6.8**	**6.5**		
MI (<3.32 g/cc) float g		2.4			1.8				
MI(>3.32 g/cc) sink g		**14.1**			**9.7**				
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3674	3675	3676	3677	3678	3679	3680	3681	3682
-0.86+0.25 mm concentrate no	H04-6041			H04-6042	H04-6043	H04-6044	H04-6045	H04-6046	H04-6047
Client Field no	**878155**	**887967**	**888055**	**888053**	**886941**	**888077**	**878161**	**888092**	**887971**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	42.79	35.18	35.68	40.18	39.01	31.80	31.86	31.00	40.50
Screening weights									
[illegible] mm wet kg	12.70	24.88	14.39	23.00	16.88	13.95	17.76	21.01	17.71
[illegible] wet kg	14.15	6.96	11.12	12.11	13.47	9.03	9.31	5.57	14.91
[illegible] mm wet kg	3.00	1.95	1.40	2.92	4.79	2.13	3.00	1.86	3.53
[illegible] mm dry kg	3.85	1.49	1.28	2.54	3.01	3.28	1.77	1.69	5.32
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	76	3	2	32	40	30	27	13	116
Weakly magnetic fraction g	69	1	1	39	30	32	26	7	104
Non magnetic fraction g	3708	1486	1273	2464	2939	3221	1712	1671	5101
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	145.0	**3.9**	**2.9**	71.0	70.0	62.0	53.0	20.0	220.0
TBE(<2.96 g/cc) float g	135.5			66.9	55.8	54.0	47.5	15.5	201.8
TBE(>2.96 g/cc) sink g	**9.5**			**4.1**	14.2	**8.0**	**5.5**	**4.5**	18.2
MI (<3.32 g/cc) float g					2.7				6.0
MI(>3.32 g/cc) sink g					**11.5**				**12.3**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3683	3684	3685	3686	3687	3688	3689	3690	3691
-0.86+0.25 mm concentrate no	H04-6048				H04-6049	H04-6050		H04-6051	
Client Field no	**886945**	**887455**	**886912**	**887953**	**887453**	**878154**	**886917**	**888095**	**888070**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.51	35.59	33.44	33.27	40.20	42.08	31.57	32.99	30.37
Screening weights									
[illegible] mm wet kg	13.05	21.02	18.91	11.40	21.08	7.37	14.41	16.66	13.88
[illegible] wet kg	10.92	7.99	6.90	16.03	11.07	20.67	9.06	11.98	11.41
[illegible] mm wet kg	3.44	1.79	1.36	2.41	3.58	4.06	1.50	1.47	2.18
[illegible] 25 mm dry kg	2.97	1.16	0.85	1.41	1.83	4.72	0.84	3.57	1.46
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	24	2	2	3	15	80	2	76	2
Weakly magnetic fraction g	26	1	1	1	22	65	1	76	1
Non magnetic fraction g	2920	1160	847	1396	1791	4572	841	3412	1459
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	50.0	**2.6**	**2.7**	**4.7**	37.0	145.0	**3.4**	152.0	**2.9**
TBE(<2.96 g/cc) float g	41.7				34.8	135.5		147.5	
TBE(>2.96 g/cc) sink g	**8.3**				**2.2**	**9.5**		**4.5**	
MI (<3.32 g/cc) float g									
MI(>3.32 g/cc) sink g									
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3692	3693	3694	3695	3696	3697	3698	3699	3700
-0.86+0.25 mm concentrate no	H04-6052	H04-6053	H04-6054	H04-6055	H04-6056	H04-6057	H04-6058	H04-6059	H04-6060
Client Field no	**886946**	**887459**	**887489**	**888099**	**878152**	**878151**	**888061**	**888059**	**91599**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	37.07	39.21	41.85	32.31	41.69	37.82	36.40	36.37	31.83
Screening weights									
[illegible] wt kg	20.16	13.77	16.63	15.41	11.85	16.15	17.42	21.59	6.35
[illegible] wt kg	8.85	15.87	14.23	11.57	16.64	10.02	15.25	10.95	17.81
[illegible] wt kg	3.77	3.23	3.35	1.94	3.81	2.92	4.35	2.94	3.12
[illegible] 0.25 mm dry kg	1.88	1.69	3.11	1.57	3.36	2.12	4.68	2.10	4.86
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	26	5	49	5	48	40	102	17	132
Weakly magnetic fraction g	34	2	39	1	46	38	75	14	105
Non magnetic fraction g	1824	1677	3021	1566	3269	2037	4497	2074	4619
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	60.0	7.0	89.0	7.0	94.0	78.0	177.0	29.0	236.0
TBE(<2.96 g/cc) float g	53.5	4.0	72.1	4.5	81.6	67.8	166.5	23.5	221.6
TBE(>2.96 g/cc) sink g	**6.5**	**3.0**	16.9	**2.5**	12.4	10.2	10.5	**5.5**	14.4
MI (<3.32 g/cc) float g			3.6		3.7	2.5	2.0		3.0
MI(>3.32 g/cc) sink g			**13.4**		**8.7**	**7.8**	**8.5**		**11.4**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3701	3702	3703	3704	3705	3706	3707	3708	3709
-0.86+0.25 mm concentrate no	H04-6061	H04-6062	H04-6063	H04-6064	H04-6065	H04-6066	H04-6067	H04-6068	H04-6069
Client Field no	**91848**	**91609**	**91595**	**91511**	**91577**	**91603**	**91854**	**91616**	**90563**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	22.11	28.21	34.04	29.51	31.15	37.88	25.35	34.11	36.78
Screening weights									
[illegible] wt kg	8.87	11.81	9.44	9.13	12.53	8.48	8.13	19.17	4.72
[illegible] wt kg	7.30	11.08	14.71	17.94	10.91	13.31	6.20	11.03	28.99
[illegible] wt kg	2.18	3.87	3.74	3.52	3.96	2.69	2.28	3.40	1.41
[illegible] dry kg	1.75	2.60	3.69	7.81	2.81	3.83	1.34	3.78	14.29
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	50	37	49	110	12	109	28	71	103
Weakly magnetic fraction g	33	36	55	89	8	94	22	75	52
Non magnetic fraction g	1667	2528	3584	7612	2793	3624	1286	3633	14141
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	82.0	73.0	104.0	199.0	20.0	203.0	50.0	146.0	155.0
TBE(<2.96 g/cc) float g	56.0	63.3	99.5	175.7	16.0	186.4	41.8	135.2	134.8
TBE(>2.96 g/cc) sink g	26.0	**9.7**	**4.5**	23.3	**4.0**	16.6	**8.2**	10.8	20.2
MI (<3.32 g/cc) float g	2.0			5.3		3.4		1.7	6.1
MI(>3.32 g/cc) sink g	**24.1**			**18.1**		**13.3**		**9.1**	**14.1**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3710	3711	3712	3713	3714	3715	3716	3717	3718
-0.86+0.25 mm concentrate no	H04-6070	H04-6071	H04-6072		H04-6073	H04-6074	H04-6075	H04-6076	H04-6077
Client Field no	**91849**	**91582**	**90987**	**90921**	**91590**	**91853**	**91587**	**91823**	**91631**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	34.56	28.76	36.79	22.81	31.25	34.01	28.20	28.20	25.52
Screening weights									
[illegible] wet kg	6.68	7.43	11.15	13.10	10.39	11.45	9.58	5.96	12.42
[illegible] wet kg	16.01	14.46	11.57	3.16	12.38	11.32	9.25	11.46	9.27
[illegible] wet kg	2.75	2.49	4.18	1.28	4.44	3.22	2.33	2.53	2.57
[illegible] 0.25 mm dry kg	3.70	3.93	1.99	0.50	3.49	3.00	2.33	4.48	2.69
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	81	84	220	1	50	60	30	138	50
Weakly magnetic fraction g	73	102	114	1	44	56	36	107	44
Non magnetic fraction g	3549	3743	1660	494	3398	2886	2264	4230	2599
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	154.0	187.0	334.0	**1.5**	94.0	115.0	65.6	245.0	94.0
TBE(<2.96 g/cc) float g	130.2	176.1	330.0		77.3	101.7	59.8	190.8	73.6
TBE(>2.96 g/cc) sink g	23.8	10.9	**4.0**		16.7	13.3	**5.8**	54.2	20.4
MI (<3.32 g/cc) float g	4.1	2.5			2.6	2.7		6.2	2.6
MI(>3.32 g/cc) sink g	**19.8**	**8.5**			**14.0**	**10.6**		**48.9**	**18.0**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3719	3720	3721	3722	3723	3724	3725	3726	3727
-0.86+0.25 mm concentrate no	H04-6078	H04-6079	H04-6080	H04-6081	H04-6082	H04-6083	H04-6084	H04-6085	H04-6086
Client Field no	**91606**	**91850**	**91610**	**91605**	**91596**	**91608**	**91821**	**91634**	**91593**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.30	35.62	32.74	39.35	33.59	31.23	41.73	33.99	28.08
Screening weights									
[illegible] mm wet kg	8.00	14.97	11.51	12.76	8.61	9.40	11.75	15.21	10.07
[illegible] wet kg	14.99	10.75	14.18	14.79	13.33	14.60	13.29	12.96	9.57
[illegible] mm wet kg	1.91	3.02	4.10	4.16	3.42	4.69	3.10	4.26	2.60
0.86+0.25 mm dry kg	3.25	2.59	3.80	4.01	3.18	4.30	3.48	3.48	3.77
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	165	55	67	92	43	106	75	89	29
Weakly magnetic fraction g	88	51	77	86	56	125	69	80	33
Non magnetic fraction g	2992	2482	3653	3831	3077	4064	3336	3601	1996
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	253.0	105.0	144.0	177.0	99.0	230.0	144.0	169.0	62.0
TBE(<2.96 g/cc) float g	242.5	93.2	133.3	154.1	94.5	205.3	123.8	138.0	57.5
TBE(>2.96 g/cc) sink g	10.5	11.8	10.7	22.9	**4.5**	24.7	20.2	31.0	**4.5**
MI (<3.32 g/cc) float g	2.9	3.7	2.5	4.3		3.9	3.5	3.9	
MI(>3.32 g/cc) sink g	**7.6**	**8.1**	**8.2**	**18.6**		**20.7**	**16.8**	**27.5**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3728	3729	3730	3731	3732	3733	3734	3735	3736
-0.86+0.25 mm concentrate no	H04-6087	H04-6088	H04-6089	H04-6090	H04-6091	H04-6092	H04-6093	H04-6094	H04-6095
Client Field no	**91594**	**91592**	**91576**	**91578**	**91583**	**91572**	**90522**	**91814**	**90656**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	35.59	40.69	33.35	31.75	30.65	36.15	31.11	25.54	20.60
Screening weights									
[illegible] wet kg	11.09	14.15	11.13	11.24	10.32	10.48	16.74	7.56	10.81
[illegible] wet kg	12.76	14.96	13.99	9.54	14.66	10.49	7.94	9.54	5.29
[illegible] wet kg	3.71	4.76	2.92	3.32	3.35	3.02	2.69	1.60	1.81
[illegible] mm dry kg	3.16	4.49	3.21	2.55	4.20	3.47	1.60	2.46	1.21
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	53	208	42	52	146	70	4	47	19
Weakly magnetic fraction g	59	143	52	58	112	81	1	48	11
Non magnetic fraction g	3051	4139	3119	2435	3947	3313	1590	2363	1183
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	112.0	350.0	94.0	111.0	257.0	151.0	6.0	95.0	31.0
TBE(<2.96 g/cc) float g	106.9	340.3	89.2	106.8	247.4	143.9	4.6	85.6	23.1
TBE(>2.96 g/cc) sink g	**5.1**	**9.7**	**4.8**	**4.2**	**9.6**	**7.1**	**1.4**	**9.4**	**7.9**
MI (<3.32 g/cc) float g									
MI(>3.32 g/cc) sink g									
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3737	3738	3739	3740	3741	3742	3743	3744	3745
-0.86+0.25 mm concentrate no		H04-6096	H04-6097		H04-6098	H04-6099	H04-6100	H04-6101	H04-6102
Client Field no	**90663**	**90785**	**90751**	**887958**	**90878**	**90943**	**90894**	**90978**	**90525**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	21.52	29.76	24.12	28.76	21.90	23.82	29.23	26.77	25.08
Screening weights									
[illegible] mm wet kg	11.17	13.77	12.11	27.78	11.84	11.61	13.85	17.62	15.13
[illegible] wet kg	5.12	8.70	7.80	2.57	6.35	6.41	10.10	6.70	2.99
[illegible] 50 mm wet kg	1.77	2.81	2.53	1.65	2.09	2.80	4.61	2.31	0.60
[illegible] 0.25 mm dry kg	1.16	2.12	1.79	0.42	1.42	1.45	2.78	1.28	0.50
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	4	30	29	0	19	34	44	8	5
Weakly magnetic fraction g	1	33	25	0	17	20	44	6	2
Non magnetic fraction g	1158	2055	1730	419	1381	1395	2696	1268	495
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	**4.9**	63.0	54.0	**0.2**	36.0	55.0	88.0	14.0	7.0
TBE(<2.96 g/cc) float g		57.6	47.4		30.7	39.0	82.6	11.9	4.5
TBE(>2.96 g/cc) sink g		**5.4**	**6.6**		**5.3**	16.0	**5.4**	**2.1**	**2.5**
MI (<3.32 g/cc) float g						2.7			
MI(>3.32 g/cc) sink g						**13.5**			
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3746	3747	3748	3749	3750	3751	3752	3753	3754
-0.86+0.25 mm concentrate no		H04-6103	H04-6104	H04-6105	H04-6106	H04-6107	H04-6108	H04-6109	H04-6110
Client Field no	**887952**	**90862**	**90771**	**90882**	**887893**	**887969**	**90957**	**90575**	**90780**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	32.74	22.97	25.32	23.13	30.82	31.50	23.33	26.98	34.46
Screening weights									
[illegible] mm wet kg	15.09	12.54	13.90	11.50	12.18	17.64	14.54	12.00	10.10
[illegible] wet kg	8.88	4.69	5.12	7.50	14.13	7.06	6.20	8.08	2.40
[illegible] mm wet kg	1.41	1.50	2.17	2.91	2.40	1.47	2.38	2.60	1.10
-0.86+0.25 mm dry kg	1.09	0.99	1.15	2.20	4.46	2.67	1.32	1.79	0.63
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	1	36	23	55	144	69	18	40	6
Weakly magnetic fraction g	0	20	16	48	122	57	17	38	2
Non magnetic fraction g	1089	937	1113	2095	4196	2540	1287	1713	620
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	**1.4**	57.0	40.0	103.0	266.0	126.0	35.0	78.0	8.0
TBE(<2.96 g/cc) float g		41.7	31.9	96.6	252.1	118.4	32.0	73.1	5.0
TBE(>2.96 g/cc) sink g		15.3	**8.1**	**6.4**	13.9	**7.6**	**3.0**	**4.9**	**3.0**
MI (<3.32 g/cc) float g		3.1			5.7				
MI(>3.32 g/cc) sink g		**12.3**			**8.3**				
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04	09-Dec-04

VIPI sample no	3755
-0.86+0.25 mm concentrate no	H04-6111
Client Field no	**90761**
Client	Twin Mining
As-received wt kg	27.21
Screening weights	
+2 mm wet kg	14.34
-2 mm wet kg	8.25
-2+0.86 mm wet kg	2.86
-0.86+0.25 mm dry kg	2.31
Magnetic Processing -0.86+0.25 mm	
Strongly magnetic fraction g	41
Weakly magnetic fraction g	43
Non magnetic fraction g	2222
Heavy Liquid processing -0.86+.25mm	
Start weight for heavy liquids g	85.0
TBE(<2.96 g/cc) float g	79.1
TBE(>2.96 g/cc) sink g	5.9
MI (<3.32 g/cc) float g	
MI(>3.32 g/cc) sink g	
Work record	
Date sample received	28-Sep-04
Date concentrate shipped	09-Dec-04

VIPI sample no	3756	3757	3758	3759	3760	3761	3762	3763	3764
-0.86+0.25 mm concentrate no	H04-6863	H04-6864	H04-6865	H04-6866	H04-6867	H04-6868	H04-6869	H04-6870	H04-6871
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**877796**	**90880**	**90768**	**90859**	**90765**	**91835**	**887955**	**887995**	**90933**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	35.29	23.80	24.73	36.72	25.67	25.44	34.02	38.25	21.61
Screening weights									
[illegible] wet kg	18.88	13.68	11.58	14.04	12.81	14.63	17.42	14.56	10.92
[illegible] wet kg	12.46	5.64	4.28	12.24	7.25	7.65	6.38	12.51	4.91
[illegible] wet kg	3.22	1.43	1.43	2.62	2.40	2.88	1.74	3.15	1.83
[illegible] dry kg	2.66	1.09	1.24	2.90	1.98	1.88	1.58	2.28	1.29
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	73	19	17	60	31	22	7	4	17
Weakly magnetic fraction g	71	17	17	68	28	39	7	2	23
Non magnetic fraction g	2512	1053	1203	2772	1918	1815	1565	2272	1246
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	144.0	36.0	34.0	128.0	59.0	61.0	14.0	6.0	39.0
TBE(<2.96 g/cc) float g	123.3	29.7	27.8	117.6	51.0	58.3	12.4	3.8	34.0
TBE(>2.96 g/cc) sink g	20.7	**6.3**	**6.2**	10.4	**8.0**	**2.7**	**1.6**	**2.2**	**5.0**
MI (<3.32 g/cc) float g	3.5			3.7					
MI(>3.32 g/cc) sink g	**17.2**			**6.7**					
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3765	3766	3767	3768	3769	3770	3771	3772	3773
-0.86+0.25 mm concentrate no	H04-6872	H04-6873		H04-6874		H04-6875	H04-6876	H04-6877	H04-6878
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**90918**	**888073**	**886908**	**887980**	**887965**	**887462**	**887962**	**887968**	**887997**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.73	29.04	32.93	31.81	34.15	35.81	32.00	40.73	37.64
Screening weights									
[illegible] wet kg	6.06	12.90	12.07	17.06	18.81	17.33	18.01	23.23	16.84
[illegible] wet kg	5.88	6.88	8.65	11.94	5.81	10.55	7.05	13.61	11.19
[illegible] wet kg	0.82	1.36	1.79	1.99	1.37	1.60	1.59	2.11	1.80
[illegible] dry kg	1.48	2.55	1.79	1.89	1.24	2.11	1.57	5.14	1.67
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	25	43	3	5	3	49	9	117	6
Weakly magnetic fraction g	34	76	1	1	1	57	3	148	4
Non magnetic fraction g	1418	2430	1782	1880	1234	2004	1562	4875	1659
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	59.0	120.0	**4.1**	6.0	**4.1**	106.0	12.0	264.0	10.0
TBE(<2.96 g/cc) float g	56.2	115.5		2.9		93.3	8.9	249.7	7.8
TBE(>2.96 g/cc) sink g	**2.8**	**4.5**		**3.1**		12.7	**3.1**	14.3	**2.2**
MI (<3.32 g/cc) float g						1.4		4.4	
MI(>3.32 g/cc) sink g						**11.4**		**10.1**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3774	3775	3776	3777	3778	3779	3780	3781	3782
-0.86+0.25 mm concentrate no	H04-6879	H04-6880		H04-6881	H04-6882	H04-6883	H04-6884	H04-6885	H04-6886
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**878172**	**878177**	**886902**	**878175**	**887964**	**888065**	**887460**	**886947**	**887493**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	44.83	44.05	33.86	42.29	34.62	33.93	40.52	32.99	36.24
Screening weights									
+[illegible] mm wet kg	23.61	17.87	16.60	15.55	21.77	19.00	13.08	18.57	16.13
[illegible] wet kg	12.17	12.76	10.98	14.92	6.96	8.65	10.85	10.43	9.55
[illegible] mm wet kg	2.92	2.14	2.41	2.62	1.68	1.74	2.71	3.78	1.89
0.86+0.25 mm dry kg	3.48	3.52	1.98	3.78	1.45	2.18	1.81	2.83	2.21
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	79	108	3	79	6	43	14	39	31
Weakly magnetic fraction g	84	106	1	92	6	46	30	52	36
Non magnetic fraction g	3321	3302	1975	3605	1436	2090	1763	2734	2145
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	163.0	214.0	**4.4**	170.0	12.0	89.0	44.0	90.0	66.0
TBE(<2.96 g/cc) float g	147.1	198.0		156.7	10.8	86.0	42.3	78.9	55.2
TBE(>2.96 g/cc) sink g	15.9	16.0		13.3	1.2	**3.0**	**1.7**	11.1	10.8
MI (<3.32 g/cc) float g	3.6	5.1		3.5				0.8	1.4
MI(>3.32 g/cc) sink g	**12.4**	**10.9**		**9.8**				**10.4**	**9.6**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3783	3784	3785	3786	3787	3788	3789	3790	3791
-0.86+0.25 mm concentrate no	H04-6887	H04-6888	H04-6889	H04-6890	H04-6891	H04-6892	H04-6893	H04-6894	H04-6895
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**878179**	**878158**	**878171**	**888071**	**886920**	**887996**	**886919**	**888085**	**887966**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	40.07	36.14	42.62	32.43	40.83	37.38	41.21	32.56	35.95
Screening weights									
[illegible] mm wet kg	10.07	21.85	17.97	11.45	8.90	8.57	9.03	10.80	8.13
[illegible] wet kg	13.15	10.05	13.85	11.67	12.88	14.58	21.07	8.91	19.27
[illegible] mm wet kg	2.28	3.42	3.85	1.77	2.30	3.19	2.34	1.55	1.45
-0.86+0.25 mm dry kg	4.08	2.58	2.93	2.57	3.03	3.09	10.18	1.46	1.88
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	88	53	46	54	56	31	384	7	69
Weakly magnetic fraction g	99	57	41	67	74	48	472	9	91
Non magnetic fraction g	3892	2467	2846	2449	2897	3014	9325	1448	1717
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	187.0	109.0	87.0	121.0	130.0	79.0	855.0	16.0	160.0
TBE(<2.96 g/cc) float g	178.3	95.9	77.7	116.5	115.1	75.8	808.1	14.3	155.3
TBE(>2.96 g/cc) sink g	**8.7**	13.1	**9.3**	**4.5**	14.9	**3.2**	46.9	**1.7**	**4.7**
MI (<3.32 g/cc) float g		2.4			1.9		7.9		
MI(>3.32 g/cc) sink g		**10.7**			**13.1**		**39.3**		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3792	3793	3794	3795	3796	3797	3798	3799	3800
-0.86+0.25 mm concentrate no	H04-6896		H04-6897	H04-6898	H04-6899			H04-6900	
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**878173**	**887986**	**878178**	**878176**	**887987**	**886909**	**91907**	**91913**	**91902**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	42.49	38.17	42.77	43.97	34.87	37.45	19.70	23.83	17.88
Screening weights									
+2 mm wet kg	14.57	16.37	12.85	14.18	15.57	18.28	12.07	13.31	11.20
[illegible] wet kg	10.26	10.07	18.92	11.51	10.01	7.14	2.84	9.10	4.64
[illegible] mm wet kg	2.89	1.36	2.84	2.50	2.42	2.22	1.36	2.80	1.82
0.86+0.25 mm dry kg	2.77	1.29	3.99	3.24	1.89	1.22	0.46	4.15	0.91
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	61	3	88	64	25	2	2	73	2
Weakly magnetic fraction g	73	1	104	79	30	2	1	94	1
Non magnetic fraction g	2631	1282	3801	3101	1834	1211	453	3981	902
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	134.0	**3.2**	192.0	143.0	55.0	**4.0**	**3.1**	167.0	**3.0**
TBE(<2.96 g/cc) float g	127.3		178.8	134.5	45.8			159.6	
TBE(>2.96 g/cc) sink g	**6.7**		13.2	**8.5**	**9.2**			**7.4**	
MI (<3.32 g/cc) float g			4.8						
MI(>3.32 g/cc) sink g			**8.5**						
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3801	3802	3803	3804	3805	3806	3807	3808	3809
-0.86+0.25 mm concentrate no	H04-6901	H04-6902	H04-6903	H04-6904		H04-6905		H04-6906	
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**91921**	**91910**	**91919**	**91917**	**91904**	**91909**	**91911**	**91920**	**91903**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.99	26.79	25.82	24.33	23.62	25.78	23.17	25.61	23.77
Screening weights									
[illegible] mm wet kg	10.83	17.70	16.42	12.86	10.05	11.79	3.64	10.16	12.54
[illegible] mm wet kg	10.64	8.27	7.53	8.45	2.65	8.88	4.14	13.59	5.42
[illegible] mm wet kg	2.23	2.83	2.22	2.33	0.62	2.13	0.64	1.65	1.16
-0.86+0.25 mm dry kg	3.26	2.51	2.44	2.49	0.56	2.33	0.61	4.79	0.90
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	105	12	50	26	3	40	2	111	2
Weakly magnetic fraction g	144	7	68	31	2	54	1	144	1
Non magnetic fraction g	3006	2491	2318	2433	552	2234	604	4540	898
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	249.0	20.0	118.0	57.0	**4.5**	94.0	**2.7**	254.0	**3.2**
TBE(<2.96 g/cc) float g	242.5	17.1	110.3	50.7		89.7		245.1	
TBE(>2.96 g/cc) sink g	**6.5**	**2.9**	**7.7**	**6.3**		**4.3**		**8.9**	
MI (<3.32 g/cc) float g									
MI(>3.32 g/cc) sink g									
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3810	3811	3812	3813	3814	3815	3816	3817	3818
-0.86+0.25 mm concentrate no	H04-6907	H04-6908	H04-6909	H04-6910	H04-6911	H04-6912	H04-6913		H04-6914
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**91905**	**91912**	**91916**	**91915**	**91914**	**91901**	**91906**	**91908**	**91918**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	23.85	27.00	28.39	19.97	31.17	30.01	22.16	19.61	25.66
Screening weights									
+[illegible] mm wet kg	12.86	10.09	10.06	9.08	12.10	9.60	12.77	11.41	15.06
[illegible] wet kg	8.86	9.85	13.83	5.71	13.58	5.68	5.52	4.53	11.11
[illegible] mm wet kg	2.25	2.15	4.07	1.71	2.90	1.28	2.44	1.64	2.96
-0.86+0.25 mm dry kg	2.52	2.70	4.21	1.82	3.95	1.56	1.44	0.79	3.57
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	47	33	93	11	98	35	16	2	118
Weakly magnetic fraction g	65	52	130	6	127	45	20	1	154
Non magnetic fraction g	2405	2619	3985	1804	3724	1476	1402	784	3292
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	112.0	86.0	223.0	17.0	226.0	81.0	35.0	3.0	272.0
TBE(<2.96 g/cc) float g	107.8	82.6	215.7	11.7	214.0	75.9	31.1		258.5
TBE(>2.96 g/cc) sink g	4.2	3.4	7.3	5.3	12.0	5.1	3.9		13.5
MI (<3.32 g/cc) float g					1.9				2.5
MI(>3.32 g/cc) sink g					**10.1**				**11.0**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3819	3820	3821	3822	3823	3824	3825	3826	3827
-0.86+0.25 mm concentrate no	H04-6915	H04-6916	H04-6917	H04-6918	H04-6919	H04-6920	H04-6921	H04-6922	H04-6923
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**90808**	**887868**	**878191**	**90809**	**877799**	**878196**	**90806**	**90526**	**90540**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.14	40.81	42.56	24.58	34.43	36.97	23.56	34.99	34.79
Screening weights									
[illegible] mm wet kg	14.43	16.16	13.57	12.64	18.42	10.76	9.06	9.58	7.39
[illegible] wet kg	5.35	15.44	14.30	6.74	8.90	17.85	5.58	12.35	16.00
[illegible] mm wet kg	2.16	3.98	3.71	1.85	1.79	3.36	1.22	1.80	2.76
-0.86+0.25 mm dry kg	1.19	3.85	4.34	1.99	1.80	7.14	2.11	3.91	4.71
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	19	79	102	46	44	250	60	101	123
Weakly magnetic fraction g	24	79	85	42	54	288	76	52	135
Non magnetic fraction g	1149	3692	4155	1900	1698	6602	1979	3755	4450
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	44.0	158.0	187.0	88.0	98.0	537.0	135.0	153.0	258.0
TBE(<2.96 g/cc) float g	41.1	131.1	142.5	74.5	90.5	486.9	125.2	105.2	246.8
TBE(>2.96 g/cc) sink g	**2.9**	26.9	44.5	13.5	**7.5**	50.1	**9.8**	47.8	11.2
MI (<3.32 g/cc) float g		3.3	5.3	3.1		10.4		23.2	5.3
MI(>3.32 g/cc) sink g		**23.6**	**39.4**	**10.4**		**40.1**		**24.7**	**5.9**
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3828	3829	3830	3831	3832	3833	3834	3835	3836
-0.86+0.25 mm concentrate no	H04-6924	H04-6925	H04-6926	H04-6927	H04-6928	H04-6929	H04-6930	H04-6931	H04-6932
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**878197**	**90903**	**877797**	**90625**	**90616**	**878183**	**90573**	**887866**	**90548**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	32.99	24.65	32.13	32.39	34.79	30.21	29.65	38.18	31.93
Screening weights									
[illegible] wet kg	9.67	11.74	18.71	13.37	13.12	14.10	14.48	17.33	10.52
[illegible] wet kg	11.30	6.26	8.01	11.28	9.61	8.03	6.27	11.45	9.98
[illegible] mm wet kg	2.30	1.79	1.31	2.20	1.30	1.79	1.07	3.43	2.04
[illegible] mm dry kg	5.26	1.33	1.56	3.24	1.04	2.78	1.12	2.77	2.57
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	219	17	49	104	30	85	11	71	23
Weakly magnetic fraction g	162	25	62	94	42	92	7	67	16
Non magnetic fraction g	4878	1287	1453	3038	966	2599	1105	2631	2533
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	381.0	42.0	111.0	198.0	72.0	176.0	18.0	139.0	39.0
TBE(<2.96 g/cc) float g	290.1	40.4	101.2	166.9	68.0	159.0	13.5	115.3	31.9
TBE(>2.96 g/cc) sink g	90.9	**1.6**	**9.8**	31.1	**4.0**	17.0	**4.5**	23.7	**7.1**
MI (<3.32 g/cc) float g	23.4			9.2		4.5		3.3	
MI(>3.32 g/cc) sink g	**68.3**			**22.0**		**12.6**		**20.5**	
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3837	3838	3839	3840	3841	3842	3843	3844	3845
-0.86+0.25 mm concentrate no	H04-6933	H04-6934	H04-6935	H04-6936	H04-6937	H04-6938	H04-6939	H04-6940	H04-6941
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**90529**	**878192**	**90577**	**90537**	**90550**	**877752**	**887871**	**90524**	**877755**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.34	44.92	30.32	34.55	30.26	35.09	32.95	29.40	43.12
Screening weights									
[illegible] wet kg	20.88	18.49	15.60	20.35	12.63	17.40	13.67	17.07	19.76
[illegible] wet kg	4.16	15.54	8.60	8.47	6.98	12.81	11.57	5.98	12.03
[illegible] mm wet kg	1.81	3.06	2.24	3.93	1.89	3.30	2.76	2.30	2.51
-0.86+0.25 mm dry kg	1.00	4.35	2.62	1.96	1.63	4.28	2.96	1.15	2.47
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	25	84	62	18	23	105	57	5	38
Weakly magnetic fraction g	17	72	59	29	18	120	52	3	45
Non magnetic fraction g	961	4189	2499	1908	1585	4057	2847	1137	2391
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	42.0	155.0	120.0	47.0	41.0	224.0	109.0	8.0	83.0
TBE(<2.96 g/cc) float g	31.0	125.4	106.6	42.8	31.1	208.6	88.0	5.8	74.4
TBE(>2.96 g/cc) sink g	11.0	29.6	13.4	**4.2**	**9.9**	15.4	21.0	**2.2**	**8.6**
MI (<3.32 g/cc) float g	3.0	5.4	6.5			3.0	3.1		
MI(>3.32 g/cc) sink g	**8.2**	**24.3**	**7.0**			**12.5**	**18.1**		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3846	3847	3848	3849	3850	3851	3852	3853	3854
-0.86+0.25 mm concentrate no	H04-6942	H04-6943	H04-6944	H04-6945	H04-6946	H04-6947	H04-6948	H04-6949	H04-6950
VIPI Job	93	93	93	93	93	93	93	93	93
Client Field no	**878184**	**90928**	**878188**	**90854**	**90906**	**90769**	**90778**	**877779**	**90790**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	42.06	30.15	41.29	39.09	20.65	30.05	26.85	43.97	30.60
Screening weights									
[illegible] wet kg	12.35	9.64	10.58	12.46	7.87	16.15	11.19	13.46	13.96
[illegible] wet kg	20.57	10.95	13.16	18.39	6.97	4.76	8.60	13.08	5.30
[illegible] wet kg	4.62	2.60	2.22	4.22	1.90	1.93	1.66	2.77	2.05
-0.86+0.25 mm dry kg	7.30	2.91	3.39	6.18	1.66	1.07	2.33	3.49	1.18
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	226	60	68	101	27	12	43	47	18
Weakly magnetic fraction g	232	66	71	142	35	17	37	55	6
Non magnetic fraction g	6845	2789	3253	5938	1593	1041	2245	3389	1161
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	457.0	125.0	139.0	243.0	62.0	29.0	79.0	102.0	23.0
TBE(<2.96 g/cc) float g	401.4	116.6	126.2	232.0	57.3	25.4	64.0	95.4	17.8
TBE(>2.96 g/cc) sink g	55.6	**8.4**	12.8	11.0	**4.7**	**3.6**	15.0	**6.6**	**5.2**
MI (<3.32 g/cc) float g	8.4		1.8	3.7			4.3		
MI(>3.32 g/cc) sink g	**47.9**		**11.0**	**7.3**			**10.5**		
Work record									
Date sample received	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04	28-Sep-04
Date concentrate shipped	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05	05-Jan-05

VIPI sample no	3855
-0.86+0.25 mm concentrate no	H04-6951
VIPI Job	93
Client Field no	**90637**
Client	Twin Mining
As-received wt kg	37.51
Screening weights	
+2 mm wet kg	14.19
-2 mm wet kg	13.36
-2+0.86 mm wet kg	2.87
-0.86+0.25 mm dry kg	3.47
Magnetic Processing -0.86+0.25 mm	
Strongly magnetic fraction g	52
Weakly magnetic fraction g	54
Non magnetic fraction g	3368
Heavy Liquid processing -0.86+.25mm	
Start weight for heavy liquids g	106.0
TBE(<2.96 g/cc) float g	94.7
TBE(>2.96 g/cc) sink g	11.3
MI (<3.32 g/cc) float g	2.1
MI(>3.32 g/cc) sink g	**9.1**
Work record	
Date sample received	28-Sep-04
Date concentrate shipped	05-Jan-05

VIPI sample no	3856	3857	3858	3859	3860	3861	3862	3863	3864
-0.86+0.25 mm concentrate no	H04-7078	H04-7079	H04-7080	H04-7081	H04-7082	H04-7083	H04-7084	H04-7085	H04-7086
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**90814**	**90762**	**877777**	**90754**	**877782**	**90840**	**90623**	**90907**	**877775**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	24.99	24.82	42.59	27.68	40.56	31.81	40.46	32.06	44.57
Screening weights									
4.75 mm wet kg	14.52	13.23	10.67	11.75	10.34	10.61	10.48	12.60	13.74
[illegible] wet kg	7.66	6.67	14.68	7.15	12.91	14.94	12.02	6.09	10.79
[illegible] 50 mm wet kg	2.48	1.47	2.96	1.82	2.23	2.82	2.45	1.76	2.84
[illegible] 0.25 mm dry kg	1.78	2.16	3.75	2.03	3.28	4.59	3.14	1.59	3.53
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	5	36	56	56	77	130	49	52	66
Weakly magnetic fraction g	2	26	62	71	93	181	62	22	75
Non magnetic fraction g	1771	2103	3627	1899	3105	4282	3029	1520	3389
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	8.0	61.0	118.0	127.0	170.0	310.0	111.0	74.0	141.0
TBE(<2.96 g/cc) float g	6.0	42.5	107.0	121.5	159.0	302.2	105.1	45.8	131.1
TBE(>2.96 g/cc) sink g	**2.0**	18.5	11.0	5.5	11.0	7.8	5.9	28.2	9.9
MI (<3.32 g/cc) float g		2.3	3.3	0.9	4.7	2.3	2.2	8.5	2.8
MI(>3.32 g/cc) sink g		**16.0**	**7.8**	**4.4**	**6.4**	**5.4**	**3.6**	**19.8**	**7.1**
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3865	3866	3867	3868	3869	3870	3871	3872	3873
-0.86+0.25 mm concentrate no	H04-7087	H04-7088	H04-7089	H04-7090	H04-7091	H04-7092	H04-7093	H04-7094	H04-7095
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**91827**	**91824**	**91597**	**91829**	**91855**	**91844**	**91600**	**91830**	**91826**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.95	36.44	35.32	26.76	29.95	22.94	37.87	36.33	36.33
Screening weights									
[illegible] mm wet kg	16.45	9.81	8.94	9.95	11.75	13.91	8.04	9.89	10.63
[illegible] wet kg	8.01	14.76	12.71	9.16	9.80	4.03	17.11	10.34	12.50
[illegible] mm wet kg	3.03	2.68	2.62	3.61	1.88	1.47	2.80	2.50	1.94
0.86+0.25 mm dry kg	1.74	3.15	3.47	2.22	2.18	0.94	4.35	2.83	2.82
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	20	94	22	76	55	13	101	49	53
Weakly magnetic fraction g	24	99	20	35	51	19	109	60	50
Non magnetic fraction g	1695	2960	3424	2104	2074	911	4140	2721	2717
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	44.0	193.0	41.0	111.0	106.0	32.0	210.0	109.0	103.0
TBE(<2.96 g/cc) float g	38.0	171.7	36.7	65.0	98.0	30.3	186.6	96.9	92.8
TBE(>2.96 g/cc) sink g	6.0	21.3	**4.3**	46.0	8.0	**1.7**	23.4	12.1	10.2
MI (<3.32 g/cc) float g	0.3	2.9		8.8	2.0		4.6	2.0	2.6
MI(>3.32 g/cc) sink g	**5.6**	**18.4**		**37.3**	**5.8**		**18.8**	**10.1**	**7.6**
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3874	3875	3876	3877	3878	3879	3880	3881	3882
-0.86+0.25 mm concentrate no	H04-7096	H04-7097	H04-7098	H04-7099	H04-7100	H04-7101	H04-7102	H04-7103	H04-7104
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**91607**	**91589**	**91628**	**91591**	**91825**	**91601**	**91828**	**91851**	**91840**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	34.04	32.65	21.69	32.08	29.37	33.87	25.48	26.97	27.41
Screening weights									
[illegible] mm wet kg	15.81	14.02	7.33	13.36	9.05	11.29	14.59	14.08	8.70
[illegible] wet kg	13.78	12.72	9.19	13.47	9.93	12.74	7.27	8.33	9.96
[illegible] wet kg	4.08	3.63	1.32	5.15	3.06	3.18	2.41	1.54	1.93
[illegible] mm dry kg	3.88	3.64	3.01	3.52	2.19	3.23	1.90	3.44	1.87
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	93	65	93	57	43	57	23	93	42
Weakly magnetic fraction g	109	89	92	49	41	60	26	127	38
Non magnetic fraction g	3682	3490	2822	3418	2104	3114	1849	3218	1788
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	202.0	154.0	185.0	105.0	84.0	117.0	49.0	220.0	80.0
TBE(<2.96 g/cc) float g	183.6	143.5	167.9	87.0	70.8	101.4	40.2	209.1	70.3
TBE(>2.96 g/cc) sink g	18.4	10.5	17.1	18.0	13.2	15.6	8.8	10.9	9.7
MI (<3.32 g/cc) float g	2.7	1.7	2.7	3.7	1.8	2.7	0.4	2.8	2.6
MI(>3.32 g/cc) sink g	**15.7**	**8.8**	**14.5**	**14.2**	**11.5**	**13.0**	**8.3**	**8.1**	**7.1**
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3883	3884	3885	3886	3887	3888	3889	3890	3891
-0.86+0.25 mm concentrate no	H04-7105	H04-7106	H04-7107	H04-7108	H04-7109	H04-7110	H04-7111	H04-7112	H04-7113
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**91831**	**91852**	**91843**	**91822**	**91832**	**91598**	**91588**	**91847**	**91845**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.65	32.20	23.38	22.96	26.22	23.52	26.14	25.49	27.42
Screening weights									
+[illegible] mm wet kg	12.37	13.03	11.26	13.37	13.41	11.79	10.28	13.03	10.25
[illegible] wet kg	8.47	11.59	6.52	5.58	7.67	8.34	11.88	8.20	8.20
[illegible] mm wet kg	1.73	2.02	2.10	1.70	2.83	2.53	3.12	2.35	2.23
0.86+0.25 mm dry kg	1.97	2.00	1.67	1.34	1.88	2.14	2.88	1.90	2.03
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	43	40	50	24	22	31	48	42	40
Weakly magnetic fraction g	35	45	34	24	21	44	49	39	25
Non magnetic fraction g	1893	1914	1586	1293	1838	2063	2786	1823	1965
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	78.0	85.0	85.0	48.0	43.0	76.0	97.0	82.0	65.0
TBE(<2.96 g/cc) float g	56.0	77.7	61.6	40.0	34.9	72.6	82.7	70.4	46.2
TBE(>2.96 g/cc) sink g	22.0	7.3	23.4	8.0	8.1	3.4	14.3	11.6	18.8
MI (<3.32 g/cc) float g	1.8	1.8	7.5	1.1	1.2		3.0	2.7	3.2
MI(>3.32 g/cc) sink g	**20.2**	**5.6**	**16.0**	**6.8**	**7.0**		**11.4**	**8.9**	**15.7**
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3892	3893	3894	3895	3896	3897	3898	3899	3900
-0.86+0.25 mm concentrate no	H04-7114	H04-7115	H04-7116		H04-7117	H04-7118	H04-7119	H04-7120	H04-7121
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**91807**	**91841**	**91846**	**90993**	**90984**	**90998**	**90997**	**90989**	**90994**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	38.00	36.38	23.62	21.97	28.55	26.95	28.73	23.94	25.29
Screening weights									
[illegible] wet kg	10.79	14.09	14.52	11.57	15.39	13.08	14.41	13.40	11.12
[illegible] wet kg	10.02	16.30	5.66	5.12	8.72	7.94	7.34	6.16	6.37
[illegible] wet kg	2.49	3.22	1.98	1.54	1.92	2.31	2.09	2.25	1.59
[illegible] mm dry kg	3.23	4.25	1.12	1.19	3.25	1.91	1.91	1.16	1.56
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	59	130	6	2	142	22	39	4	6
Weakly magnetic fraction g	78	142	2	1	79	27	52	2	3
Non magnetic fraction g	3090	3975	1112	1187	3025	1864	1814	1152	1553
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	138.0	272.0	8.0	**3.2**	221.0	49.0	92.0	6.0	10.0
TBE(<2.96 g/cc) float g	129.8	251.0	5.1		211.1	45.8	89.4	4.7	8.6
TBE(>2.96 g/cc) sink g	8.2	21.0	**2.9**		9.9	**3.2**	**2.6**	**1.3**	**1.4**
MI (<3.32 g/cc) float g	1.4	3.6			3.4				
MI(>3.32 g/cc) sink g	**6.8**	**17.4**			**6.5**				
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3901	3902	3903	3904	3905	3906	3907	3908	3909
-0.86+0.25 mm concentrate no	H04-7122	H04-7123	H04-7124	H04-7125	H04-7126	H04-7127		H04-7128	
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**90996**	**91767**	**90990**	**90986**	**91761**	**888093**	**90995**	**90981**	**91762**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.01	29.59	31.33	34.96	28.20	49.15	23.44	26.73	24.78
Screening weights									
+[illegible] mm wet kg	5.64	14.50	14.33	10.06	15.21	18.22	13.06	6.84	12.05
[illegible] mm wet kg	22.15	9.99	9.64	8.47	7.54	15.15	3.89	11.39	7.33
[illegible] mm wet kg	2.60	2.26	3.00	3.33	2.41	2.61	1.08	2.49	2.54
-0.86+0.25 mm dry kg	12.42	2.44	3.11	2.53	1.60	5.04	0.51	3.31	1.86
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	80	15	60	223	9	57	1	47	3
Weakly magnetic fraction g	51	14	72	84	8	60	1	48	1
Non magnetic fraction g	12287	2408	2979	2228	1586	4919	506	3212	1855
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	131.0	29.0	133.0	308.0	18.0	117.0	**1.9**	96.0	**4.3**
TBE(<2.96 g/cc) float g	113.9	26.2	127.8	301.5	15.2	107.0		81.7	
TBE(>2.96 g/cc) sink g	17.1	**2.8**	5.2	6.5	**2.8**	10.0		14.3	
MI (<3.32 g/cc) float g	4.7		1.7	2.2		1.7		2.6	
MI(>3.32 g/cc) sink g	**11.9**		**3.3**	**4.2**		**8.1**		**11.6**	
	Note :part of 7122 was spilled								
	1.62 g was not spilled								
	9.47 g was spilled, recovered , but may be contaminated								
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3910	3911	3912	3913	3914	3915	3916	3917	3918
-0.86+0.25 mm concentrate no	H04-7129	H04-7130	H04-7131	H04-7132	H04-7133	H04-7134	H04-7135	H04-7136	H04-7137
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**91769**	**90983**	**91768**	**91799**	**91798**	**91797**	**91786**	**91791**	**91795**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.15	34.04	31.14	25.48	29.26	37.68	30.06	25.68	26.80
Screening weights									
[illegible] mm wet kg	8.92	14.94	13.84	8.41	11.91	12.83	7.05	12.81	3.74
[illegible] wet kg	11.37	7.59	8.85	6.57	10.76	12.20	14.62	7.26	8.43
[illegible] mm wet kg	2.04	1.84	2.35	1.22	3.56	3.75	3.06	2.84	0.94
-0.86+0.25 mm dry kg	2.91	2.78	2.12	1.47	3.09	4.20	3.97	1.73	1.57
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	58	160	39	10	54	92	79	21	7
Weakly magnetic fraction g	75	101	55	7	66	126	109	28	5
Non magnetic fraction g	2773	2514	2021	1457	2968	3982	3780	1684	1562
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	134.0	260.0	93.0	18.0	120.0	217.0	187.0	49.0	11.0
TBE(<2.96 g/cc) float g	128.5	253.1	88.9	15.8	113.9	207.1	181.4	45.1	8.9
TBE(>2.96 g/cc) sink g	5.5	6.9	**4.1**	**2.2**	6.1	9.9	5.6	**3.9**	**2.1**
MI (<3.32 g/cc) float g	2.6	2.7			1.5	1.9	1.6		
MI(>3.32 g/cc) sink g	**2.9**	**4.1**			**4.6**	**7.9**	**4.0**		
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3919	3920	3921	3922	3923	3924	3925	3926	3927
-0.86+0.25 mm concentrate no	H04-7138	H04-7139	H04-7140	H04-7141	H04-7142	H04-7143	H04-7144	H04-7145	H04-7146
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**91793**	**91794**	**91792**	**91796**	**91790**	**90571**	**887900**	**90511**	**887890**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	24.98	21.91	28.38	28.44	29.44	28.20	33.82	37.83	33.96
Screening weights									
+0.86 mm wet kg	8.54	11.31	7.46	6.80	9.28	8.73	15.69	14.91	9.92
-0.86+0.25 mm wet kg	8.04	5.33	10.26	9.26	9.51	10.48	11.95	13.19	12.68
-0.86+0.25 mm wet kg	1.77	1.62	2.99	0.89	2.50	1.67	3.68	3.64	1.93
-0.86+0.25 mm dry kg	1.90	0.79	2.60	1.07	2.45	3.08	2.66	4.89	3.24
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	11	13	55	16	60	95	35	145	72
Weakly magnetic fraction g	8	13	76	18	76	94	34	100	75
Non magnetic fraction g	1877	759	2466	1032	2311	2889	2593	4638	3090
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	19.0	26.0	130.0	35.0	135.0	188.0	69.0	245.0	147.0
TBE(<2.96 g/cc) float g	15.9	19.9	126.9	30.9	129.7	181.4	63.7	228.7	140.6
TBE(>2.96 g/cc) sink g	3.1	6.1	3.1	4.1	5.3	6.6	5.3	16.3	6.4
MI (<3.32 g/cc) float g		0.8			2.2	2.8	1.3	5.6	2.3
MI(>3.32 g/cc) sink g		**5.3**			**3.2**	**3.8**	**3.8**	**10.5**	**4.0**
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3928	3929	3930	3931	3932	3933	3934	3935	3936
-0.86+0.25 mm concentrate no	H04-7147	H04-7148	H04-7149	H04-7150	H04-7151	H04-7152	H04-7153	H04-7154	H04-7155
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**90553**	**90552**	**90708**	**200009**	**90661**	**90673**	**90665**	**90670**	**90704**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.58	29.89	33.04	34.44	24.53	40.08	25.32	27.28	27.58
Screening weights									
[illegible] mm wet kg	12.44	13.96	9.96	5.82	14.44	9.99	13.71	13.66	8.34
[illegible] wet kg	15.62	9.25	9.40	19.54	4.92	16.91	7.88	7.76	6.76
[illegible] dry kg	1.82	3.25	2.00	1.30	1.64	3.19	3.00	2.07	1.57
0.85+0.25 mm dry kg	5.41	1.67	2.81	4.70	1.20	4.33	2.03	1.69	1.76
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	225	60	60	191	18	63	32	27	46
Weakly magnetic fraction g	189	38	81	199	17	89	42	36	56
Non magnetic fraction g	4995	1576	2666	4315	1170	4182	1954	1623	1660
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	414.0	97.0	140.0	389.0	35.0	152.0	74.0	64.0	101.0
TBE(<2.96 g/cc) float g	397.2	77.7	132.4	375.3	28.9	145.5	68.1	57.2	86.8
TBE(>2.96 g/cc) sink g	16.8	19.3	7.6	13.7	6.1	6.5	5.9	6.8	14.2
MI (<3.32 g/cc) float g	7.3	5.2	2.3	5.9	1.0	1.6	0.9	0.7	0.5
MI(>3.32 g/cc) sink g	**9.5**	**14.1**	**5.3**	**7.8**	**5.1**	**4.8**	**4.9**	**6.0**	**13.8**
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3937	3938	3939	3940	3941	3942	3943	3944	3945
-0.86+0.25 mm concentrate no	H04-7156	H04-7157		H04-7158	H04-7159	H04-7160	H04-7161	H04-7162	H04-7163
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**887872**	**90701**	**90677**	**200001**	**90680**	**887878**	**200005**	**90646**	**90649**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	41.32	27.21	26.28	30.17	31.46	37.38	34.66	32.74	37.08
Screening weights									
[illegible] mm wet kg	7.13	10.98	14.10	13.19	11.99	16.50	6.85	11.76	8.61
[illegible] mm wet kg	18.08	8.23	5.72	11.11	6.17	10.38	11.54	8.90	10.69
[illegible] mm wet kg	1.97	1.93	2.33	2.82	1.33	2.92	1.35	2.17	2.50
-0.86+0.25 mm dry kg	6.19	1.79	1.21	2.88	1.34	2.68	3.21	2.78	2.43
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	276	32	3	128	18	108	179	49	40
Weakly magnetic fraction g	286	50	2	107	26	92	169	65	57
Non magnetic fraction g	5626	1704	1209	2641	1297	2484	2864	2668	2329
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	561.0	82.0	**4.8**	235.0	45.0	200.0	348.0	114.0	97.0
TBE(<2.96 g/cc) float g	544.6	78.4		222.1	43.3	183.1	338.8	106.0	93.3
TBE(>2.96 g/cc) sink g	16.4	**3.6**		12.9	**1.7**	16.9	9.2	8.0	**3.7**
MI (<3.32 g/cc) float g	6.6			6.7		4.5	4.2	1.5	
MI(>3.32 g/cc) sink g	**9.9**			**6.2**		**12.4**	**5.0**	**6.4**	
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3946	3947	3948	3949	3950	3951	3952	3953	3954
-0.86+0.25 mm concentrate no	H04-7164	H04-7165	H04-7166	H04-7167	H04-7168	H04-7169	H04-7170	H04-7171	H04-7172
VIPI Job no	94	94	94	94	94	94	94	94	94
Client Field no	**90706**	**90643**	**90709**	**90702**	**91612**	**91632**	**91751**	**91759**	**91721**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	36.54	32.66	33.35	32.28	41.04	27.36	35.01	32.85	36.45
Screening weights									
[illegible] mm wet kg	4.51	11.89	7.00	11.30	10.13	12.86	11.20	15.01	13.87
[illegible] wet kg	10.93	14.47	17.55	9.28	12.86	10.13	17.81	12.93	14.99
[illegible] wet kg	1.20	2.13	2.51	2.61	3.08	1.89	3.75	3.05	2.28
-0.86+0.25 mm dry kg	1.77	1.44	2.89	2.42	4.11	2.48	6.83	2.69	4.08
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	43	17	50	64	146	67	394	105	146
Weakly magnetic fraction g	52	25	51	72	181	82	307	81	151
Non magnetic fraction g	1670	1394	2783	2286	3784	2330	6130	2508	3786
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	95.0	42.0	101.0	135.0	327.0	149.0	700.0	185.0	297.0
TBE(<2.96 g/cc) float g	91.8	39.4	92.3	120.7	319.5	139.0	542.3	170.5	276.7
TBE(>2.96 g/cc) sink g	3.2	2.6	8.7	14.3	7.5	10.0	157.7	14.5	20.3
MI (<3.32 g/cc) float g			2.5	1.7	2.0	1.2	32.1	2.0	3.0
MI(>3.32 g/cc) sink g			**6.1**	**12.6**	**5.5**	**8.9**	**126.4**	**12.5**	**17.4**
Work record									
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	3955	3956	3957
-0.86+0.25 mm concentrate no	H04-7173	H04-7174	H04-7175
VIPI Job no	94	94	94
Client Field no	**91743**	**91746**	**91633**
Client	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	36.79	38.75	24.93
Screening weights			
+2 mm wet kg	9.98	14.64	9.81
-2 mm wet kg	13.72	15.63	8.39
-2+0.86 mm wet kg	2.58	2.46	1.77
-0.86+0.25 mm dry kg	3.13	3.79	1.75
Magnetic Processing -0.86+0.25 mm			
Strongly magnetic fraction g	94	101	16
Weakly magnetic fraction g	58	103	11
Non magnetic fraction g	2977	3589	1718
Heavy Liquid processing -0.86+.25mm			
Start weight for heavy liquids g	152.0	204.0	27.0
TBE(<2.96 g/cc) float g	125.1	180.3	22.3
TBE(>2.96 g/cc) sink g	26.9	23.7	4.7
MI (<3.32 g/cc) float g	5.1	4.6	
MI(>3.32 g/cc) sink g	**21.9**	**19.1**	
Work record			
Date sample received	28-Sep-05	28-Sep-05	28-Sep-05
Date concentrate shipped	11-Jan-05	11-Jan-05	11-Jan-05

VIPI sample no	4958	4959	4960	4961	4962	4963	4964	4965	4966
-0.86+0.25 mm concentrate no	H04-0994	H04-0995	H04-0996	H04-0997	H04-0998	H04-0999	H04-1000	H04-1001	H04-1002
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**KD5714**	**KD5715**	**KD5716**	**KD5717**	**KD5718**	**KD5719**	**KD5720**	**KD5721**	**KD5722**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	35.63	29.23	29.59	28.15	27.62	26.65	27.53	30.88	27.99
Screening weights									
[illegible] mm wet kg	21.03	17.39	10.99	12.16	15.72	13.86	11.42	10.81	15.39
[illegible] wet kg	8.54	8.41	13.32	9.72	9.33	9.37	11.11	12.81	9.51
[illegible] mm wet kg	2.84	1.90	2.74	2.60	3.78	2.37	1.94	2.61	2.21
[illegible] mm dry kg	1.78	1.98	3.25	2.63	2.71	2.44	2.58	3.19	2.61
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	72	76	83	137	47	134	151	128	179
Weakly magnetic fraction g	61	71	81	76	39	67	79	102	82
Non magnetic fraction g	1644	1835	3088	2417	2618	2240	2350	2964	2347
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	133.0	147.0	164.0	213.0	87.0	201.0	230.0	230.0	261.0
TBE(<2.96 g/cc) float g	128.4	140.4	156.0	166.1	75.2	151.6	173.2	206.0	187.1
TBE(>2.96 g/cc) sink g	4.6	6.6	8.0	46.9	11.8	49.4	56.8	24.0	73.9
MI (<3.32 g/cc) float g		1.2	2.0	12.5	2.4	10.4	14.1	5.8	17.0
MI(>3.32 g/cc) sink g		**5.5**	**5.9**	**34.5**	**9.3**	**38.7**	**42.7**	**18.2**	**56.9**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	4967	4968	4969	4970	4971	4972	4973	4974	4975
-0.86+0.25 mm concentrate no	H04-1003	H04-1004	H04-1005	H04-1006	H04-1007	H04-1008	H04-1009	H04-1010	H04-1011
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**KD5723**	**KD5724**	**KD5727**	**KD5728**	**886904**	**887451**	**886921**	**90517**	**886935**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	31.30	25.95	32.26	31.86	30.74	35.81	33.18	32.50	28.28
Screening weights									
[illegible] mm wet kg	15.24	10.04	6.96	8.41	12.56	8.31	15.14	9.92	9.53
[illegible] mm wet kg	11.54	12.46	15.58	15.63	11.59	21.10	10.27	11.78	10.28
[illegible] mm wet kg	3.59	2.46	1.78	2.09	1.85	2.04	1.97	2.15	2.21
0.86+0.25 mm dry kg	3.91	3.91	2.41	3.81	1.95	1.42	1.85	2.53	1.52
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	157	148	48	101	29	11	105	48	9
Weakly magnetic fraction g	106	118	50	107	48	23	71	78	16
Non magnetic fraction g	3644	3640	2309	3605	1872	1381	1676	2407	1494
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	263.0	266.0	98.0	208.0	77.0	35.0	175.0	126.0	25.0
TBE(<2.96 g/cc) float g	207.4	224.3	94.7	196.8	74.6	33.8	170.5	122.2	22.4
TBE(>2.96 g/cc) sink g	55.6	41.7	3.3	11.2	2.4	1.2	4.5	3.8	2.6
MI (<3.32 g/cc) float g	7.7	8.3		2.8					
MI(>3.32 g/cc) sink g	**48.5**	**33.9**		**8.4**					
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	4976	4977	4978	4979	4980	4981	4982	4983	4984
-0.86+0.25 mm concentrate no	H04-1012	H04-1013	H04-1014	H04-1015	H04-1016	H04-1017	H04-1018	H04-1019	H04-1020
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**886938**	**878168**	**887470**	**887998**	**877770**	**887473**	**886929**	**877771**	**90605**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.00	42.08	36.25	39.99	35.81	38.78	39.32	37.32	31.44
Screening weights									
[illegible] mm wet kg	13.35	15.34	26.49	25.04	13.98	12.94	12.69	12.41	15.08
[illegible] mm wet kg	7.10	15.12	8.97	10.20	13.44	11.30	12.04	15.95	8.37
[illegible] mm wet kg	1.36	3.52	2.40	4.00	3.31	1.89	1.86	4.87	2.02
0.85 - 0.25 mm dry kg	1.31	3.94	2.38	2.54	2.85	2.17	1.12	3.99	1.79
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	21	86	68	51	65	37	21	143	38
Weakly magnetic fraction g	27	97	81	63	70	39	26	99	57
Non magnetic fraction g	1258	3753	2231	2428	2718	2089	1075	3749	1696
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	48.0	184.0	149.0	114.0	135.0	77.0	47.0	241.0	95.0
TBE(<2.96 g/cc) float g	45.9	166.9	133.7	110.6	124.7	63.4	44.9	206.7	92.0
TBE(>2.96 g/cc) sink g	2.1	17.1	15.3	3.4	10.3	13.6	2.1	34.3	3.0
MI (<3.32 g/cc) float g		4.1	3.2		2.8	2.2		4.2	
MI(>3.32 g/cc) sink g		**13.1**	**12.3**		**7.5**	**11.5**		**30.2**	
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	4985	4986	4987	4988	4989	4990	4991	4992	4993
-0.86+0.25 mm concentrate no	H04-1021	H04-1022	H04-1023	H04-1024	H04-1025	H04-1026	H04-1027	H04-1028	H04-1029
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**886926**	**878170**	**886930**	**887469**	**878169**	**887472**	**877754**	**886949**	**887468**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.55	42.18	37.88	32.71	41.48	39.19	45.78	32.95	38.75
Screening weights									
[illegible] mm wet kg	16.69	11.10	5.85	17.69	12.38	13.10	14.47	13.80	30.33
[illegible] wet kg	11.77	15.33	14.24	9.80	16.27	17.38	15.49	13.24	5.17
[illegible] mm wet kg	2.35	3.08	1.76	2.00	3.32	2.71	3.24	3.52	2.56
[illegible] mm dry kg	3.05	4.31	5.33	2.22	4.00	6.49	3.48	3.00	0.71
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	68	112	55	60	52	131	100	49	15
Weakly magnetic fraction g	98	160	35	77	29	12	106	68	15
Non magnetic fraction g	2880	4036	5232	2082	3912	6339	3270	2880	681
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	166.0	272.0	90.0	137.0	81.0	142.0	205.0	117.0	30.0
TBE(<2.96 g/cc) float g	157.4	255.5	72.4	128.8	66.3	50.9	194.9	107.1	28.0
TBE(>2.96 g/cc) sink g	8.6	16.5	17.6	8.2	14.7	91.1	10.1	9.9	2.0
MI (<3.32 g/cc) float g	1.6	3.6	3.1	2.2	3.9	11.9	2.3	1.7	
MI(>3.32 g/cc) sink g	**7.1**	**12.9**	**14.7**	**6.0**	**10.9**	**79.9**	**7.7**	**8.2**	
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	4994	4995	4996	4997	4998	4999	5000	5001	5002
-0.86+0.25 mm concentrate no	H04-1030	H04-1031	H04-1032	H04-1033	H04-1034	H04-1035	H04-1036	H04-1037	H04-1038
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**887452**	**887864**	**877759**	**90602**	**877757**	**90930**	**877789**	**91676**	**886931**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	32.98	41.15	43.82	29.45	41.87	25.89	42.75	36.61	36.30
Screening weights									
[illegible] mm wet kg	17.92	17.71	18.16	15.47	19.95	10.37	18.79	14.36	16.18
[illegible] wet kg	8.93	14.94	13.33	8.17	10.77	9.56	13.46	11.90	11.04
[illegible] wet kg	1.54	3.57	2.56	3.03	2.78	3.16	2.33	2.97	1.68
0.5 to 0.25 mm dry kg	1.13	4.04	3.57	1.83	3.03	2.25	3.35	2.81	2.05
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	23	139	86	72	58	43	27	57	51
Weakly magnetic fraction g	31	142	114	50	69	53	19	66	73
Non magnetic fraction g	1076	3759	3365	1706	2908	2157	3301	2685	1927
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	54.0	281.0	200.0	123.0	126.0	96.0	45.0	123.0	123.0
TBE(<2.96 g/cc) float g	52.6	249.6	188.3	117.1	112.8	87.2	33.1	110.3	116.3
TBE(>2.96 g/cc) sink g	1.4	31.4	11.7	5.9	13.2	8.8	11.9	12.7	6.7
MI (<3.32 g/cc) float g		3.7	2.1	1.8	2.4	2.3	4.3	2.6	0.7
MI(>3.32 g/cc) sink g		**27.8**	**9.6**	**4.1**	**10.9**	**6.5**	**7.7**	**10.1**	**6.0**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5003	5004	5005	5006	5007	5008	5009	5010	5011
-0.86+0.25 mm concentrate no	H04-1039	H04-1040	H04-1041	H04-1042	H04-1043	H04-1044	H04-1045	H04-1046	H04-1047
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**877769**	**91663**	**91715**	**91741**	**91613**	**91649**	**91750**	**91758**	**91611**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	44.39	38.65	26.51	30.31	29.16	25.64	27.48	31.23	36.30
Screening weights									
[illegible] wet kg	12.03	9.85	13.95	14.47	9.59	14.22	14.17	7.22	9.57
[illegible] wet kg	11.34	15.46	6.35	12.08	11.78	4.97	8.80	21.02	14.62
[illegible] wet kg	2.62	3.17	2.87	2.64	2.74	1.19	2.43	3.43	3.21
[illegible] kg	4.18	4.57	1.41	3.27	3.43	0.91	3.27	7.10	4.16
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	55	144	25	41	53	7	43	80	33
Weakly magnetic fraction g	37	171	29	25	73	13	19	66	14
Non magnetic fraction g	4085	4253	1360	3201	3307	889	3208	6954	4106
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	92.0	315.0	54.0	66.0	126.0	20.0	62.0	145.0	48.0
TBE(<2.96 g/cc) float g	75.9	289.1	45.9	53.5	112.9	18.3	37.8	135.6	37.9
TBE(>2.96 g/cc) sink g	16.1	25.9	8.1	12.5	13.1	1.7	24.2	9.4	10.1
MI (<3.32 g/cc) float g	3.6	4.7	1.9	2.0	3.1		5.2	2.4	2.7
MI(>3.32 g/cc) sink g	**12.5**	**21.2**	**6.1**	**10.5**	**9.9**		**19.1**	**7.0**	**7.2**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5012	5013	5014	5015	5016	5017	5018	5019	5020
-0.86+0.25 mm concentrate no	H04-1048	H04-1049	H04-1050	H04-1051	H04-1052	H04-1053	H04-1054	H04-1055	H04-1056
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**91636**	**91726**	**91736**	**91734**	**91713**	**91627**	**91744**	**91602**	**91604**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.45	33.62	39.20	37.14	34.63	29.67	30.06	31.58	33.64
Screening weights									
+2 mm wet kg	12.63	7.19	11.40	12.71	8.93	10.78	8.81	9.94	10.78
[illegible] wet kg	10.44	14.92	16.70	12.41	15.34	14.02	11.52	13.32	13.19
[illegible] wet kg	2.39	2.59	2.99	2.66	2.83	3.33	2.01	3.05	2.15
-0.86+0.25 mm dry kg	4.79	4.63	4.11	4.00	4.32	3.44	2.64	3.12	3.36
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	58	63	77	123	51	68	82	43	42
Weakly magnetic fraction g	24	29	90	144	15	75	86	22	26
Non magnetic fraction g	4702	4533	3944	3729	4256	3298	2470	3052	3289
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	81.0	92.0	168.0	267.0	67.0	143.0	168.0	65.0	68.0
TBE(<2.96 g/cc) float g	59.3	70.5	150.2	247.1	44.4	126.2	155.3	49.1	53.7
TBE(>2.96 g/cc) sink g	21.7	21.5	17.8	19.9	22.6	16.8	12.7	15.9	14.3
MI (<3.32 g/cc) float g	6.1	4.2	4.0	3.9	5.9	3.0	3.1	3.6	2.9
MI(>3.32 g/cc) sink g	**15.5**	**17.2**	**13.7**	**16.0**	**16.6**	**13.7**	**9.6**	**12.3**	**11.4**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5021	5022	5023	5024	5025	5026	5027	5028	5029
-0.86+0.25 mm concentrate no	H04-1057	H04-1058	H04-1059	H04-1060	H04-1061	H04-1062	H04-1063	H04-1064	H04-1065
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**91630**	**91615**	**91753**	**91752**	**91714**	**91739**	**91732**	**91747**	**91733**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.62	31.72	32.45	28.19	24.00	34.87	24.68	27.83	33.41
Screening weights									
[illegible] mm wet kg	15.86	11.11	11.30	9.83	13.66	14.16	8.19	9.66	15.13
[illegible] wet kg	7.13	11.77	12.27	12.07	6.21	12.13	10.18	8.64	13.87
[illegible] mm wet kg	1.44	2.99	2.48	2.85	2.08	2.96	1.57	2.27	3.56
-0.86+0.25 mm dry kg	2.74	2.77	2.81	2.53	1.46	2.71	2.69	2.77	3.61
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	167	56	64	57	21	41	59	36	40
Weakly magnetic fraction g	104	85	85	61	35	19	84	20	23
Non magnetic fraction g	2473	2632	2664	2412	1403	2651	2551	2717	3546
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	270.0	141.0	149.0	118.0	56.0	61.0	143.0	56.0	63.0
TBE(<2.96 g/cc) float g	179.3	131.5	131.9	101.0	52.1	48.8	128.9	37.8	52.2
TBE(>2.96 g/cc) sink g	90.7	9.5	17.1	17.0	3.9	12.2	14.1	18.2	10.8
MI (<3.32 g/cc) float g	22.7	2.1	2.4	2.7		2.7	1.7	1.6	2.8
MI(>3.32 g/cc) sink g	**68.4**	**7.3**	**14.8**	**14.3**		**9.6**	**12.4**	**16.8**	**8.0**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5030	5031	5032	5033	5034	5035	5036	5037	5038
-0.86+0.25 mm concentrate no	H04-1066	H04-1067	H04-1068	H04-1069	H04-1070	H04-1071	H04-1072	H04-1073	H04-1074
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**91748**	**91922**	**91933**	**91925**	**91926**	**91935**	**91936**	**91932**	**91930**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.11	22.32	21.34	40.01	27.46	23.90	29.34	21.68	25.14
Screening weights									
[illegible] wet kg	12.39	14.22	12.15	11.90	10.64	11.23	12.84	12.55	8.01
[illegible] wet kg	15.85	4.55	6.61	5.30	11.58	5.89	10.21	7.25	8.79
[illegible] wet kg	4.53	1.16	2.05	1.08	2.81	0.98	1.92	2.60	1.03
-0.86+0.25 mm dry kg	4.73	0.87	1.61	1.19	4.53	2.14	2.42	1.98	1.51
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	94	11	14	12	32	66	29	30	18
Weakly magnetic fraction g	23	17	11	10	22	15	4	39	13
Non magnetic fraction g	4612	839	1579	1164	4469	2058	2391	1906	1476
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	116.0	29.0	26.0	22.0	55.0	81.0	33.0	70.0	30.0
TBE(<2.96 g/cc) float g	50.2	27.9	23.1	19.8	47.0	42.9	28.4	63.5	26.3
TBE(>2.96 g/cc) sink g	65.8	1.1	2.9	2.2	8.0	38.1	4.6	6.5	3.7
MI (<3.32 g/cc) float g	4.1				1.7	7.1		1.0	
MI(>3.32 g/cc) sink g	**61.9**				**6.2**	**31.1**		**5.5**	
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5039	5040	5041	5042	5043	5044	5045	5046	5047
-0.86+0.25 mm concentrate no	H04-1075	H04-1076	H04-1077	H04-1078	H04-1079	H04-1080	H04-1081	H04-1082	H04-1083
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**91869**	**91868**	**91927**	**91871**	**91940**	**91928**	**91872**	**91924**	**91870**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	24.16	22.45	26.19	22.72	25.27	24.75	20.74	22.57	25.06
Screening weights									
[illegible] mm wet kg	10.26	14.65	14.48	15.88	7.18	10.11	7.11	10.68	15.25
[illegible] wet kg	9.00	7.63	4.82	4.38	11.79	10.21	6.01	7.09	6.78
[illegible] mm wet kg	1.87	1.96	1.43	1.84	2.50	2.21	1.38	1.39	2.26
0.86+0.25 mm dry kg	2.17	2.86	0.94	0.87	2.78	2.83	1.43	1.45	1.59
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	24	19	15	7	22	37	21	31	12
Weakly magnetic fraction g	46	12	17	4	14	18	31	39	10
Non magnetic fraction g	2103	2827	905	857	2747	2777	1377	1379	1572
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	70.0	31.0	32.0	11.0	36.0	55.0	52.0	70.0	22.0
TBE(<2.96 g/cc) float g	66.7	26.3	27.5	8.9	27.8	40.7	49.5	65.9	18.7
TBE(>2.96 g/cc) sink g	3.3	4.7	4.5	2.1	8.2	14.3	2.5	4.1	3.3
MI (<3.32 g/cc) float g					1.6	6.4			
MI(>3.32 g/cc) sink g					**6.5**	**8.0**			
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5048	5049	5050	5051	5052	5053	5054	5055	5056
-0.86+0.25 mm concentrate no	H04-1084	H04-1085	H04-1086	H04-1087	H04-1088	H04-1089	H04-1090	H04-1091	H04-1092
VIPI Job	96	96	96	96	96	96	96	96	96
Client Field no	**91931**	**91923**	**91776A**	**91774**	**91773**	**91771**	**91929**	**91775**	**91939**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	23.63	22.17	40.83	28.37	27.95	31.87	33.79	30.56	22.88
Screening weights									
[illegible] wet kg	8.01	12.76	13.64	11.55	18.55	15.28	13.27	15.10	8.17
[illegible] wet kg	9.79	5.70	18.15	7.27	7.92	9.65	6.05	5.49	8.50
[illegible] wet kg	1.68	1.49	4.37	2.05	3.01	2.39	1.52	2.33	1.38
-0.86+0.25 mm dry kg	2.71	1.32	5.50	1.35	2.33	2.40	1.77	1.05	1.97
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	43	27	37	11	17	17	34	2	34
Weakly magnetic fraction g	70	35	27	10	15	11	43	3	53
Non magnetic fraction g	2598	1262	5439	1330	2301	2370	1693	1047	1884
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	113.0	62.0	64.0	21.0	32.0	28.0	77.0	6.0	87.0
TBE(<2.96 g/cc) float g	107.6	52.1	50.5	18.5	29.8	22.3	72.1	5.8	81.9
TBE(>2.96 g/cc) sink g	5.4	9.9	13.5	2.5	2.2	5.7	4.9	0.2	5.1
MI (<3.32 g/cc) float g	2.0	1.2	2.0			1.4			1.3
MI(>3.32 g/cc) sink g	**3.4**	**8.7**	**11.5**			**4.4**			**3.8**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5057
-0.86+0.25 mm concentrate no	H04-1093
VIPI Job	96
Client Field no	**91772**
Client	Twin Mining
As-received wt kg	30.28
Screening weights	
+2 mm wet kg	13.90
-2 mm wet kg	9.39
-2+0.86 mm wet kg	2.25
-0.86+0.25 mm dry kg	2.41
Magnetic Processing -0.86+0.25 mm	
Strongly magnetic fraction g	17
Weakly magnetic fraction g	12
Non magnetic fraction g	2380
Heavy Liquid processing -0.86+.25mm	
Start weight for heavy liquids g	29.0
TBE(<2.96 g/cc) float g	25.1
TBE(>2.96 g/cc) sink g	3.9
MI (<3.32 g/cc) float g	
MI(>3.32 g/cc) sink g	
Work record	
Date sample received	29-Nov-04
Date concentrate shipped	28-Jan-05

VIPI sample no	5058	5059	5060	5061	5062	5063	5064	5065	5066
-0.86+0.25 mm concentrate no	H04-1145	H04-1146	H04-1147	H04-1148	H04-1149	H04-1150	H04-1151	H04-1152	H04-1153
Client Field no	**90580**	**90830**	**887498**	**887499**	**90828**	**90825**	**877783**	**90636**	**90834**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	38.25	30.50	31.96	39.50	28.24	24.21	41.11	37.66	32.59
Screening weights									
[illegible] wet kg	14.57	16.62	16.99	21.24	11.54	13.55	8.21	10.04	14.65
[illegible] wet kg	12.60	8.36	8.85	9.80	11.09	3.49	9.04	15.96	8.30
[illegible] wet kg	3.29	4.28	1.95	2.74	4.74	1.68	1.67	3.98	2.93
[illegible] 0.25 mm dry kg	2.49	1.95	1.92	2.04	3.09	0.59	2.68	4.03	2.15
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	45	14	28	16	17	3	49	61	18
Weakly magnetic fraction g	43	23	43	7	7	6	38	21	16
Non magnetic fraction g	2398	1915	1847	2017	3068	585	2588	3950	2120
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	87.0	35.0	70.0	23.0	25.0	8.0	88.0	82.0	34.0
TBE(<2.96 g/cc) float g	73.3	31.5	64.5	15.6	19.2	7.4	82.5	43.4	29.0
TBE(>2.96 g/cc) sink g	13.7	3.5	5.5	7.4	5.8	0.6	5.5	38.6	5.0
MI (<3.32 g/cc) float g	3.2		0.5	1.4	1.5		2.2	3.6	1.1
MI(>3.32 g/cc) sink g	**10.6**		**5.0**	**6.1**	**4.3**		**3.3**	**35.1**	**4.0**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5067	5068	5069	5070	5071	5072	5073	5074	5075
-0.86+0.25 mm concentrate no	H04-1154	H04-1155	H04-1156	H04-1157	H04-1158	H04-1159	H04-1160	H04-1161	H04-1162
Client Field no	**90838**	**90874**	**90766**	**90779**	**90632**	**90782**	**90639**	**90852**	**90758**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.90	23.26	25.56	26.55	36.47	23.10	36.59	33.30	25.25
Screening weights									
[illegible] mm wet kg	12.91	13.68	13.33	8.72	9.46	10.23	19.55	12.62	16.19
[illegible] wet kg	10.31	4.27	4.86	4.74	12.04	6.85	11.85	12.27	3.67
[illegible] mm wet kg	2.49	1.78	1.82	0.76	1.46	1.23	2.89	2.87	1.42
-0.86 to 0.25 mm dry kg	3.52	0.92	0.94	0.66	1.56	1.51	2.69	3.49	1.02
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	13	10	28	8	23	5	50	26	5
Weakly magnetic fraction g	11	4	18	4	39	4	47	22	4
Non magnetic fraction g	3494	909	893	650	1496	1499	2588	3444	1007
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	25.0	15.0	47.0	12.0	63.0	10.0	97.0	49.0	9.0
TBE(<2.96 g/cc) float g	20.5	10.7	34.0	8.7	59.3	8.3	72.0	43.2	7.8
TBE(>2.96 g/cc) sink g	4.5	4.3	13.0	3.3	3.7	1.7	25.0	5.8	1.2
MI (<3.32 g/cc) float g			4.9				2.3	1.0	
MI(>3.32 g/cc) sink g			**8.2**				**22.8**	**4.8**	
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5076	5077	5078	5079	5080	5081	5082	5083	5084
-0.86+0.25 mm concentrate no	H04-1163	H04-1164	H04-1165	H04-1166	H04-1167	H04-1168	H04-1169	H04-1170	H04-1171
Client Field no	**90586**	**90822**	**887481**	**90579**	**91708**	**877766**	**91641**	**877780**	**91673**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	38.48	23.59	38.05	33.57	33.94	43.13	38.81	42.05	40.10
Screening weights									
[illegible] wet kg	14.88	11.02	8.21	19.08	13.30	15.91	10.86	18.30	15.08
[illegible] wet kg	12.88	8.46	11.47	9.03	12.81	14.99	15.49	15.36	17.48
[illegible] wet kg	2.98	2.08	1.40	3.60	3.00	3.35	2.97	3.16	2.99
[illegible] dry kg	2.71	2.33	1.41	2.62	2.64	3.54	3.47	3.67	4.85
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	52	31	9	10	43	49	38	44	68
Weakly magnetic fraction g	60	48	7	12	21	35	20	26	46
Non magnetic fraction g	2598	2252	1395	2596	2573	3458	3409	3595	4735
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	112.0	80.0	16.0	22.0	64.0	85.0	58.0	70.0	114.0
TBE(<2.96 g/cc) float g	103.9	74.2	12.6	19.7	52.3	72.1	38.8	56.9	86.0
TBE(>2.96 g/cc) sink g	8.1	5.8	3.4	2.3	11.7	12.9	19.2	13.1	28.0
MI (<3.32 g/cc) float g	2.6	1.5			2.9	2.9	2.0	3.9	3.2
MI(>3.32 g/cc) sink g	**5.4**	**4.2**			**8.9**	**10.0**	**17.2**	**9.2**	**24.9**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5085	5086	5087	5088	5089	5090	5091	5092	5093
-0.86+0.25 mm concentrate no	H04-1172	H04-1173	H04-1174	H04-1175	H04-1176	H04-1177	H04-1178	H04-1179	H04-1180
Client Field no	**91622**	**90640**	**90693**	**90633**	**90635**	**91518**	**91763**	**91764**	**91508**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.65	41.75	33.73	30.53	36.70	31.90	29.73	39.69	27.19
Screening weights									
+[illegible] mm wet kg	8.37	14.84	13.73	12.99	17.83	14.06	20.17	10.03	10.72
[illegible] wet kg	14.50	15.75	12.82	11.63	14.17	10.95	9.08	19.71	8.59
[illegible] wet kg	2.14	3.79	3.10	2.36	4.76	3.06	3.99	4.48	2.41
-0.86+0.25 mm dry kg	2.85	4.43	3.68	3.36	4.27	3.25	2.07	5.53	3.02
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	35	72	43	102	46	28	13	32	36
Weakly magnetic fraction g	24	27	27	42	33	19	8	14	33
Non magnetic fraction g	2786	4330	3610	3213	4189	3199	2044	5485	2949
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	59.0	100.0	70.0	145.0	80.0	48.0	22.0	45.0	70.0
TBE(<2.96 g/cc) float g	46.0	52.8	50.9	114.8	57.9	42.4	18.0	28.9	59.3
TBE(>2.96 g/cc) sink g	13.0	47.2	19.1	30.2	22.1	5.6	4.0	16.1	10.7
MI (<3.32 g/cc) float g	1.6	3.9	5.2	6.8	3.1	1.4		2.1	2.1
MI(>3.32 g/cc) sink g	**11.4**	**43.4**	**14.0**	**23.5**	**19.1**	**4.2**		**14.0**	**8.6**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5094	5095	5096	5097	5098	5099	5100	5101	5102
-0.86+0.25 mm concentrate no	H04-1181	H04-1182	H04-1183	H04-1184	H04-1185	H04-1186	H04-1187	H04-1188	H04-1189
Client Field no	**91501**	**91766**	**91770**	**91514**	**91502**	**91524**	**90992**	**91765**	**91778**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	30.76	34.35	28.48	27.28	27.14	24.00	25.26	31.57	33.21
Screening weights									
[illegible] mm wet kg	14.07	11.15	11.59	15.42	12.17	16.01	20.03	20.17	11.80
[illegible] mm wet kg	10.07	13.20	9.76	6.41	8.25	7.10	3.97	9.78	12.62
[illegible] mm wet kg	1.51	3.16	2.62	1.75	1.53	2.47	1.60	3.41	3.41
0.85+0.25 mm dry kg	2.73	3.40	2.07	1.33	1.73	2.07	0.66	3.50	3.47
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	35	21	19	11	11	59	5	23	35
Weakly magnetic fraction g	32	19	17	15	11	20	7	13	32
Non magnetic fraction g	2666	3359	2030	1303	1707	1992	644	3467	3402
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	67.0	41.0	36.0	26.0	22.0	80.0	12.0	36.0	67.0
TBE(<2.96 g/cc) float g	62.6	34.3	30.1	24.4	20.5	66.7	11.5	28.5	58.8
TBE(>2.96 g/cc) sink g	4.4	6.7	5.9	1.6	1.5	13.3	0.5	7.5	8.2
MI (<3.32 g/cc) float g		1.3	2.0			3.2		1.5	1.6
MI(>3.32 g/cc) sink g		**5.5**	**4.0**			**10.1**		**6.0**	**6.6**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5103	5104	5105	5106	5107	5108	5109	5110	5111
-0.86+0.25 mm concentrate no	H04-1190	H04-1191	H04-1192	H04-1193	H04-1194	H04-1195	H04-1196	H04-1197	H04-1198
Client Field no	**91776B**	**91779**	**90980**	**91519**	**90991**	**91515**	**90999**	**90979**	**91521**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.50	38.59	35.61	30.60	24.69	26.05	26.91	30.03	25.87
Screening weights									
[illegible] wet kg	12.79	11.79	18.28	13.21	12.58	17.55	14.96	16.97	12.24
[illegible] wet kg	14.20	10.47	9.25	8.54	10.20	6.68	7.80	9.29	7.63
[illegible] wet kg	4.63	3.03	1.98	2.17	3.19	2.45	2.27	1.82	2.50
[illegible] mm dry kg	5.13	3.18	3.09	2.07	2.79	1.45	1.62	3.77	1.97
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	33	29	47	15	15	9	19	20	8
Weakly magnetic fraction g	28	32	55	11	15	11	12	15	8
Non magnetic fraction g	5063	3118	2991	2040	2761	1434	1592	3733	1949
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	61.0	61.0	102.0	27.0	30.0	21.0	31.0	35.0	16.0
TBE(<2.96 g/cc) float g	49.2	55.7	96.7	24.3	25.7	18.9	25.6	28.4	13.7
TBE(>2.96 g/cc) sink g	11.8	5.3	5.3	2.7	4.3	2.1	5.4	6.6	2.3
MI (<3.32 g/cc) float g	2.6	1.3	1.0				1.1	1.4	
MI(>3.32 g/cc) sink g	**9.2**	**4.0**	**4.3**				**4.3**	**5.5**	
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5112	5113	5114	5115	5116	5117	5118	5119	5120
-0.86+0.25 mm concentrate no	H04-1199	H04-1200	H04-1201	H04-1202	H04-1203	H04-1204	H04-1205	H04-1206	H04-1207
Client Field no	**90988**	**91513**	**90929**	**90960**	**91801**	**90948**	**91817**	**90976**	**91803**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	23.91	27.61	33.79	33.80	29.30	23.54	24.56	34.68	29.67
Screening weights									
+0.86 mm wet kg	9.67	14.11	14.83	5.34	11.49	11.41	12.45	11.82	11.90
-0.86 wet kg	9.66	10.92	7.98	8.18	11.04	6.32	7.61	11.76	12.75
-0.86+0.25 mm wet kg	1.39	3.51	2.08	1.24	2.01	2.44	2.59	2.07	2.44
-0.86+0.25 mm dry kg	1.97	3.58	2.20	1.58	2.57	1.23	1.99	3.29	2.95
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	16	30	16	16	29	12	31	26	29
Weakly magnetic fraction g	18	19	9	13	20	6	11	29	19
Non magnetic fraction g	1935	3531	2172	1546	2525	1207	1951	3234	2897
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	34.0	50.0	25.0	30.0	49.0	19.0	43.0	56.0	49.0
TBE(<2.96 g/cc) float g	32.4	39.8	18.7	27.3	40.6	13.7	24.3	47.8	39.5
TBE(>2.96 g/cc) sink g	1.6	10.2	6.3	2.7	8.4	5.3	18.7	8.2	9.5
MI (<3.32 g/cc) float g		2.2	1.6		1.8	1.5	2.7	2.1	2.0
MI(>3.32 g/cc) sink g		**7.9**	**4.6**		**6.6**	**3.8**	**16.2**	**6.2**	**7.5**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5121	5122	5123	5124	5125	5126	5127	5128	5129
-0.86+0.25 mm concentrate no	H04-1208	H04-1209	H04-1210	H04-1211	H04-1212	H04-1213	H04-1214	H04-1215	H04-1216
Client Field no	**91837**	**90945**	**91839**	**90923**	**90652**	**91836**	**91808**	**90955**	**91834**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.08	27.17	26.48	23.54	23.33	32.44	26.40	19.88	25.39
Screening weights									
[illegible] wet kg	13.06	12.16	8.41	13.75	16.73	8.93	5.98	12.49	15.75
[illegible] wet kg	6.48	4.43	6.30	6.47	4.12	4.82	6.84	4.60	6.86
[illegible] wet kg	1.97	1.75	1.31	2.32	1.63	2.20	1.16	1.77	2.89
[illegible] mm dry kg	1.83	0.80	1.57	1.46	0.98	1.19	1.35	1.09	1.60
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	45	3	83	17	14	67	16	8	13
Weakly magnetic fraction g	12	3	18	12	7	23	12	7	5
Non magnetic fraction g	1771	789	1465	1426	956	1104	1322	1074	1578
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	57.0	6.0	102.0	29.0	22.0	90.0	28.0	15.0	19.0
TBE(<2.96 g/cc) float g	28.4	5.2	62.5	22.9	16.9	43.3	23.1	12.1	10.5
TBE(>2.96 g/cc) sink g	28.6	0.8	39.5	6.1	5.1	46.7	4.9	2.9	8.5
MI (<3.32 g/cc) float g	5.8		15.6	1.0	1.5	5.8			0.7
MI(>3.32 g/cc) sink g	**22.9**		**24.3**	**5.1**	**3.6**	**41.5**			**7.8**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5130	5131	5132	5133	5134	5135	5136	5137	5138
-0.86+0.25 mm concentrate no	H04-1217	H04-1218	H04-1219	H04-1220	H04-1221	H04-1222	H04-1223	H04-1224	H04-1225
Client Field no	**90950**	**91806**	**90959**	**91805**	**90956**	**90938**	**91838**	**91809**	**90939**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	23.43	23.10	22.05	25.87	20.78	28.69	31.18	28.83	36.93
Screening weights									
[illegible] mm wet kg	14.49	10.14	10.73	15.66	12.83	14.65	14.90	7.34	8.90
[illegible] wet kg	2.52	8.95	5.93	13.18	3.67	7.25	4.91	15.92	14.56
[illegible] mm wet kg	1.09	1.85	1.36	6.93	1.52	1.50	1.80	1.38	2.79
[illegible] mm dry Kg	0.50	3.16	1.40	4.06	0.78	1.83	1.27	2.07	4.26
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	23	48	9	33	6	18	46	20	56
Weakly magnetic fraction g	14	40	9	15	3	19	9	14	39
Non magnetic fraction g	459	3073	1384	4010	773	1789	1210	2032	4166
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	37.0	88.0	18.0	48.0	9.0	37.0	55.0	33.0	94.0
TBE(<2.96 g/cc) float g	24.8	80.5	16.1	32.3	6.7	32.7	24.4	23.5	79.0
TBE(>2.96 g/cc) sink g	12.2	7.5	1.9	15.7	2.3	4.3	30.6	9.5	15.0
MI (<3.32 g/cc) float g	3.5	2.4		3.4			7.9	1.3	7.9
MI(>3.32 g/cc) sink g	**8.8**	**5.1**		**12.4**			**22.6**	**8.2**	**7.0**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5139	5140	5141	5142	5143	5144	5145	5146	5147
-0.86+0.25 mm concentrate no	H04-1226	H04-1227	H04-1228	H04-1229	H04-1230	H04-1231	H04-1232	H04-1233	H04-1234
Client Field no	**91804**	**90940**	**90942**	**90847**	**90958**	**90789**	**91781**	**91784**	**91788**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.00	24.47	25.25	30.06	22.97	26.89	25.11	23.65	30.99
Screening weights									
[illegible] mm wet kg	13.79	17.00	10.46	14.93	12.40	11.52	11.23	11.89	10.95
[illegible] mm wet kg	7.50	4.93	8.51	6.41	5.04	9.03	9.04	11.90	12.77
[illegible] mm wet kg	2.66	2.43	2.81	2.24	1.42	2.28	3.89	3.44	2.23
-0.86+0.25 mm dry kg	2.13	1.08	2.09	1.62	1.40	1.98	2.30	4.95	3.20
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	40	10	30	16	9	11	63	34	25
Weakly magnetic fraction g	37	5	25	13	12	8	21	23	25
Non magnetic fraction g	2049	1060	2035	1593	1379	1960	2218	4887	3153
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	77.0	15.0	54.0	29.0	21.0	19.0	83.0	57.0	49.0
TBE(<2.96 g/cc) float g	50.8	10.4	48.9	23.4	19.8	15.3	35.4	44.6	43.6
TBE(>2.96 g/cc) sink g	26.2	4.6	5.1	5.6	1.2	3.7	47.6	12.4	5.4
MI (<3.32 g/cc) float g	2.7		1.2	2.4			5.3	1.9	1.9
MI(>3.32 g/cc) sink g	**23.5**		**3.8**	**3.1**			**42.9**	**10.4**	**3.5**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5148	5149	5150	5151	5152	5153	5154	5155	5156
-0.86+0.25 mm concentrate no	H04-1235	H04-1236	H04-1237	H04-1238	H04-1239	H04-1240	H04-1241	H04-1242	H04-1243
Client Field no	**91785**	**91509**	**91510**	**91559**	**91782**	**91566**	**91856**	**91860**	**91564**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	20.67	35.81	28.46	25.78	25.61	28.22	21.17	24.20	31.69
Screening weights									
[illegible] wet kg	14.08	18.10	8.90	9.71	18.98	10.12	9.15	8.27	7.27
[illegible] wet kg	5.07	11.42	13.50	9.70	5.50	10.68	8.05	8.79	15.14
[illegible] wet kg	1.55	2.42	1.87	2.58	2.48	2.32	2.58	2.51	3.10
[illegible] dry kg	0.93	3.49	2.74	2.04	0.99	2.95	1.96	2.30	3.73
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	5	48	51	12	3	18	12	10	19
Weakly magnetic fraction g	7	19	38	8	2	17	10	8	18
Non magnetic fraction g	919	3420	2655	2019	989	2918	1935	2278	3693
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	12.0	67.0	89.0	20.0	6.0	35.0	22.0	18.0	37.0
TBE(<2.96 g/cc) float g	11.4	48.3	79.2	16.1	5.2	30.1	18.6	14.8	30.6
TBE(>2.96 g/cc) sink g	0.6	18.7	9.8	3.9	0.8	4.9	3.4	3.2	6.4
MI (<3.32 g/cc) float g		6.1	3.9						1.8
MI(>3.32 g/cc) sink g		**12.6**	**5.9**						**4.6**
Work record									
Date sample received	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04	29-Nov-04
Date concentrate shipped	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05	28-Jan-05

VIPI sample no	5157
-0.86+0.25 mm concentrate no	H04-1244
Client Field no	**91780**
Client	Twin Mining
As-received wt kg	24.42
Screening weights	
+2 mm wet kg	11.41
-2 mm wet kg	5.94
-2+0.86 mm wet kg	1.58
-0.86+0.25 mm dry kg	1.20
Magnetic Processing -0.86+0.25 mm	
Strongly magnetic fraction g	5
Weakly magnetic fraction g	7
Non magnetic fraction g	1185
Heavy Liquid processing -0.86+.25mm	
Start weight for heavy liquids g	12.0
TBE(<2.96 g/cc) float g	11.2
TBE(>2.96 g/cc) sink g	0.8
MI (<3.32 g/cc) float g	
MI(>3.32 g/cc) sink g	
Work record	
Date sample received	29-Nov-04
Date concentrate shipped	28-Jan-05

VIPI sample no	5158	5159	5160	5161	5162	5163	5164	5165
-0.86+0.25 mm concentrate no	H05-1295	H05-1296	H05-1297	H05-1298	H05-1299	H05-1300	H05-1301	H05-1302
Client Field no	**91507**	**91506**	**91783**	**91720**	**91862**	**91512**	**91858**	**91787**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.09	32.12	21.02	37.24	18.86	29.70	21.72	26.31
Screening weights								
+2 mm wet kg	11.99	12.18	9.87	9.73	7.24	13.47	8.06	7.22
[illegible] wet kg	12.19	11.66	9.28	15.87	6.36	10.83	6.66	9.62
[illegible] wet kg	4.01	2.60	4.16	2.46	1.49	2.48	1.93	1.61
-0.86+0.25 mm dry kg	3.56	3.07	2.85	3.53	1.42	4.32	1.55	2.01
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	32	28	18	47	17	35	4	24
Weakly magnetic fraction g	21	18	22	45	20	39	4	32
Non magnetic fraction g	3503	3023	2811	3438	1380	4243	1540	1953
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	54.0	46.0	41.0	92.0	37.0	75.0	9.0	56.0
TBE(<2.96 g/cc) float g	40.2	38.9	34.1	85.3	34.5	67.3	7.6	52.8
TBE(>2.96 g/cc) sink g	13.8	7.1	6.9	6.7	2.5	7.7	1.4	3.2
MI (<3.32 g/cc) float g	4.0	2.8	1.1	2.7		1.9		1.1
MI(>3.32 g/cc) sink g	**9.8**	**4.3**	**5.7**	**3.9**	**2.5**	**5.8**	**1.4**	**2.0**

VIPI sample no	5166	5167	5168	5169	5170	5171	5172	5173
-0.86+0.25 mm concentrate no	H05-1303	H05-1304	H05-1305	H05-1306	H05-1307	H05-1308	H05-1309	H05-1310
Client Field no	**91533**	**91528**	**91540**	**91545**	**91526**	**91534**	**91543**	**91546**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.25	25.63	23.95	23.80	26.82	30.27	31.22	34.26
Screening weights								
+2 mm wet kg	9.32	11.01	13.34	5.91	12.97	7.83	7.46	10.30
-2 mm wet kg	6.19	8.93	4.63	20.17	7.74	5.16	15.24	7.54
-0.86 mm wet kg	1.88	2.48	1.25	3.67	2.53	2.21	1.71	2.76
-0.86+0.25 mm dry kg	1.60	2.13	1.17	10.39	2.30	1.18	3.88	2.15
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	28	31	77	97	233	137	87	14
Weakly magnetic fraction g	26	17	30	24	117	63	54	14
Non magnetic fraction g	1544	2078	1065	10265	1951	984	3743	2122
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	54.0	47.0	106.0	121.0	350.0	199.0	141.0	28.0
TBE(<2.96 g/cc) float g	48.5	39.7	101.5	88.3	334.7	194.3	125.6	27.0
TBE(>2.96 g/cc) sink g	5.5	7.3	4.5	32.7	15.3	4.7	15.4	1.0
MI (<3.32 g/cc) float g	1.5	2.2		6.0	5.1		7.5	
MI(>3.32 g/cc) sink g	**3.9**	**5.1**	**4.5**	**26.8**	**10.1**	**2.3**	**7.9**	**1.0**

VIPI sample no	5174	5175	5176	5177	5178	5179	5180	5181
-0.86+0.25 mm concentrate no	H05-1311	H05-1312	H05-1313	H05-1314	H05-1315	H05-1316	H05-1317	H05-1318
Client Field no	**91549**	**91542**	**91525**	**91530**	**91536**	**91562**	**91569**	**91563**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.42	34.42	29.83	29.47	30.07	36.72	35.41	32.76
Screening weights								
[illegible] mm wet kg	10.28	9.23	13.72	11.03	7.01	10.87	9.20	8.86
[illegible] wet kg	7.90	13.85	9.21	8.10	13.01	9.71	13.94	15.18
[illegible] wet kg	2.02	1.68	2.65	2.75	1.37	2.46	3.65	3.82
-0.86+0.25 mm dry kg	1.79	3.94	2.74	1.07	3.51	3.08	3.88	4.82
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	13	114	66	12	53	33	45	30
Weakly magnetic fraction g	13	81	37	14	27	39	50	32
Non magnetic fraction g	1769	3746	2634	1044	3434	3011	3788	4758
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	27.0	195.0	104.0	27.0	80.0	72.0	95.0	62.0
TBE(<2.96 g/cc) float g	23.6	184.8	87.1	25.5	70.4	67.4	86.9	52.7
TBE(>2.96 g/cc) sink g	3.4	10.2	16.9	1.5	9.6	4.6	8.1	9.3
MI (<3.32 g/cc) float g		4.7	3.8		3.6		2.0	2.1
MI(>3.32 g/cc) sink g	**3.4**	**5.6**	**13.1**	**1.5**	**5.9**	**4.6**	**6.1**	**7.1**

VIPI sample no	5182	5183	5184	5185	5186	5187	5188	5189
-0.86+0.25 mm concentrate no	H05-1319	H05-1320	H05-1321	H05-1322	H05-1323	H05-1324	H05-1325	H05-1326
Client Field no	**91570**	**91552**	**91571**	**91532**	**91567**	**91575**	**91535**	**91547**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	29.32	24.97	24.88	25.05	36.68	25.18	22.59	34.24
Screening weights								
+2 mm wet kg	13.12	10.37	10.27	15.54	17.64	8.68	9.78	12.31
2 mm wet kg	13.00	7.92	11.21	5.46	9.86	9.37	10.67	12.79
-0.86+0.25 mm wet kg	4.67	1.82	3.59	2.16	4.17	2.98	2.90	2.34
-0.86+0.25 mm dry kg	4.64	1.99	3.24	1.07	5.56	2.46	3.93	3.68
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	70	21	18	10	31	13	57	45
Weakly magnetic fraction g	64	28	12	5	10	21	18	39
Non magnetic fraction g	4504	1939	3211	1050	5519	2422	3851	3600
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	134.0	49.0	30.0	15.0	41.0	33.0	75.0	83.0
TBE(<2.96 g/cc) float g	120.1	44.4	22.1	9.9	27.7	30.3	53.8	77.1
TBE(>2.96 g/cc) sink g	13.9	4.6	7.9	5.1	13.3	2.7	21.2	5.9
MI (<3.32 g/cc) float g	2.2		1.4	1.2	2.7		4.2	2.6
MI(>3.32 g/cc) sink g	**11.7**	**4.6**	**6.5**	**3.9**	**10.5**	**2.7**	**16.9**	**3.2**

VIPI sample no	5190	5191	5192	5193	5194	5195	5196	5197
-0.86+0.25 mm concentrate no	H05-1327	H05-1328	H05-1329	H05-1330	H05-1331	H05-1332	H05-1333	H05-1334
Client Field no	**91568**	**91573**	**91586**	**91574**	**91505**	**91523**	**91504**	**91531**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	38.02	33.61	25.51	33.29	28.66	23.84	29.17	29.79
Screening weights								
+2 mm wet kg	11.58	10.93	7.86	12.89	12.81	12.03	11.37	9.00
2mm wet kg	9.91	11.72	7.81	11.44	10.10	6.38	10.78	12.74
-0.86+0.25 mm wet kg	2.91	3.08	2.37	2.86	2.18	2.55	3.06	3.39
-0.86+0.25 mm dry kg	3.14	2.91	1.69	3.25	2.18	1.20	2.61	3.09
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	21	25	21	22	21	17	35	12
Weakly magnetic fraction g	35	27	17	25	18	11	17	17
Non magnetic fraction g	3087	2862	1651	3207	2139	1168	2561	3060
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	56.0	52.0	38.0	47.0	39.0	29.0	53.0	29.0
TBE(<2.96 g/cc) float g	53.2	46.4	32.2	40.6	32.5	21.6	39.8	27.2
TBE(>2.96 g/cc) sink g	2.8	5.6	5.8	6.4	6.5	7.4	13.2	1.8
MI (<3.32 g/cc) float g		1.7	1.1	1.3	2.0	3.6	2.4	
MI(>3.32 g/cc) sink g	**2.8**	**3.9**	**4.6**	**5.0**	**4.4**	**3.7**	**10.8**	**1.8**

VIPI sample no	5198	5199	5200	5201	5202	5203	5204	5205
-0.86+0.25 mm concentrate no	H05-1335	H05-1336	H05-1337	H05-1338	H05-1339	H05-1340	H05-1341	H05-1342
Client Field no	**91522**	**91548**	**91527**	**91544**	**91517**	**91551**	**91537**	**91529**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	22.22	26.07	27.13	28.53	24.76	35.23	27.92	26.37
Screening weights								
+2.0mm wet kg	11.91	15.56	12.55	7.05	14.34	11.67	11.81	12.15
-2+1mm wet kg	5.82	7.85	10.79	14.46	6.78	12.67	12.94	6.17
-1+0.86mm wet kg	1.88	3.08	2.21	2.92	2.31	2.87	2.65	2.09
-0.86+0.25 mm dry kg	1.54	1.85	3.32	4.73	1.54	3.42	4.37	1.27
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	22	35	59	66	26	53	70	241
Weakly magnetic fraction g	11	18	40	59	16	48	39	218
Non magnetic fraction g	1505	1801	3224	4606	1498	3318	4261	811
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	33.0	53.0	99.0	125.0	43.0	101.0	108.0	459.0
TBE(<2.96 g/cc) float g	24.3	46.3	89.3	112.2	38.3	94.6	92.2	457.1
TBE(>2.96 g/cc) sink g	8.7	6.7	9.7	12.8	4.7	6.4	15.8	1.9
MI (<3.32 g/cc) float g	2.6	2.5	3.6	4.2		1.8	5.3	
MI(>3.32 g/cc) sink g	**6.1**	**4.3**	**6.0**	**8.6**	**4.7**	**4.6**	**10.6**	**1.9**

VIPI sample no	5206	5207	5208	5209	5210	5211	5212	5213
-0.86+0.25 mm concentrate no	H05-1343	H05-1344	H05-1345	H05-1346	H05-1347	H05-1348	H05-1349	H05-1350
Client Field no	**91516**	**91539**	**91550**	**91560**	**91553**	**91558**	**91555**	**91520**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.20	24.91	33.42	26.67	21.66	25.62	29.53	22.81
Screening weights								
+2 mm wet kg	9.41	16.03	13.49	9.95	10.56	12.28	8.76	10.43
-2 mm +0.86 kg	17.26	6.35	7.82	11.56	6.75	7.61	12.70	6.90
-0.86+0.25 mm wet kg	5.96	2.83	2.24	3.06	1.70	2.09	3.18	2.39
-0.86+0.25 mm dry kg	6.14	1.42	2.44	3.18	1.62	1.72	3.40	1.49
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	145	19	41	26	12	12	39	9
Weakly magnetic fraction g	44	7	46	28	10	12	50	5
Non magnetic fraction g	5956	1390	2356	3120	1598	1697	3313	1474
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	190.0	26.0	87.0	54.0	22.0	25.0	88.0	14.0
TBE(<2.96 g/cc) float g	172.1	19.6	81.0	45.8	18.5	21.9	80.8	9.0
TBE(>2.96 g/cc) sink g	17.9	6.4	6.0	8.2	3.5	3.1	7.2	5.0
MI (<3.32 g/cc) float g	6.0	1.6	1.5	1.7			1.5	0.6
MI(>3.32 g/cc) sink g	**11.8**	**4.7**	**4.4**	**6.5**	**3.5**	**3.1**	**5.6**	**4.4**

VIPI sample no	5214	5215	5216	5217	5218	5219	5220	5221
-0.86+0.25 mm concentrate no	H05-1351	H05-1352	H05-1353	H05-1354	H05-1355	H05-1356	H05-1357	H05-1358
Client Field no	**91565**	**91584**	**91581**	**91541**	**91561**	**91538**	**91554**	**91556**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	33.65	28.85	28.59	26.26	27.84	24.17	30.33	29.47
Screening weights								
+2 mm wet kg	6.79	11.23	8.49	13.28	6.89	13.56	7.74	10.98
-2 mm wet kg	14.61	11.47	8.45	6.62	11.21	12.89	13.84	10.92
2+0.86 mm wet kg	2.95	2.40	2.41	2.29	2.09	1.48	2.56	2.56
0.86+0.25 mm dry kg	4.01	3.05	2.10	0.86	2.90	5.99	3.03	2.43
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	24	30	22	50	28	35	21	36
Weakly magnetic fraction g	18	25	25	22	23	12	23	37
Non magnetic fraction g	3971	2993	2054	791	2845	5938	2986	2357
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	41.0	55.0	47.0	72.0	51.0	47.0	44.0	73.0
TBE(<2.96 g/cc) float g	36.1	44.7	41.5	68.1	41.6	31.7	37.7	69.8
TBE(>2.96 g/cc) sink g	4.9	10.3	5.5	3.9	9.4	15.3	6.3	3.2
MI (<3.32 g/cc) float g		1.9	1.1		2.7	3.2	1.9	
MI(>3.32 g/cc) sink g	**4.9**	**8.3**	**4.5**	**3.9**	**6.6**	**12.0**	**4.3**	**3.2**

VIPI sample no	5222	5223	5224	5225	5226	5227	5228	5229
-0.86+0.25 mm concentrate no	H05-1359	H05-1360	H05-1361	H05-1362	H05-1363	H05-1364	H05-1365	H05-1366
Client Field no	**91585**	**91557**	**91580**	**91579**	**91756**	**91745**	**91754**	**91668**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.38	32.30	30.22	25.93	32.86	27.87	28.56	34.77
Screening weights								
+2 mm wet kg	8.28	9.62	7.71	10.53	11.54	10.86	10.89	9.29
-2+0.86 mm wet kg	10.71	11.67	13.16	9.67	14.41	9.69	11.62	11.69
-0.86+0.25 mm wet kg	3.32	2.54	2.82	2.68	2.39	2.34	2.33	1.26
-0.86+0.25 mm dry kg	2.71	2.93	3.15	2.40	3.62	1.55	2.70	2.56
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	50	22	28	14	49	36	40	33
Weakly magnetic fraction g	44	35	43	9	40	27	26	35
Non magnetic fraction g	2611	2872	3074	2382	3524	1491	2631	2490
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	94.0	57.0	71.0	22.0	89.0	62.0	66.0	68.0
TBE(<2.96 g/cc) float g	83.5	53.6	67.0	17.7	73.1	52.2	46.4	62.3
TBE(>2.96 g/cc) sink g	10.5	3.4	4.0	4.3	15.9	9.8	19.6	5.7
MI (<3.32 g/cc) float g	1.6				2.6	1.7	2.6	1.0
MI(>3.32 g/cc) sink g	**8.8**	**3.4**	**4.0**	**4.3**	**13.3**	**8.1**	**17.1**	**4.6**

VIPI sample no	5230	5231	5232	5233	5234	5235	5236	5237
-0.86+0.25 mm concentrate no	H05-1367	H05-1368	H05-1369	H05-1370	H05-1371	H05-1372	H05-1373	H05-1374
Client Field no	**91674**	**91666**	**91760**	**91675**	**91727**	**91716**	**91710**	**91740**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	39.25	36.39	38.93	35.23	33.75	27.42	26.37	34.92
Screening weights								
+2 mm wet kg	11.65	13.12	9.83	9.77	4.68	19.11	12.46	13.66
-2 mm wet kg	17.15	13.58	10.95	11.39	11.09	5.20	6.59	11.52
2+0.86 mm wet kg	3.05	2.35	2.15	2.73	1.52	1.56	1.59	2.37
-0.86+0.25 mm dry kg	4.28	3.14	3.50	2.90	2.16	1.66	1.97	2.48
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	75	49	36	51	56	47	44	34
Weakly magnetic fraction g	72	28	29	37	48	39	17	25
Non magnetic fraction g	4133	3065	3432	2816	2055	1570	1906	2420
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	147.0	77.0	65.0	88.0	105.0	86.0	62.0	60.0
TBE(<2.96 g/cc) float g	132.0	58.4	55.1	74.5	93.9	71.4	31.8	49.8
TBE(>2.96 g/cc) sink g	15.0	18.6	9.9	13.5	11.1	14.6	30.2	10.2
MI (<3.32 g/cc) float g	3.0	3.2	1.7	2.3	2.8	3.4	6.5	2.0
MI(>3.32 g/cc) sink g	**12.1**	**15.5**	**8.2**	**11.2**	**8.3**	**11.2**	**23.8**	**8.0**

VIPI sample no	5238	5239	5240	5241	5242	5243	5244	5245
-0.86+0.25 mm concentrate no	H05-1375	H05-1376	H05-1377	H05-1378	H05-1379	H05-1380	H05-1381	H05-1382
Client Field no	**91730**	**91729**	**91717**	**91731**	**91711**	**91755**	**91737**	**91709**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	39.04	32.71	31.64	36.38	36.40	28.85	40.19	31.11
Screening weights								
+2 mm wet kg	15.25	8.98	15.29	10.39	15.74	11.06	14.44	10.39
-2 mm wet kg	16.54	10.73	9.27	10.28	11.36	11.39	9.51	12.07
-0.86+0.25 mm wet kg	3.59	2.34	2.32	1.89	2.77	3.24	2.60	2.84
-0.86+0.25 mm dry kg	4.60	2.61	2.82	2.56	2.54	2.77	3.07	2.70
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	75	45	48	46	35	45	64	75
Weakly magnetic fraction g	45	33	39	49	37	36	59	67
Non magnetic fraction g	4480	2535	2733	2460	2465	2684	2949	2552
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	120.0	79.0	87.0	95.0	72.0	81.0	123.0	143.0
TBE(<2.96 g/cc) float g	86.1	62.3	61.6	86.4	64.9	64.9	106.1	135.8
TBE(>2.96 g/cc) sink g	33.9	16.7	25.4	8.6	7.1	16.1	16.9	7.2
MI (<3.32 g/cc) float g	5.9	4.5	5.2	2.4	2.2	3.0	2.9	2.3
MI(>3.32 g/cc) sink g	**27.9**	**12.2**	**20.2**	**6.2**	**5.0**	**13.1**	**13.9**	**4.9**

VIPI sample no	5246	5247	5248	5249	5250	5251	5252	5253
-0.86+0.25 mm concentrate no	H05-1383	H05-1384	H05-1385	H05-1386	H05-1387	H05-1388	H05-1389	H05-1390
Client Field no	**91712**	**91735**	**91669**	**91728**	**91722**	**91718**	**91742**	**91724**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	19.90	39.92	36.12	32.28	34.45	41.09	30.50	39.59
Screening weights								
+2 mm wet kg	8.05	16.33	11.95	15.90	10.40	13.85	11.67	10.51
2 mm wet kg	7.06	11.95	14.94	9.77	15.35	14.72	14.68	15.03
3 to 86 mm wet kg	2.04	3.46	3.03	1.62	2.52	3.46	2.97	2.48
0.86+0.25 mm dry kg	1.72	4.04	3.78	1.10	3.78	3.23	3.52	3.75
Magnetic Processing -0.86+0.25 mm								
Strongly magnetic fraction g	6	98	83	50	99	64	75	71
Weakly magnetic fraction g	9	93	76	47	92	65	59	59
Non magnetic fraction g	1708	3846	3619	1903	3587	3098	3386	3625
Heavy Liquid processing -0.86+.25mm								
Start weight for heavy liquids g	16.0	191.0	158.0	97.0	191.0	127.0	134.0	129.0
TBE(<2.96 g/cc) float g	14.2	178.9	136.6	85.4	175.8	117.9	108.5	113.2
TBE(>2.96 g/cc) sink g	1.8	12.1	21.4	11.6	15.2	9.1	25.5	15.8
MI (<3.32 g/cc) float g		2.5	3.7	2.0	3.0	2.5	3.7	3.6
MI(>3.32 g/cc) sink g	**1.8**	**9.6**	**17.6**	**9.6**	**11.7**	**6.5**	**21.8**	**12.0**

VIPI sample no	5254	5255	5256	5257
-0.86+0.25 mm concentrate no	H05-1391	H05-1392	H05-1393	H05-1394
Client Field no	**91725**	**91629**	**91757**	**91635**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	39.72	23.73	31.75	28.22
Screening weights				
+2 mm wet kg	10.53	14.32	11.90	11.96
2 mm wet kg	16.97	7.50	12.61	11.04
2+0.86 mm wet kg	2.69	2.29	3.36	2.93
-0.86+0.25 mm dry kg	4.64	1.89	3.11	3.73
Magnetic Processing -0.86+0.25 mm				
Strongly magnetic fraction g	73	16	44	143
Weakly magnetic fraction g	50	20	24	56
Non magnetic fraction g	4519	1850	3038	3530
Heavy Liquid processing -0.86+.25mm				
Start weight for heavy liquids g	123.0	37.0	68.0	200.0
TBE(<2.96 g/cc) float g	100.1	29.8	44.3	94.5
TBE(>2.96 g/cc) sink g	22.9	7.2	23.7	105.5
MI (<3.32 g/cc) float g	3.8	0.6	2.3	15.8
MI(>3.32 g/cc) sink g	**19.1**	**6.6**	**21.3**	**89.7**

VIPI sample no	5258	5259	5260	5261	5262	5263	5264	5265	5266
-0.86+0.25 mm concentrate no	H05-1516	H05-1517	H05-1518	H05-1519	H05-1520		H05-1521	H05-1522	H05-1523
Client Field no	**90763**	**90865**	**91833**	**90776**	**877765**	**90866**	**91816**	**90770**	**90857**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.25	23.36	36.06	25.50	40.05	22.82	35.19	22.89	30.78
Screening weights									
[illegible] mm wet kg	15.14	15.39	11.48	14.00	15.62	12.07	15.97	12.00	10.59
[illegible] wet kg	5.30	4.01	4.72	7.92	11.61	2.57	6.90	3.89	7.15
[illegible] wet kg	1.28	2.06	1.80	2.09	2.95	0.49	1.42	1.12	2.54
-0.86+0.25 mm dry kg	1.10	0.86	1.10	2.67	2.75	0.28	0.80	0.69	1.93
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	40	10	362	40	34	3	9	18	22
Weakly magnetic fraction g	13	9	86	23	26	2	7	6	26
Non magnetic fraction g	1046	841	653	2606	2689	272	787	664	1885
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	52.0	19.0	448.0	63.0	61.0	4.4	16.0	25.0	49.0
TBE(<2.96 g/cc) float g	28.5	15.1	443.8	45.0	45.8		12.8	15.2	43.4
TBE(>2.96 g/cc) sink g	23.5	3.9	4.2	18.0	15.2		3.2	9.8	5.6
MI (<3.32 g/cc) float g	9.0			5.6	2.7			4.1	1.8
MI(>3.32 g/cc) sink g	**14.5**	**3.9**	**4.2**	**12.3**	**12.4**	**4.4**	**3.2**	**5.6**	**3.7**

VIPI sample no	5267	5268	5269	5270	5271	5272	5273	5274	5275
-0.86+0.25 mm concentrate no	H05-1524	H05-1525	H05-1526	H05-1527	H05-1528	H05-1529	H05-1530	H05-1531	H05-1532
Client Field no	**90757**	**90835**	**90755**	**877768**	**90869**	**90777**	**90588**	**90899**	**887500**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.60	24.00	32.72	44.28	34.04	24.21	41.69	21.32	44.98
Screening weights									
[illegible] mm wet kg	12.52	12.15	12.19	15.90	9.71	12.74	16.48	7.25	21.76
[illegible] mm wet kg	9.74	8.55	11.87	9.78	11.79	7.60	15.35	6.67	12.31
[illegible] to mm wet kg	1.75	3.06	3.54	3.85	3.11	1.74	3.66	1.78	3.44
0.86+0.25 mm dry kg	4.27	1.89	2.74	4.16	3.59	1.49	3.39	2.46	2.89
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	40	20	26	50	55	17	57	49	33
Weakly magnetic fraction g	72	25	21	43	122	14	153	51	85
Non magnetic fraction g	4152	1843	2697	4071	3415	1458	3179	2355	2774
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	112.0	45.0	48.0	94.0	177.0	32.0	210.0	100.0	118.0
TBE(<2.96 g/cc) float g	104.4	40.6	40.0	84.9	164.2	25.5	201.4	86.2	106.7
TBE(>2.96 g/cc) sink g	7.6	4.4	8.0	9.1	12.8	6.5	8.6	13.8	11.3
MI (<3.32 g/cc) float g	2.6		3.2	2.4	4.6	2.5	2.3	3.0	3.0
MI(>3.32 g/cc) sink g	**4.9**	**4.4**	**4.8**	**6.7**	**8.1**	**3.9**	**6.5**	**10.9**	**8.4**

VIPI sample no	5276	5277	5278	5279	5280	5281	5282	5283	5284
-0.86+0.25 mm concentrate no	H05-1533	H05-1534	H05-1535	H05-1536	H05-1537	H05-1538	H05-1539	H05-1540	H05-1541
Client Field no	**877767**	**90832**	**90773**	**90870**	**90855**	**887496**	**90772**	**90892**	**90833**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	43.51	35.39	24.58	26.09	35.37	43.25	22.45	24.90	36.64
Screening weights									
[illegible] mm wet kg	19.30	8.78	11.33	11.48	14.01	18.66	13.13	14.56	7.30
[illegible] mm wet kg	14.05	19.84	7.94	9.93	12.53	10.40	4.03	7.47	17.07
[illegible] mm wet kg	3.36	3.26	2.56	2.79	3.74	4.17	1.41	4.00	2.78
0.86+0.25 mm dry kg	3.15	5.75	2.02	2.66	4.01	3.10	0.76	1.88	5.14
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	48	66	24	34	58	45	5	7	61
Weakly magnetic fraction g	116	149	69	70	144	92	19	25	162
Non magnetic fraction g	2990	5533	1929	2560	3804	2966	739	1845	4912
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	163.0	214.0	93.0	105.0	202.0	136.0	24.0	32.0	223.0
TBE(<2.96 g/cc) float g	148.1	196.7	86.8	94.1	194.4	120.0	22.1	30.9	208.5
TBE(>2.96 g/cc) sink g	14.9	17.3	6.2	10.9	7.6	16.0	1.9	1.1	14.5
MI (<3.32 g/cc) float g	2.6	7.6	1.4	3.8	2.4	2.7			4.8
MI(>3.32 g/cc) sink g	**12.3**	**9.5**	**4.6**	**7.1**	**5.1**	**13.1**	**1.9**	**1.1**	**9.6**

VIPI sample no	5285	5286	5287	5288	5289	5290	5291	5292	5293
-0.86+0.25 mm concentrate no	H05-1542	H05-1543	H05-1544	H05-1545	H05-1546		H05-1547	H05-1548	H05-1549
Client Field no	**90759**	**90881**	**90890**	**90895**	**90897**	**887954**	**887970**	**888089**	**888100**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	26.73	27.71	34.55	27.57	26.16	38.57	33.59	32.15	33.14
Screening weights									
[illegible] mm wet kg	14.94	7.85	9.77	15.70	13.09	13.49	19.54	11.01	11.93
[illegible] mm wet kg	5.47	4.46	9.97	7.30	8.71	9.12	7.92	10.88	11.17
[illegible] mm wet kg	2.91	1.20	2.83	2.52	1.97	1.49	2.30	2.30	2.00
0.86+0.25 mm dry kg	1.27	1.15	2.76	1.68	2.23	1.17	1.69	1.82	1.60
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	7	193	51	13	26	1	8	14	4
Weakly magnetic fraction g	26	104	134	43	73	1	8	41	6
Non magnetic fraction g	1232	849	2569	1619	2127	1171	1677	1770	1593
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	33.0	296.0	185.0	55.0	99.0	2.2	15.0	55.0	10.0
TBE(<2.96 g/cc) float g	31.1	244.9	179.8	52.1	96.2		11.6	47.1	8.3
TBE(>2.96 g/cc) sink g	1.9	51.1	5.2	2.9	2.8		3.4	7.9	1.7
MI (<3.32 g/cc) float g		46.4	2.4					0.8	
MI(>3.32 g/cc) sink g	**1.9**	**4.7**	**2.8**	**2.9**	**2.8**	**2.2**	**3.4**	**7.1**	**1.7**

VIPI sample no	5294	5295	5296	5297	5298	5299	5300	5301	5302
-0.86+0.25 mm concentrate no	H05-1550	H05-1551	H05-1552	H05-1553	H05-1554	H05-1555	H05-1556	H05-1557	H05-1558
Client Field no	**887956**	**887985**	**888063**	**888082**	**888083**	**888081**	**887490**	**888087**	**887457**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	38.64	38.48	28.98	33.62	33.94	32.84	43.02	29.87	35.90
Screening weights									
+2 mm wet kg	18.06	16.88	10.74	14.37	10.49	17.57	22.60	8.88	16.64
-2+0.86 mm wet kg	11.58	8.67	9.35	7.07	9.21	9.51	6.96	11.67	9.39
-0.86+0.25 mm wet kg	1.96	1.96	1.58	1.55	2.09	1.83	1.94	1.20	2.82
-0.86+0.25 mm dry kg	3.59	2.12	2.93	2.11	1.99	2.85	2.02	1.90	1.75
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	29	28	25	8	15	55	42	16	8
Weakly magnetic fraction g	98	75	68	17	52	144	110	49	15
Non magnetic fraction g	3463	2011	2835	2080	1919	2650	1866	1831	1729
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	128.0	104.0	93.0	25.0	68.0	200.0	151.0	65.0	24.0
TBE(<2.96 g/cc) float g	124.1	99.4	84.4	22.8	63.7	196.9	139.0	61.3	19.2
TBE(>2.96 g/cc) sink g	3.9	4.6	8.6	2.2	4.3	3.1	12.0	3.7	4.8
MI (<3.32 g/cc) float g			1.3				3.1		
MI(>3.32 g/cc) sink g	**3.9**	**4.6**	**7.3**	**2.2**	**4.3**	**3.1**	**8.8**	**3.7**	**4.8**

VIPI sample no	5303	5304	5305	5306	5307	5308	5309	5310	5311
-0.86+0.25 mm concentrate no	H05-1559	H05-1560	H05-1561	H05-1562	H05-1563	H05-1564	H05-1565	H05-1566	H05-1567
Client Field no	**887960**	**888072**	**887494**	**887467**	**887597**	**888067**	**887981**	**888074**	**888091**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	34.50	36.19	43.08	42.91	37.77	35.56	35.10	42.12	36.91
Screening weights									
+2 mm wet kg	18.36	19.01	22.51	18.04	24.76	12.07	21.00	16.70	16.69
[illegible] mm wet kg	8.48	8.41	11.75	14.83	5.98	8.80	8.94	12.45	7.28
[illegible]-0.86 mm wet kg	1.23	1.53	2.84	2.28	2.11	1.64	2.76	3.66	2.25
0.86+0.25 mm dry kg	1.40	1.59	2.71	5.19	1.74	2.92	1.73	4.50	2.11
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	14	6	44	104	8	21	10	68	40
Weakly magnetic fraction g	45	23	103	227	23	68	35	155	86
Non magnetic fraction g	1336	1563	2559	4862	1712	2828	1687	4280	1980
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	59.0	29.0	148.0	331.0	31.0	88.0	46.0	223.0	126.0
TBE(<2.96 g/cc) float g	57.6	27.8	133.0	301.6	28.6	81.7	43.4	207.0	118.2
TBE(>2.96 g/cc) sink g	1.4	1.2	15.0	29.4	2.4	6.3	2.6	16.0	7.8
MI (<3.32 g/cc) float g			3.1	5.6		1.6		4.7	2.0
MI(>3.32 g/cc) sink g	**1.4**	**1.2**	**11.8**	**23.8**	**2.4**	**4.6**	**2.6**	**11.2**	**5.8**

VIPI sample no	5312	5313	5314	5315	5316	5317	5318	5319	5320
-0.86+0.25 mm concentrate no	H05-1568	H05-1569	H05-1570	H05-1571	H05-1572	H05-1573	H05-1574		H05-1575
Client Field no	**887990**	**886942**	**887963**	**878174**	**886913**	**887492**	**887491**	**888088**	**887961**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	44.61	41.94	34.36	38.08	30.77	38.33	37.89	32.27	40.91
Screening weights									
+2 mm wet kg	16.59	17.30	19.02	11.65	20.36	22.09	18.05	12.37	8.72
-2+0.86 mm wet kg	18.44	12.37	6.20	16.85	7.75	9.87	8.14	9.31	7.62
-0.86+0.25 mm wet kg	4.15	3.59	1.73	3.24	2.64	3.20	1.97	2.35	2.23
-0.86+0.25 mm dry kg	7.16	3.42	1.65	4.64	1.26	2.57	2.01	1.52	1.38
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	94	63	7	64	9	33	32	2	13
Weakly magnetic fraction g	127	111	12	150	29	79	86	2	34
Non magnetic fraction g	6934	3250	1626	4429	1225	2453	1895	1511	1327
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	220.0	174.0	19.0	214.0	39.0	111.0	118.0	3.9	47.0
TBE(<2.96 g/cc) float g	199.2	155.8	17.0	204.4	36.9	100.3	109.4		45.1
TBE(>2.96 g/cc) sink g	20.8	18.2	2.0	9.6	2.1	10.7	8.6		1.9
MI (<3.32 g/cc) float g	3.9	5.3		3.1		1.9	1.4		
MI(>3.32 g/cc) sink g	**16.8**	**12.8**	**2.0**	**6.4**	**2.1**	**8.8**	**7.2**	**3.9**	**1.9**

VIPI sample no	5321	5322	5323	5324	5325	5326	5327	5328	5329
-0.86+0.25 mm concentrate no	H05-1576	H05-1577	H05-1578	H05-1579	H05-1580	H05-1581	H05-1582	H05-1583	H05-1584
Client Field no	**887992**	**887497**	**887477**	**90784**	**90786**	**90858**	**90888**	**90686**	**90889**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	37.54	40.27	39.39	25.56	23.37	26.92	26.58	24.72	22.36
Screening weights									
[illegible] mm wet kg	26.23	19.84	16.61	11.83	12.36	10.93	12.49	13.07	9.80
[illegible] wet kg	7.76	9.42	12.47	6.66	3.92	9.06	9.65	6.59	5.94
[illegible] mm wet kg	2.89	2.92	2.88	2.65	1.36	1.67	3.12	3.00	1.92
-0.86+0.25 mm dry kg	1.26	1.87	2.31	1.86	1.11	1.97	2.59	1.81	1.54
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	14	18	23	22	15	27	33	22	16
Weakly magnetic fraction g	37	41	53	62	45	77	87	57	53
Non magnetic fraction g	1207	1813	2232	1782	1046	1864	2458	1734	1465
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	51.0	59.0	76.0	84.0	60.0	104.0	119.0	79.0	69.0
TBE(<2.96 g/cc) float g	49.2	52.7	68.2	79.0	54.5	99.1	115.2	75.2	66.9
TBE(>2.96 g/cc) sink g	1.8	6.3	7.8	5.0	5.5	4.9	3.8	3.8	2.1
MI (<3.32 g/cc) float g		1.5	2.1		0.9				
MI(>3.32 g/cc) sink g	**1.8**	**4.6**	**5.7**	**5.0**	**4.6**	**4.9**	**3.8**	**3.8**	**2.1**

VIPI sample no	5330	5331	5332	5333	5334	5335	5336	5337	5338
-0.86+0.25 mm concentrate no	H05-1585	H05-1586	H05-1587	H05-1588	H05-1589	H05-1590	H05-1591	H05-1592	H05-1593
Client Field no	**90900**	**90893**	**90876**	**90856**	**90774**	**90868**	**90527**	**90853**	**90898**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	23.48	22.36	20.99	24.18	27.97	28.31	31.04	28.30	26.01
Screening weights									
[illegible] mm wet kg	16.66	10.07	10.79	9.96	12.65	14.73	9.57	11.38	12.58
[illegible] wet kg	4.59	4.79	3.54	7.19	6.43	7.12	9.92	11.10	9.05
[illegible] mm wet kg	2.22	1.36	1.11	2.30	1.82	2.40	1.55	3.84	2.73
-0.86+0.25 mm dry kg	1.04	1.13	0.70	1.58	1.75	1.56	2.17	3.01	2.90
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	15	15	7	13	41	23	29	30	42
Weakly magnetic fraction g	41	31	19	38	59	49	82	79	105
Non magnetic fraction g	982	1080	675	1531	1655	1487	2059	2903	2749
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	56.0	46.0	26.0	51.0	100.0	72.0	111.0	110.0	148.0
TBE(<2.96 g/cc) float g	53.6	40.1	24.1	48.0	75.1	61.5	106.8	104.1	142.0
TBE(>2.96 g/cc) sink g	2.4	5.9	1.9	3.0	24.9	10.5	4.2	5.9	6.0
MI (<3.32 g/cc) float g		3.4			9.4	3.0		1.8	1.9
MI(>3.32 g/cc) sink g	**2.4**	**2.3**	**1.9**	**3.0**	**15.4**	**7.5**	**4.2**	**4.0**	**4.1**

VIPI sample no	5339	5340	5341	5342	5343	5344	5345	5346	5347
-0.86+0.25 mm concentrate no	H05-1594	H05-1595	H05-1596	H05-1597	H05-1598	H05-1599	H05-1600	H05-1601	H05-1602
Client Field no	**90886**	**878180**	**90867**	**90781**	**90885**	**90159**	**90546**	**90753**	**90883**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.43	43.78	24.56	25.76	21.37	33.39	26.74	26.92	28.83
Screening weights									
+[illegible] mm wet kg	11.49	18.12	12.89	13.24	10.31	17.80	10.15	15.00	11.06
[illegible] mm wet kg	8.28	15.07	4.91	5.03	4.41	11.14	8.40	6.44	12.44
[illegible] mm wet kg	2.40	3.34	2.22	1.47	0.71	3.95	1.72	1.70	3.00
-0.86+0.25 mm dry kg	2.34	4.73	1.13	0.97	0.61	3.27	2.11	1.45	3.34
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	39	90	13	3	6	31	30	22	50
Weakly magnetic fraction g	98	123	27	4	21	71	71	52	116
Non magnetic fraction g	2198	4518	1091	966	581	3166	2012	1379	3177
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	137.0	213.0	41.0	8.0	27.0	103.0	101.0	74.0	167.0
TBE(<2.96 g/cc) float g	131.3	173.2	35.1	6.3	26.0	93.6	94.0	69.0	162.4
TBE(>2.96 g/cc) sink g	5.7	39.8	5.9	1.7	1.0	9.4	7.0	5.0	4.6
MI (<3.32 g/cc) float g	1.6	6.8	1.8			3.1	3.8		
MI(>3.32 g/cc) sink g	**4.1**	**32.8**	**4.0**	**1.7**	**1.0**	**6.3**	**3.2**	**5.0**	**4.6**

VIPI sample no	5348	5349	5350	5351	5352	5353	5354	5355	5356
-0.86+0.25 mm concentrate no	H05-1603	H05-1604	H05-1605	H05-1606	H05-1607	H05-1608	H05-1609	H05-1610	H05-1611
Client Field no	**90700**	**90872**	**90887**	**90541**	**90891**	**877764**	**90850**	**90935**	**91813**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.07	21.24	31.93	36.14	20.84	43.09	25.74	22.95	21.30
Screening weights									
[illegible] mm wet kg	13.53	9.40	11.88	16.79	12.19	21.39	14.80	13.24	7.91
[illegible] mm wet kg	4.74	5.01	11.40	13.80	7.47	10.55	5.66	6.61	9.04
[illegible] mm wet kg	1.61	1.92	2.70	3.72	2.64	2.51	1.81	2.03	1.95
-0.86+0.25 mm dry kg	1.13	1.05	3.55	4.50	1.52	2.74	1.42	1.41	2.12
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	8	10	63	79	6	35	13	9	25
Weakly magnetic fraction g	26	23	128	150	16	60	26	20	52
Non magnetic fraction g	1097	1020	3354	4269	1496	2650	1382	1376	2045
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	35.0	33.0	191.0	229.0	21.0	95.0	39.0	30.0	77.0
TBE(<2.96 g/cc) float g	32.9	27.3	183.7	222.7	19.9	84.4	32.4	26.5	68.3
TBE(>2.96 g/cc) sink g	2.1	5.7	7.3	6.3	1.1	10.6	6.6	3.5	8.7
MI (<3.32 g/cc) float g		1.8	2.8	2.8		2.4	1.7		1.2
MI(>3.32 g/cc) sink g	**2.1**	**3.8**	**4.5**	**3.4**	**1.1**	**8.1**	**4.8**	**3.5**	**7.4**

VIPI sample no	5357
-0.86+0.25 mm concentrate no	H05-1612
Client Field no	**90655**
Client	Twin Mining
As-received wt kg	24.46
Screening weights	
+2 mm wet kg	13.66
-2 mm wet kg	5.26
-2+0.86 mm wet kg	2.63
-0.86+0.25 mm dry kg	1.13
Magnetic Processing -0.86+0.25 mm	
Strongly magnetic fraction g	13
Weakly magnetic fraction g	20
Non magnetic fraction g	1093
Heavy Liquid processing -0.86+.25mm	
Start weight for heavy liquids g	33.0
TBE(<2.96 g/cc) float g	26.3
TBE(>2.96 g/cc) sink g	6.7
MI (<3.32 g/cc) float g	1.4
MI(>3.32 g/cc) sink g	**5.3**

VIPI sample no	5358	5359	5360	5361	5362	5363	5364	5365	5366
-0.86+0.25 mm concentrate no	H05-1688	H05-1689	H05-1690	H05-1691	H05-1692	H05-1693	H05-1694	H05-1695	H05-1696
Client Field no	**90651**	**90941**	**90597**	**90914**	**90924**	**91818**	**90916**	**90653**	**90920**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.65	29.89	20.52	22.31	28.91	27.93	27.88	24.77	27.55
Screening weights									
[illegible] mm wet kg	8.25	10.78	9.47	7.40	13.92	15.69	9.09	8.18	8.42
[illegible] mm wet kg	11.35	11.46	6.96	11.09	6.67	7.92	10.28	11.25	10.04
[illegible] mm wet kg	2.11	2.12	3.00	2.39	2.10	2.49	2.74	2.97	1.85
0.85+0.25 mm dry kg	2.99	2.45	1.66	2.05	1.56	1.64	2.94	3.42	2.32
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	59	49	10	22	50	30	41	44	41
Weakly magnetic fraction g	94	103	16	33	96	30	89	66	72
Non magnetic fraction g	2835	2298	1635	1994	1410	1579	2808	3313	2210
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	153.0	151.0	26.0	55.0	146.0	61.0	131.0	110.0	114.0
TBE(<2.96 g/cc) float g	135.5	142.7	21.5	46.1	120.6	41.3	122.6	93.3	102.9
TBE(>2.96 g/cc) sink g	17.5	8.3	4.5	8.9	25.4	19.7	8.4	16.7	11.1
MI (<3.32 g/cc) float g	8.1	3.8	0.0	3.1	8.6	2.3	3.7	5.2	6.9
MI(>3.32 g/cc) sink g	**9.4**	**4.5**	**4.5**	**5.8**	**16.8**	**17.4**	**4.7**	**11.5**	**4.2**

VIPI sample no	5367	5368	5369	5370	5371	5372	5373	5374	5375
-0.86+0.25 mm concentrate no	H05-1697	H05-1698	H05-1699	H05-1700	H05-1701	H05-1702	H05-1703	H05-1704	H05-1705
Client Field no	**90660**	**90977**	**90973**	**90919**	**90947**	**90843**	**90599**	**90925**	**91815**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	27.87	28.10	25.11	25.77	23.45	37.72	28.42	22.12	25.91
Screening weights									
+[illegible] mm wet kg	7.24	10.06	7.18	5.01	13.61	16.71	12.22	10.37	11.54
[illegible] mm wet kg	12.44	8.37	10.94	5.74	5.86	12.82	13.07	6.82	8.72
[illegible] mm wet kg	1.97	2.03	1.35	0.91	2.33	3.27	3.33	1.81	2.31
0.86+0.25 mm dry kg	3.45	2.74	4.39	1.12	0.85	4.45	3.90	1.82	2.21
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	42	28	88	14	3	30	56	19	29
Weakly magnetic fraction g	74	66	161	38	3	72	85	49	52
Non magnetic fraction g	3332	2649	4143	1071	845	4348	3758	1752	2133
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	116.0	94.0	249.0	52.0	6.0	102.0	141.0	68.0	81.0
TBE(<2.96 g/cc) float g	109.0	85.5	238.1	49.9	4.4	91.0	122.1	61.4	70.4
TBE(>2.96 g/cc) sink g	7.0	8.5	10.9	2.1	1.6	11.0	18.9	6.6	10.6
MI (<3.32 g/cc) float g	3.1	2.4	1.5	0.0	0.0	3.3	6.0	1.5	1.9
MI(>3.32 g/cc) sink g	**3.9**	**6.1**	**9.4**	**2.1**	**1.6**	**7.7**	**12.9**	**5.1**	**8.7**

VIPI sample no	5376	5377	5378	5379	5380	5381	5382	5383	5384
-0.86+0.25 mm concentrate no	H05-1706	H05-1707	H05-1708	H05-1709	H05-1710	H05-1711	H05-1712	H05-1713	H05-1714
Client Field no	**90600**	**90915**	**90591**	**90593**	**90592**	**90953**	**90912**	**90974**	**90598**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	32.39	25.97	23.60	25.37	28.69	23.68	19.35	29.66	23.26
Screening weights									
+4 mm wet kg	7.50	13.95	9.75	13.45	5.11	17.13	9.38	13.89	10.41
-4+1 mm wet kg	7.77	9.47	8.29	5.21	12.72	3.85	4.76	7.85	8.25
-1+0.86 mm wet kg	1.17	4.29	1.75	2.57	1.17	1.48	1.37	2.12	2.57
-0.86+0.25 mm dry kg	2.39	2.54	2.71	1.44	3.41	0.77	0.89	2.76	2.30
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	49	37	45	23	96	8	5	33	23
Weakly magnetic fraction g	94	61	84	44	146	12	13	77	40
Non magnetic fraction g	2251	2442	2585	1377	3164	752	868	2646	2233
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	143.0	98.0	129.0	67.0	242.0	20.0	18.0	110.0	63.0
TBE(<2.96 g/cc) float g	136.8	79.6	112.6	59.4	234.9	15.6	16.7	103.6	53.7
TBE(>2.96 g/cc) sink g	6.2	18.4	16.4	7.6	7.1	4.4	1.3	6.4	9.3
MI (<3.32 g/cc) float g	3.6	4.5	4.9	1.8	3.9	0.0	0.0	1.8	3.3
MI(>3.32 g/cc) sink g	**2.6**	**13.9**	**11.5**	**5.8**	**3.2**	**4.4**	**1.3**	**4.6**	**6.0**

VIPI sample no	5385	5386	5387	5388	5389	5390	5391	5392	5393
-0.86+0.25 mm concentrate no	H05-1715	H05-1716	H05-1717	H05-1718	H05-1719	H05-1720	H05-1721	H05-1722	H05-1723
Client Field no	**90842**	**90949**	**90659**	**90657**	**91811**	**90595**	**90654**	**90911**	**90944**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	31.12	23.86	24.46	27.86	32.12	25.86	25.74	22.80	29.33
Screening weights									
[illegible] mm wet kg	10.89	10.61	9.23	10.36	10.27	10.88	13.71	7.37	11.41
[illegible] wet kg	11.01	5.87	11.09	8.43	14.85	7.60	10.09	7.44	5.78
[illegible] mm wet kg	3.21	1.76	2.02	3.60	2.78	2.07	2.37	2.42	1.93
-0.86+0.25 mm dry kg	3.64	1.34	2.74	1.43	4.09	2.00	2.71	1.85	1.20
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	48	19	38	14	50	26	37	13	6
Weakly magnetic fraction g	105	37	62	481	105	30	46	29	21
Non magnetic fraction g	3487	1288	2635	935	3936	1941	2625	1810	1175
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	153.0	56.0	100.0	495.0	156.0	56.0	83.0	42.0	27.0
TBE(<2.96 g/cc) float g	145.6	47.2	92.4	492.0	143.6	43.6	71.5	36.1	25.4
TBE(>2.96 g/cc) sink g	7.4	8.8	7.6	3.0	12.4	12.4	11.5	5.9	1.6
MI (<3.32 g/cc) float g	2.5	2.1	2.7	0.0	2.6	3.2	3.8	1.0	0.0
MI(>3.32 g/cc) sink g	**4.9**	**6.7**	**4.9**	**3.0**	**9.8**	**9.2**	**7.7**	**4.9**	**1.6**

VIPI sample no	5394	5395	5396	5397	5398	5399	5400	5401	5402
-0.86+0.25 mm concentrate no	H05-1724	H05-1725	H05-1726	H05-1727	H05-1728	H05-1729	H05-1730	H05-1731	H05-1732
Client Field no	**90936**	**91810**	**90594**	**90841**	**90932**	**90954**	**90596**	**90975**	**90848**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.28	33.72	22.90	23.35	22.29	21.83	24.44	29.74	26.88
Screening weights									
[illegible] wet kg	12.80	13.51	14.26	10.11	15.67	13.60	9.87	12.98	14.15
[illegible] wet kg	8.82	16.19	6.79	8.54	4.14	4.85	7.50	6.89	6.23
[illegible] wet kg	3.30	4.94	3.11	2.95	1.85	1.70	2.15	1.88	1.33
0.86-0.25 mm dry kg	2.27	4.93	1.70	2.60	0.99	0.94	2.37	1.43	1.99
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	31	69	21	20	9	9	39	15	36
Weakly magnetic fraction g	44	106	16	54	17	21	78	43	85
Non magnetic fraction g	2196	4753	1662	2527	965	906	2252	1372	1870
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	75.0	175.0	37.0	74.0	26.0	30.0	117.0	58.0	121.0
TBE(<2.96 g/cc) float g	62.8	145.0	23.0	69.1	21.9	26.9	104.6	56.1	115.0
TBE(>2.96 g/cc) sink g	12.2	30.0	14.0	4.9	4.1	3.1	12.4	1.9	6.0
MI (<3.32 g/cc) float g	5.4	3.4	1.8	0.0	0.0	0.0	3.3	0.0	2.7
MI(>3.32 g/cc) sink g	**6.8**	**26.6**	**12.2**	**4.9**	**4.1**	**3.1**	**9.1**	**1.9**	**3.3**

VIPI sample no	5403	5404	5405	5406	5407	5408	5409	5410	5411
-0.86+0.25 mm concentrate no	H05-1733	H05-1734	H05-1735	H05-1736	H05-1737	H05-1738	H05-1739		H05-1740
Client Field no	**90972**	**90934**	**90849**	**90926**	**90951**	**90917**	**90937**	**90913**	**90931**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	25.31	21.74	21.28	21.61	23.92	22.56	20.96	18.25	21.83
Screening weights									
[illegible] mm wet kg	14.31	14.44	10.79	12.18	13.61	16.19	13.02	11.44	9.70
[illegible] mm wet kg	5.19	5.09	5.57	3.69	3.11	9.19	4.94	4.15	5.70
[illegible] mm wet kg	1.45	1.95	1.37	0.94	0.93	5.07	2.01	1.13	1.21
0.86+0.25 mm dry kg	1.19	1.16	1.54	0.65	0.57	2.45	1.41	0.61	1.45
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	14	15	38	9	39	18	16	2	18
Weakly magnetic fraction g	35	27	47	23	54	19	30	2	37
Non magnetic fraction g	1145	1115	1449	619	475	2410	1367	608	1394
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	49.0	42.0	85.0	32.0	93.0	36.0	46.0	3.1	55.0
TBE(<2.96 g/cc) float g	46.1	36.5	63.4	31.0	67.6	27.6	40.8	3.1	49.4
TBE(>2.96 g/cc) sink g	2.9	5.5	21.6	1.0	25.4	8.4	5.2		5.6
MI (<3.32 g/cc) float g	0.0	1.8	2.0	0.0	5.5	2.0	1.6	-3.1	1.4
MI(>3.32 g/cc) sink g	**2.9**	**3.7**	**19.6**	**1.0**	**19.9**	**6.4**	**3.6**	**3.1**	**4.2**

VIPI sample no	5412	5413	5414	5415	5416	5417	5418	5419	5420
-0.86+0.25 mm concentrate no	H05-1741	H05-1742	H05-1743	H05-1744	H05-1745	H05-1746	H05-1747	H05-1748	H05-1749
Client Field no	**90952**	**90658**	**90946**	**90971**	**90845**	**90846**	**91859**	**91857**	**91864**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	19.95	30.90	28.52	27.93	34.36	33.63	23.75	24.20	24.81
Screening weights									
[illegible] mm wet kg	11.29	5.05	15.16	11.97	14.80	10.38	9.54	11.91	9.46
[illegible] wet kg	5.22	12.57	4.74	9.35	9.26	13.08	9.19	10.37	8.43
[illegible] mm wet kg	1.52	1.14	1.47	1.56	1.75	3.21	2.77	2.67	2.37
0.86+0.25 mm dry kg	1.06	3.33	0.77	2.08	1.75	4.33	2.78	2.81	2.32
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	16	114	6	24	24	50	21	27	14
Weakly magnetic fraction g	28	151	18	58	59	107	44	45	36
Non magnetic fraction g	1011	3064	743	1998	1666	4170	2717	2743	2268
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	44.0	265.0	25.0	82.0	84.0	157.0	66.0	71.0	50.0
TBE(<2.96 g/cc) float g	36.7	257.5	24.3	77.2	80.8	141.0	59.9	59.9	46.8
TBE(>2.96 g/cc) sink g	7.3	7.5	0.7	4.8	3.2	16.0	6.1	11.1	3.2
MI (<3.32 g/cc) float g	1.7	3.8	0.0	0.0	0.0	5.2	1.4	2.9	0.0
MI(>3.32 g/cc) sink g	**5.6**	**3.7**	**0.7**	**4.8**	**3.2**	**10.8**	**4.7**	**8.2**	**3.2**

VIPI sample no	5421	5422	5423	5424	5425	5426	5427	5428	5429
-0.86+0.25 mm concentrate no	H05-1750	H05-1751	H05-1752	H05-1753	H05-1754	H05-1755	H05-1756	H05-1757	H05-1758
Client Field no	**91942**	**91934**	**91944**	**91861**	**91943**	**91945**	**91941**	**91949**	**91937**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	23.52	22.11	26.10	25.14	29.11	21.65	21.19	18.09	19.67
Screening weights									
+[illegible] mm wet kg	6.71	11.58	7.98	12.12	5.95	13.44	10.77	10.29	10.03
[illegible] mm wet kg	11.79	7.70	9.83	7.63	5.70	8.87	6.82	3.70	5.16
[illegible] mm wet kg	2.59	1.85	2.41	2.18	1.43	2.36	2.02	0.87	1.63
-0.86+0.25 mm dry kg	3.09	1.61	2.88	1.97	1.18	3.71	1.69	0.77	1.41
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	34	23	34	19	13	31	14	22	26
Weakly magnetic fraction g	70	43	71	45	30	62	30	21	26
Non magnetic fraction g	2984	1547	2779	1906	1139	3619	1642	728	1360
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	104.0	66.0	104.0	64.0	43.0	93.0	43.0	43.0	52.0
TBE(<2.96 g/cc) float g	94.1	58.9	96.9	60.7	40.4	85.8	37.5	36.7	36.8
TBE(>2.96 g/cc) sink g	9.9	7.1	7.1	3.3	2.6	7.2	5.5	6.3	15.2
MI (<3.32 g/cc) float g	2.0	1.5	1.5	0.0	0.0	2.0	0.9	2.7	3.7
MI(>3.32 g/cc) sink g	**7.9**	**5.6**	**5.6**	**3.3**	**2.6**	**5.2**	**4.6**	**3.6**	**11.5**

VIPI sample no	5430	5431	5432	5433	5434	5435	5436	5437	5438
-0.86+0.25 mm concentrate no	H05-1759	H05-1760	H05-1761	H05-1762	H05-1763	H05-1764	H05-1765	H05-1766	H05-1767
Client Field no	**91946**	**91863**	**91948**	**91866**	**91950**	**91938**	**91867**	**90982**	**90985**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	22.65	30.15	23.66	24.87	21.83	21.18	22.44	33.46	35.95
Screening weights									
+2.5mm wet kg	12.66	6.58	8.12	5.99	15.49	7.44	11.68	9.72	10.43
-2.5+1 wet kg	5.84	15.30	10.82	11.26	3.95	8.12	8.87	10.92	15.52
-1+0.86mm wet kg	2.50	2.56	1.66	1.89	1.25	1.71	2.51	2.30	4.10
-0.86+0.25 mm dry kg	1.41	4.58	3.14	2.60	0.46	1.85	2.25	2.47	4.15
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	12	99	78	19	5	18	38	27	151
Weakly magnetic fraction g	16	199	145	38	10	40	78	31	214
Non magnetic fraction g	1385	4279	2920	2540	445	1795	2135	2412	3792
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	28.0	297.0	222.0	56.0	15.0	58.0	117.0	58.0	364.0
TBE(<2.96 g/cc) float g	21.9	289.9	218.1	51.5	13.6	53.8	112.7	47.0	358.4
TBE(>2.96 g/cc) sink g	6.1	7.1	3.9	4.5	1.4	4.2	4.3	11.0	5.6
MI (<3.32 g/cc) float g	1.0	2.4	0.0	0.0	0.0	0.0	0.0	2.9	2.3
MI(>3.32 g/cc) sink g	**5.1**	**4.7**	**3.9**	**4.5**	**1.4**	**4.2**	**4.3**	**8.1**	**3.3**

VIPI sample no	5439	5440	5441	5442	5443	5444	5445	5446	5447
-0.86+0.25 mm concentrate no	H05-1768	H05-1769	H05-1770	H05-1771	H05-1772	H05-1773	H05-1774	H05-1775	H05-1776
Client Field no	**91947**	**91503**	**91800**	**91865**	**91658**	**91657**	**91738**	**91617**	**91659**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	24.76	27.29	35.70	23.17	33.55	36.42	36.17	26.63	30.90
Screening weights									
[illegible] mm wet kg	9.15	13.71	14.75	8.52	10.77	14.00	11.71	11.05	7.71
[illegible] mm wet kg	9.03	10.19	15.66	9.72	9.99	18.08	16.48	10.50	14.94
[illegible] mm wet kg	2.59	2.24	3.51	2.20	2.00	4.50	3.90	2.19	2.66
-0.86+0.25 mm dry kg	2.16	2.94	5.04	2.81	2.22	4.76	3.82	2.32	3.60
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	18	24	49	24	40	98	54	34	50
Weakly magnetic fraction g	177	47	107	51	62	101	80	72	85
Non magnetic fraction g	1960	2868	4884	2735	2118	4564	3686	2209	3465
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	196.0	71.0	155.0	75.0	102.0	200.0	134.0	107.0	135.0
TBE(<2.96 g/cc) float g	190.6	64.5	143.9	68.3	86.6	145.3	111.2	102.9	118.0
TBE(>2.96 g/cc) sink g	5.4	6.5	11.1	6.7	15.4	54.7	22.8	4.1	17.0
MI (<3.32 g/cc) float g	2.4	1.7	2.2	1.7	3.1	6.2	3.5	0.0	3.2
MI(>3.32 g/cc) sink g	**3.0**	**4.8**	**8.9**	**5.0**	**12.3**	**48.5**	**19.3**	**4.1**	**13.8**

VIPI sample no	5448	5449	5450	5451	5452	5453
-0.86+0.25 mm concentrate no	H05-1777	H05-1778	H05-1779	H05-1780	H05-1781	H05-1782
Client Field no	**91624**	**91661**	**91670**	**91667**	**91651**	**91640**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	35.45	34.29	32.17	31.14	33.91	35.12
Screening weights						
+2 mm wet kg	6.01	12.84	11.73	16.33	11.61	13.41
2 mm wet kg	18.56	15.50	12.54	10.38	15.19	13.90
-0.86 mm wet kg	3.06	2.84	3.53	2.80	2.61	2.57
0.86+0.25 mm dry kg	5.19	3.59	3.66	2.59	3.31	3.42
Magnetic Processing -0.86+0.25 mm						
Strongly magnetic fraction g	73	54	57	40	66	53
Weakly magnetic fraction g	94	100	78	59	96	96
Non magnetic fraction g	5025	3432	3524	2495	3148	3273
Heavy Liquid processing -0.86+.25mm						
Start weight for heavy liquids g	168.0	154.0	136.0	99.0	162.0	149.0
TBE(<2.96 g/cc) float g	136.7	138.3	109.4	80.4	138.8	134.9
TBE(>2.96 g/cc) sink g	31.3	15.7	26.6	18.6	23.2	14.1
MI (<3.32 g/cc) float g	5.6	3.1	3.6	2.3	4.2	2.5
MI(>3.32 g/cc) sink g	**25.7**	**12.6**	**23.0**	**16.3**	**19.0**	**11.6**

VIPI sample no	5665	5666	5667	5668	5669	5670	5671	5672	5673
-0.86+0.25 mm concentrate no	H05-1783	H05-1784	H05-1785	H05-1786	H05-1787	H05-1788	H05-1789	H05-1790	H05-1791
Client Field no	**91644**	**91706**	**91677**	**91671**	**91642**	**91660**	**91645**	**91672**	**91664**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	38.16	32.54	40.17	39.25	30.23	41.82	29.97	40.36	36.90
Screening weights									
[illegible] wt kg	13.17	13.45	11.99	15.25	15.68	15.79	11.47	9.02	10.02
[illegible]	17.25	12.22	17.63	14.69	10.77	17.38	12.05	15.32	17.83
[illegible]	3.47	2.58	3.07	2.72	2.64	3.03	3.03	2.58	3.60
[illegible] 0.25 mm dry kg	5.23	2.87	4.48	4.02	2.53	4.25	2.77	4.39	4.55
Magnetic Processing -0.86+0.25 mm									
Strongly magnetic fraction g	53	46	36	32	27	33	35	34	55
Weakly magnetic fraction g	64	57	46	79	61	48	69	75	92
Non magnetic fraction g	5114	2754	4401	3909	2437	4171	2664	4276	4403
Heavy Liquid processing -0.86+.25mm									
Start weight for heavy liquids g	5114	2754	4401	3909	2437	4171	2664	4276	4403
TBE(<2.96 g/cc) float g	5067.9	2734.5	4377.9	3894.4	2421.1	4149.4	2638.7	4260.5	4386.2
TBE(>2.96 g/cc) sink g	46.1	19.6	22.6	14.6	15.4	21.6	25.3	15.0	16.4
MI (<3.32 g/cc) float g	6.6	4.1	3.8	2.0	2.0	4.3	4.1	4.1	2.6
MI(>3.32 g/cc) sink g	**39.5**	**15.5**	**18.8**	**12.6**	**13.4**	**17.3**	**21.2**	**10.9**	**13.8**

VIPI sample no	5674	5675	5676	5677
-0.86+0.25 mm concentrate no	H05-1792	H05-1793	H05-1794	H05-1795
Client Field no	**91665**	**91719**	**91723**	**91705**
Client	Twin Mining	Twin Mining	Twin Mining	Twin Mining
As-received wt kg	36.57	38.99	34.62	38.16
Screening weights				
+2 mm wet kg	15.45	7.34	11.64	14.75
-2 mm wet kg	14.51	16.29	14.84	13.47
-2+0.86 mm wet kg	3.75	2.54	3.18	2.87
-0.86+0.25 mm dry kg	3.91	3.83	3.23	3.46
Magnetic Processing -0.86+0.25 mm				
Strongly magnetic fraction g	42	22	55	32
Weakly magnetic fraction g	81	59	86	90
Non magnetic fraction g	3782	3751	3092	3341
Heavy Liquid processing -0.86+.25mm				
Start weight for heavy liquids g	3782	3751	3092	3341
TBE(<2.96 g/cc) float g	3756.1	3741.7	3078.6	3329.6
TBE(>2.96 g/cc) sink g	25.7	9.4	13.5	11.0
MI (<3.32 g/cc) float g	3.2	3.1	2.9	4.1
MI(>3.32 g/cc) sink g	**22.5**	**6.3**	**10.6**	**6.9**

ANNEX 6

Kimberlite Indicator Minerals Visually Selected at HDM Laboratories Inc. from Heavy Mineral Concentrates Prepared from Till Samples by Vancouver Indicator Processors Inc. and Verified by Ingrid Kjarsgaard at Carleton University on the Basis of Electron Microprobe Analyses

Jackson Inlet Project - 2004

Brodeur Peninsula, Baffin Island, Nunavut

FINAL MICROPROBE CONFIRMED KIMBERLITIC INDICATOR MINERAL REPORT

KIMBERLITE INDICATOR MINERALS VISUALLY SELECTED AT HDM LABORATORIES INC. AND CONFIRMED BY ELECTRON MICROPROBE ANALYSES BY DR. INGRID KJARSGAARD, CARLETON UNIVERSITY, OTTAWA

INDICATOR MINERAL SELECTION FROM -20+60 MESH FRACTION OF HEAVY MINERAL CONCENTRATES PREPARED BY VANCOUVER INDICATOR PROCESSORS INC. FROM 20-LITRE TILL SAMPLES

FOR

TWIN MINING CORPORATION
JACKSON INLET PROJECT, BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

HDM Laboratories, Inc
1302 East First Street
Loveland, CO 80537

Karen J. Hilton
Karen J. Hilton
Laboratory Manager
February 8, 2006

2004 Field Samples

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	Confirmed Cr2O3 40-60%	Confirmed Cr2O3 20-40%	Confirmed Cr2O3 <20%	Olv	Other
1	90159	1										
2	90501		1?									
3	90502											
4	90503		1?					1				
5	90504											
6	90505				1							
7	90506											
8	90507											
9	90508											
10	90509			1								
11	90510											
12	90511											
13	90512											
14	90513											
15	90514											
16	90515								1			
17	90516											
18	90517											
19	90518					2			1			
20	90520											
21	90521											
22	90522											
23	90523											
24	90524											
25	90525											
26	90526											
27	90527											
28	90528											
29	90529											
30	90530											
31	90531											
32	90532											
33	90533	1										
34	90534											
35	90535					1						
36	90536	1										
37	90537					2						
38	90538											
39	90539											
40	90540											
41	90541			1								
42	90542					4						
43	90543					3						
44	90544	1										
45	90545											
46	90546			1								
47	90547											
48	90548											
49	90549											
50	90550		1?									

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
51	90551											
52	90552											
53	90553											
54	90554											
55	90555	1										
56	90556											
57	90557											
58	90558											
59	90559	1										
60	90560											
61	90561											
62	90562											
63	90563											
64	90564	1			1							
65	90565								1			
66	90566											
67	90567											
68	90568											
69	90569											
70	90570											
71	90571											
72	90572	1										
73	90573							1				
74	90574											
75	90575											
76	90576											
77	90577											
78	90578											
79	90579											
80	90580											
81	90581											
82	90582					1						
83	90583											
84	90584											
85	90585											
86	90586											
87	90587											
88	90588											
89	90589				1							
90	90590											
91	90591											
92	90592				1							
93	90593											
94	90594											
95	90595											
96	90596		1?									
97	90597											
98	90598											
99	90599											
100	90600											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	Confirmed Cr2O3 40-60%	Confirmed Cr2O3 20-40%	Confirmed Cr2O3 <20%	Olv	Other
101	90601											
102	90602			1								
103	90603											
104	90604											
105	90605					1						
106	90606					2			1			
107	90607					1		1				
108	90608											
109	90609											
110	90610					1						
111	90611											
112	90612											
113	90613											
114	90614											
115	90615											
116	90616											
117	90617											
118	90618											
119	90619											
120	90620											
121	90621					4						
122	90622											
123	90623											
124	90624								1			
125	90625					1		1				
126	90626							4	1			
127	90627											
128	90628											
129	90629	1				1			1			
130	90630											
131	90631							1				
132	90632											
133	90633											
134	90634											
135	90635											
136	90636											
137	90637											
138	90638		1?			2		1	1			
139	90639							1				
140	90640					1		1	1			
141	90641											
142	90642					4						
143	90643											
144	90644							1				
145	90645								1			
146	90646											
147	90647											
148	90648											
149	90649											
150	90650	1	1?		1							

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
151	90651											
152	90652											
153	90653											
154	90654											
155	90655							1				
156	90656											
157	90657											
158	90658											
159	90659											
160	90660											
161	90661	1										
162	90662											
163	90663											
164	90664				1							
165	90665											
166	90666											
167	90667					1						
168	90668											
169	90669											
170	90670											
171	90671											
172	90672											
173	90673											
174	90674											
175	90675											
176	90676											
177	90677											
178	90678											
179	90679											
180	90680											
181	90681											
182	90682											
183	90683											
184	90684											
185	90685											
186	90686								1			
187	90687											
188	90688											
189	90689											
190	90690							1				
191	90691											
192	90692							1				
193	90693											
194	90694											
195	90695											
196	90696											
197	90697											
198	90698											
199	90699											
200	90700											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
201	90701					1		1				
202	90702					2						
203	90703											
204	90704											
205	90705											
206	90706											
207	90707											
208	90708											
209	90709	1										
210	90710											
211	90751				1							
212	90752											
213	90753		1?									
214	90754											
215	90755											
216	90756								1			
217	90757											
218	90758											
219	90759							1				
220	90760					1			1			
221	90761											
222	90762											
223	90763											
224	90764							1	1			
225	90765					1		1				
226	90766											
227	90767											
228	90768											
229	90769											
230	90770											
231	90771											
232	90772											
233	90773											
234	90774					1			1			
235	90775											
236	90776											
237	90777											
238	90778											
239	90779											
240	90780	1						1				
241	90781											
242	90782											
243	90783											
244	90784				1							
245	90785				1							
246	90786											
247	90787											
248	90788											
249	90789											
250	90790											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
251	90801					1		1				
252	90802											
253	90803					1						
254	90804											
255	90805											
256	90806											
257	90807					1						
258	90808											
259	90809											
260	90810											
261	90811											
262	90812					1						
263	90813											
264	90814											
265	90815											
266	90816											
267	90817	1										
268	90818											
269	90819	1										
270	90820											
271	90821											
272	90822				1							
273	90823											
274	90824											
275	90825											
276	90826											
277	90827	1										
278	90828											
279	90829											
280	90830											
281	90831				1			1				
282	90832				1							
283	90833		1?									
284	90834							2	2			
285	90835											
286	90836											
287	90837							1				
288	90838											
289	90839											
290	90840											
291	90841											
292	90842				1				1			
293	90843				1							
294	90844											
295	90845											
296	90846							2				
297	90847											
298	90848											
299	90849											
300	90850											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	Confirmed Cr2O3 40-60%	Confirmed Cr2O3 20-40%	Confirmed Cr2O3 <20%	Olv	Other
301	90851											
302	90852											
303	90853											
304	90854											
305	90855											
306	90856											
307	90857			1								
308	90858											
309	90859											
310	90860							1				
311	90861											
312	90862					1						
313	90863											
314	90864											
315	90865											
316	90866											
317	90867											
318	90868							1				
319	90869				1							
320	90870											
321	90871											
322	90872											
323	90873											
324	90874											
325	90875											
326	90876											
327	90877											
328	90878											
329	90879							1				
330	90880											
331	90881											
332	90882					1		1				
333	90883											
334	90884	1										
335	90885											
336	90886					1						
337	90887							1				
338	90888											
339	90889											
340	90890											
341	90891											
342	90892											
343	90893											
344	90894		1?									
345	90895							1	1			
346	90896											
347	90897											
348	90898											
349	90899											
350	90900											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	Confirmed Cr2O3 40-60%	Confirmed Cr2O3 20-40%	Confirmed Cr2O3 <20%	Olv	Other
351	90901											
352	90902							2				
353	90903							1				
354	90904											
355	90905											
356	90906							1				
357	90907											
358	90908											
359	90910					1		1				
360	90911											
361	90912								1			
362	90913											
363	90914											
364	90915											
365	90916				1							
366	90917											
367	90918											
368	90919											
369	90920											
370	90921											
371	90922											
372	90923	1						1				
373	90924											
374	90925			1								
375	90926					2						
376	90927											
377	90928											
378	90929											
379	90930											
380	90931											
381	90932											
382	90933							1				
383	90934											
384	90935											
385	90936				1							
386	90937				1	1		2				
387	90938							1				
388	90939							1				
389	90940											
390	90941		1?									
391	90942					1		1				
392	90943											
393	90944											
394	90945											
395	90946											
396	90947											
397	90948											
398	90949							1				
399	90950				1							
400	90951								1			

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	Confirmed Cr2O3 40-60%	Confirmed Cr2O3 20-40%	Confirmed Cr2O3 <20%	Olv	Other
401	90952											
402	90953											
403	90954											
404	90955											
405	90956											
406	90957											
407	90958											
408	90959											
409	90960											
410	90961											
411	90962											
412	90963							1	1			
413	90964											
414	90965											
415	90966					1		1				
416	90967					5		5	2			
417	90968											
418	90969				1				1			
419	90970											
420	90971											
421	90972											
422	90973								1			
423	90974											
424	90975											
425	90976				1			1				
426	90977											
427	90978											
428	90979				1			1				
429	90980											
430	90981											
431	90982				1							
432	90983											
433	90984											
434	90985											
435	90986					1		1				
436	90987											
437	90988											
438	90989											
439	90990											
440	90991											
441	90992											
442	90993											
443	90994											
444	90995											
445	90996											
446	90997											
447	90998											
448	90999											
449	91501	1										1 corundum
450	91502											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
451	91503											
452	91504	2						1				
453	91505				2							
454	91506											
455	91507											
456	91508							1				
457	91509											
458	91510											
459	91511							2				
460	91512											
461	91513											
462	91514											
463	91515											
464	91516											
465	91517											
466	91518											
467	91519											
468	91520							1				
469	91521											
470	91522											
471	91523	1	1?									
472	91524											
473	91525											
474	91526											
475	91527											
476	91528											
477	91529											
478	91530											
479	91531							1				
480	91532											
481	91533	2										
482	91534											
483	91535			1								
484	91536				1							
485	91537				1							
486	91538	1						1				
487	91539											
488	91540											
489	91541											
490	91542											
491	91543											
492	91544				1							
493	91545					1						
494	91546											
495	91547							1				
496	91548											
497	91549											
498	91550											
499	91551											
500	91552											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
501	91553											
502	91554											
503	91555				1							
504	91556				1	1						
505	91557											
506	91558			1								
507	91559											
508	91560	1						1				
509	91561											
510	91562			1	1							
511	91563							1				
512	91564											
513	91565				1							
514	91566											
515	91567			1								
516	91568											
517	91569											
518	91570											
519	91571											
520	91572											
521	91573											
522	91574				1							
523	91575							1				
524	91576											
525	91577							1	1			
526	91578											
527	91579				1							
528	91580											
529	91581											
530	91582							1				
531	91583							1	1			1- Nb rutile
532	91584											
533	91585											
534	91586											
535	91587											
536	91588											
537	91589	1						1				
538	91590											
539	91591							1				
540	91592							1	1			
541	91593											
542	91594											
543	91595											
544	91596											
545	91597											
546	91598											
547	91599				1				1			
548	91600	1-lost										
549	91601											
550	91602											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
551	91603				1			1				
552	91604											
553	91605				1							
554	91606											
555	91607											
556	91608				1	1		1	1			
557	91609				1							
558	91610							1				
559	91611	1										
560	91612							1	1			
561	91613	1										
562	91614					2						
563	91615											
564	91616					2						
565	91617											
566	91618											
567	91619											
568	91620					1		1				
569	91621	1										
570	91622			1								
571	91623											
572	91624	1			2			2				
573	91625											
574	91626											
575	91627											
576	91628											
577	91629							1				
578	91630							2				
579	91631											
580	91632											
581	91633				1							
582	91634					2		1				
583	91635					1		4	1			
584	91636					1			2			
585	91637		1?					1				
586	91638					1						
587	91639					2		1	2			
588	91640											
589	91641							1	3			
590	91642											
591	91643											
592	91644	1				1		1				
593	91645											
594	91646							2				
595	91647								1			
596	91648											
597	91649											
598	91650											
599	91651								1			
600	91652					1			1			

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
601	91653								1			
602	91654											
603	91655					2		1	1			
604	91656					3						
605	91657					1		2	1			
606	91658				1							
607	91659											
608	91660				1							
609	91661											
610	91662											
611	91663											
612	91664				1							
613	91665											
614	91666											
615	91667			1		1			1			
616	91668											
617	91669											
618	91670					1		2				
619	91671	1		1								
620	91672											
621	91673											
622	91674				1							
623	91675											
624	91676											
625	91677											
626	91701											
627	91702											
628	91703											
629	91704											
630	91705											
631	91706											
632	91707											
633	91708											
634	91709											
635	91710											
636	91711											
637	91712											
638	91713					1		1				
639	91714											
640	91715							1				
641	91716											
642	91717											
643	91718											
644	91719											
645	91720											
646	91721											
647	91722											
648	91723											
649	91724											
650	91725											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	Confirmed Cr2O3 40-60%	Confirmed Cr2O3 20-40%	Confirmed Cr2O3 <20%	Olv	Other
651	91726			1								
652	91727											
653	91728											
654	91729	1										
655	91730							1				
656	91731											
657	91732					1						
658	91733											
659	91734											
660	91735											
661	91736											
662	91737			1								
663	91738					1		1	1			
664	91739											
665	91740											
666	91741											
667	91742											
668	91743					1						
669	91744											
670	91745											
671	91746											
672	91747											
673	91748											
674	91749							1				
675	91750								1			
676	91751			1								
677	91752				1							
678	91753				1							
679	91754							2				
680	91755											
681	91756								1			
682	91757							1	1			
683	91758											
684	91759					1						
685	91760											
686	91761					1						
687	91762											
688	91763											
689	91764		1?			1						
690	91765	1										
691	91766											
692	91767					1						
693	91768								1			
694	91769											
695	91770	1						1				
696	91771											
697	91772											
698	91773											
699	91774											
700	91775											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
701	91776											
702	91778											
703	91779											
704	91780											
705	91781					2						
706	91782											
707	91783			1		3						
708	91784				2							
709	91785											
710	91786	1										
711	91787											
712	91788											
713	91789											
714	91790							1				
715	91791					1		1				
716	91792											
717	91793											
718	91794											
719	91795											
720	91796											
721	91797					1						
722	91798											
723	91799											
724	91800				1							
725	91801											
726	91802											
727	91803											
728	91804											
729	91805				1							
730	91806											
731	91807							1				
732	91808											
733	91809											
734	91810							2	1			
735	91811											
736	91812											
737	91813											
738	91814							1				
739	91815											
740	91816											
741	91817											
742	91818											
743	91819			1								
744	91820	1			1							
745	91821					1		1				
746	91822											
747	91823					2		2	2			
748	91824					2		1				
749	91825											
750	91826											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
751	91827					1						
752	91828											
753	91829											
754	91830					1						
755	91831					1						
756	91832											
757	91833											
758	91834											
759	91835											
760	91836											
761	91837							2				
762	91838							1				
763	91839							1				
764	91840											
765	91841			1								
766	91842											
767	91843											
768	91844											
769	91845											
770	91846											
771	91847					2						
772	91848											
773	91849							1				
774	91850					1						
775	91851											
776	91852											
777	91853											
778	91854					1		1				
779	91855					1						
780	91856											
781	91857				1							
782	91858											
783	91859											
784	91860											
785	91861							1				
786	91862											
787	91863	1										
788	91864											
789	91865											
790	91866											
791	91867											
792	91868											
793	91869											
794	91870											
795	91871								1			
796	91872											
797	91901							1				
798	91902											
799	91903											
800	91904											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
801	91905											
802	91906											
803	91907											
804	91908											
805	91909											
806	91910											
807	91911											
808	91912				1							
809	91913				1							
810	91914					1						
811	91915			1								
812	91916											
813	91917											
814	91918					1		1	1			
815	91919											
816	91920											
817	91921											
818	91922											
819	91923											
820	91924											
821	91925											
822	91926							1				
823	91927											
824	91928					1						
825	91929		1?									
826	91930											
827	91931											
828	91932											
829	91933											
830	91934											
831	91935											
832	91936											
833	91937											
834	91938				1							
835	91939											
836	91940											
837	91941											
838	91942											
839	91943											
840	91944											
841	91945											
842	91946											
843	91947			1								
844	91948					1		1				
845	91949											
846	91950											
847	92527											
848	200001											
849	200002											
850	200003											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
851	200004											
852	200005											
853	200006											
854	200007											
855	200008											
856	200009											
857	200010											
858	200011											
859	200012											
860	200013											
861	200014											
862	200015											
863	877751							2				
864	877752							1	1			1 Nb rutile
865	877753					3						
866	877754							1				
867	877755							1				
868	877756					1		1				
869	877757							2				
870	877758											
871	877759							2				
872	877760											
873	877761	1										
874	877762											
875	877763											
876	877764	1										
877	877765							1				
878	877766											
879	877767				1			1				
880	877768	1			1							
881	877769							1				
882	877770				1							
883	877771							1				
884	877772											
885	877773			1				1				
886	877774					1						
887	877775											
888	877776							1				
889	877777								1			
890	877778											
891	877779											
892	877780			1								
893	877781											
894	877782											
895	877783											
896	877784											
897	877785											
898	877786		1?									
899	877787											
900	877788											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
901	877789							1				
902	877790							1				
903	877791				1							
904	877792	1				4		1	4			
905	877793											
906	877794							1				1-Nb rutile
907	877795					2						
908	877796											
909	877797					1			1			
910	877798					1						
911	877799											
912	877800					1						
913	878151											
914	878152											
915	878153							1				
916	878154											
917	878155											
918	878156											
919	878157											
920	878158							1				
921	878159							1				
922	878160	1										
923	878161											
924	878162											
925	878163											
926	878164											
927	878165											
928	878166							1				
929	878167											
930	878168							1				
931	878169											
932	878170	1							1			
933	878171											
934	878172											
935	878173											
936	878174											
937	878175	1			1							
938	878176											
939	878177							1				
940	878178											
941	878179											
942	878180					1		2				
943	878181					1						
944	878182					1						
945	878183					1		1	1			
946	878184					4		2	3			
947	878185											
948	878186							2	1			
949	878187											
950	878188											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
951	878189											
952	878190					2			2			
953	878191	1						2				
954	878192		1?			1		1				
955	878193							2				
956	878194											
957	878195					1		2	1			
958	878196							1				
959	878197							2	1			
960	878198					1		2				
961	878199							13	1			
962	886901											
963	886902							1				
964	886903											
965	886904											
966	886905											
967	886906											
968	886907											
969	886908											
970	886909											
971	886910											
972	886911								1			
973	886912											
974	886913								1			
975	886914							1				
976	886915											
977	886916											
978	886917											
979	886918											
980	886919							3	2			
981	886920							1				
982	886921					1						
983	886922							4	1			
984	886923											
985	886924					1		1				
986	886925											
987	886926								1			
988	886927											
989	886928											
990	886929											
991	886930											
992	886931								1			
993	886932											
994	886933											
995	886934											
996	886935							1				
997	886936											
998	886937				1			1				
999	886938											
1000	886939					1		1	1			

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
1001	886940	1							2			
1002	886941											
1003	886942					3						
1004	886943								1			
1005	886944											
1006	886945											
1007	886946											
1008	886947											
1009	886948					1						
1010	886949							1	2			
1011	886950											
1012	887451											
1013	887452							1				
1014	887453											
1015	887454											
1016	887455											
1017	887456											
1018	887457											
1019	887458											
1020	887459					1						
1021	887460											
1022	887461											
1023	887462								1			
1024	887463							2				
1025	887464								1			
1026	887465											
1027	887466											
1028	887467			1		1		1	1			
1029	887468											
1030	887469											
1031	887470											
1032	887471								1			
1033	887472					1		4	2			
1034	887473							1				
1035	887474					1						
1036	887475											
1037	887476					2		3				
1038	887477							2				
1039	887478											
1040	887479								1			
1041	887480											
1042	887481											
1043	887482											
1044	887483	1				7			1			
1045	887484	1									1	
1046	887485											
1047	887486					3		1				
1048	887487					1			1			
1049	887488											
1050	887489											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
1051	887490							1				
1052	887491					1		2				
1053	887492					1						
1054	887493											
1055	887494								1			
1056	887495					2		3	1			
1057	887496					1		2				
1058	887497											
1059	887498											
1060	887499								1			
1061	887500											
1062	887597							1	1			
1063	887863			1		1		1				
1064	887864					1						
1065	887865											
1066	887866		1?			1		1	1			
1067	887867					1						
1068	887868							1				
1069	887869											
1070	887870					2		3				
1071	887871							1				
1072	887872											
1073	887873											
1074	887874											
1075	887875							1				
1076	887876											
1077	887877											
1078	887878			1								
1079	887879											
1080	887880											
1081	887881											
1082	887882											
1083	887883											
1084	887884											
1085	887885				1							
1086	887886											
1087	887887											
1088	887888											
1089	887889											
1090	887890											
1091	887891											
1092	887892											
1093	887893	1										
1094	887894											
1095	887895											
1096	887896							1				
1097	887897											
1098	887898											
1099	887899											
1100	887900					1						

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
1101	887951											
1102	887952											
1103	887953											
1104	887954											
1105	887955											
1106	887956							2				
1107	887958											
1108	887959											
1109	887960							1				
1110	887961							3	1			
1111	887962											
1112	887963							1				
1113	887964							2				
1114	887965					1						
1115	887966											
1116	887967					1						
1117	887968							1				
1118	887969					1						
1119	887970											
1120	887971					1						
1121	887972								1			
1122	887973						1					
1123	887974											
1124	887975											
1125	887976											
1126	887977											
1127	887978											
1128	887979											
1129	887980											
1130	887981					1		1				
1131	887982											
1132	887983											
1133	887984							1				
1134	887985								1			
1135	887986							1				
1136	887987											
1137	887988					1						
1138	887989					1			2			
1139	887990							6				
1140	887991							1				
1141	887992											
1142	887993							1				
1143	887994							3				
1144	887995							1				
1145	887996							1				
1146	887997							1				
1147	887998					1		1				
1148	887999											
1149	888000											
1150	888051											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
1151	888052											
1152	888053								2			
1153	888054											
1154	888055											
1155	888056											
1156	888057					2		1				
1157	888058											
1158	888059											
1159	888060											
1160	888061											
1161	888062											
1162	888063							1				
1163	888064											
1164	888065								1			
1165	888066											
1166	888067							2	1			
1167	888068							2	1			
1168	888069								1			
1169	888070											
1170	888071					2		1	2			
1171	888072							1				
1172	888073											
1173	888074					2		5	2			
1174	888075											
1175	888076											
1176	888077					1		1				
1177	888078											
1178	888079							1				
1179	888080											
1180	888081					1		1				
1181	888082											
1182	888083					1						
1183	888084							1				
1184	888085							1				
1185	888086											
1186	888087								1			
1187	888088								1			
1188	888089											
1189	888090							1				
1190	888091							3	1			
1191	888092							2	1			
1192	888093							1	1			
1193	888094							1				
1194	888095											
1195	888096					1						
1196	888097											
1197	888098											
1198	888099											
1199	888100	1										
1200	890909											

Total Count	Sample Number	PY	Ecl Gt	CD	Low Cr Px	Picro Ilm	Confirmed Cr2O3 >60%	40-60%	20-40%	<20%	Olv	Other
1201	KD5714											
1202	KD5715											
1203	KD5716											
1204	KD5717					1			1			
1205	KD5718							1				
1206	KD5719				1							
1207	KD5720				1				1			
1208	KD5721											
1209	KD5722				2			1				
1210	KD5723								1			
1211	KD5724											
1212	KD5727											
1213	KD5728											

ANNEX 7

Interpretation by Bruce Craig Jago
of Electron Microprobe Analyses by Ingrid Kjarsgaard
for Mineral Grains Selected by HDM Laboratories Inc.

Jackson Inlet Project - 2004

Brodeur Peninsula, Baffin Island, Nunavut

ELECTRON MICROPROBE ANALYSIS AND INTERPRETATION OF KIMBERLITE INDICATOR MINERALS FROM YEAR 2004 TILL SAMPLING BY TWIN MINING CORPORATION: JACKSON INLET CLAIMS, BRODEUR PENINSULA, BAFFIN ISLAND, NUNAVUT

Bruce Craig Jago, Ph.D., P. Geo.
March 16, 2006

Twin Mining – 2004 Till Sampling Program: Interpretation of Electron Microprobe Analysis of Kimberlite Indicator Minerals

Garnet

The garnet population (Figure 1) is dominated by Cr-pyrope having a lherzolitic (G9) parentage (Dawson and Stephens 1975, Gurney 1985). A single garnet plots well inside Sobolev's (1973) field of harzburgitic (G10) garnet above the graphite/diamond constraint of Grutter et al. (2003) and a single garnet is interpreted as a Ti-rich, pyrope megacryst. MnO contents (Figure 2) of Cr-pyrope garnets (>2 wt. % Cr_2O_3) indicates that a large proportion (~45%) of grains could have been derived from the diamond stability under conditions of a 40 mW/m^2 geothermal gradient (Grutter et al 1999); the effect of a higher geothermal gradient on this proportion is not known.

The three garnets interpreted as having an eclogitic parentage (Figure 3) have low sodium contents (< 0.07 wt. % Na_2O) and accordingly are classified as graphite-facies, Group 2 eclogitic garnets (McCandless and Gurney 1989, Schulze 1997, Grutter and Quadling 1999).

Olivine

A single olivine grain was recovered from till concentrates. The grain is interpreted as having a mantle parentage (Rudnick et al. 1994) on the basis of a high Forsterite content (Fo=89.9; Ni=2770 ppm) and the apparent lack of alternative crustal sources (layered intrusives, picrite, komatiite) of olivine within the project area (Figures 4 and 5).

Spinel

A single Cr-spinel grain plots (Figure 6) within the compositional field of chromite inclusions/intergrowths with diamond (Fipke et al. 1995). A large proportion (~ 35%) of grains plot within Fipke's (1994) compositional field of spinels unique to kimberlite and lamproite. Approximately half of the Cr-spinel population plots within Fipke's (1994) "Compositional Over-lap Field" whereas a much smaller proportion (~15%), plots in the "Non lamproitic, Non-kimberlitic" compositional field (Figure 7).

Ilmenite

The majority of ilmenite grains recovered from till concentrates are interpreted as having a mantle parentage (i.e. > 4 wt. % MgO) and have a megacrystic or xenocrystic origin (Figure 8). Some magnesium loss, perhaps during weathering, is indicated by ilmenite grains with MgO contents typical of crustal ilmenite (< 4 wt. % MgO) but with Cr_2O_3 concentrations (>0.5 wt. %) that far exceed the levels

normally associated with crustal ilmenite. The diamond preservation potential, as assessed by Senn's (2000) Al_2O_3 vs. MgO plot, ranges from Low to High with a bias toward "Low to Moderate Diamond Preservation" (Figure 9). A similar distribution is indicated by a plot of Fe_2O_3 vs. MgO (not shown).

Clinopyroxene

The clinopyroxene population is dominated by grains interpreted (Figure 10) as having a megacrystic paragenesis as there is no mineralogical evidence for significant eclogitic source rocks or alternative crustal sources that have low Cr_2O_3 contents. Smaller subsets are interpreted as xenocrysts derived from garnet- and spinel-lherzolite (Ramsay and Tompkins 1994).

Temperatures and pressures of equilibration have been calculated for clinopyroxene grains derived from garnet-lherzolite using the formulation developed by Nimis and Taylor (2000). The grains roughly define a pressure/temperature array corresponding to a 47 mW/m^2 (Figure 11) conductive geotherm (Pollack and Chapman 1977) that is rooted just inside the diamond stability field (Kennedy and Kennedy 1976).

References

Dawson, J. B. and Stephens, W. E. (1975) Statistical classification of garnets from kimberlite and associated xenoliths. Jr. Geology, Vol. 83, 1975.

Fipke, C. E., Moore, R. O. and Gurney, J. (1995) Diamond exploration techniques emphasising indicator mineral geochemistry and Canadian examples. Geological Survey of Canada Bulletin 432, p. 86.

Grutter, H., Gurney, J. and Nowicki, T. (2003) Advanced indicator mineral chemistry techniques in diamond exploration. In Indicator mineral methods in mineral exploration. Proceedings of a short course presented by: Prospectors and Developers Association of Canda. March 8, 2003, Metro Toronto Convention Centre, Toronto, Ontario

Grutter, H. S. and Quadling, K.E. (1999) Can sodium in garnet be used to monitor eclogitic diamond potential? Proceedings VII International Kimberlite Conference, Vol. 1. 314-320.

Grutter, H. S., Apter, D. B. and Kong, J. (1999) Crust-manlte coupling: Evidence from mantle-derived xenocrystic garnets? Proceedings VII International Kimberlite Conference, Vol. 1. 307-313.

Gurney, J. (1985) A correlation between garnets and diamond. In Kimberlite occurrence and Origin: A basis for conceptual models in exploration. Edited by J. E. Glover and P. G. Harris. University of Western Australia Publication 8, 376-388 (revised from 1984)

Kennedy, C. S. and Kennedy, G. C. (1976) The equilibrium boundary between graphite and diamond. Journal Geophysical Research, Vol. 81, 2467-2470.

McCandless, T. E. and Gurney, J. J. (1989) Sodium in garne and potassium in clinopyroxene: Criteria for classifying mantle eclogites. In Kimberlites and Related Rocks. Vol. 2. Their Mantle/Crust Setting, Diamonds and Diamond Exploration. Edited by J. Ross. Blackwell, Carlton, Australia, 827-832.

Nimis, P. and Taylor, W. R. (2000) Single clinopyroxene thermobarometry for garnet peridotites. Part I. Calibration and testing of a Cr-in-Cpx barometer and an estatitie-in-Cpx thermometer. Contributions Mineralogy Petrology, Vol. 139, 541-554.

Pollack, H. N. and Chapman, D. S. (1977) On the regional variation of heat flow, geotherms and lithospheric thickness. Tectonophysics, Vo.l. 38, 279-296.

Ramsay, R. R. and Tompkins, L. A. (1994) The geology, heavy mineral concentrate mineralogy and diamond prospectivity of the Boa Esperança and

Cana Verde pipes, Córrego D'Anta, Minas Gerais, Brazil. Proceedings of the Fifth International Kimberlite Conference, Araxa, Brazil 1991. Volume 2 Diamonds: Characterization, Genesis and Exploration. Editors, H. O. A. Meyer and O. H. Leonardos. 329-345/

Rudnick, R. L., McDonough, W. F. and Orpin, A. (1994) Northern Tanzanian peridotite xenoliths: A comparison with Kaapvaal peridotites and inferences on metasomatic interactions. Proceedings of the Fifth International Kimberlite Conference, Araxa, Brazil 1991. Volume 1 Kimberlites, related rocks and mantle xenoliths. Editors, H. O. A. Meyer and O. H. Leonardos. 336-353

Senn (2000) Personal communication.

Schulze, D. J. (1997) The significance of elcogite and Cr-poor megacryst garnets in diamond exploration. Explor. Mining Geol. Vol. 6, 349-366.

Sobolev, N. V. (1973) Chrome-rich garnets from kimberlites of Yakutia and their paragenesis. Contributions Mineralogy Petrology, Vol. 40, 39-52.

Statement of Qualifications

1. I, Bruce Craig Jago, do hereby certify that:

2. I reside at 2141 Lorraine Drive, Peterborough, Ontario, K9L 1W4.

3. I am a graduate of Lakehead University (H.B.Sc. Geology 1980 & M.Sc. Geology 1982) and University of Toronto (Ph.D. Geology 1991).

4. I am a registered Professional Geologist (#0370) with the Association of Professional Geoscientists of Ontario.

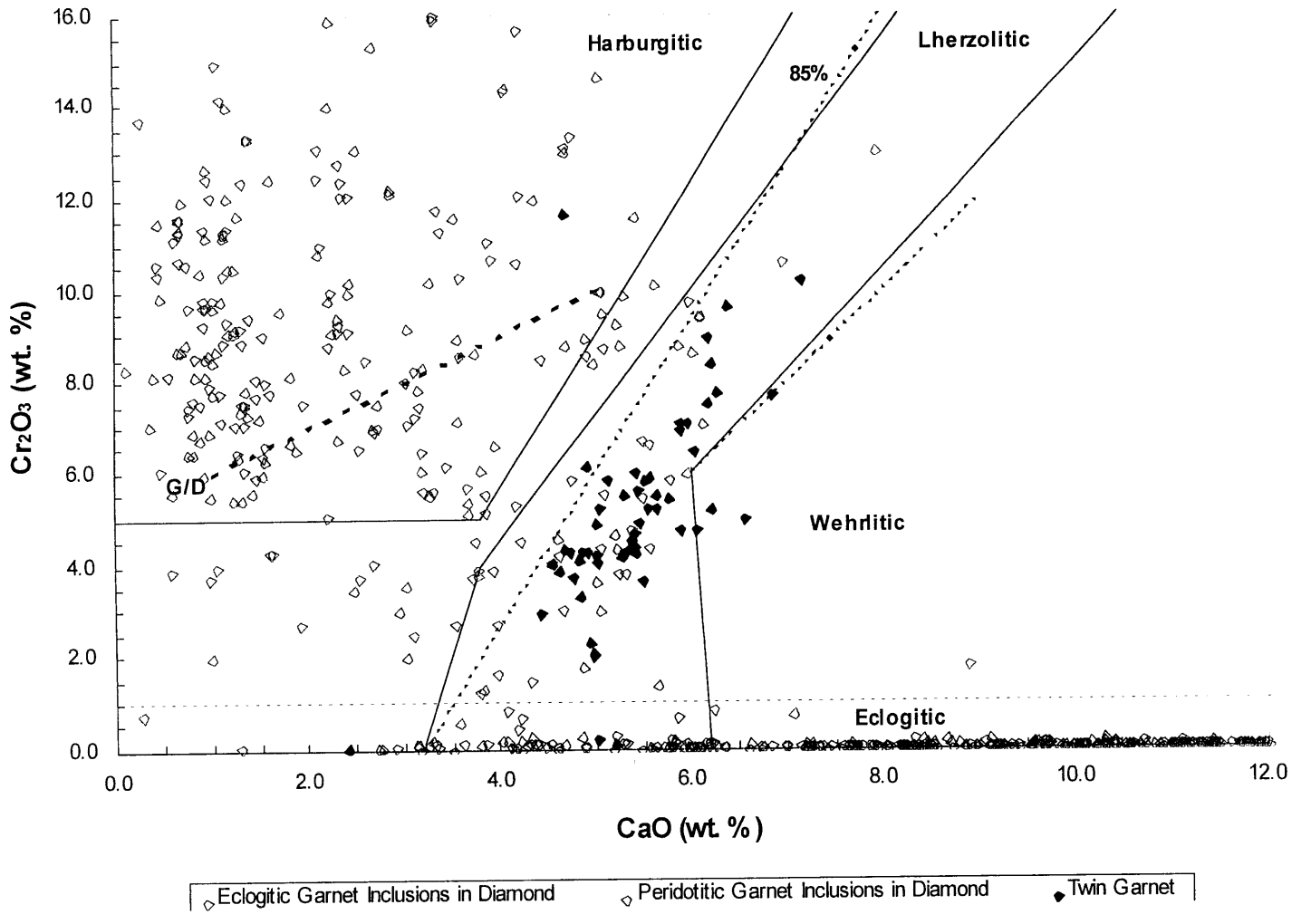
5. I am a Sole Proprietor of the business JAGO GEOLOGICAL (same address as above).

6. I am a Qualified Person for the purposes of National Instrument 43-101 and with respect to the subject matter of this report based on my knowledge of diamond exploration.

7. I am the author of this report.

Bruce Craig Jago, Ph.D., P. Geo.
March 16, 2006

Figure 1: Twin Mining - Fall 2004 Till Sampling Program



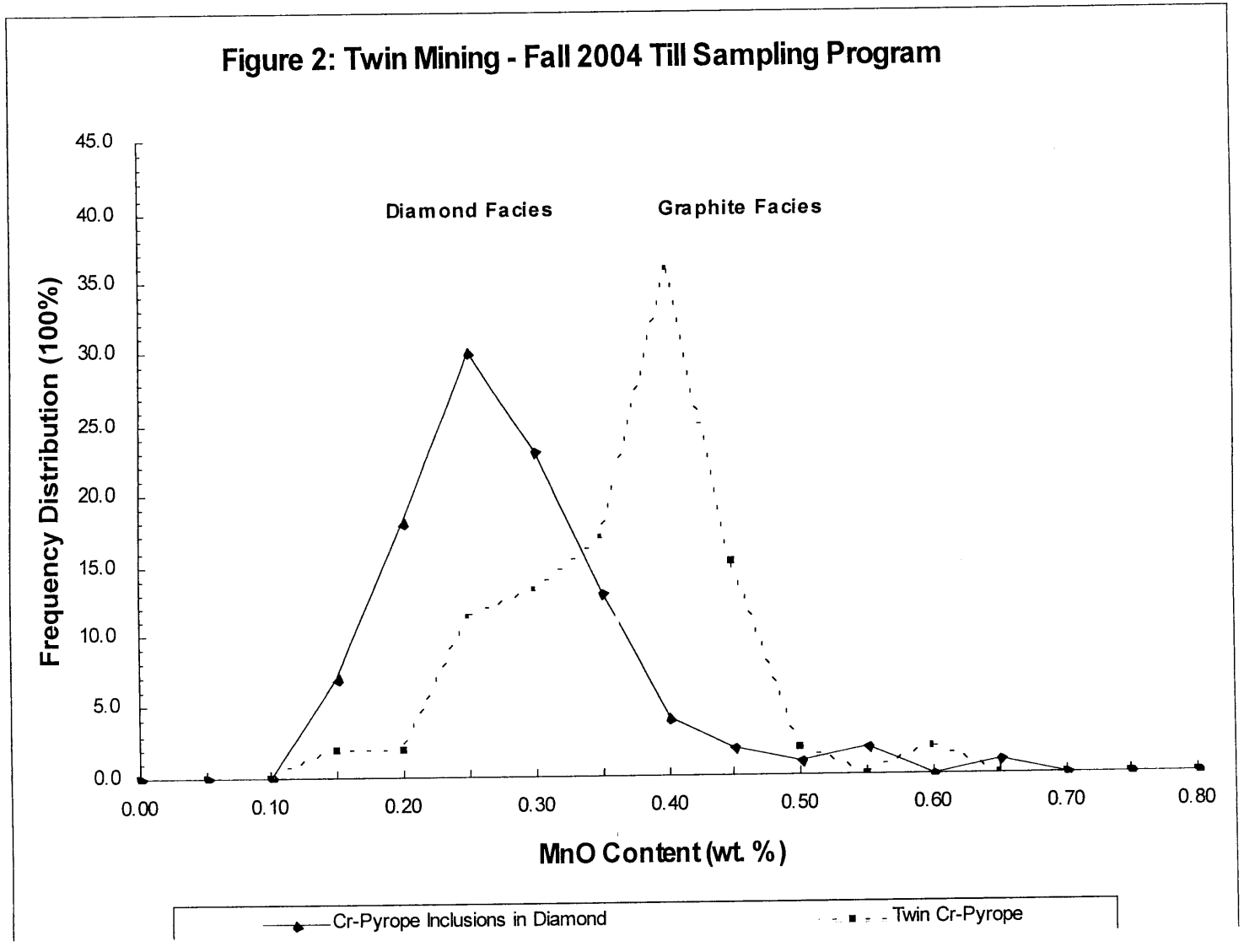
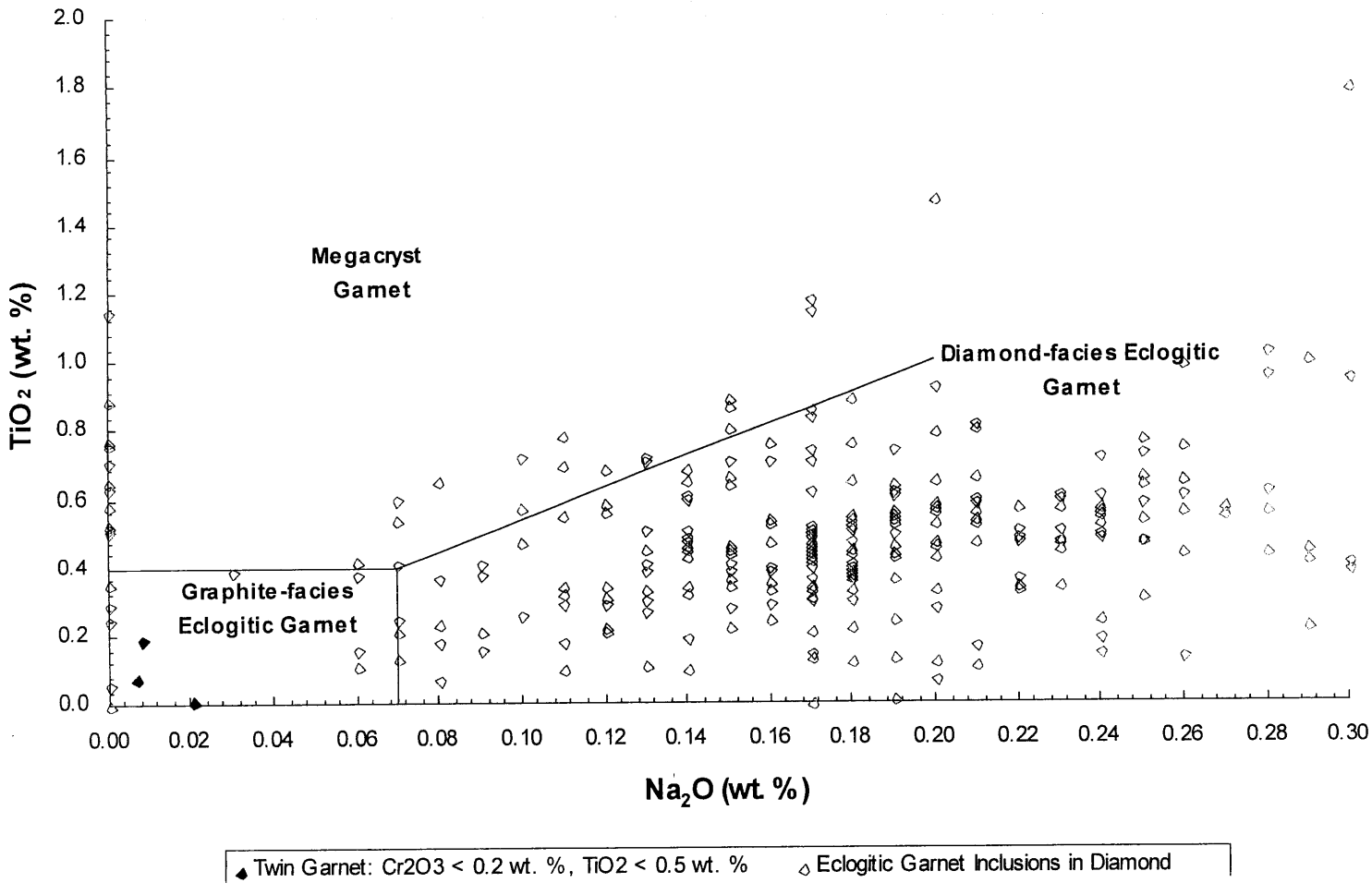


Figure 2: Twin Mining - Fall 2004 Till Sampling Program
Diamond Facies
Graphite Facies
Frequency Distribution (100%)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
0.00
0.10
0.20
0.30
0.40
0.50
0.60
0.70
0.80
MnO Content (wt. %)
Cr-Pyrope Inclusions in Diamond
Twin Cr-Pyrope

Figure 3: Twin Mining - Fall 2004 Till Sampling Program



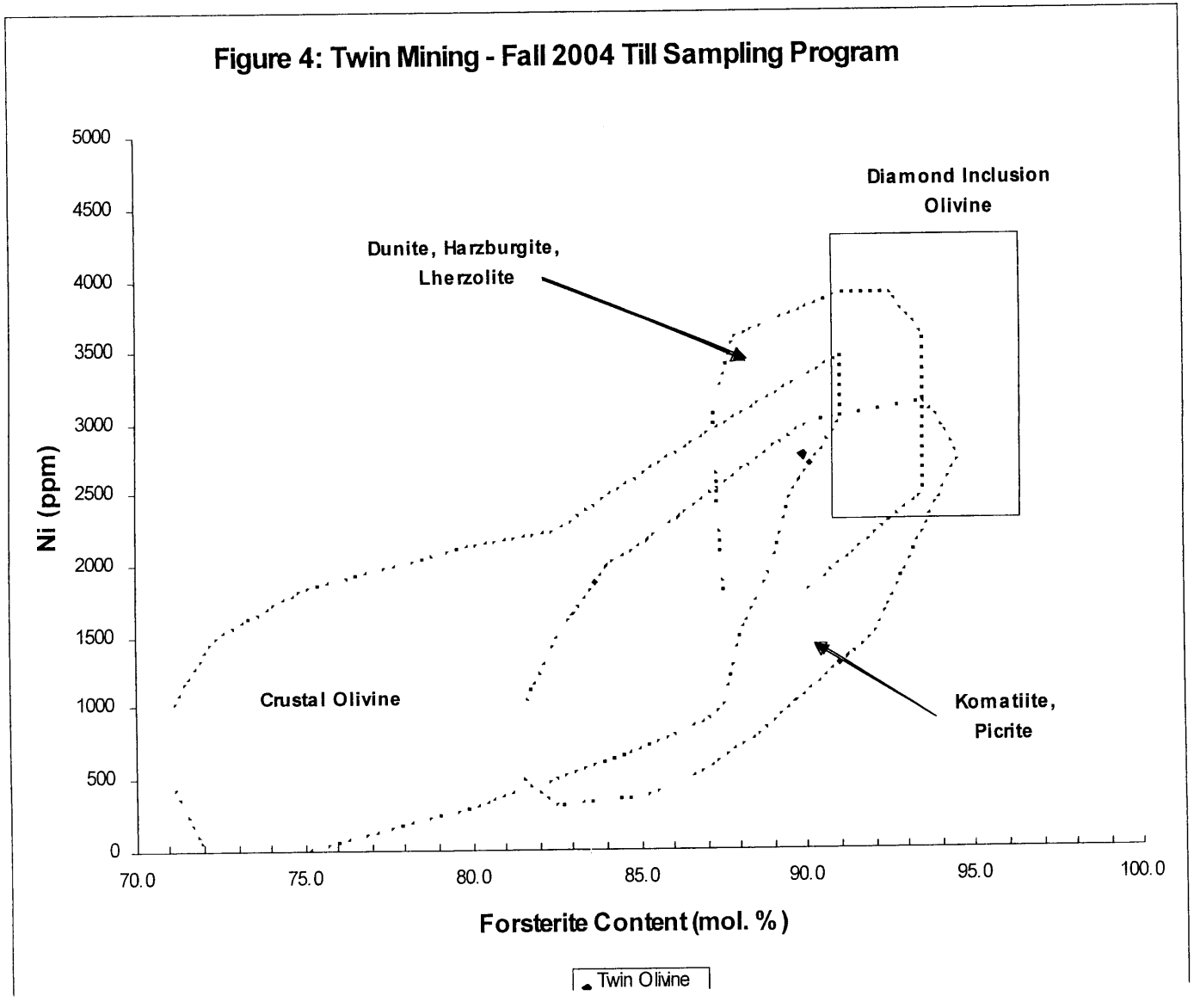
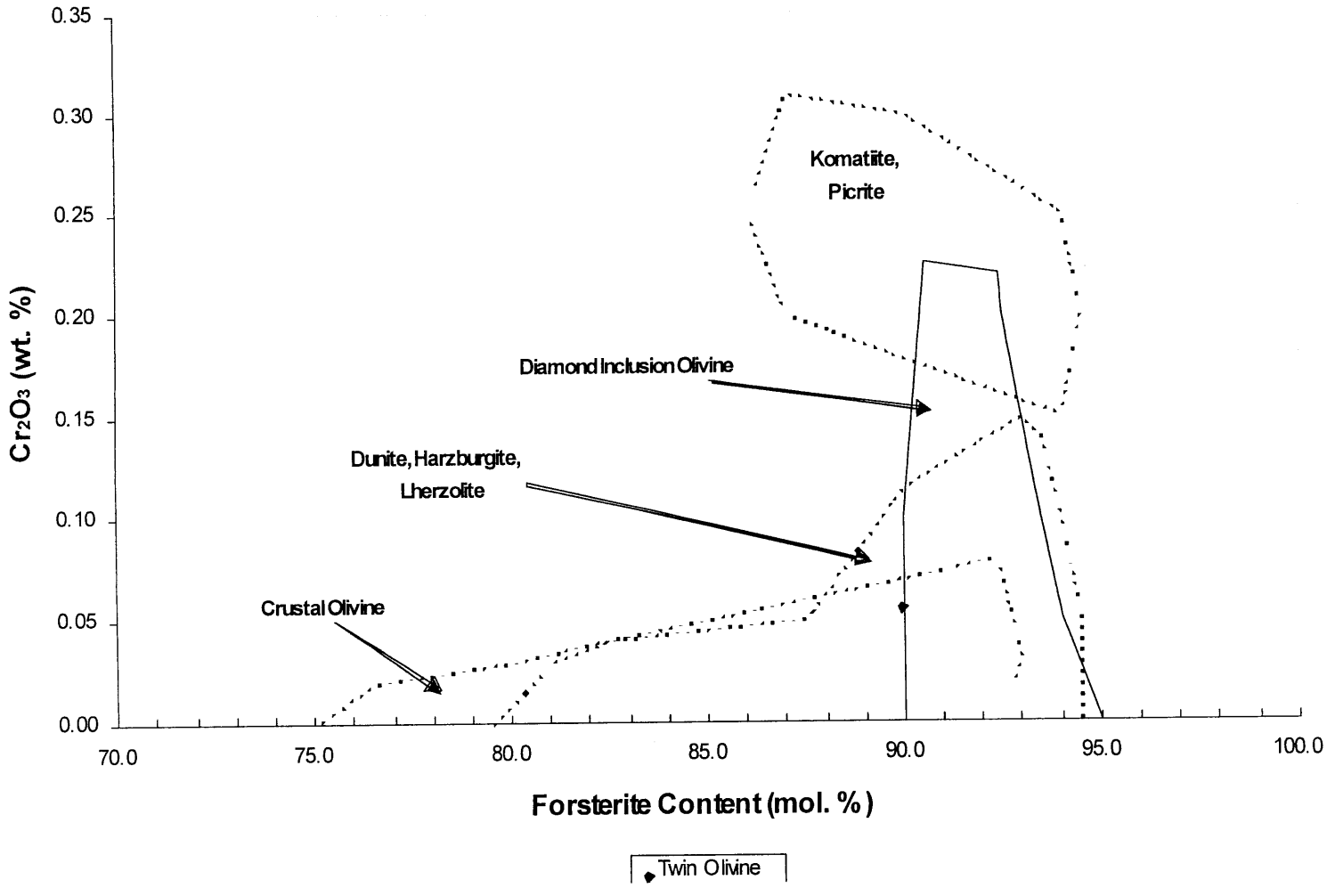


Figure 4: Twin Mining - Fall 2004 Till Sampling Program
Ni (ppm)
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
70.0
75.0
80.0
85.0
90.0
95.0
100.0
Forsterite Content (mol. %)
Diamond Inclusion Olivine
Dunite, Harzburgite, Lherzolite
Crustal Olivine
Komatiite, Picrite
Twin Olivine

Figure 5: Twin Mining - Fall 2004 Till Sampling Program



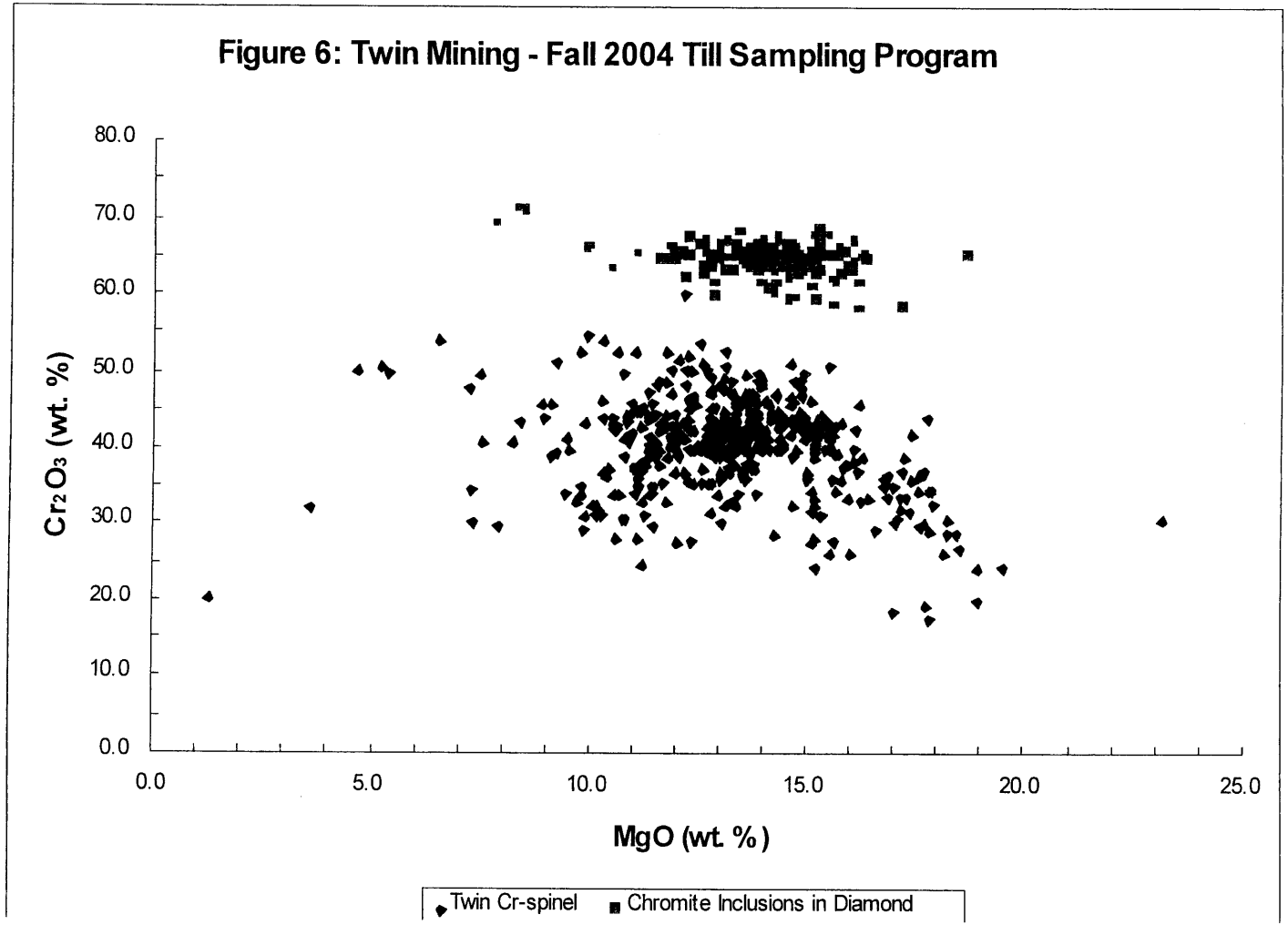
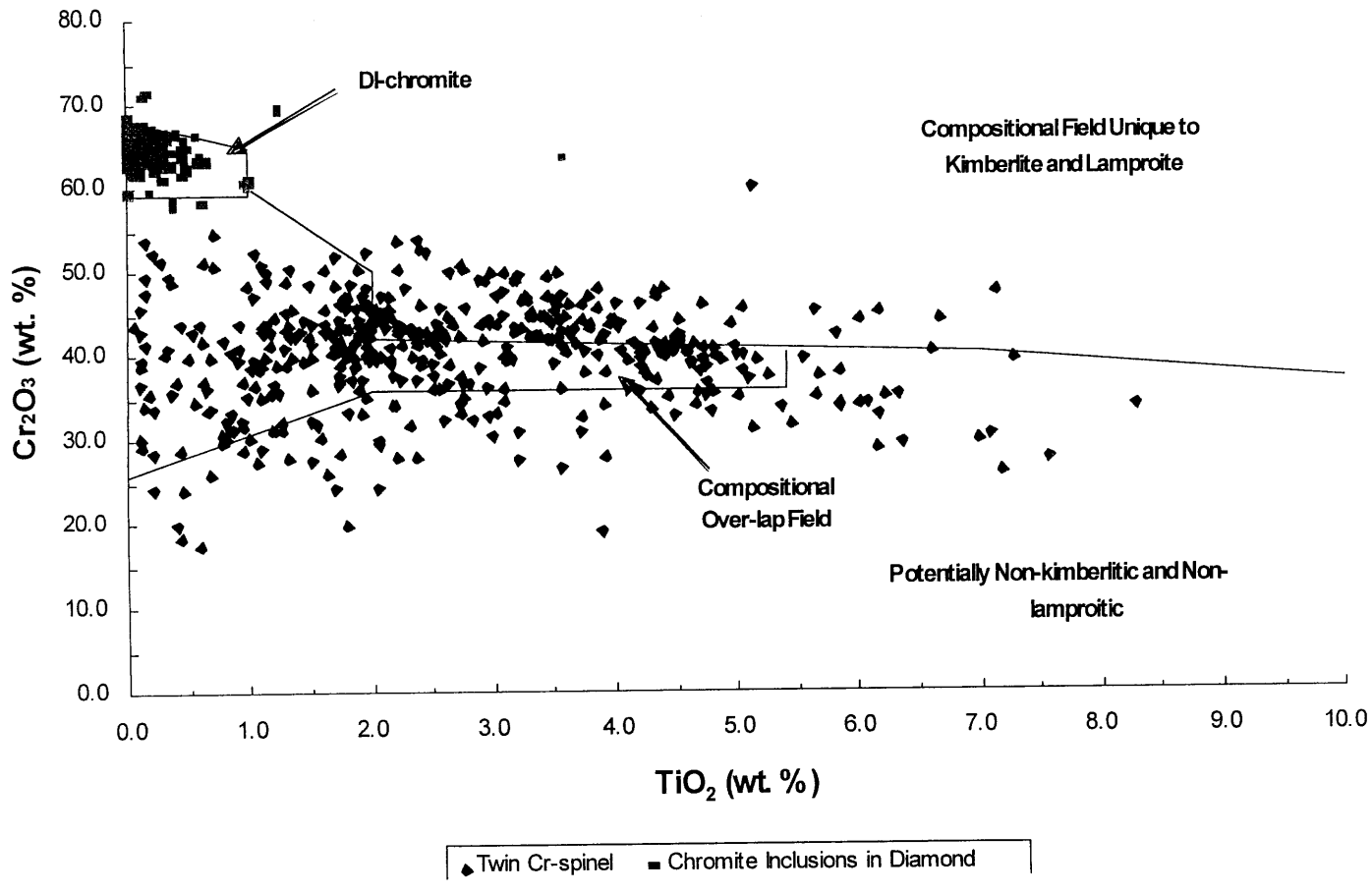


Figure 6: Twin Mining - Fall 2004 Till Sampling Program
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Cr2O3 (wt. %)
0.0
5.0
10.0
15.0
20.0
25.0
MgO (wt. %)
Twin Cr-spinel
Chromite Inclusions in Diamond

Figure 7: Twin Mining: Fall 2004 Till Sampling Program



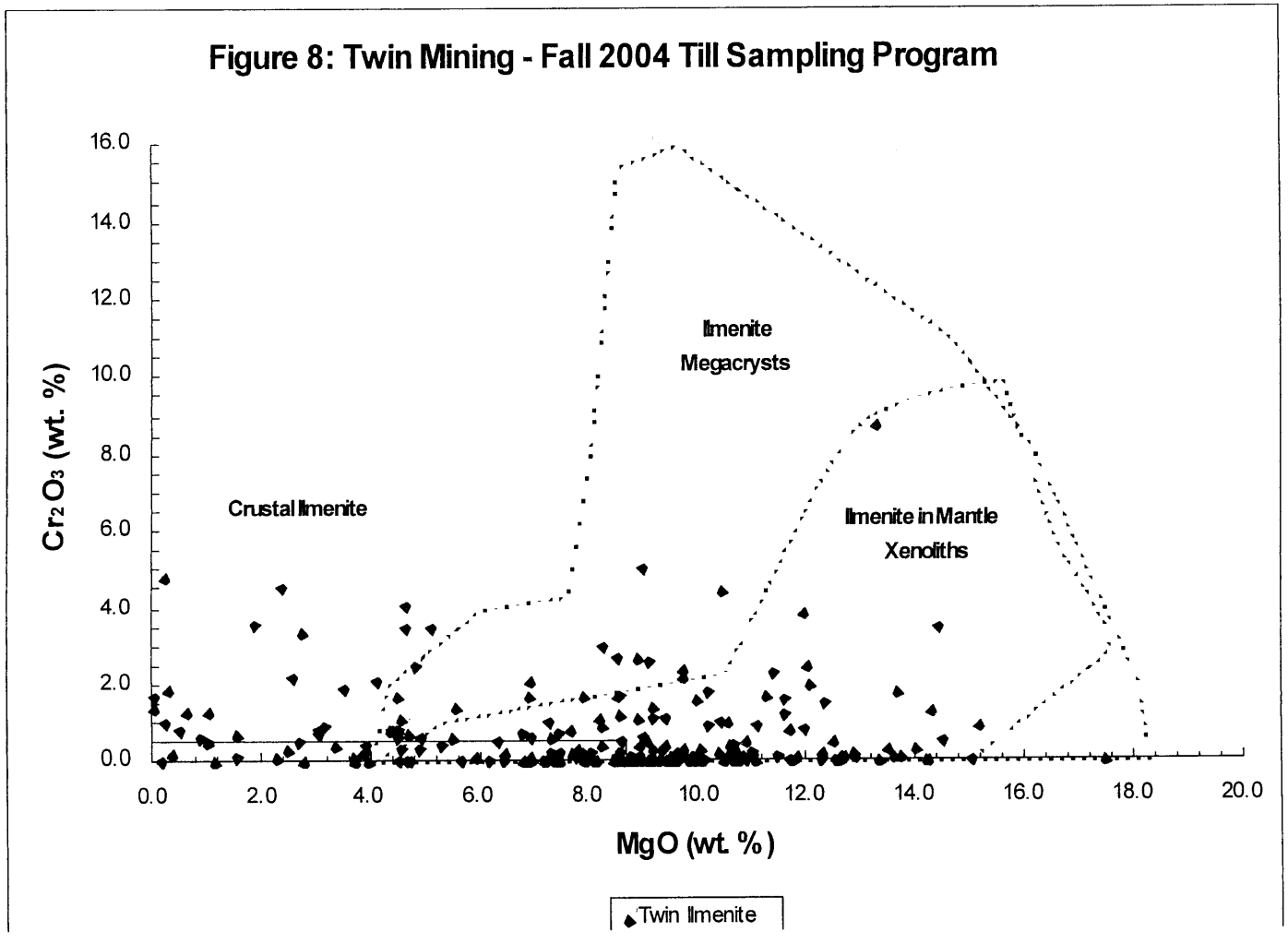


Figure 8: Twin Mining - Fall 2004 Till Sampling Program
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
Cr2O3 (wt. %)
Crustal Ilmenite
Ilmenite Megacrysts
Ilmenite in Mantle Xenoliths
0.0
2.0
4.0
6.0
8.0
10.0
12.0
14.0
16.0
18.0
20.0
MgO (wt. %)
Twin Ilmenite

Figure 9: Twin Mining - Fall 2004 Till Sampling Program

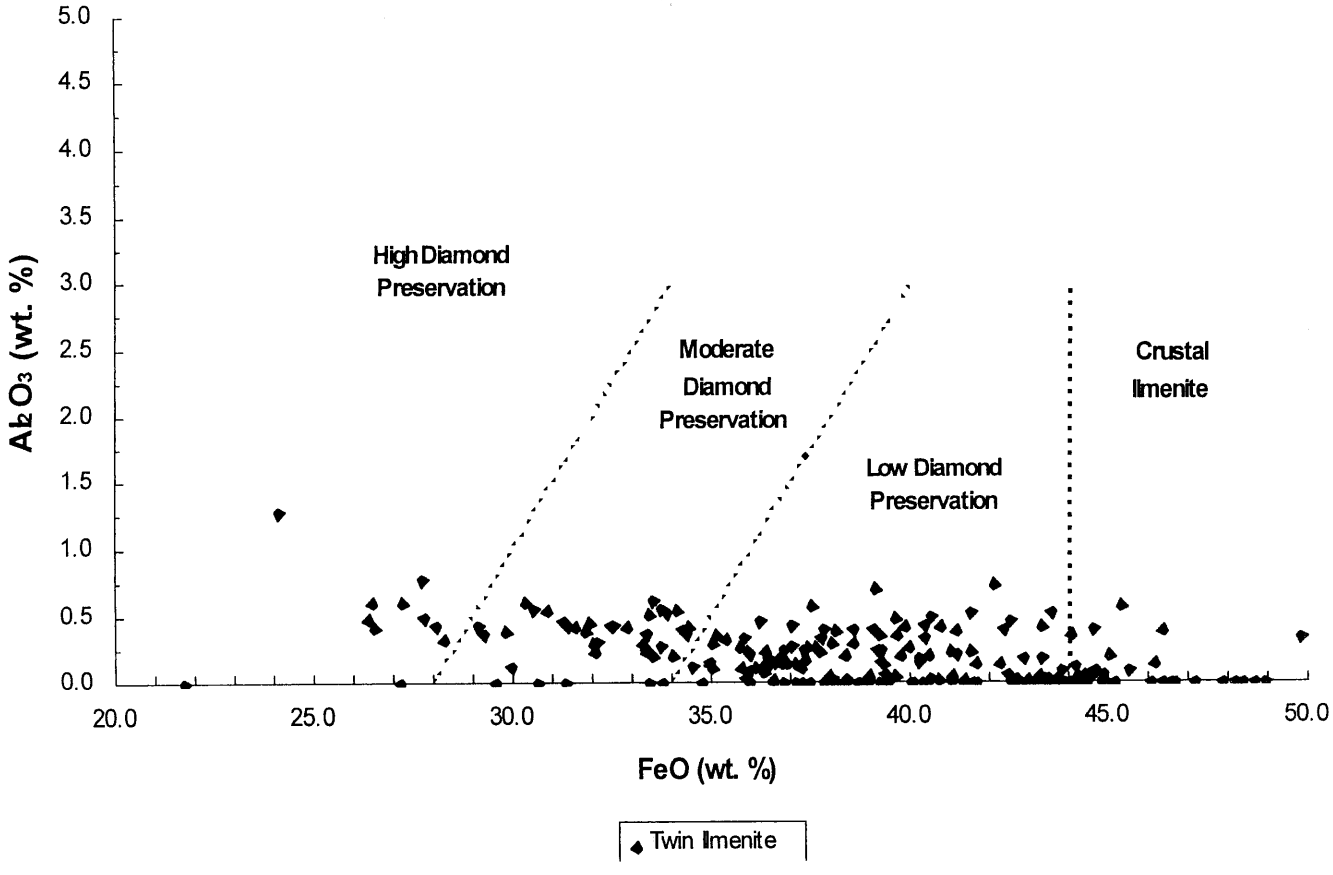
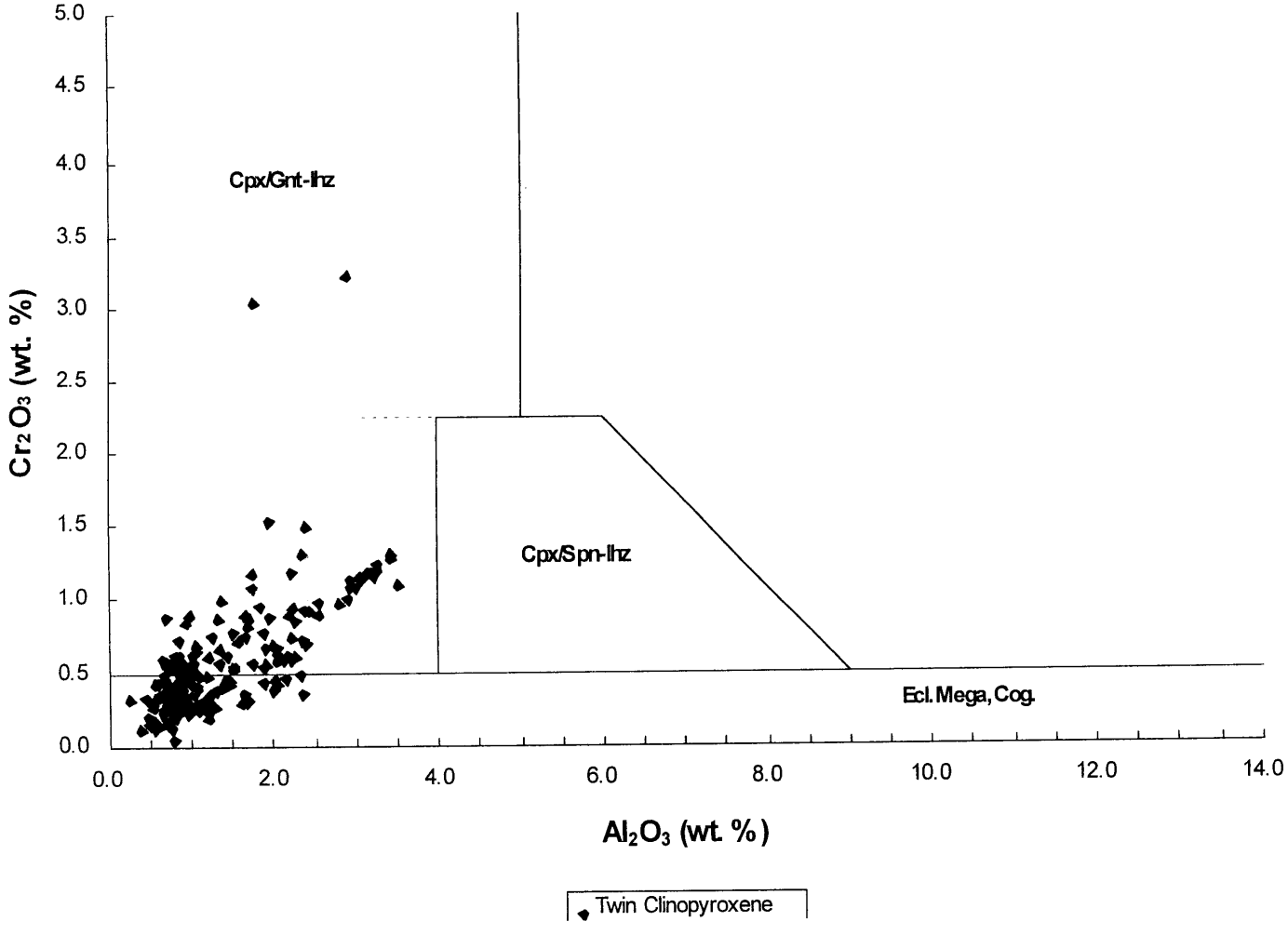


Figure 10: Twin Mining - Fall 2004 Till Sampling Program



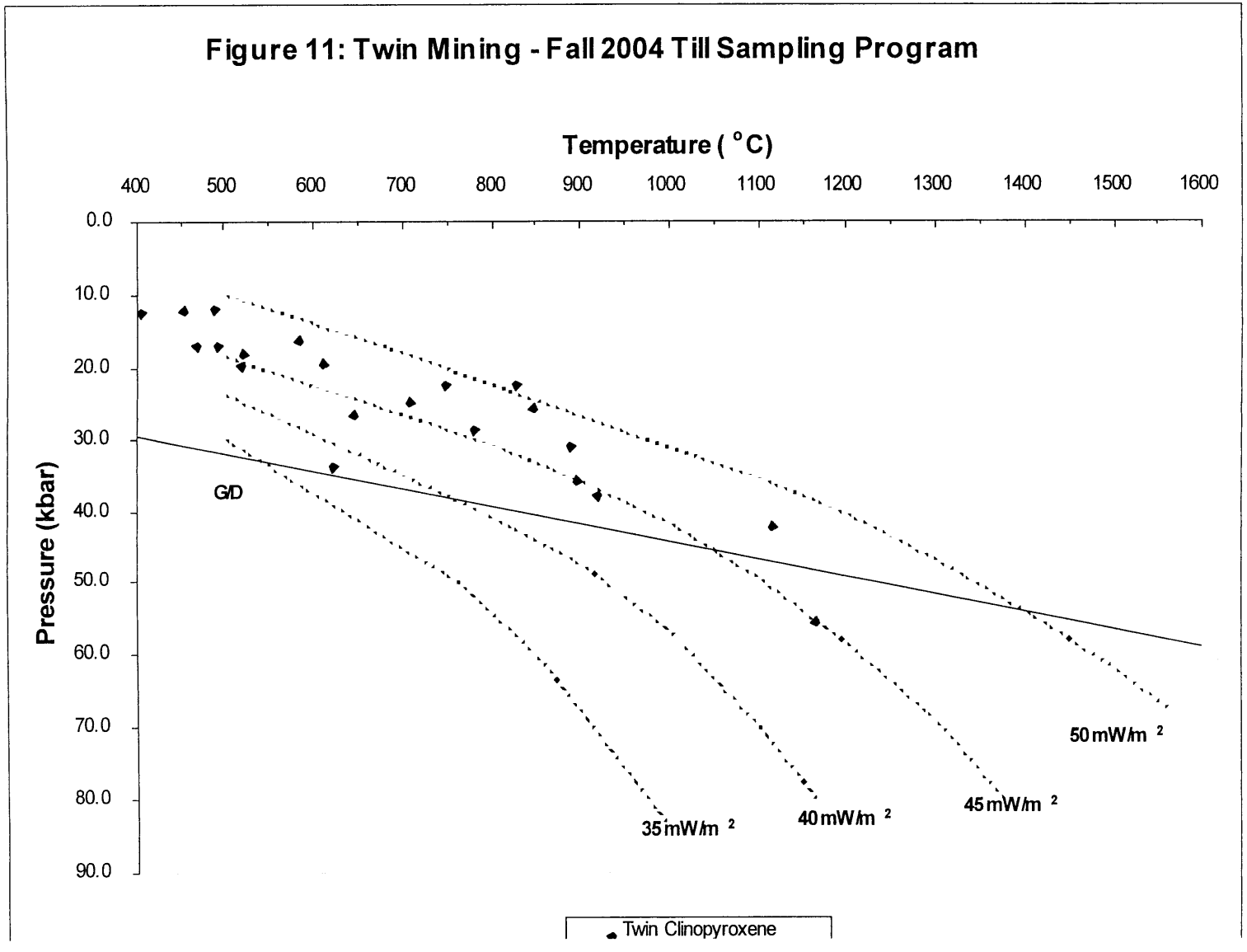


Figure 11: Twin Mining - Fall 2004 Till Sampling Program
Temperature (°C)
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
Pressure (kbar)
0.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
G/D
35 mW/m 2
40 mW/m 2
45 mW/m 2
50 mW/m 2
Twin Clinopyroxene

Pt.	HDM Description	HDM Grain #	Labelled As	Twin Sample #	Twin Grain #	Mineral ID	Nb2O5	SiO2	TiO2	Al2O3	Cr2O3	V2O3	FeO	MnO	ZnO	NiO	MgO	CaO	BaO	Na2O	K2O	Total
n.a.	n.a.	1	n.a.	7422	1	Cr-Pyrope	n.a.	41.97	0.32	21.72	2.97	n.a.	8.02	0.42	n.a.	0.00	20.67	4.41	0.00	0.03	0.00	100.53
n.a.	n.a.	2	n.a.	7422	2	Cr-Pyrope	n.a.	42.16	0.28	22.27	2.31	n.a.	7.34	0.33	n.a.	0.02	21.31	4.93	0.03	0.03	0.00	101.00
n.a.	n.a.	3	n.a.	7422	3	Cr-diopside	n.a.	53.24	0.25	1.73	1.18	n.a.	4.02	0.12	n.a.	0.08	18.66	20.16	0.00	0.18	0.00	99.63
n.a.	n.a.	4	n.a.	8122	1	Cr-diopside	n.a.	54.79	0.19	1.47	0.78	n.a.	2.84	0.07	n.a.	0.00	16.61	21.68	0.00	1.30	0.03	99.77
n.a.	n.a.	5	n.a.	8122	2	*Zircon*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	6	n.a.	8122	3	Zircon	n.a.	37.37	0.00	0.01	0.02	n.a.	0.00	0.03	n.a.	0.00	0.01	0.01	0.04	0.00	0.01	37.48
n.a.	n.a.	5	n.a.	8140	1	Cr-diopside	n.a.	54.66	0.03	1.75	3.04	n.a.	2.25	0.11	n.a.	0.02	16.34	19.23	0.02	2.26	0.04	99.74
n.a.	n.a.	6	n.a.	8140	2	Cr-Pyrope	n.a.	40.93	0.28	17.09	8.96	n.a.	6.59	0.35	n.a.	0.08	19.72	6.17	0.00	0.05	0.02	100.24
n.a.	HDM2005-8 #1	1	chromite	90597	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
10	HDM2005-8 #2	2	chromite	90605	1	Mg-ilmenite	0.13	n.a.	53.13	0.37	0.50	0.06	29.24	0.25	0.16	n.a.	13.47	0.03	n.a.	n.a.	n.a.	97.31
11	HDM2005-8 #3	3	chromite	90639	1	chromite	0.00	n.a.	1.27	21.28	41.20	0.16	21.49	0.18	0.06	n.a.	13.98	0.00	n.a.	n.a.	n.a.	99.62
12	HDM2005-8 #4	4	chromite	90655	1	chromite	0.00	n.a.	3.53	7.70	44.19	0.08	31.98	0.30	0.17	n.a.	11.46	0.01	n.a.	n.a.	n.a.	99.40
13	HDM2005-8 #5	5	chromite	90686	1	chromite	0.07	n.a.	2.16	20.28	34.27	0.15	27.99	0.28	0.00	n.a.	13.79	0.00	n.a.	n.a.	n.a.	98.99
14	HDM2005-8 #6	6	chromite	90759	1	chromite	0.00	n.a.	1.12	17.51	50.30	0.12	16.86	0.14	0.00	n.a.	12.63	0.01	n.a.	n.a.	n.a.	98.68
15	HDM2005-8 #7	7	chromite	90773	2	Cr-spinel	0.03	n.a.	0.13	27.27	41.76	0.22	13.34	0.13	0.16	n.a.	17.37	0.01	n.a.	n.a.	n.a.	100.40
16	HDM2005-8 #8	8	chromite	90774	1	Mg-ilmenite	0.00	n.a.	48.85	0.26	0.86	0.00	35.66	0.37	0.00	n.a.	10.55	0.02	n.a.	n.a.	n.a.	96.54
19	HDM2005-8 #9	9	chromite	90774	2	chromite	0.00	n.a.	4.47	7.73	33.12	0.07	41.95	0.50	0.04	n.a.	9.67	0.01	n.a.	n.a.	n.a.	97.56
n.a.	HDM2005-8 #1	10	chromite	90784	3	Hematite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
20	HDM2005-8 #1	11	chromite	90834	1	chromite	0.00	n.a.	1.86	16.21	39.11	0.14	27.92	0.33	0.11	n.a.	12.97	0.01	n.a.	n.a.	n.a.	98.64
21	HDM2005-8 #1	12	chromite	90834	2	chromite	0.00	n.a.	4.18	10.68	41.31	0.15	29.69	0.20	0.15	n.a.	12.16	0.00	n.a.	n.a.	n.a.	98.52
22	HDM2005-8 #1	13	chromite	90834	3	chromite	0.00	n.a.	2.87	14.28	38.83	0.12	30.47	0.31	0.16	n.a.	11.79	0.00	n.a.	n.a.	n.a.	98.84
23	HDM2005-8 #1	14	chromite	90834	4	chromite	0.00	n.a.	1.78	13.08	46.05	0.10	24.54	0.21	0.12	n.a.	13.46	0.03	n.a.	n.a.	n.a.	99.35
n.a.	HDM2005-8 #1	15	chromite	90835	1	Ilmenite (altered)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
24	HDM2005-8 #1	16	chromite	90838	1	Cr-spinel	0.02	n.a.	2.58	22.11	32.60	0.16	27.89	0.28	0.06	n.a.	13.37	0.00	n.a.	n.a.	n.a.	99.07
25	HDM2005-8 #1	17	chromite	90842	2	chromite	0.00	n.a.	4.42	8.70	35.17	0.06	38.06	0.38	0.04	n.a.	11.08	0.00	n.a.	n.a.	n.a.	97.90
26	HDM2005-8 #1	18	chromite	90846	1	chromite	0.03	n.a.	1.80	16.42	43.30	0.08	22.19	0.16	0.14	n.a.	15.47	0.00	n.a.	n.a.	n.a.	99.59
27	HDM2005-8 #1	19	chromite	90846	2	chromite	0.06	n.a.	2.55	12.15	45.90	0.14	26.75	0.28	0.08	n.a.	11.38	0.02	n.a.	n.a.	n.a.	99.28
n.a.	HDM2005-8 #2	20	chromite	90848	3	Ilmenite (altered)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-8 #2	21	chromite	90857	2	Ilmenite (altered)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
28	HDM2005-8 #2	22	chromite	90868	1	chromite	0.01	n.a.	1.80	17.01	40.49	0.15	25.98	0.20	0.00	n.a.	13.31	0.00	n.a.	n.a.	n.a.	98.94
29	HDM2005-8 #2	23	chromite	90886	1	Mg-ilmenite	0.02	n.a.	51.84	0.10	0.70	0.04	34.96	0.30	0.08	n.a.	9.72	0.01	n.a.	n.a.	n.a.	97.76
n.a.	HDM2005-8 #2	24	chromite	90886	2	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
30	HDM2005-8 #2	25	chromite	90887	2	chromite	0.03	n.a.	3.05	9.56	45.10	0.23	29.65	0.29	0.03	n.a.	11.07	0.01	n.a.	n.a.	n.a.	99.00
31	HDM2005-8 #2	26	chromite	90889	1	Cr-spinel	0.09	n.a.	1.00	25.80	38.81	0.14	17.76	0.13	0.00	n.a.	16.26	0.00	n.a.	n.a.	n.a.	99.99
n.a.	HDM2005-8 #2	27	chromite	90893	1	Mn-(hydr-)oxide	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
32	HDM2005-8 #2	28	chromite	90895	1	chromite	0.00	n.a.	3.43	6.76	47.10	0.02	26.61	0.22	0.18	n.a.	14.85	0.00	n.a.	n.a.	n.a.	99.18
33	HDM2005-8 #2	29	chromite	90895	2	chromite	0.03	n.a.	1.78	16.12	39.91	0.06	27.11	0.25	0.19	n.a.	13.55	0.00	n.a.	n.a.	n.a.	99.00
34	HDM2005-8 #3	30	chromite	90912	1	chromite	0.03	n.a.	3.19	17.33	31.27	0.28	34.66	0.28	0.00	n.a.	11.23	0.00	n.a.	n.a.	n.a.	98.27
n.a.	HDM2005-8 #3	31	chromite	90912	2	Hematite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
35	HDM2005-8 #3	32	chromite	90915	1	chromite	0.00	n.a.	2.49	15.09	39.35	0.15	28.66	0.26	0.16	n.a.	12.77	0.00	n.a.	n.a.	n.a.	98.92
36	HDM2005-8 #3	33	chromite	90923	2	chromite	0.02	n.a.	4.96	9.25	41.27	0.20	32.18	0.27	0.08	n.a.	10.78	0.00	n.a.	n.a.	n.a.	99.02
37	HDM2005-8 #3	34	chromite	90926	1	Mg-ilmenite	0.32	n.a.	52.99	0.41	3.57	0.15	26.51	0.28	0.00	n.a.	14.40	0.03	n.a.	n.a.	n.a.	98.63
38	HDM2005-8 #3	35	chromite	90926	2	Mg-ilmenite	1.98	n.a.	55.64	0.00	0.00	0.00	21.69	2.23	0.02	n.a.	17.46	0.00	n.a.	n.a.	n.a.	99.04
39	HDM2005-8 #3	36	chromite	90930	3	Cr-spinel	0.00	n.a.	0.53	32.78	34.81	0.14	14.19	0.19	0.00	n.a.	17.84	0.01	n.a.	n.a.	n.a.	100.47
40	HDM2005-8 #3	37	chromite	90937	2	chromite	0.01	n.a.	2.59	16.16	42.03	0.21	25.04	0.22	0.06	n.a.	12.91	0.01	n.a.	n.a.	n.a.	99.22
41	HDM2005-8 #3	38	chromite	90937	3	Mg-ilmenite	0.51	n.a.	46.52	0.00	3.48	0.28	37.77	0.26	0.00	n.a.	8.56	0.03	n.a.	n.a.	n.a.	97.37
42	HDM2005-8 #3	39	chromite	90937	4	chromite	0.00	n.a.	2.13	16.23	45.81	0.09	18.64	0.29	0.14	n.a.	16.16	0.01	n.a.	n.a.	n.a.	99.47
43	HDM2005-8 #4	40	chromite	90938	1	chromite	0.00	n.a.	4.46	9.09	40.42	0.10	28.80	0.21	0.00	n.a.	15.13	0.01	n.a.	n.a.	n.a.	98.21
44	HDM2005-8 #4	41	chromite	90939	1	chromite	0.00	n.a.	3.54	7.26	47.32	0.07	26.93	0.25	0.00	n.a.	13.23	0.01	n.a.	n.a.	n.a.	98.60
45	HDM2005-8 #4	42	oxide	90942	1	Mg-ilmenite	0.24	n.a.	46.62	0.07	0.02	0.00	42.39	2.49	0.19	n.a.	5.27	0.03	n.a.	n.a.	n.a.	97.29
48	HDM2005-8 #4	43	chromite	90942	2	chromite	0.00	n.a.	1.92	11.94	46.16	0.15	23.50	0.21	0.12	n.a.	13.51	0.02	n.a.	n.a.	n.a.	97.52

49	HDM2005-8 #4	44	chromite	90949	1	chromite	0.03	n.a.	3.30	7.30	45.35	0.06	27.07	0.23	0.17	n.a.	13.64	0.01	n.a.	n.a.	n.a.	97.14
50	HDM2005-8 #4	45	ilmenite	90951	1	chromite	0.00	n.a.	1.90	19.63	36.19	0.20	26.25	0.24	0.00	n.a.	13.58	0.00	n.a.	n.a.	n.a.	97.99
51	HDM2005-8 #4	46	chromite	90951	2	Cr-spinel	0.05	n.a.	0.10	30.23	29.42	0.18	28.32	0.29	0.16	n.a.	9.83	0.00	n.a.	n.a.	n.a.	98.59
52	HDM2005-8 #4	47	oxide	90973	2	chromite	0.00	n.a.	4.39	8.13	40.06	0.07	31.03	0.28	0.05	n.a.	13.06	0.00	n.a.	n.a.	n.a.	97.07
53	HDM2005-8 #4	48	chromite	90976	3	chromite	0.04	n.a.	1.86	16.02	41.85	0.10	23.35	0.21	0.15	n.a.	14.61	0.00	n.a.	n.a.	n.a.	98.18
n.a.	HDM2005-8 #4	49	ilmenite	90977	2	Melanite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
54	HDM2005-8 #5	50	chromite	90979	2	chromite	0.08	n.a.	0.34	18.28	49.04	0.11	15.23	0.17	0.08	n.a.	14.80	0.00	n.a.	n.a.	n.a.	98.14
55	HDM2005-8 #5	51	chromite	91504	3	chromite	0.04	n.a.	0.29	19.59	40.46	0.25	22.93	0.22	0.08	n.a.	13.90	0.00	n.a.	n.a.	n.a.	97.75
56	HDM2005-8 #5	52	rutile	91507	1	Ilmenite (altered)	0.11	n.a.	59.08	0.00	0.04	0.03	30.57	0.55	0.00	n.a.	0.19	0.04	n.a.	n.a.	n.a.	90.59
57	HDM2005-8 #5	53	oxide	91516	1	Mg-ilmenite	0.26	n.a.	45.47	0.10	0.02	0.00	44.58	2.08	0.14	n.a.	4.86	0.01	n.a.	n.a.	n.a.	97.52
58	HDM2005-8 #5	54	chromite	91520	1	chromite	0.00	n.a.	0.26	15.19	51.60	0.11	19.08	0.39	0.07	n.a.	12.02	0.01	n.a.	n.a.	n.a.	98.72
n.a.	HDM2005-8 #5	55	oxide	91536	2	Ilmenite (altered)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
59	HDM2005-8 #5	56	chromite	91538	2	chromite	0.03	n.a.	1.74	11.91	46.45	0.12	24.07	0.23	0.00	n.a.	13.33	0.00	n.a.	n.a.	n.a.	97.89
n.a.	HDM2005-8 #5	57	chromite	91538	3	Ilmenite (altered)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-8 #5	58	ilmenite	91542	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
60	HDM2005-8 #5	59	chromite	91542	2	Cr-spinel	0.01	n.a.	1.06	24.39	38.47	0.08	18.12	0.18	0.07	n.a.	16.06	0.01	n.a.	n.a.	n.a.	98.44
61	HDM2005-8 #6	60	ilmenite	91545	2	Mg-ilmenite	0.11	n.a.	53.99	0.54	0.18	0.11	30.82	0.26	0.08	n.a.	12.67	0.05	n.a.	n.a.	n.a.	98.76
62	HDM2005-8 #6	61	chromite	91547	1	chromite	0.00	n.a.	0.13	12.92	53.99	0.13	25.15	0.26	0.23	n.a.	6.50	0.01	n.a.	n.a.	n.a.	99.31
63	HDM2005-8 #6	62	ilmenite	91556	2	Mg-ilmenite	0.24	n.a.	51.32	0.03	0.59	0.20	35.82	0.26	0.01	n.a.	10.01	0.02	n.a.	n.a.	n.a.	98.48
64	HDM2005-8 #6	63	chromite	91560	3	chromite	0.06	n.a.	2.10	15.54	43.68	0.18	23.13	0.28	0.05	n.a.	13.28	0.01	n.a.	n.a.	n.a.	98.31
65	HDM2005-8 #6	64	chromite	91563	3	chromite	0.06	n.a.	2.52	12.91	41.39	0.13	27.39	0.25	0.00	n.a.	13.27	0.00	n.a.	n.a.	n.a.	97.91
66	HDM2005-8 #6	65	chromite	91571	1	Ilmenite	0.43	n.a.	49.24	0.00	0.02	0.00	42.59	3.97	0.15	n.a.	2.54	0.01	n.a.	n.a.	n.a.	98.95
67	HDM2005-8 #6	66	chromite	91575	1	chromite	0.03	n.a.	3.48	6.66	46.85	0.03	25.85	0.25	0.00	n.a.	14.61	0.00	n.a.	n.a.	n.a.	97.77
n.a.	HDM2005-8 #6	67	ilmenite	91622	2	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
68	HDM2005-8 #6	68	chromite	91624	5	chromite	0.05	n.a.	1.11	19.66	42.99	0.14	20.39	0.20	0.00	n.a.	14.69	0.01	n.a.	n.a.	n.a.	99.24
69	HDM2005-8 #6	69	chromite	91624	6	chromite	0.03	n.a.	3.78	8.85	43.31	0.12	31.06	0.34	0.05	n.a.	10.50	0.00	n.a.	n.a.	n.a.	98.03
70	HDM2005-8 #7	70	ilmenite	91629	1	chromite	0.00	n.a.	3.58	11.98	40.48	0.13	28.17	0.24	0.07	n.a.	13.43	0.01	n.a.	n.a.	n.a.	98.07
71	HDM2005-8 #7	71	chromite	91630	1	chromite	0.00	n.a.	2.75	7.29	50.48	0.05	23.69	0.24	0.06	n.a.	12.17	0.02	n.a.	n.a.	n.a.	96.73
74	HDM2005-8 #7	72	chromite	91630	2	chromite	0.04	n.a.	1.82	13.05	48.72	0.08	22.21	0.20	0.11	n.a.	11.75	0.00	n.a.	n.a.	n.a.	97.98
75	HDM2005-8 #7	73	ilmenite	91630	3	Cr-spinel	0.00	n.a.	0.11	33.93	34.38	0.13	13.51	0.13	0.00	n.a.	17.77	0.00	n.a.	n.a.	n.a.	99.96
76	HDM2005-8 #7	74	chromite	91635	1	chromite	0.06	n.a.	2.62	14.80	36.84	0.11	32.59	0.27	0.01	n.a.	11.92	0.00	n.a.	n.a.	n.a.	99.23
77	HDM2005-8 #7	75	chromite	91635	2	chromite	0.00	n.a.	3.95	8.49	44.47	0.13	30.26	0.29	0.06	n.a.	11.47	0.01	n.a.	n.a.	n.a.	99.13
78	HDM2005-8 #7	76	chromite	91635	3	Mg-ilmenite	0.00	n.a.	51.53	0.23	0.43	0.00	35.85	0.38	0.12	n.a.	10.15	0.03	n.a.	n.a.	n.a.	98.69
79	HDM2005-8 #7	77	chromite	91635	4	chromite	0.00	n.a.	1.30	19.31	43.84	0.15	21.89	0.23	0.03	n.a.	12.22	0.01	n.a.	n.a.	n.a.	98.97
n.a.	HDM2005-8 #7	78	chromite	91635	5	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-8 #7	79	chromite	91640	1	Ilmenite (altered)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
91	HDM2005-8 #8	80	chromite	91641	1	chromite	0.06	n.a.	5.43	6.95	31.79	0.12	42.37	0.35	0.16	n.a.	10.18	0.01	n.a.	n.a.	n.a.	97.41
92	HDM2005-8 #8	81	chromite	91641	2	Ilmenite	0.04	n.a.	49.24	0.00	0.09	0.11	44.85	0.38	0.00	n.a.	2.63	0.00	n.a.	n.a.	n.a.	97.35
93	HDM2005-8 #8	82	chromite	91642	1	Cr-spinel	0.00	n.a.	1.34	22.24	39.88	0.16	21.92	0.23	0.10	n.a.	14.35	0.01	n.a.	n.a.	n.a.	100.22
n.a.	HDM2005-8 #8	83	oxide	91649	1	Amphibole	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
94	HDM2005-8 #8	84	ilmenite	91651	1	chromite	0.03	n.a.	5.14	8.75	39.54	0.19	33.48	0.31	0.00	n.a.	11.49	0.01	n.a.	n.a.	n.a.	98.92
95	HDM2005-8 #8	85	chromite	91657	1	hercynite	0.00	n.a.	0.03	68.25	1.32	0.16	8.11	0.16	0.22	n.a.	23.71	0.01	n.a.	n.a.	n.a.	101.97
96	HDM2005-8 #8	86	ilmenite	91657	2	chromite	0.00	n.a.	3.17	8.97	49.40	0.15	25.24	0.28	0.07	n.a.	12.76	0.00	n.a.	n.a.	n.a.	100.04
86	HDM2005-8 #8	87	chromite	91657	3	chromite	0.00	n.a.	3.60	7.40	46.10	0.08	28.39	0.30	0.00	n.a.	13.35	0.02	n.a.	n.a.	n.a.	99.23
85	HDM2005-8 #8	88	chromite	91657	4	Mg-ilmenite	0.25	n.a.	47.60	0.01	0.00	0.00	42.92	2.89	0.12	n.a.	4.34	0.04	n.a.	n.a.	n.a.	98.12
84	HDM2005-8 #8	89	chromite	91657	5	chromite	0.00	n.a.	3.13	13.60	39.83	0.10	29.84	0.27	0.15	n.a.	12.33	0.01	n.a.	n.a.	n.a.	99.25
83	HDM2005-8 #9	90	chromite	91667	2	Cr-spinel	0.00	n.a.	1.07	28.78	35.23	0.12	17.42	0.16	0.08	n.a.	16.74	0.00	n.a.	n.a.	n.a.	99.61
82	HDM2005-8 #9	91	rutile	91667	3	Mg-ilmenite	0.04	n.a.	52.33	0.32	0.81	0.05	35.33	0.34	0.00	n.a.	9.78	0.04	n.a.	n.a.	n.a.	99.00
81	HDM2005-8 #9	92	rutile	91668	1	Cr-spinel	0.00	n.a.	1.63	35.09	26.08	0.16	21.21	0.18	0.06	n.a.	15.51	0.00	n.a.	n.a.	n.a.	99.91
80	HDM2005-8 #9	93	ilmenite	91670	1	Mg-ilmenite	0.31	n.a.	50.33	0.00	1.09	0.04	38.08	0.38	0.12	n.a.	8.19	0.03	n.a.	n.a.	n.a.	98.54
97	HDM2005-8 #9	94	chromite	91670	2	chromite	0.00	n.a.	3.41	8.12	44.71	0.05	28.82	0.22	0.08	n.a.	13.07	0.01	n.a.	n.a.	n.a.	98.49

98	HDM2005-8 #9	95	chromite	91670	3	chromite	0.02	n.a.	3.43	8.10	49.55	0.10	24.70	0.22	0.03	n.a.	13.55	0.00	n.a.	n.a.	n.a.	99.70
n.a.	HDM2005-8 #9	96	chromite	91675	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
99	HDM2005-8 #9	97	chromite	91713	1	Mg-ilmenite	0.00	n.a.	49.43	0.24	0.03	0.00	37.26	0.71	0.13	n.a.	10.14	0.04	n.a.	n.a.	n.a.	97.95
100	HDM2005-8 #9	98	chromite	91713	2	chromite	0.00	n.a.	2.01	13.89	44.87	0.15	25.27	0.26	0.03	n.a.	13.35	0.00	n.a.	n.a.	n.a.	99.83
101	HDM2005-8 #9	99	oxide	91715	1	chromite	0.00	n.a.	3.79	8.19	43.85	0.08	29.19	0.28	0.00	n.a.	13.12	0.00	n.a.	n.a.	n.a.	98.50
n.a.	HDM2005-8 #1	100	rutile	91725	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
102	HDM2005-8 #1	101	chromite	91726	3	Cr-spinel	0.00	n.a.	0.97	23.09	30.40	0.31	36.33	0.41	1.08	n.a.	7.31	0.00	n.a.	n.a.	n.a.	99.90
103	HDM2005-8 #1	102	chromite	91730	1	chromite	0.00	n.a.	1.12	18.98	44.08	0.12	20.35	0.21	0.17	n.a.	14.67	0.00	n.a.	n.a.	n.a.	99.68
104	HDM2005-8 #1	103	ilmenite	91732	1	Mg-ilmenite	0.12	n.a.	49.20	0.19	0.04	0.05	40.15	0.34	0.13	n.a.	7.41	0.03	n.a.	n.a.	n.a.	97.64
n.a.	HDM2005-8 #1	104	chromite	91733	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
105	HDM2005-8 #1	105	rutile	91739	1	chromite	0.00	n.a.	4.85	8.59	39.44	0.05	29.57	0.28	0.07	n.a.	15.65	0.02	n.a.	n.a.	n.a.	98.51
n.a.	HDM2005-8 #1	106	chromite	91739	2	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
106	HDM2005-8 #1	107	chromite	91739	3	chromite	0.07	n.a.	2.39	12.42	43.81	0.13	27.97	0.24	0.17	n.a.	12.32	0.02	n.a.	n.a.	n.a.	99.52
107	HDM2005-8 #1	108	chromite	91739	4	Mg-ilmenite	0.00	n.a.	49.89	0.15	0.07	0.00	39.26	0.38	0.15	n.a.	8.22	0.04	n.a.	n.a.	n.a.	98.11
n.a.	HDM2005-8 #1	109	ilmenite	91748	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-8 #1	110	chromite	91748	2	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
108	HDM2005-8 #1	111	chromite	91750	1	chromite	0.00	n.a.	4.72	8.79	39.50	0.03	32.15	0.35	0.13	n.a.	13.15	0.00	n.a.	n.a.	n.a.	98.83
n.a.	HDM2005-8 #1	112	rutile	91752	2	Ilmenite (altered)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
109	HDM2005-8 #1	113	chromite	91754	1	chromite	0.00	n.a.	4.04	8.20	40.64	0.08	34.06	0.27	0.10	n.a.	11.36	0.01	n.a.	n.a.	n.a.	98.75
90	HDM2005-8 #1	114	chromite	91754	2	chromite	0.00	n.a.	1.93	15.57	42.71	0.18	26.36	0.25	0.20	n.a.	12.86	0.01	n.a.	n.a.	n.a.	100.07
89	HDM2005-8 #1	115	rutile	91756	1	chromite	0.08	n.a.	5.83	8.28	34.38	0.03	33.73	0.34	0.05	n.a.	15.61	0.01	n.a.	n.a.	n.a.	98.32
88	HDM2005-8 #1	116	chromite	91757	1	chromite	0.00	n.a.	7.07	7.64	30.75	0.06	41.42	0.38	0.13	n.a.	10.74	0.00	n.a.	n.a.	n.a.	98.19
87	HDM2005-8 #1	117	chromite	91757	2	chromite	0.00	n.a.	3.52	7.54	46.22	0.06	26.63	0.24	0.08	n.a.	14.00	0.00	n.a.	n.a.	n.a.	98.29
n.a.	HDM2005-8 #1	118	rutile	91760	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
110	HDM2005-8 #1	119	ilmenite	91764	2	Mg-ilmenite	0.12	n.a.	51.16	0.21	0.29	0.18	35.91	0.28	0.14	n.a.	10.34	0.03	n.a.	n.a.	n.a.	98.63
111	HDM2005-8 #1	120	chromite	91770	2	chromite	0.06	n.a.	1.42	16.64	44.48	0.12	23.73	0.22	0.00	n.a.	13.67	0.00	n.a.	n.a.	n.a.	100.34
112	HDM2005-8 #1	121	chromite	91781	1	Mg-ilmenite	0.19	n.a.	50.84	0.23	2.99	0.22	32.01	0.19	0.02	n.a.	12.04	0.02	n.a.	n.a.	n.a.	98.74
113	HDM2005-8 #1	122	chromite	91781	2	Mg-ilmenite	0.23	n.a.	46.47	0.02	1.62	0.34	41.32	0.27	0.00	n.a.	7.63	0.02	n.a.	n.a.	n.a.	97.90
114	HDM2005-8 #1	123	ilmenite	91783	2	Mg-ilmenite	0.35	n.a.	46.41	0.00	5.07	0.25	36.54	0.28	0.03	n.a.	9.09	0.01	n.a.	n.a.	n.a.	98.01
115	HDM2005-8 #1	124	ilmenite	91783	3	Mg-ilmenite	0.04	n.a.	53.24	0.44	0.18	0.19	32.44	0.27	0.08	n.a.	11.92	0.03	n.a.	n.a.	n.a.	98.80
116	HDM2005-8 #1	125	ilmenite	91783	4	Mg-ilmenite	0.10	n.a.	52.86	0.20	0.14	0.13	33.49	0.29	0.21	n.a.	11.57	0.04	n.a.	n.a.	n.a.	98.99
117	HDM2005-8 #1	126	ilmenite	91783	5	Cr-spinel	0.04	n.a.	0.61	29.79	37.15	0.11	15.19	0.20	0.06	n.a.	17.15	0.01	n.a.	n.a.	n.a.	100.29
n.a.	HDM2005-8 #1	127	chromite	91784	3	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-8 #1	128	chromite	91784	4	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
118	HDM2005-8 #1	129	chromite	91810	1	chromite	0.00	n.a.	4.01	11.95	43.55	0.14	28.10	0.25	0.22	n.a.	12.13	0.02	n.a.	n.a.	n.a.	100.36
119	HDM2005-8 #1	130	chromite	91810	2	chromite	0.00	n.a.	1.39	17.39	43.08	0.18	23.85	0.22	0.00	n.a.	13.85	0.01	n.a.	n.a.	n.a.	99.98
120	HDM2005-8 #1	131	chromite	91810	3	chromite	0.00	n.a.	6.15	8.92	33.15	0.14	38.43	0.29	0.15	n.a.	11.20	0.02	n.a.	n.a.	n.a.	98.44
n.a.	HDM2005-8 #1	132	chromite	91813	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
7	HDM2005-8 #1	133	chromite	91818	1	Ilmenite	0.06	n.a.	48.75	0.00	0.01	0.07	47.82	0.49	0.00	n.a.	0.82	0.00	n.a.	n.a.	n.a.	98.30
8	HDM2005-8 #1	134	oxide	91836	1	Cr-spinel	0.00	n.a.	1.17	31.08	31.32	0.15	20.15	0.19	0.12	n.a.	15.29	0.00	n.a.	n.a.	n.a.	99.48
9	HDM2005-8 #1	135	chromite	91837	1	Ilmenite	0.39	n.a.	46.93	0.00	0.01	0.00	42.85	3.88	0.00	n.a.	2.44	0.02	n.a.	n.a.	n.a.	96.73
10	HDM2005-8 #1	136	chromite	91837	2	chromite	0.00	n.a.	2.37	14.34	41.41	0.15	26.89	0.20	0.12	n.a.	13.53	0.00	n.a.	n.a.	n.a.	99.02
11	HDM2005-8 #1	137	chromite	91837	3	chromite	0.03	n.a.	3.02	13.43	43.78	0.23	24.90	0.23	0.02	n.a.	13.63	0.00	n.a.	n.a.	n.a.	99.28
12	HDM2005-8 #1	138	chromite	91838	1	Cr-spinel	0.00	n.a.	0.20	39.97	28.76	0.22	12.40	0.08	0.06	n.a.	18.41	0.01	n.a.	n.a.	n.a.	100.11
13	HDM2005-8 #1	139	chromite	91838	2	chromite	0.00	n.a.	3.73	12.22	40.83	0.21	30.18	0.29	0.15	n.a.	11.46	0.00	n.a.	n.a.	n.a.	99.10
14	HDM2005-8 #1	140	chromite	91839	1	chromite	0.08	n.a.	2.24	13.24	41.35	0.13	28.28	0.25	0.00	n.a.	13.36	0.02	n.a.	n.a.	n.a.	98.96
15	HDM2005-8 #1	141	ilmenite	91861	2	chromite	0.01	n.a.	1.15	19.89	43.18	0.11	20.24	0.21	0.15	n.a.	14.76	0.01	n.a.	n.a.	n.a.	99.71
16	HDM2005-8 #1	142	ilmenite	91871	1	chromite	0.00	n.a.	4.18	12.85	35.89	0.16	33.40	0.22	0.09	n.a.	12.25	0.01	n.a.	n.a.	n.a.	99.08
17	HDM2005-8 #1	143	chromite	91926	1	chromite	0.00	n.a.	1.90	11.37	47.28	0.14	24.34	0.26	0.04	n.a.	13.56	0.02	n.a.	n.a.	n.a.	98.93
18	HDM2005-8 #1	144	ilmenite	91927	2	Mg-ilmenite	0.01	n.a.	53.44	0.61	2.15	0.16	26.46	0.26	0.00	n.a.	14.27	0.01	n.a.	n.a.	n.a.	97.67
19	HDM2005-8 #1	145	ilmenite	91939	1	Ilmenite	0.16	n.a.	48.16	0.00	0.01	0.00	48.83	0.43	0.00	n.a.	0.26	0.00	n.a.	n.a.	n.a.	98.10
n.a.	HDM2005-8 #146	146	oxide	91946	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
20	HDM2005-8 #1	147	chromite	91948	2	Mg-ilmenite	0.54	n.a.	44.62	0.00	3.50	0.42	39.99	0.35	0.15	n.a.	8.06	0.02	n.a.	n.a.	n.a.	97.92

22	HDM2005-8 #1	148	ilmenite	91948	3	chromite	0.00	n.a.	3.47	7.95	44.11	0.06	28.82	0.22	0.00	n.a.	14.15	0.01	n.a.	n.a.	n.a.	98.82
23	HDM2005-8 #1	149	rutile	91949	1	Cr-spinel	0.00	n.a.	0.41	44.92	18.60	0.16	19.39	0.14	0.10	n.a.	16.96	0.00	n.a.	n.a.	n.a.	100.68
21	HDM2005-8 #1	150	oxide	877754	1	chromite	0.02	n.a.	3.97	8.93	44.37	0.00	26.13	0.29	0.08	n.a.	15.30	0.01	n.a.	n.a.	n.a.	99.13
24	HDM2005-8 #1	151	oxide	877757	1	chromite	0.03	n.a.	1.97	15.95	43.13	0.07	23.52	0.23	0.03	n.a.	14.40	0.01	n.a.	n.a.	n.a.	99.34
25	HDM2005-8 #1	152	oxide	877757	2	chromite	0.00	n.a.	2.39	13.16	42.80	0.14	27.94	0.24	0.00	n.a.	13.14	0.00	n.a.	n.a.	n.a.	99.83
26	HDM2005-8 #1	153	oxide	877759	2	chromite	0.01	n.a.	3.07	7.69	50.10	0.10	24.45	0.24	0.00	n.a.	12.30	0.01	n.a.	n.a.	n.a.	98.00
27	HDM2005-8 #1	154	oxide	877759	3	chromite	0.04	n.a.	4.64	8.11	41.40	0.01	30.11	0.48	0.11	n.a.	14.04	0.02	n.a.	n.a.	n.a.	98.98
28	HDM2005-8 #1	155	chromite	877764	2	MgMn-ilmenite	0.29	n.a.	45.75	0.03	0.01	0.00	43.32	2.49	0.16	n.a.	4.64	0.01	n.a.	n.a.	n.a.	96.95
29	HDM2005-8 #1	156	chromite	877765	1	chromite	0.00	n.a.	4.37	8.14	41.12	0.07	31.12	0.30	0.03	n.a.	13.58	0.00	n.a.	n.a.	n.a.	98.76
30	HDM2005-8 #1	157	chromite	877766	1	MgMn-ilmenite	0.29	n.a.	45.27	0.06	0.00	0.00	44.79	2.30	0.02	n.a.	4.67	0.00	n.a.	n.a.	n.a.	97.65
31	HDM2005-8 #1	158	chromite	877767	2	Cr-spinel	0.00	n.a.	0.39	31.79	20.23	1.00	44.38	0.28	1.03	n.a.	1.22	0.00	n.a.	n.a.	n.a.	100.31
32	HDM2005-8 #1	159	chromite	877767	3	chromite	0.01	n.a.	2.89	12.52	43.91	0.15	25.59	0.21	0.02	n.a.	13.34	0.04	n.a.	n.a.	n.a.	98.71
n.a.	HDM2005-8 #160	160	chromite	877767	4	Ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
33	HDM2005-8 #1	161	chromite	877771	1	chromite	0.04	n.a.	1.02	19.55	47.26	0.18	17.42	0.13	0.00	n.a.	12.75	0.01	n.a.	n.a.	n.a.	98.36
34	HDM2005-8 #1	162	chromite	877789	2	chromite	0.07	n.a.	2.37	8.35	54.10	0.08	22.00	0.26	0.13	n.a.	10.27	0.00	n.a.	n.a.	n.a.	97.65
35	HDM2005-8 #1	163	chromite	877789	3	Cr-spinel	0.00	n.a.	0.76	34.51	30.91	0.11	17.03	0.19	0.12	n.a.	17.02	0.00	n.a.	n.a.	n.a.	100.65
36	HDM2005-8 #1	164	chromite	878168	1	chromite	0.05	n.a.	2.14	13.35	44.81	0.12	25.34	0.21	0.12	n.a.	13.79	0.00	n.a.	n.a.	n.a.	99.95
37	HDM2005-8 #1	165	chromite	878170	2	chromite	0.02	n.a.	4.72	7.36	38.83	0.03	33.61	0.33	0.05	n.a.	13.19	0.00	n.a.	n.a.	n.a.	98.17
38	HDM2005-8 #1	166	chromite	878180	1	chromite	0.00	n.a.	1.61	18.05	43.17	0.04	20.51	0.15	0.00	n.a.	15.63	0.01	n.a.	n.a.	n.a.	99.16
39	HDM2005-8 #1	167	chromite	878180	2	Mg-ilmenite	0.12	n.a.	50.10	0.30	2.71	0.15	33.25	0.28	0.00	n.a.	10.41	0.01	n.a.	n.a.	n.a.	97.60
40	HDM2005-8 #1	168	chromite	878180	3	chromite	0.04	n.a.	3.85	11.11	40.28	0.13	30.94	0.26	0.09	n.a.	11.80	0.01	n.a.	n.a.	n.a.	98.55
41	HDM2005-8 #1	169	chromite	886913	1	chromite	0.00	n.a.	3.92	11.11	35.73	0.05	35.10	0.42	0.22	n.a.	11.64	0.00	n.a.	n.a.	n.a.	98.22
42	HDM2005-8 #1	170	oxide	886921	1	Mg-ilmenite	0.19	n.a.	52.15	0.27	0.38	0.20	33.29	0.27	0.09	n.a.	11.02	0.01	n.a.	n.a.	n.a.	98.16
43	HDM2005-8 #1	171	chromite	886926	1	Cr-spinel	0.04	n.a.	0.77	42.56	19.28	0.06	19.71	0.17	0.16	n.a.	17.72	0.00	n.a.	n.a.	n.a.	100.49
44	HDM2005-8 #1	172	chromite	886926	2	chromite	0.06	n.a.	6.15	8.93	36.95	0.18	35.63	0.29	0.07	n.a.	10.28	0.00	n.a.	n.a.	n.a.	98.58
n.a.	HDM2005-8 #173	173	chromite	886930	1	Hematite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
45	HDM2005-8 #1	174	chromite	886930	2	MgMn-ilmenite	0.18	n.a.	53.59	0.00	0.00	0.00	34.74	5.33	0.00	n.a.	4.10	0.02	n.a.	n.a.	n.a.	98.24
46	HDM2005-8 #1	175	chromite	886930	3	Cr-spinel	0.11	n.a.	2.61	20.78	27.75	0.20	34.12	0.26	0.25	n.a.	11.98	0.01	n.a.	n.a.	n.a.	98.07
n.a.	HDM2005-8 #176	176	chromite	886931	1	Hercynite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
47	HDM2005-8 #1	177	chromite	886931	2	Cr-spinel	0.00	n.a.	2.14	18.84	38.17	0.10	26.85	0.24	0.00	n.a.	13.58	0.00	n.a.	n.a.	n.a.	99.92
48	HDM2005-8 #1	178	chromite	886931	3	chromite	0.00	n.a.	2.06	17.10	39.92	0.20	27.82	0.25	0.08	n.a.	12.38	0.01	n.a.	n.a.	n.a.	99.81
49	HDM2005-8 #1	179	chromite	886935	1	chromite	0.00	n.a.	1.47	17.01	42.89	0.16	24.79	0.22	0.20	n.a.	12.67	0.00	n.a.	n.a.	n.a.	99.41
50	HDM2005-8 #1	180	chromite	886935	2	Ilmenite	0.06	n.a.	48.62	0.00	0.04	0.00	47.12	0.51	0.11	n.a.	1.52	0.01	n.a.	n.a.	n.a.	98.00
n.a.	HDM2005-8 #181	181	chromite	886935	3	Tourmaline	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
51	HDM2005-8 #1	182	ilmenite	886942	1	Mg-ilmenite	0.00	n.a.	50.37	0.03	0.16	0.00	37.97	0.44	0.11	n.a.	8.95	0.03	n.a.	n.a.	n.a.	98.06
52	HDM2005-8 #1	183	chromite	886942	2	Mg-ilmenite	0.12	n.a.	49.87	0.14	0.20	0.04	37.06	0.34	0.00	n.a.	9.14	0.02	n.a.	n.a.	n.a.	96.94
53	HDM2005-8 #1	184	chromite	886942	3	Mg-ilmenite	0.04	n.a.	50.15	0.27	0.11	0.11	36.98	0.47	0.07	n.a.	8.75	0.04	n.a.	n.a.	n.a.	96.99
54	HDM2005-8 #1	185	oxide	886949	1	chromite	0.00	n.a.	6.65	6.48	24.63	0.07	47.36	0.27	0.21	n.a.	11.19	0.01	n.a.	n.a.	n.a.	96.88
55	HDM2005-8 #1	186	chromite	886949	2	chromite	0.00	n.a.	1.83	12.92	47.30	0.10	23.78	0.23	0.07	n.a.	13.26	0.00	n.a.	n.a.	n.a.	99.50
56	HDM2005-8 #1	187	chromite	886949	3	chromite	0.03	n.a.	6.06	8.65	30.70	0.18	41.34	0.35	0.00	n.a.	10.76	0.01	n.a.	n.a.	n.a.	98.10
57	HDM2005-8 #1	188	chromite	887452	1	Cr-spinel	0.00	n.a.	1.19	25.18	38.26	0.11	18.58	0.21	0.13	n.a.	15.89	0.00	n.a.	n.a.	n.a.	99.55
58	HDM2005-8 #1	189	chromite	887452	2	chromite	0.00	n.a.	4.20	6.81	44.74	0.20	31.95	0.29	0.20	n.a.	10.94	0.00	n.a.	n.a.	n.a.	99.34
59	HDM2005-8 #1	190	chromite	887467	2	Mg-ilmenite	0.12	n.a.	50.20	0.42	2.61	0.35	31.54	0.24	0.00	n.a.	12.48	0.02	n.a.	n.a.	n.a.	97.98
60	HDM2005-8 #1	191	chromite	887467	3	chromite	0.01	n.a.	4.69	8.50	40.07	0.04	29.10	0.26	0.09	n.a.	15.38	0.02	n.a.	n.a.	n.a.	98.16
61	HDM2005-8 #1	192	chromite	887467	4	chromite	0.05	n.a.	3.29	14.00	39.93	0.25	29.95	0.20	0.10	n.a.	11.32	0.00	n.a.	n.a.	n.a.	99.10
62	HDM2005-8 #1	193	chromite	887472	1	chromite	0.01	n.a.	0.96	15.40	51.04	0.12	18.63	0.24	0.03	n.a.	12.56	0.00	n.a.	n.a.	n.a.	98.99
63	HDM2005-8 #1	194	chromite	887472	2	chromite	0.09	n.a.	1.76	12.26	49.01	0.09	21.87	0.23	0.18	n.a.	13.85	0.01	n.a.	n.a.	n.a.	99.36
64	HDM2005-8 #1	195	chromite	887472	3	chromite	0.00	n.a.	4.80	11.33	32.56	0.23	39.03	0.30	0.06	n.a.	10.13	0.00	n.a.	n.a.	n.a.	98.43
65	HDM2005-8 #1	196	chromite	887472	4	chromite	0.00	n.a.	1.48	17.66	42.34	0.16	25.02	0.25	0.00	n.a.	12.36	0.01	n.a.	n.a.	n.a.	99.30
66	HDM2005-8 #1	197	chromite	887472	5	chromite	0.04	n.a.	3.07	19.01	41.30	0.19	22.67	0.19	0.04	n.a.	13.49	0.01	n.a.	n.a.	n.a.	100.00
67	HDM2005-8 #1	198	chromite	887472	6	chromite	0.00	n.a.	7.26	6.14	33.99	0.13	39.87	0.36	0.10	n.a.	10.65	0.00	n.a.	n.a.	n.a.	98.50
68	HDM2005-8 #1	199	chromite	887472	7	Mg-ilmenite	0.23	n.a.	47.53	0.41	0.83	0.34	37.76	0.31	0.10	n.a.	10.03	0.01	n.a.	n.a.	n.a.	97.56
69	HDM2005-8 #2	200	chromite	887473	1	chromite	0.02	n.a.	2.72	7.50	50.47	0.11	26.97	0.26	0.17	n.a.	11.84	0.01	n.a.	n.a.	n.a.	100.08
70	HDM2005-8 #2	201	chromite	887473	2	Cr-spinel	0.00	n.a.	1.28	25.57	37.98	0.16	19.64	0.21	0.02	n.a.	15.89	0.01	n.a.	n.a.	n.a.	100.76
71	HDM2005-8 #2	202	chromite	887477	1	chromite	0.06	n.a.	1.87	17.21	42.69	0.09	22.00	0.22	0.00	n.a.	14.86	0.00	n.a.	n.a.	n.a.	99.00
72	HDM2005-8 #2	203	chromite	887477	2	chromite	0.00	n.a.	3.73	7.43	45.32	0.07	28.88	0.26	0.00	n.a.	12.78	0.00	n.a.	n.a.	n.a.	98.47
73	HDM2005-8 #2	204	chromite	887490	1	chromite	0.00	n.a.	2.10	15.97	40.41	0.20	28.23	0.28	0.07	n.a.	12.43	0.00	n.a.	n.a.	n.a.	99.67
74	HDM2005-8 #2	205	oxide	887490	2	MgMn-ilmenite	0.23	n.a.	46.52	0.03	0.00	0.03	43.41	2.70	0.18	n.a.	4.45	0.01	n.a.	n.a.	n.a.	97.56

75	HDM2005-8 #2	206	oxide	887490	3	MgMn-ilmenite	0.18	n.a.	44.27	0.05	0.00	0.04	44.35	2.73	0.13	n.a.	4.61	0.01	n.a.	n.a.	n.a.	96.39
81	HDM2005-9 #0	1	chromite	91610	1	chromite	0.08	n.a.	0.32	12.49	49.83	0.11	29.97	1.08	0.79	n.a.	5.35	0.01	n.a.	n.a.	n.a.	100.02
82	HDM2005-9 #0	2	ilmenite	91614	1	Mg-ilmenite	0.34	n.a.	43.10	0.00	2.10	0.46	44.08	0.24	0.00	n.a.	6.88	0.00	n.a.	n.a.	n.a.	97.20
83	HDM2005-9 #0	3	ilmenite	91614	2	Mg-ilmenite	0.21	n.a.	47.34	0.41	0.69	0.39	38.50	0.33	0.00	n.a.	9.71	0.02	n.a.	n.a.	n.a.	97.61
84	HDM2005-9 #0	4	ilmenite	91616	1	Mg-ilmenite	0.03	n.a.	51.49	0.63	0.16	0.18	33.49	0.23	0.26	n.a.	11.66	0.02	n.a.	n.a.	n.a.	98.16
85	HDM2005-9 #0	5	ilmenite	91616	2	Mg-ilmenite	0.00	n.a.	50.73	0.25	0.30	0.09	36.79	0.34	0.00	n.a.	9.38	0.03	n.a.	n.a.	n.a.	97.90
86	HDM2005-9 #0	6	oxide	91628	1	Ilmenite	0.03	n.a.	48.89	0.00	0.08	0.11	46.54	0.51	0.03	n.a.	2.35	0.00	n.a.	n.a.	n.a.	98.53
87	HDM2005-9 #0	7	chromite	91634	4	Cr-spinel	0.02	n.a.	1.18	30.96	31.32	0.15	21.62	0.22	0.00	n.a.	15.28	0.00	n.a.	n.a.	n.a.	100.75
88	HDM2005-9 #0	8	chromite	91634	5	Cr-spinel	0.00	n.a.	1.49	24.97	36.18	0.13	21.96	0.21	0.06	n.a.	14.99	0.00	n.a.	n.a.	n.a.	99.97
89	HDM2005-9 #0	9	ilmenite	91634	6	Mg-ilmenite	0.00	n.a.	51.75	0.78	4.06	0.12	27.68	0.24	0.11	n.a.	13.62	0.03	n.a.	n.a.	n.a.	98.38
90	HDM2005-9 #1	10	oxide	91637	2	chromite	0.00	n.a.	3.34	10.49	42.59	0.12	31.88	0.29	0.06	n.a.	10.52	0.00	n.a.	n.a.	n.a.	99.30
91	HDM2005-9 #1	11	oxide	91638	1	Mg-ilmenite	0.05	n.a.	46.14	0.36	0.07	0.16	44.01	0.40	0.12	n.a.	6.89	0.02	n.a.	n.a.	n.a.	98.22
92	HDM2005-9 #1	12	ilmenite	91639	1	Mg-ilmenite	0.12	n.a.	49.99	0.02	0.35	0.16	38.30	0.32	0.00	n.a.	8.51	0.02	n.a.	n.a.	n.a.	97.77
93	HDM2005-9 #1	13	ilmenite	91639	2	Mg-ilmenite	0.07	n.a.	48.76	0.44	0.39	0.20	36.97	0.24	0.07	n.a.	10.55	0.01	n.a.	n.a.	n.a.	97.71
94	HDM2005-9 #1	14	chromite	91639	3	chromite	0.07	n.a.	0.13	14.42	49.77	0.15	27.26	0.47	0.25	n.a.	7.45	0.01	n.a.	n.a.	n.a.	99.96
n.a.	HDM2005-9 #1	15	chromite	91639	4	Ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
95	HDM2005-9 #1	16	chromite	91639	5	chromite	0.03	n.a.	1.54	18.89	32.17	0.23	42.95	0.38	0.43	n.a.	3.56	0.01	n.a.	n.a.	n.a.	100.19
96	HDM2005-9 #1	17	chromite	91639	6	chromite	0.00	n.a.	4.66	8.74	35.62	0.07	37.37	0.32	0.11	n.a.	12.76	0.01	n.a.	n.a.	n.a.	99.65
n.a.	HDM2005-9 #1	18	chromite	91643	1	Ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
97	HDM2005-9 #1	19	chromite	91643	2	Mn-ilmenite	0.22	n.a.	45.34	0.10	0.00	0.00	45.44	2.59	0.18	n.a.	3.02	0.03	n.a.	n.a.	n.a.	96.91
98	HDM2005-9 #2	20	chromite	91646	1	chromite	0.00	n.a.	2.54	14.21	40.36	0.13	28.08	0.19	0.14	n.a.	13.39	0.01	n.a.	n.a.	n.a.	99.07
99	HDM2005-9 #2	21	chromite	91646	2	chromite	0.00	n.a.	1.97	16.91	46.12	0.12	21.78	0.27	0.07	n.a.	10.22	0.00	n.a.	n.a.	n.a.	97.48
n.a.	HDM2005-9 #2	22	chromite	91646	3	Mn-oxide	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
100	HDM2005-9 #2	23	oxide	91652	1	chromite	0.00	n.a.	6.97	7.85	29.92	0.13	42.41	0.31	0.00	n.a.	11.44	0.02	n.a.	n.a.	n.a.	99.04
101	HDM2005-9 #2	24	chromite	91652	2	Mg-ilmenite	0.03	n.a.	50.33	0.28	1.92	0.09	33.69	0.27	0.10	n.a.	10.85	0.02	n.a.	n.a.	n.a.	97.58
102	HDM2005-9 #2	25	oxide	91653	1	chromite	0.00	n.a.	4.51	7.41	41.65	0.06	31.77	0.26	0.08	n.a.	13.55	0.01	n.a.	n.a.	n.a.	99.29
n.a.	HDM2005-9 #2	26	oxide	91653	2	Fe-oxide	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
103	HDM2005-9 #2	27	ilmenite	91655	1	Mg-ilmenite	0.00	n.a.	50.54	0.70	0.02	0.28	39.08	0.41	0.01	n.a.	6.90	0.05	n.a.	n.a.	n.a.	97.98
104	HDM2005-9 #2	28	ilmenite	91655	2	Mg-ilmenite	0.06	n.a.	49.76	0.30	0.63	0.04	37.96	0.36	0.07	n.a.	9.50	0.04	n.a.	n.a.	n.a.	98.72
105	HDM2005-9 #2	29	chromite	91655	3	chromite	0.02	n.a.	3.71	10.18	31.19	0.10	43.25	0.45	0.15	n.a.	9.87	0.00	n.a.	n.a.	n.a.	98.92
106	HDM2005-9 #3	30	chromite	91655	4	chromite	0.00	n.a.	1.89	17.35	42.84	0.04	22.67	0.20	0.04	n.a.	15.23	0.01	n.a.	n.a.	n.a.	100.28
107	HDM2005-9 #3	31	chromite	91655	5	MgMn-ilmenite	0.32	n.a.	45.84	0.00	0.01	0.00	44.26	2.64	0.06	n.a.	4.45	0.02	n.a.	n.a.	n.a.	97.59
108	HDM2005-9 #3	32	chromite	91655	6	Cr-spinel	0.00	n.a.	0.85	24.70	31.58	0.13	17.10	0.16	0.05	n.a.	12.78	0.01	n.a.	n.a.	n.a.	87.36
109	HDM2005-9 #3	33	chromite	91656	1	Mg-ilmenite	0.00	n.a.	46.50	0.53	0.00	0.11	41.46	0.35	0.11	n.a.	7.87	0.05	n.a.	n.a.	n.a.	96.97
111	HDM2005-9 # 3	34	oxide	91656	2	Mg-ilmenite	0.28	n.a.	46.76	0.48	0.76	0.37	39.58	0.28	0.00	n.a.	9.57	0.01	n.a.	n.a.	n.a.	98.10
112	HDM2005-9 # 3	35	oxide	91656	3	Mg-ilmenite	0.31	n.a.	44.24	0.31	8.74	0.36	32.06	0.29	0.00	n.a.	11.23	0.01	n.a.	n.a.	n.a.	97.55
113	HDM2005-9 # 3	36	oxide	91704	1	Cr-spinel	0.04	n.a.	0.94	32.86	31.98	0.10	18.01	0.19	0.06	n.a.	17.13	0.00	n.a.	n.a.	n.a.	101.31
114	HDM2005-9 # 3	37	chromite	91743	1	Mg-ilmenite	0.12	n.a.	49.94	0.55	0.27	0.16	34.09	0.23	0.00	n.a.	12.00	0.02	n.a.	n.a.	n.a.	97.38
115	HDM2005-9 # 3	38	oxide	91743	2	MgMn-ilmenite	0.32	n.a.	45.79	0.02	0.01	0.00	44.83	2.72	0.13	n.a.	4.44	0.01	n.a.	n.a.	n.a.	98.27
116	HDM2005-9 # 3	39	chromite	91768	1	chromite	0.00	n.a.	2.41	19.13	39.83	0.27	24.37	0.22	0.17	n.a.	13.33	0.01	n.a.	n.a.	n.a.	99.75
n.a.	HDM2005-9 # 4	40	chromite	91793	1	Fe-oxide	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
117	HDM2005-9 # 4	41	ilmenite	91797	1	Mg-ilmenite	0.00	n.a.	50.50	0.54	1.70	0.10	33.81	0.25	0.07	n.a.	10.97	0.03	n.a.	n.a.	n.a.	97.96
118	HDM2005-9 # 4	42	oxide	91797	2	Cr-hercynite	0.00	n.a.	0.03	58.64	8.40	0.05	14.52	0.11	0.10	n.a.	18.87	0.01	n.a.	n.a.	n.a.	100.71
n.a.	HDM2005-9 # 4	43	oxide	91798	1	Ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
119	HDM2005-9 # 4	44	chromite	91807	1	chromite	0.03	n.a.	2.51	13.33	42.66	0.09	28.49	0.26	0.04	n.a.	12.26	0.00	n.a.	n.a.	n.a.	99.68
120	HDM2005-9 # 4	45	oxide	91814	1	chromite	0.00	n.a.	0.19	14.74	52.51	0.13	22.02	0.34	0.17	n.a.	10.60	0.01	n.a.	n.a.	n.a.	100.70
121	HDM2005-9 # 4	46	ilmenite	91819	3	Ilmenite	0.09	n.a.	49.34	0.00	0.05	0.03	44.42	0.51	0.08	n.a.	3.64	0.01	n.a.	n.a.	n.a.	98.15
122	HDM2005-9 # 4	47	ilmenite	91819	4	Ilmenite	0.00	n.a.	48.58	0.00	0.18	0.05	44.78	0.48	0.09	n.a.	3.10	0.01	n.a.	n.a.	n.a.	97.27
n.a.	HDM2005-9 # 4	48	ilmenite	91819	5	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
123	HDM2005-9 # 4	49	chromite	91819	6	Cr-spinel	0.01	n.a.	2.35	22.30	37.48	0.25	24.02	0.19	0.14	n.a.	13.74	0.01	n.a.	n.a.	n.a.	100.48
124	HDM2005-9 # 5	50	ilmenite	91821	1	Mg-ilmenite	0.03	n.a.	51.22	0.16	0.52	0.14	36.55	0.35	0.07	n.a.	9.66	0.02	n.a.	n.a.	n.a.	98.72
125	HDM2005-9 # 5	51	chromite	91821	2	chromite	0.01	n.a.	3.16	7.58	49.00	0.04	25.69	0.28	0.00	n.a.	13.22	0.00	n.a.	n.a.	n.a.	98.99
126	HDM2005-9 # 5	52	ilmenite	91823	1	Mg-ilmenite	0.18	n.a.	51.86	0.33	2.32	0.26	28.25	0.33	0.03	n.a.	13.98	0.02	n.a.	n.a.	n.a.	97.55
127	HDM2005-9 # 5	53	ilmenite	91823	2	Mg-ilmenite	0.08	n.a.	51.48	0.00	0.21	0.01	36.79	0.46	0.12	n.a.	9.16	0.03	n.a.	n.a.	n.a.	98.35
128	HDM2005-9 # 5	54	chromite	91823	3	Cr-spinel	0.00	n.a.	0.84	26.22	40.74	0.14	16.74	0.13	0.04	n.a.	14.39	0.01	n.a.	n.a.	n.a.	99.26
129	HDM2005-9 # 5	55	chromite	91823	4	chromite	0.00	n.a.	2.15	18.07	39.24	0.10	24.67	0.21	0.02	n.a.	14.62	0.01	n.a.	n.a.	n.a.	99.10
130	HDM2005-9 # 5	56	chromite	91823	5	Cr-spinel	0.06	n.a.	0.78	33.64	30.39	0.11	18.67	0.14	0.00	n.a.	17.01	0.01	n.a.	n.a.	n.a.	100.79
131	HDM2005-9 # 5	57	chromite	91823	6	chromite	0.00	n.a.	1.97	16.91	42.32	0.12	24.39	0.26	0.07	n.a.	14.00	0.01	n.a.	n.a.	n.a.	100.05

132	HDM2005-9 # 5	58	chromite	91823	7	chromite	0.04	n.a.	1.74	18.81	42.02	0.10	21.44	0.18	0.06	n.a.	15.27	0.01	n.a.	n.a.	n.a.	99.66
133	HDM2005-9 # 5	59	chromite	91823	8	chromite	0.00	n.a.	5.08	13.15	37.30	0.22	31.49	0.25	0.13	n.a.	11.15	0.00	n.a.	n.a.	n.a.	98.76
n.a.	HDM2005-9 # 6	60	chromite	91824	3	*plucked*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
134	HDM2005-9 # 6	61	chromite	91824	4	chromite	0.03	n.a.	2.38	6.53	52.78	0.05	23.32	0.18	0.00	n.a.	13.10	0.01	n.a.	n.a.	n.a.	98.39
135	HDM2005-9 # 6	62	chromite	91827	1	Mg-ilmenite	0.25	n.a.	47.61	0.00	0.16	0.21	42.62	0.31	0.17	n.a.	6.29	0.01	n.a.	n.a.	n.a.	97.63
136	HDM2005-9 # 6	63	oxide	91830	1	Mg-ilmenite	0.06	n.a.	50.36	0.44	2.67	0.33	31.36	0.26	0.00	n.a.	12.25	0.01	n.a.	n.a.	n.a.	97.74
137	HDM2005-9 # 6	64	oxide	91831	1	Mg-ilmenite	0.10	n.a.	47.29	0.04	0.49	0.08	41.00	0.42	0.03	n.a.	7.76	0.03	n.a.	n.a.	n.a.	97.26
138	HDM2005-9 # 6	65	chromite	91849	1	chromite	0.03	n.a.	1.86	12.92	45.95	0.11	24.18	0.19	0.00	n.a.	13.81	0.00	n.a.	n.a.	n.a.	99.05
139	HDM2005-9 # 6	66	chromite	91854	1	chromite	0.01	n.a.	4.49	10.53	41.24	0.22	27.30	0.23	0.08	n.a.	14.35	0.01	n.a.	n.a.	n.a.	98.45
140	HDM2005-9 # 6	67	chromite	91854	2	Mg-ilmenite	0.73	n.a.	53.73	0.00	0.00	0.00	29.52	2.15	0.00	n.a.	12.29	0.01	n.a.	n.a.	n.a.	98.43
141	HDM2005-9 # 6	68	ilmenite	877753	1	Mg-ilmenite	0.02	n.a.	43.95	0.39	0.01	0.06	46.32	0.91	0.01	n.a.	5.51	0.03	n.a.	n.a.	n.a.	97.20
142	HDM2005-9 # 6	69	ilmenite	877753	2	Mg-ilmenite	0.08	n.a.	47.82	0.34	1.18	0.03	37.70	0.35	0.00	n.a.	9.49	0.03	n.a.	n.a.	n.a.	97.02
143	HDM2005-9 # 7	70	ilmenite	877753	3	Mg-ilmenite	0.02	n.a.	46.72	0.40	0.09	0.04	42.34	0.33	0.08	n.a.	7.27	0.03	n.a.	n.a.	n.a.	97.32
144	HDM2005-9 # 7	71	oxide	877762	1	Cr-spinel	0.05	n.a.	0.34	30.29	35.97	0.13	14.30	0.16	0.02	n.a.	17.39	0.01	n.a.	n.a.	n.a.	98.67
145	HDM2005-9 # 7	72	chromite	877773	2	chromite	0.00	n.a.	4.59	11.14	40.82	0.18	29.55	0.24	0.00	n.a.	11.94	0.00	n.a.	n.a.	n.a.	98.46
146	HDM2005-9 # 7	73	ilmenite	877774	1	Mg-ilmenite	0.03	n.a.	50.98	0.14	1.66	0.04	34.94	0.30	0.02	n.a.	9.98	0.02	n.a.	n.a.	n.a.	98.11
147	HDM2005-9 # 7	74	chromite	877776	1	Cr-spinel	0.06	n.a.	1.22	25.74	36.03	0.14	18.97	0.20	0.00	n.a.	15.76	0.00	n.a.	n.a.	n.a.	98.10
148	HDM2005-9 # 7	75	chromite	877776	2	chromite	0.05	n.a.	4.56	6.56	40.42	0.11	34.54	0.30	0.12	n.a.	11.89	0.00	n.a.	n.a.	n.a.	98.57
n.a.	HDM2005-9 # 7	76	ilmenite	877792	3	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
149	HDM2005-9 # 7	77	ilmenite	877792	4	Mg-ilmenite	0.00	n.a.	51.00	0.00	0.04	0.05	37.09	0.38	0.00	n.a.	8.90	0.02	n.a.	n.a.	n.a.	97.48
150	HDM2005-9 # 7	78	ilmenite	877792	5	Mg-ilmenite	0.12	n.a.	50.13	0.16	1.12	0.00	34.93	0.35	0.00	n.a.	10.64	0.04	n.a.	n.a.	n.a.	97.49
151	HDM2005-9 # 7	79	ilmenite	877792	6	Mg-ilmenite	0.16	n.a.	48.46	0.35	0.16	0.19	39.19	0.28	0.03	n.a.	8.55	0.02	n.a.	n.a.	n.a.	97.39
152	HDM2005-9 # 8	80	chromite	877792	7	chromite	0.00	n.a.	3.90	13.06	38.06	0.16	32.31	0.22	0.01	n.a.	11.15	0.00	n.a.	n.a.	n.a.	98.89
153	HDM2005-9 # 8	81	chromite	877792	8	chromite	0.07	n.a.	5.65	8.58	37.50	0.14	35.50	0.30	0.07	n.a.	10.40	0.00	n.a.	n.a.	n.a.	98.23
154	HDM2005-9 # 8	82	chromite	877792	9	chromite	0.01	n.a.	4.08	8.45	39.63	0.12	36.44	0.50	0.09	n.a.	9.20	0.00	n.a.	n.a.	n.a.	98.53
155	HDM2005-9 # 8	83	chromite	877792	10	chromite	0.00	n.a.	2.66	11.13	43.92	0.16	31.68	0.53	0.22	n.a.	8.93	0.01	n.a.	n.a.	n.a.	99.26
156	HDM2005-9 # 8	84	chromite	877792	11	chromite	0.00	n.a.	5.00	12.99	35.13	0.15	33.32	0.25	0.00	n.a.	11.39	0.00	n.a.	n.a.	n.a.	98.22
157	HDM2005-9 # 8	85	chromite	877792	12	Mg-ilmenite	0.34	n.a.	55.59	0.00	0.00	0.00	27.13	0.81	0.33	n.a.	15.15	0.01	n.a.	n.a.	n.a.	99.37
158	HDM2005-9 # 8	86	ilmenite	877795	1	Mg-ilmenite	0.23	n.a.	46.26	0.00	1.76	0.25	39.95	0.24	0.08	n.a.	8.57	0.01	n.a.	n.a.	n.a.	97.34
159	HDM2005-9 # 8	87	ilmenite	877795	2	Mg-ilmenite	0.24	n.a.	45.19	0.09	0.01	0.01	44.60	1.90	0.02	n.a.	5.09	0.03	n.a.	n.a.	n.a.	97.18
160	HDM2005-9 # 8	88	oxide	877796	1	Cr-hercynite	0.03	n.a.	0.03	57.12	9.31	0.09	12.02	0.10	0.06	n.a.	19.74	0.00	n.a.	n.a.	n.a.	98.50
161	HDM2005-9 # 8	89	chromite	877797	1	chromite	0.00	n.a.	6.21	10.69	35.29	0.22	34.78	0.23	0.16	n.a.	11.10	0.01	n.a.	n.a.	n.a.	98.70
162	HDM2005-9 # 9	90	chromite	877797	2	Cr-spinel	0.03	n.a.	1.20	22.52	39.00	0.12	19.57	0.17	0.11	n.a.	15.13	0.01	n.a.	n.a.	n.a.	97.85
n.a.	HDM2005-9 # 9	91	ilmenite	877797	3	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
163	HDM2005-9 # 9	92	ilmenite	877797	4	Mg-ilmenite	0.18	n.a.	48.65	0.36	0.94	0.21	35.07	0.28	0.00	n.a.	11.05	0.03	n.a.	n.a.	n.a.	96.76
164	HDM2005-9 # 9	93	ilmenite	877800	1	Mg-ilmenite	0.27	n.a.	45.78	0.18	0.62	0.23	43.24	0.33	0.03	n.a.	7.26	0.01	n.a.	n.a.	n.a.	97.95
165	HDM2005-9 # 9	94	ilmenite	878153	1	chromite	0.03	n.a.	1.31	16.30	42.71	0.14	25.97	0.25	0.00	n.a.	12.81	0.00	n.a.	n.a.	n.a.	99.52
n.a.	HDM2005-9 # 9	95	chromite	878153	2	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
166	HDM2005-9 # 9	96	ilmenite	878155	1	Cr-spinel	0.02	n.a.	0.44	41.42	24.31	0.08	13.67	0.11	0.02	n.a.	18.92	0.00	n.a.	n.a.	n.a.	98.98
167	HDM2005-9 # 9	97	chromite	878158	1	chromite	0.00	n.a.	3.89	8.93	42.66	0.19	33.14	0.29	0.09	n.a.	10.57	0.01	n.a.	n.a.	n.a.	99.78
168	HDM2005-9 # 9	98	chromite	878159	1	Cr-spinel	0.06	n.a.	0.90	22.75	41.29	0.14	19.46	0.21	0.13	n.a.	12.01	0.00	n.a.	n.a.	n.a.	96.94
169	HDM2005-9 # 9	99	chromite	878166	1	chromite	0.01	n.a.	0.68	16.77	50.90	0.19	15.71	0.22	0.14	n.a.	15.48	0.00	n.a.	n.a.	n.a.	100.10
n.a.	HDM2005-9 # 1	100	oxide	878166	2	Ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 # 1	101	oxide	878167	1	Ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
170	HDM2005-9 # 1	102	ilmenite	878177	1	chromite	0.00	n.a.	4.34	8.87	40.74	0.07	28.88	0.26	0.04	n.a.	15.19	0.02	n.a.	n.a.	n.a.	98.41
9	HDM2005-9 #1	103	ilmenite	878181	1	Mg-ilmenite	0.29	n.a.	48.17	0.02	0.37	0.18	41.04	0.34	0.18	n.a.	7.45	0.00	n.a.	n.a.	n.a.	98.27
10	HDM2005-9 #1	104	chromite	878181	2	Cr-spinel	0.05	n.a.	0.75	36.01	30.12	0.16	16.64	0.15	0.06	n.a.	17.68	0.00	n.a.	n.a.	n.a.	101.61
11	HDM2005-9 #1	105	ilmenite	878182	1	Mg-ilmenite	0.02	n.a.	50.80	0.02	0.21	0.05	36.55	0.41	0.10	n.a.	9.71	0.03	n.a.	n.a.	n.a.	98.14
12	HDM2005-9 #1	106	chromite	878183	1	chromite	0.04	n.a.	1.36	18.19	42.66	0.19	24.34	0.21	0.06	n.a.	13.75	0.00	n.a.	n.a.	n.a.	100.82
13	HDM2005-9 #1	107	chromite	878183	2	chromite	0.03	n.a.	2.75	17.56	37.06	0.17	29.38	0.30	0.06	n.a.	13.20	0.01	n.a.	n.a.	n.a.	100.52
14	HDM2005-9 #1	108	ilmenite	878183	3	Mg-ilmenite	0.10	n.a.	51.28	0.11	0.51	0.08	35.74	0.32	0.00	n.a.	9.88	0.02	n.a.	n.a.	n.a.	98.30
15	HDM2005-9 #1	109	ilmenite	878184	1	Mg-ilmenite	0.32	n.a.	45.19	0.43	2.04	0.48	40.70	0.27	0.05	n.a.	8.85	0.01	n.a.	n.a.	n.a.	98.57
16	HDM2005-9 #1	110	oxide	878184	2	chromite	0.14	n.a.	6.32	7.19	35.40	0.10	36.85	0.30	0.01	n.a.	12.71	0.01	n.a.	n.a.	n.a.	99.05
17	HDM2005-9 #1	111	oxide	878184	3	Mg-ilmenite	0.10	n.a.	50.23	0.05	0.10	0.13	37.91	0.38	0.11	n.a.	9.15	0.03	n.a.	n.a.	n.a.	98.44
18	HDM2005-9 #1	112	chromite	878184	4	chromite	0.00	n.a.	5.99	10.02	34.27	0.16	37.60	0.25	0.00	n.a.	11.04	0.01	n.a.	n.a.	n.a.	99.36
19	HDM2005-9 #1	113	chromite	878184	5	Mg-ilmenite	0.26	n.a.	46.74	0.15	0.19	0.22	42.21	0.45	0.00	n.a.	7.18	0.02	n.a.	n.a.	n.a.	97.65
20	HDM2005-9 #1	114	chromite	878184	6	chromite	0.06	n.a.	2.27	14.90	43.22	0.13	26.63	0.24	0.00	n.a.	13.10	0.00	n.a.	n.a.	n.a.	100.56
n.a.	HDM2005-9 #1	115	chromite	878184	7	ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

n.a.	HDM2005-9 #1	116	chromite	878184	8	ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
21	HDM2005-9	117	chromite	878184	9	chromite	0.03	n.a.	2.19	7.22	###	0.04	22.63	0.20	###	n.a.	12.54	0.00	n.a.	n.a.	n.a.	98.82
n.a.	HDM2005-9 #1	118	chromite	878184	10	ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
22	HDM2005-9 #1	119	chromite	878184	11	chromite	0.01	n.a.	8.28	7.46	34.06	0.27	39.24	0.30	0.00	n.a.	9.78	0.00	n.a.	n.a.	n.a.	99.44
23	HDM2005-9 #1	120	chromite	878184	12	Mg-ilmenite	0.09	n.a.	49.74	0.04	0.10	0.06	38.89	0.43	0.11	n.a.	8.55	0.03	n.a.	n.a.	n.a.	98.30
24	HDM2005-9 #1	121	chromite	878186	1	chromite	0.00	n.a.	1.77	14.99	47.06	0.13	21.77	0.17	0.00	n.a.	14.28	0.00	n.a.	n.a.	n.a.	100.17
25	HDM2005-9 #1	122	chromite	878186	2	chromite	0.00	n.a.	2.16	16.67	37.82	0.12	29.44	0.25	0.08	n.a.	13.32	0.00	n.a.	n.a.	n.a.	99.87
26	HDM2005-9 #1	123	ilmenite	878186	3	chromite	0.04	n.a.	3.90	7.30	42.71	0.02	31.57	0.31	0.24	n.a.	13.37	0.01	n.a.	n.a.	n.a.	99.48
n.a.	HDM2005-9 #1	124	ilmenite	878189	1	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
27	HDM2005-9 #1	125	chromite	878190	2	chromite	0.03	n.a.	2.82	18.41	32.56	0.13	32.43	0.25	0.06	n.a.	13.12	0.00	n.a.	n.a.	n.a.	99.83
28	HDM2005-9 #1	126	chromite	878190	3	chromite	0.00	n.a.	4.33	7.66	37.17	0.13	39.21	0.38	0.26	n.a.	10.37	0.01	n.a.	n.a.	n.a.	99.54
29	HDM2005-9 #1	127	ilmenite	878190	4	Mg-ilmenite	0.04	n.a.	51.69	0.61	1.65	0.19	30.28	0.26	0.02	n.a.	13.30	0.03	n.a.	n.a.	n.a.	98.33
30	HDM2005-9 #1	128	chromite	878190	5	Mg-ilmenite	0.04	n.a.	48.02	0.19	0.04	0.05	42.80	0.50	0.04	n.a.	6.12	0.03	n.a.	n.a.	n.a.	98.07
31	HDM2005-9 #1	129	chromite	878191	3	Cr-spinel	0.00	n.a.	0.78	34.17	32.60	0.15	16.39	0.16	0.14	n.a.	14.63	0.00	n.a.	n.a.	n.a.	99.03
32	HDM2005-9 #1	130	chromite	878191	4	chromite	0.03	n.a.	4.48	8.73	41.75	0.09	28.61	0.25	0.10	n.a.	15.41	0.01	n.a.	n.a.	n.a.	99.47
33	HDM2005-9 #1	131	chromite	878191	5	chromite	0.00	n.a.	1.92	16.01	42.97	0.08	23.36	0.22	0.18	n.a.	15.05	0.00	n.a.	n.a.	n.a.	99.79
34	HDM2005-9 #1	132	chromite	878193	1	chromite	0.04	n.a.	4.30	8.40	43.30	0.06	27.75	0.26	0.03	n.a.	15.36	0.00	n.a.	n.a.	n.a.	99.54
35	HDM2005-9 #1	133	chromite	878193	2	chromite	0.00	n.a.	2.21	10.40	43.45	0.27	35.02	0.37	0.18	n.a.	8.36	0.00	n.a.	n.a.	n.a.	100.29
36	HDM2005-9 #1	134	chromite	878195	1	chromite	0.06	n.a.	4.21	9.53	39.80	0.17	35.56	0.40	0.14	n.a.	9.49	0.00	n.a.	n.a.	n.a.	99.38
37	HDM2005-9 #1	135	chromite	878195	2	Mg-ilmenite	0.21	n.a.	51.51	0.38	1.80	0.32	29.80	0.29	0.14	n.a.	13.70	0.02	n.a.	n.a.	n.a.	98.44
38	HDM2005-9 #1	136	chromite	878195	3	chromite	0.00	n.a.	1.62	18.16	43.37	0.13	21.13	0.23	0.02	n.a.	15.23	0.01	n.a.	n.a.	n.a.	99.91
39	HDM2005-9 #1	137	chromite	878195	4	chromite	0.00	n.a.	2.07	18.76	40.10	0.22	25.77	0.24	0.06	n.a.	13.25	0.01	n.a.	n.a.	n.a.	100.48
40	HDM2005-9 #1	138	oxide	878196	1	Cr-spinel	0.04	n.a.	1.02	29.02	36.65	0.14	17.54	0.19	0.00	n.a.	16.85	0.00	n.a.	n.a.	n.a.	101.44
41	HDM2005-9 #1	139	chromite	878196	2	chromite	0.04	n.a.	3.61	11.88	42.94	0.17	29.28	0.26	0.17	n.a.	11.85	0.01	n.a.	n.a.	n.a.	100.22
42	HDM2005-9 #1	140	oxide	878197	1	chromite	0.00	n.a.	5.03	7.72	38.25	0.04	33.88	0.27	0.00	n.a.	13.73	0.01	n.a.	n.a.	n.a.	98.95
43	HDM2005-9 #1	141	oxide	878197	2	Cr-spinel	0.00	n.a.	0.38	31.56	37.26	0.13	14.11	0.16	0.07	n.a.	17.68	0.00	n.a.	n.a.	n.a.	101.35
44	HDM2005-9 #1	142	oxide	878197	3	chromite	0.07	n.a.	1.80	17.51	47.05	0.14	20.69	0.19	0.00	n.a.	12.36	0.00	n.a.	n.a.	n.a.	99.83
45	HDM2005-9 #1	143	chromite	878197	4	chromite	0.05	n.a.	1.98	16.45	43.87	0.12	23.15	0.21	0.10	n.a.	14.87	0.00	n.a.	n.a.	n.a.	100.81
46	HDM2005-9 #1	144	oxide	878198	1	Mg-ilmenite	0.20	n.a.	48.58	0.15	0.74	0.32	39.24	0.30	0.05	n.a.	8.48	0.01	n.a.	n.a.	n.a.	98.32
47	HDM2005-9 #1	145	chromite	878198	2	chromite	0.00	n.a.	1.15	22.29	41.43	0.15	20.76	0.20	0.10	n.a.	14.93	0.02	n.a.	n.a.	n.a.	101.02
48	HDM2005-9 #1	146	chromite	878198	3	chromite	0.00	n.a.	2.50	13.20	42.69	0.06	27.95	0.21	0.03	n.a.	13.53	0.00	n.a.	n.a.	n.a.	100.19
49	HDM2005-9 #1	147	chromite	878199	1	chromite	0.06	n.a.	3.37	7.91	44.65	0.05	28.76	0.25	0.10	n.a.	14.13	0.01	n.a.	n.a.	n.a.	99.30
50	HDM2005-9 #1	148	chromite	878199	2	chromite	0.04	n.a.	3.75	8.97	43.05	0.03	28.89	0.53	0.12	n.a.	13.98	0.01	n.a.	n.a.	n.a.	99.38
51	HDM2005-9 #1	149	chromite	878199	3	chromite	0.00	n.a.	4.32	7.93	41.65	0.11	31.85	0.26	0.00	n.a.	13.23	0.00	n.a.	n.a.	n.a.	99.37
52	HDM2005-9 #1	150	chromite	878199	4	chromite	0.06	n.a.	1.84	17.53	41.75	0.09	22.82	0.19	0.07	n.a.	15.54	0.00	n.a.	n.a.	n.a.	99.91
53	HDM2005-9 #1	151	chromite	878199	5	chromite	0.05	n.a.	4.41	8.09	40.53	0.05	32.84	0.25	0.17	n.a.	13.32	0.01	n.a.	n.a.	n.a.	99.76
54	HDM2005-9 #1	152	chromite	878199	6	chromite	0.04	n.a.	3.54	10.16	43.09	0.12	31.05	0.26	0.19	n.a.	11.72	0.00	n.a.	n.a.	n.a.	100.20
55	HDM2005-9 #1	153	chromite	878199	7	chromite	0.05	n.a.	0.41	25.93	44.09	0.11	13.04	0.15	0.13	n.a.	17.75	0.00	n.a.	n.a.	n.a.	101.65
56	HDM2005-9 #1	154	chromite	878199	8	chromite	0.00	n.a.	4.20	8.53	40.37	0.06	31.82	0.24	0.05	n.a.	13.80	0.01	n.a.	n.a.	n.a.	99.10
57	HDM2005-9 #1	155	chromite	878199	9	Cr-spinel	0.09	n.a.	0.66	39.84	26.16	0.13	16.37	0.14	0.18	n.a.	18.12	0.01	n.a.	n.a.	n.a.	101.69
58	HDM2005-9 #1	156	chromite	878199	10	Cr-spinel	0.00	n.a.	0.19	44.80	24.58	0.09	12.22	0.13	0.15	n.a.	19.48	0.00	n.a.	n.a.	n.a.	101.64
59	HDM2005-9 #1	157	chromite	878199	11	chromite	0.02	n.a.	1.96	12.78	46.47	0.13	24.21	0.19	0.02	n.a.	13.38	0.01	n.a.	n.a.	n.a.	99.17
60	HDM2005-9 #1	158	chromite	878199	12	chromite	0.03	n.a.	4.25	7.43	37.55	0.03	38.02	0.39	0.00	n.a.	11.01	0.01	n.a.	n.a.	n.a.	98.73
61	HDM2005-9 #1	159	chromite	878199	13	chromite	0.01	n.a.	1.95	15.44	43.69	0.11	23.66	0.25	0.02	n.a.	14.67	0.00	n.a.	n.a.	n.a.	99.80
62	HDM2005-9 #1	160	chromite	878199	14	Cr-spinel	0.00	n.a.	1.07	33.84	29.30	0.13	19.16	0.15	0.00	n.a.	16.54	0.01	n.a.	n.a.	n.a.	100.20
63	HDM2005-9 #1	161	chromite	878199	15	chromite	0.00	n.a.	2.96	7.63	49.92	0.20	28.54	0.27	0.07	n.a.	10.75	0.00	n.a.	n.a.	n.a.	100.35
64	HDM2005-9 #1	162	chromite	878199	16	chromite	0.04	n.a.	2.08	14.85	47.43	0.12	22.14	0.26	0.08	n.a.	11.32	0.01	n.a.	n.a.	n.a.	98.34
65	HDM2005-9 #1	163	chromite	878199	17	chromite	0.04	n.a.	4.23	8.25	40.47	0.09	32.61	0.32	0.03	n.a.	12.95	0.00	n.a.	n.a.	n.a.	99.02
66	HDM2005-9 #1	164	chromite	878199	18	Cr-spinel	0.00	n.a.	0.64	33.02	33.71	0.12	15.83	0.14	0.00	n.a.	17.27	0.00	n.a.	n.a.	n.a.	100.74
67	HDM2005-9 #1	165	chromite	886902	1	chromite	0.01	n.a.	1.19	19.18	44.77	0.12	20.11	0.19	0.10	n.a.	14.81	0.00	n.a.	n.a.	n.a.	100.49
68	HDM2005-9 #1	166	oxide	886902	2	Mg-ilmenite	0.42	n.a.	45.67	0.00	0.00	0.00	43.44	3.06	0.16	n.a.	3.83	0.01	n.a.	n.a.	n.a.	96.82
69	HDM2005-9 #1	167	oxide	886908	1	Cr-spinel	0.04	n.a.	0.42	38.14	28.98	0.10	15.41	0.15	0.11	n.a.	18.21	0.01	n.a.	n.a.	n.a.	101.57
70	HDM2005-9 #1	168	oxide	886911	1	chromite	0.00	n.a.	6.14	10.52	28.09	0.14	42.00	0.32	0.08	n.a.	10.56	0.00	n.a.	n.a.	n.a.	97.89
71	HDM2005-9 #1	169	oxide	886914	1	chromite	0.00	n.a.	2.20	13.34	45.82	0.16	23.56	0.15	0.00	n.a.	14.61	0.00	n.a.	n.a.	n.a.	99.86
72	HDM2005-9 #1	170	oxide	886919	1	chromite	0.00	n.a.	1.16	22.87	39.77	0.13	20.87	0.18	0.00	n.a.	14.70	0.01	n.a.	n.a.	n.a.	99.70
73	HDM2005-9 #1	171	oxide	886919	2	chromite	0.00	n.a.	0.17	15.77	50.54	0.32	27.09	0.27	0.19	n.a.	5.17	0.01	n.a.	n.a.	n.a.	99.53
n.a.	HDM2005-9 #1	172	oxide	886919	3	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
74	HDM2005-9 #1	173	chromite	886919	4	chromite	0.00	n.a.	5.03	10.11	38.77	0.21	34.53	0.33	0.07	n.a.	11.26	0.00	n.a.	n.a.	n.a.	100.33

75	HDM2005-9 #1	174	oxide	886919	5	chromite	0.01	n.a.	2.01	20.59	41.54	0.19	20.44	0.21	0.12	n.a.	15.13	0.00	n.a.	n.a.	n.a.	100.25
n.a.	HDM2005-9 #1	175	oxide	886919	6	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
76	HDM2005-9 #1	176	oxide	886919	7	Cr-spinel	0.01	n.a.	1.00	29.20	36.28	0.14	17.28	0.22	0.01	n.a.	16.73	0.01	n.a.	n.a.	n.a.	100.90
77	HDM2005-9 #1	177	oxide	886919	8	chromite	0.05	n.a.	2.02	13.38	44.36	0.08	23.97	0.21	0.08	n.a.	14.20	0.40	n.a.	n.a.	n.a.	98.77
78	HDM2005-9 #1	178	chromite	886920	1	chromite	0.00	n.a.	1.60	18.68	41.83	0.18	24.00	0.28	0.07	n.a.	13.83	0.02	n.a.	n.a.	n.a.	100.49
79	HDM2005-9 #1	179	chromite	886922	1	chromite	0.04	n.a.	2.21	14.46	42.13	0.12	27.55	0.26	0.20	n.a.	12.87	0.00	n.a.	n.a.	n.a.	99.87
80	HDM2005-9 #1	180	chromite	886922	2	chromite	0.00	n.a.	1.85	14.95	45.13	0.16	24.38	0.25	0.16	n.a.	13.62	0.01	n.a.	n.a.	n.a.	100.52
81	HDM2005-9 #1	181	chromite	886922	3	chromite	0.00	n.a.	3.67	8.10	44.79	0.02	28.85	0.25	0.00	n.a.	14.28	0.00	n.a.	n.a.	n.a.	99.99
82	HDM2005-9 #1	182	chromite	886922	4	chromite	0.01	n.a.	3.54	11.01	41.08	0.09	30.99	0.29	0.05	n.a.	12.81	0.00	n.a.	n.a.	n.a.	99.90
83	HDM2005-9 #1	183	chromite	886922	5	chromite	0.10	n.a.	5.99	8.18	30.34	0.05	40.37	0.36	0.04	n.a.	13.02	0.02	n.a.	n.a.	n.a.	98.50
84	HDM2005-9 #1	184	chromite	886924	1	chromite	0.00	n.a.	2.45	7.91	48.88	0.04	25.36	0.24	0.03	n.a.	14.68	0.00	n.a.	n.a.	n.a.	99.59
85	HDM2005-9 #1	185	chromite	886924	2	Mg-ilmenite	0.10	n.a.	45.73	0.12	0.01	0.01	44.09	2.17	0.00	n.a.	5.47	0.02	n.a.	n.a.	n.a.	97.94
86	HDM2005-9 #1	186	ilmenite	886939	1	Mg-ilmenite	0.06	n.a.	50.57	0.46	2.46	0.39	31.90	0.24	0.05	n.a.	12.58	0.02	n.a.	n.a.	n.a.	98.97
87	HDM2005-9 #1	187	chromite	886939	2	chromite	0.09	n.a.	4.75	7.07	32.46	0.16	43.96	0.34	0.03	n.a.	10.04	0.01	n.a.	n.a.	n.a.	98.94
88	HDM2005-9 #1	188	chromite	886939	3	chromite	0.02	n.a.	3.19	8.40	44.37	0.11	32.75	0.31	0.13	n.a.	10.82	0.00	n.a.	n.a.	n.a.	100.11
89	HDM2005-9 #1	189	oxide	886943	1	tourmaline	0.03	n.a.	0.28	36.63	0.01	0.04	12.63	0.23	0.16	n.a.	4.56	0.52	n.a.	n.a.	n.a.	55.09
90	HDM2005-9 #1	190	oxide	886943	2	chromite	0.00	n.a.	1.25	25.92	39.40	0.16	17.98	0.15	0.01	n.a.	15.68	0.01	n.a.	n.a.	n.a.	100.57
91	HDM2005-9 #1	191	ilmenite	886948	1	Mg-ilmenite	0.16	n.a.	52.05	0.43	1.97	0.34	29.07	0.30	0.00	n.a.	14.19	0.02	n.a.	n.a.	n.a.	98.81
92	HDM2005-9 #1	192	chromite	886948	2	Ilmenite	0.08	n.a.	48.86	0.00	0.15	0.15	46.33	0.36	0.02	n.a.	2.72	0.00	n.a.	n.a.	n.a.	98.90
93	HDM2005-9 #1	193	ilmenite	887459	1	Mg-ilmenite	0.23	n.a.	46.23	0.50	0.78	0.44	40.46	0.28	0.00	n.a.	9.16	0.00	n.a.	n.a.	n.a.	98.31
n.a.	HDM2005-9 #1	194	oxide	887460	1	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
94	HDM2005-9 #1	195	oxide	887462	1	chromite	0.00	n.a.	3.47	12.46	37.82	0.14	34.17	0.30	0.13	n.a.	11.56	0.00	n.a.	n.a.	n.a.	100.08
95	HDM2005-9 #1	196	chromite	887463	1	chromite	0.01	n.a.	1.68	13.72	48.55	0.17	22.15	0.22	0.00	n.a.	13.87	0.01	n.a.	n.a.	n.a.	100.38
96	HDM2005-9 #1	197	oxide	887463	2	chromite	0.00	n.a.	3.01	8.29	47.13	0.07	27.68	0.28	0.09	n.a.	13.73	0.01	n.a.	n.a.	n.a.	100.31
97	HDM2005-9 #1	198	chromite	887464	1	chromite	0.00	n.a.	2.98	15.78	35.63	0.11	33.10	0.23	0.00	n.a.	12.55	0.00	n.a.	n.a.	n.a.	100.39
98	HDM2005-9 #1	199	chromite	887464	2	Mg-ilmenite	0.32	n.a.	46.12	0.02	0.01	0.04	43.69	2.72	0.19	n.a.	4.36	0.01	n.a.	n.a.	n.a.	97.71
99	HDM2005-9 #2	200	oxide	887471	1	chromite	0.00	n.a.	2.50	15.09	39.44	0.15	28.96	0.25	0.07	n.a.	13.23	0.00	n.a.	n.a.	n.a.	99.72
100	HDM2005-9 #2	201	oxide	887474	1	Mg-ilmenite	0.19	n.a.	50.35	0.51	1.21	0.34	33.39	0.26	0.00	n.a.	12.22	0.02	n.a.	n.a.	n.a.	98.73
101	HDM2005-9 #2	202	ilmenite	887476	1	Mg-ilmenite	0.15	n.a.	49.42	0.00	0.96	0.24	37.40	0.32	0.26	n.a.	9.31	0.01	n.a.	n.a.	n.a.	98.31
102	HDM2005-9 #2	203	ilmenite	887476	2	Mg-ilmenite	0.00	n.a.	47.75	0.21	0.26	0.04	40.43	0.41	0.00	n.a.	8.80	0.05	n.a.	n.a.	n.a.	98.19
103	HDM2005-9 #2	204	chromite	887476	3	Cr-spinel	0.08	n.a.	0.91	31.40	33.26	0.10	18.47	0.15	0.03	n.a.	16.20	0.01	n.a.	n.a.	n.a.	100.61
104	HDM2005-9 #2	205	chromite	887476	4	chromite	0.02	n.a.	2.60	12.95	41.52	0.09	29.48	0.27	0.00	n.a.	12.89	0.01	n.a.	n.a.	n.a.	99.83
105	HDM2005-9 #2	206	chromite	887476	5	chromite	0.04	n.a.	0.31	15.43	52.57	0.12	21.54	0.40	0.18	n.a.	11.01	0.01	n.a.	n.a.	n.a.	101.61
106	HDM2005-9 #2	207	chromite	887476	6	chromite	0.01	n.a.	0.19	11.81	50.22	0.15	32.73	0.42	1.02	n.a.	4.64	0.00	n.a.	n.a.	n.a.	101.19
n.a.	HDM2005-9 #2	208	chromite	887476	7	ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
107	HDM2005-9 #2	209	chromite	887479	1	chromite	0.05	n.a.	1.91	21.14	36.97	0.19	26.27	0.22	0.00	n.a.	13.46	0.01	n.a.	n.a.	n.a.	100.22
108	HDM2005-9 #2	210	ilmenite	887483	2	Mg-ilmenite	0.00	n.a.	47.36	0.22	0.17	0.15	41.09	0.45	0.00	n.a.	7.83	0.04	n.a.	n.a.	n.a.	97.55
n.a.	HDM2005-9 #2	211	ilmenite	887483	3	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
109	HDM2005-9 #2	212	ilmenite	887483	4	Mg-ilmenite	0.00	n.a.	51.02	0.09	0.29	0.01	36.29	0.42	0.00	n.a.	9.89	0.04	n.a.	n.a.	n.a.	98.31
110	HDM2005-9 #2	213	ilmenite	887483	5	Mg-ilmenite	0.16	n.a.	48.79	0.00	1.13	0.16	41.28	0.45	0.00	n.a.	5.91	0.00	n.a.	n.a.	n.a.	98.12
111	HDM2005-9 #2	214	ilmenite	887483	6	Mg-ilmenite	0.09	n.a.	48.71	0.24	0.42	0.22	39.19	0.33	0.00	n.a.	8.08	0.02	n.a.	n.a.	n.a.	97.54
n.a.	HDM2005-9 #2	215	ilmenite	887483	7	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 #2	216	ilmenite	887483	8	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
112	HDM2005-9 #2	217	ilmenite	887483	9	Mg-ilmenite	0.07	n.a.	51.28	0.37	0.53	0.27	33.31	0.30	0.00	n.a.	11.69	0.02	n.a.	n.a.	n.a.	98.11
113	HDM2005-9 #2	218	ilmenite	887483	10	Mg-ilmenite	0.19	n.a.	44.04	0.14	0.00	0.04	46.10	1.59	0.00	n.a.	4.64	0.01	n.a.	n.a.	n.a.	96.97
114	HDM2005-9 #2	219	ilmenite	887483	11	Mg-ilmenite	0.08	n.a.	47.37	0.24	0.20	0.08	41.46	0.40	0.01	n.a.	8.10	0.05	n.a.	n.a.	n.a.	98.23
115	HDM2005-9 #2	220	chromite	887483	12	chromite	0.00	n.a.	4.47	8.47	38.02	0.12	35.72	0.31	0.05	n.a.	11.25	0.01	n.a.	n.a.	n.a.	98.44
116	HDM2005-9 #2	221	chromite	887483	13	Cr-spinel	0.02	n.a.	1.03	31.03	33.54	0.08	18.64	0.18	0.00	n.a.	16.37	0.01	n.a.	n.a.	n.a.	100.88
117	HDM2005-9 #2	222	ilmenite	887486	1	Mg-ilmenite	0.19	n.a.	46.70	0.21	0.28	0.32	39.73	0.22	0.14	n.a.	9.59	0.02	n.a.	n.a.	n.a.	97.63
118	HDM2005-9 #2	223	ilmenite	887486	2	Mg-ilmenite	0.01	n.a.	47.02	0.73	0.09	0.18	42.07	0.35	0.10	n.a.	7.18	0.03	n.a.	n.a.	n.a.	97.99
119	HDM2005-9 #2	224	ilmenite	887486	3	Mg-ilmenite	0.06	n.a.	50.83	0.00	0.00	0.04	38.69	1.04	0.01	n.a.	7.37	0.01	n.a.	n.a.	n.a.	98.31
120	HDM2005-9 #2	225	ilmenite	887486	4	Mg-ilmenite	0.28	n.a.	46.26	0.00	0.00	0.00	43.79	3.12	0.18	n.a.	3.88	0.00	n.a.	n.a.	n.a.	97.72
n.a.	HDM2005-9 #2	226	chromite	887486	5	ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
121	HDM2005-9 #2	227	chromite	887486	6	chromite	0.02	n.a.	2.62	8.99	50.78	0.06	22.20	0.21	0.00	n.a.	13.10	0.00	n.a.	n.a.	n.a.	97.99
122	HDM2005-9 #2	228	ilmenite	887487	1	Mg-ilmenite	0.07	n.a.	44.87	0.21	0.02	0.13	44.95	0.42	0.12	n.a.	6.38	0.02	n.a.	n.a.	n.a.	97.42
123	HDM2005-9 #2	229	chromite	887487	2	chromite	0.00	n.a.	4.50	8.99	39.83	0.06	29.79	0.24	0.00	n.a.	15.52	0.01	n.a.	n.a.	n.a.	98.96
124	HDM2005-9 #2	230	chromite	887493	1	Cr-spinel	0.00	n.a.	0.84	35.71	29.73	0.09	16.32	0.19	0.07	n.a.	17.59	0.00	n.a.	n.a.	n.a.	100.54
125	HDM2005-9 #2	231	chromite	887493	2	Cr-spinel	0.00	n.a.	1.31	27.93	33.48	0.18	22.35	0.20	0.18	n.a.	15.13	0.00	n.a.	n.a.	n.a.	100.78

126	HDM2005-9 #2	232	oxide	887493	3	Cr-spinel	0.08	n.a.	0.89	33.53	33.39	0.15	16.97	0.14	0.09	n.a.	15.92	0.00	n.a.	n.a.	n.a.	101.18
127	HDM2005-9 #2	233	ilmenite	887495	1	Mg-ilmenite	0.12	n.a.	48.76	0.03	0.14	0.11	40.48	0.38	0.00	n.a.	7.34	0.01	n.a.	n.a.	n.a.	97.62
128	HDM2005-9 #2	234	ilmenite	887495	2	Mg-ilmenite	0.11	n.a.	49.40	0.42	1.36	0.36	34.36	0.24	0.01	n.a.	11.42	0.02	n.a.	n.a.	n.a.	97.95
129	HDM2005-9 #2	235	ilmenite	887495	3	Mg-ilmenite	0.13	n.a.	41.55	0.34	0.12	0.26	49.75	0.32	0.00	n.a.	4.53	0.01	n.a.	n.a.	n.a.	97.20
130	HDM2005-9 #2	236	chromite	887495	4	chromite	0.00	n.a.	3.28	7.60	47.70	0.09	27.53	0.23	0.00	n.a.	13.05	0.01	n.a.	n.a.	n.a.	99.51
131	HDM2005-9 #2	237	chromite	887495	5	chromite	0.01	n.a.	3.09	9.48	47.24	0.03	25.69	0.33	0.11	n.a.	13.63	0.01	n.a.	n.a.	n.a.	99.64
132	HDM2005-9 #2	238	chromite	887495	6	chromite	0.00	n.a.	2.05	14.54	42.31	0.15	26.77	0.24	0.10	n.a.	13.32	0.01	n.a.	n.a.	n.a.	99.51
133	HDM2005-9 #2	239	chromite	887495	7	Cr-spinel	0.00	n.a.	1.79	31.81	27.73	0.16	23.89	0.22	0.11	n.a.	15.11	0.00	n.a.	n.a.	n.a.	100.82
134	HDM2005-9 #2	240	chromite	887495	8	chromite	0.06	n.a.	2.73	19.42	37.13	0.21	26.86	0.20	0.09	n.a.	13.53	0.00	n.a.	n.a.	n.a.	100.24
n.a.	HDM2005-9 #2	241	chromite	887495	9	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
135	HDM2005-9 #2	242	chromite	887495	10	Cr-spinel	0.02	n.a.	0.10	47.43	20.05	0.12	14.54	0.14	0.12	n.a.	18.90	0.00	n.a.	n.a.	n.a.	101.42
n.a.	HDM2005-9 #2	243	ilmenite	887863	2	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 #2	244	ilmenite	887863	3	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
136	HDM2005-9 #2	245	chromite	887863	4	Mg-ilmenite	0.32	n.a.	58.72	0.00	0.00	0.00	17.08	0.59	0.06	n.a.	21.24	0.00	n.a.	n.a.	n.a.	98.29
137	HDM2005-9 #2	246	chromite	887863	5	chromite	0.01	n.a.	3.49	9.15	46.09	0.04	26.57	0.28	0.05	n.a.	13.61	0.00	n.a.	n.a.	n.a.	99.31
138	HDM2005-9 #2	247	chromite	887863	6	Cr-spinel	0.00	n.a.	0.48	40.52	26.88	0.09	14.46	0.16	0.04	n.a.	18.49	0.01	n.a.	n.a.	n.a.	101.13
139	HDM2005-9 #2	248	ilmenite	887867	1	Mg-ilmenite	0.07	n.a.	50.43	0.23	0.23	0.14	37.68	0.37	0.14	n.a.	9.09	0.04	n.a.	n.a.	n.a.	98.68
n.a.	HDM2005-9 #2	249	ilmenite	887867	2	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 #2	250	oxide	887868	1	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
140	HDM2005-9 #2	251	ilmenite	887868	2	chromite	0.01	n.a.	1.68	17.86	42.77	0.12	22.06	0.18	0.01	n.a.	14.99	0.00	n.a.	n.a.	n.a.	99.68
141	HDM2005-9 #2	252	oxide	887868	3	Mg-ilmenite	0.38	n.a.	46.77	0.00	0.01	0.04	43.55	3.49	0.13	n.a.	3.31	0.01	n.a.	n.a.	n.a.	97.92
142	HDM2005-9 #2	253	ilmenite	887870	1	Mg-ilmenite	0.34	n.a.	42.67	0.41	1.08	0.47	44.56	0.26	0.08	n.a.	7.40	0.02	n.a.	n.a.	n.a.	97.52
143	HDM2005-9 #2	254	chromite	887870	2	chromite	0.05	n.a.	2.63	8.05	47.04	0.06	25.70	0.22	0.05	n.a.	14.86	0.00	n.a.	n.a.	n.a.	98.70
n.a.	HDM2005-9 #2	255	chromite	887870	3	ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
144	HDM2005-9 #2	256	oxide	887870	4	chromite	0.00	n.a.	3.72	9.85	44.60	0.18	30.16	0.30	0.04	n.a.	11.44	0.00	n.a.	n.a.	n.a.	100.32
n.a.	HDM2005-9 #2	257	oxide	887870	5	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
147	HDM2005-9 # 2	258	oxide	887870	6	Mg-ilmenite	0.05	n.a.	49.98	0.21	0.07	0.06	38.31	0.39	0.01	n.a.	9.03	0.04	n.a.	n.a.	n.a.	98.40
148	HDM2005-9 # 2	259	oxide	887870	7	chromite	0.00	n.a.	3.55	9.11	48.09	0.16	25.48	0.25	0.10	n.a.	12.95	0.01	n.a.	n.a.	n.a.	99.72
149	HDM2005-9 # 2	260	oxide	887870	8	Mg-ilmenite	0.34	n.a.	45.41	0.05	0.02	0.00	44.16	2.59	0.09	n.a.	4.53	0.02	n.a.	n.a.	n.a.	97.40
150	HDM2005-9 # 2	261	chromite	887871	1	chromite	0.01	n.a.	4.13	8.57	45.76	0.06	27.45	0.26	0.14	n.a.	12.41	0.01	n.a.	n.a.	n.a.	98.83
n.a.	HDM2005-9 # 2	262	oxide	887871	2	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 # 2	263	oxide	887872	1	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 # 2	264	oxide	887873	1	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 # 2	265	oxide	887874	1	ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
151	HDM2005-9 # 2	266	chromite	887875	1	chromite	0.01	n.a.	1.73	15.87	45.71	0.36	27.43	0.25	0.19	n.a.	9.09	0.00	n.a.	n.a.	n.a.	100.64
n.a.	HDM2005-9 # 2	267	ilmenite	887877	1	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 # 2	268	oxide	887877	2	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM2005-9 # 2	269	oxide	887879	1	ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
9	HDM205-10 #1	1	chromite	887491	1	chromite	0.00	n.a.	2.79	11.98	42.44	0.14	28.59	0.24	0.11	n.a.	13.18	0.01	n.a.	n.a.	n.a.	99.50
10	HDM205-10 #2	2	chromite	887491	2	chromite	0.06	n.a.	5.83	6.95	41.31	0.24	34.80	0.33	0.23	n.a.	9.45	0.01	n.a.	n.a.	n.a.	99.24
11	HDM205-10 #3	3	chromite	887491	3	Mg-ilmenite	0.07	n.a.	48.86	0.18	1.53	0.00	37.34	0.36	0.00	n.a.	9.59	0.02	n.a.	n.a.	n.a.	98.26
12	HDM205-10 #4	4	ilmenite	887492	1	Mg-ilmenite	0.22	n.a.	47.13	0.58	0.74	0.33	37.48	0.26	0.00	n.a.	10.78	0.00	n.a.	n.a.	n.a.	97.84
13	HDM205-10 #5	5	chromite	887494	1	chromite	0.05	n.a.	2.00	17.82	39.68	0.19	25.87	0.23	0.00	n.a.	13.67	0.01	n.a.	n.a.	n.a.	99.54
14	HDM205-10 #6	6	chromite	887496	1	chromite	0.07	n.a.	4.30	9.29	40.96	0.15	36.66	0.42	0.12	n.a.	7.52	0.00	n.a.	n.a.	n.a.	99.53
15	HDM205-10 #7	7	chromite	887496	2	chromite	0.04	n.a.	3.26	8.00	45.52	0.05	28.52	0.33	0.01	n.a.	13.33	0.00	n.a.	n.a.	n.a.	99.08
16	HDM205-10 #8	8	ilmenite	887496	3	Mg-ilmenite	0.00	n.a.	47.97	0.30	1.26	0.00	38.54	0.39	0.07	n.a.	9.55	0.02	n.a.	n.a.	n.a.	98.36
17	HDM205-10 #9	9	chromite	887499	1	chromite	0.05	n.a.	3.37	10.89	39.92	0.16	32.29	0.27	0.08	n.a.	11.58	0.00	n.a.	n.a.	n.a.	98.64
18	HDM205-10 #1	10	chromite	887500	1	Cr-spinel	0.00	n.a.	1.04	30.76	33.65	0.11	17.22	0.17	0.19	n.a.	16.83	0.00	n.a.	n.a.	n.a.	99.97
19	HDM205-10 #1	11	chromite	887597	1	Cr-spinel	0.01	n.a.	1.73	26.00	34.45	0.19	21.93	0.15	0.00	n.a.	15.07	0.00	n.a.	n.a.	n.a.	99.55
20	HDM205-10 #1	12	chromite	887597	2	chromite	0.03	n.a.	1.78	18.78	41.18	0.15	23.56	0.16	0.11	n.a.	13.35	0.01	n.a.	n.a.	n.a.	99.12
21	HDM205-10 #1	13	chromite	887597	3	chromite	0.00	n.a.	4.35	9.35	39.00	0.17	34.15	0.28	0.00	n.a.	11.30	0.00	n.a.	n.a.	n.a.	98.64
22	HDM205-10 #1	14	ilmenite	887864	1	Mg-ilmenite	0.34	n.a.	47.54	0.00	1.39	0.33	39.32	0.29	0.07	n.a.	8.71	0.02	n.a.	n.a.	n.a.	98.34
23	HDM205-10 #1	15	chromite	887956	1	chromite	0.00	n.a.	2.13	16.06	41.81	0.07	24.86	0.22	0.07	n.a.	14.60	0.01	n.a.	n.a.	n.a.	99.86
24	HDM205-10 #1	16	chromite	887956	2	chromite	0.02	n.a.	2.94	7.79	48.25	0.07	26.00	0.23	0.00	n.a.	13.88	0.01	n.a.	n.a.	n.a.	99.21
25	HDM205-10 #1	17	oxide	887960	1	chromite	0.00	n.a.	3.85	7.63	43.65	0.08	30.34	0.30	0.00	n.a.	12.85	0.01	n.a.	n.a.	n.a.	98.75
26	HDM205-10 #1	18	chromite	887961	1	chromite	0.06	n.a.	1.33	15.89	46.12	0.10	21.47	0.21	0.12	n.a.	14.65	0.00	n.a.	n.a.	n.a.	99.97
27	HDM205-10 #1	19	chromite	887961	2	chromite	0.04	n.a.	3.85	8.84	44.02	0.11	31.22	0.48	0.14	n.a.	11.33	0.00	n.a.	n.a.	n.a.	100.06
28	HDM205-10 #2	20	chromite	887961	3	chromite	0.01	n.a.	3.43	10.67	44.36	0.12	29.19	0.25	0.23	n.a.	11.75	0.01	n.a.	n.a.	n.a.	100.04

83	HDM205-10 #7	79	chromite	91635	4	chromite	0.00	n.a.	4.39	8.83	41.53	0.14	31.60	0.34	0.07	n.a.	11.35	0.00	n.a.	n.a.	n.a.	98.27
84	HDM205-10 #8	80	chromite	91636	1	chromite	0.00	n.a.	4.62	10.29	39.39	0.18	32.20	0.29	0.03	n.a.	12.02	0.00	n.a.	n.a.	n.a.	99.04
86	HDM205-10 #8	81	chromite	91636	2	chromite	0.03	n.a.	4.61	10.30	39.37	0.13	32.66	0.32	0.14	n.a.	11.99	0.00	n.a.	n.a.	n.a.	99.57
85	HDM205-10 #8	82	Ilmenite	91636	3	Mg-ilmenite	0.04	n.a.	50.20	0.23	0.64	0.00	36.32	0.37	0.00	n.a.	10.08	0.06	n.a.	n.a.	n.a.	98.19
87	HDM205-10 #8	83	chromite	91641	3	Mg-ilmenite	0.15	n.a.	46.66	0.04	0.01	0.00	43.19	2.48	0.00	n.a.	4.78	0.00	n.a.	n.a.	n.a.	97.57
88	HDM205-10 #8	84	chromite	91641	4	chromite	0.04	n.a.	1.68	19.25	40.48	0.14	23.35	0.23	0.00	n.a.	14.41	0.00	n.a.	n.a.	n.a.	99.60
89	HDM205-10 #8	85	chromite	91641	5	chromite	0.05	n.a.	1.98	17.08	39.76	0.14	25.85	0.21	0.06	n.a.	13.93	0.00	n.a.	n.a.	n.a.	99.07
n.a.	HDM205-10 #8	86	chromite	91641	6	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
90	HDM205-10 #8	87	chromite	91641	7	chromite	0.00	n.a.	5.11	6.96	31.31	0.13	43.72	0.32	0.22	n.a.	10.24	0.01	n.a.	n.a.	n.a.	98.06
77	HDM205-10 #8	88	chromite	91644	2	chromite	0.00	n.a.	4.47	7.07	42.10	0.07	31.42	0.32	0.00	n.a.	12.73	0.00	n.a.	n.a.	n.a.	98.21
91	HDM205-10 #8	89	Ilmenite	91644	3	Mg-ilmenite	0.00	n.a.	49.65	0.14	1.10	0.00	36.88	0.39	0.00	n.a.	10.00	0.04	n.a.	n.a.	n.a.	98.43
n.a.	HDM205-10 #9	90	chromite	91803	2	*not exposed*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	HDM205-10 #9	91	chromite	91803	3	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
92	HDM205-10 #9	92	chromite	877769	1	chromite	0.00	n.a.	1.99	16.55	43.34	0.06	22.13	0.23	0.06	n.a.	15.23	0.00	n.a.	n.a.	n.a.	99.62
93	HDM205-10 #9	93	chromite	887896	1	chromite	0.00	n.a.	2.32	13.98	42.19	0.13	26.66	0.18	0.04	n.a.	13.23	0.00	n.a.	n.a.	n.a.	98.75
94	HDM205-10 #9	94	chromite	887900	1	Mg-ilmenite	0.10	n.a.	50.92	0.38	1.66	0.16	34.31	0.32	0.16	n.a.	10.72	0.02	n.a.	n.a.	n.a.	99.10
95	HDM205-10 #9	95	chromite	887964	1	chromite	0.00	n.a.	2.31	7.70	54.78	0.08	22.38	0.20	0.07	n.a.	9.93	0.01	n.a.	n.a.	n.a.	97.48
96	HDM205-10 #9	96	chromite	887964	2	chromite	0.05	n.a.	4.69	6.85	41.64	0.08	33.09	0.27	0.05	n.a.	11.80	0.00	n.a.	n.a.	n.a.	98.56
97	HDM205-10 #9	97	chromite	887964	3	Cr-spinel	0.04	n.a.	0.58	34.51	32.86	0.11	14.11	0.17	0.08	n.a.	17.86	0.01	n.a.	n.a.	n.a.	100.34
98	HDM205-10 #9	98	oxide	887965	1	Mg-ilmenite	0.22	n.a.	51.01	0.00	0.39	0.07	38.64	0.38	0.19	n.a.	8.07	0.01	n.a.	n.a.	n.a.	99.32
99	HDM205-10 #9	99	ilmenite	887967	1	Mg-ilmenite	0.14	n.a.	50.24	0.26	0.32	0.17	37.56	0.36	0.05	n.a.	9.26	0.01	n.a.	n.a.	n.a.	98.72
100	HDM205-10 #1	100	chromite	887968	1	chromite	0.04	n.a.	4.50	8.83	40.19	0.14	31.84	0.29	0.12	n.a.	12.26	0.00	n.a.	n.a.	n.a.	98.23
101	HDM205-10 #1	101	ilmenite	887969	1	Mg-ilmenite	0.06	n.a.	47.35	0.10	0.01	0.02	43.74	0.43	0.01	n.a.	5.62	0.02	n.a.	n.a.	n.a.	97.71
102	HDM205-10 #1	102	ilmenite	887971	1	Mg-ilmenite	0.08	n.a.	49.77	0.27	0.90	0.07	37.35	0.28	0.00	n.a.	9.15	0.01	n.a.	n.a.	n.a.	98.23
103	HDM205-10 #1	103	chromite	887971	2	Cr-spinel	0.03	n.a.	0.66	35.77	30.48	0.12	13.96	0.16	0.05	n.a.	18.21	0.01	n.a.	n.a.	n.a.	99.45
104	HDM205-10 #1	104	oxide	887972	1	chromite	0.00	n.a.	3.11	18.60	35.37	0.18	29.09	0.24	0.00	n.a.	12.36	0.00	n.a.	n.a.	n.a.	98.97
105	HDM205-10 #1	105	chromite	887973	1	Mg-ilmenite	0.34	n.a.	47.40	0.00	0.00	0.00	43.08	3.55	0.09	n.a.	3.49	0.02	n.a.	n.a.	n.a.	98.20
n.a.	HDM205-10 #1	106	oxide	887973	2	Ilmenite (alt.)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
106	HDM205-10 #1	107	oxide	887973	3	chromite	0.00	n.a.	0.69	9.24	60.22	0.35	17.14	0.28	0.13	n.a.	12.16	0.01	n.a.	n.a.	n.a.	100.23
107	HDM205-10 #1	108	chromite	887984	1	chromite	0.00	n.a.	3.72	9.90	44.28	0.14	29.08	0.24	0.20	n.a.	11.32	0.00	n.a.	n.a.	n.a.	98.91
108	HDM205-10 #1	109	chromite	887986	1	chromite	0.03	n.a.	1.56	20.86	40.91	0.17	21.64	0.18	0.00	n.a.	12.60	0.01	n.a.	n.a.	n.a.	97.98
109	HDM205-10 #1	110	oxide	887987	1	Mg-ilmenite	0.14	n.a.	44.87	0.00	0.00	0.00	45.13	2.63	0.08	n.a.	3.93	0.00	n.a.	n.a.	n.a.	97.02
110	HDM205-10 #1	111	ilmenite	887988	1	Mg-ilmenite	0.29	n.a.	46.66	0.42	0.91	0.33	39.81	0.25	0.00	n.a.	8.91	0.02	n.a.	n.a.	n.a.	97.93
111	HDM205-10 #1	112	chromite	887991	1	chromite	0.01	n.a.	1.68	18.05	41.39	0.10	21.86	0.17	0.01	n.a.	15.52	0.00	n.a.	n.a.	n.a.	98.81
112	HDM205-10 #1	113	oxide	887993	1	chromite	0.00	n.a.	3.32	9.34	41.97	0.09	32.25	0.35	0.03	n.a.	10.92	0.00	n.a.	n.a.	n.a.	98.31
113	HDM205-10 #1	114	oxide	887994	1	chromite	0.00	n.a.	1.67	15.70	43.26	0.14	25.35	0.22	0.05	n.a.	12.86	0.00	n.a.	n.a.	n.a.	99.27
114	HDM205-10 #1	115	oxide	887994	2	chromite	0.00	n.a.	2.37	8.77	51.47	0.12	25.33	0.25	0.16	n.a.	9.19	0.00	n.a.	n.a.	n.a.	97.69
115	HDM205-10 #1	116	chromite	887994	3	chromite	0.05	n.a.	1.60	16.45	43.87	0.14	22.19	0.25	0.05	n.a.	14.59	0.01	n.a.	n.a.	n.a.	99.21
116	HDM205-10 #1	117	oxide	887994	4	hercynite	0.01	n.a.	0.03	63.19	0.22	0.04	21.13	0.11	0.10	n.a.	15.69	0.00	n.a.	n.a.	n.a.	100.53
117	HDM205-10 #1	118	chromite	887995	1	chromite	0.00	n.a.	2.06	11.67	46.46	0.11	25.78	0.24	0.00	n.a.	12.25	0.00	n.a.	n.a.	n.a.	98.59
118	HDM205-10 #1	119	chromite	887996	1	chromite	0.01	n.a.	3.55	8.55	45.43	0.12	27.14	0.29	0.09	n.a.	12.86	0.00	n.a.	n.a.	n.a.	98.06
119	HDM205-10 #1	120	chromite	887997	1	chromite	0.00	n.a.	2.90	15.34	41.79	0.18	24.69	0.20	0.00	n.a.	13.72	0.00	n.a.	n.a.	n.a.	98.85
120	HDM205-10 #1	121	chromite	888053	1	chromite	0.00	n.a.	4.93	8.52	36.96	0.09	31.60	0.30	0.00	n.a.	14.97	0.01	n.a.	n.a.	n.a.	97.41
121	HDM205-10 #1	122	chromite	888053	2	chromite	0.05	n.a.	4.18	8.19	39.77	0.05	32.48	0.26	0.07	n.a.	13.26	0.00	n.a.	n.a.	n.a.	98.34
122	HDM205-10 #1	123	chromite	888057	1	Mg-ilmenite	0.00	n.a.	48.47	0.30	4.40	0.03	34.99	0.23	0.07	n.a.	10.04	0.01	n.a.	n.a.	n.a.	98.88
123	HDM205-10 #1	124	chromite	888057	2	chromite	0.02	n.a.	1.28	22.33	42.51	0.14	16.95	0.16	0.00	n.a.	16.10	0.01	n.a.	n.a.	n.a.	99.52
124	HDM205-10 #1	125	ilmenite	888057	3	Mg-ilmenite	0.00	n.a.	48.00	0.26	0.24	0.00	39.92	0.41	0.00	n.a.	8.45	0.04	n.a.	n.a.	n.a.	97.65
125	HDM205-10 #1	126	chromite	888065	1	Cr-spinel	0.04	n.a.	1.42	28.27	31.76	0.16	21.85	0.16	0.10	n.a.	15.09	0.00	n.a.	n.a.	n.a.	98.86
126	HDM205-10 #1	127	chromite	888065	2	Cr-spinel	0.00	n.a.	1.72	31.46	28.10	0.15	22.69	0.24	0.07	n.a.	15.15	0.00	n.a.	n.a.	n.a.	99.58
127	HDM205-10 #1	128	oxide	888065	3	chromite	0.00	n.a.	5.52	9.69	37.59	0.12	33.78	0.33	0.13	n.a.	10.97	0.00	n.a.	n.a.	n.a.	98.17
128	HDM205-10 #1	129	chromite	888068	1	Cr-spinel	0.00	n.a.	0.82	33.92	31.87	0.11	15.32	0.16	0.02	n.a.	17.34	0.00	n.a.	n.a.	n.a.	99.56
129	HDM205-10 #1	130	chromite	888068	2	chromite	0.00	n.a.	2.35	14.80	40.24	0.17	28.75	0.24	0.06	n.a.	12.65	0.00	n.a.	n.a.	n.a.	99.26
130	HDM205-10 #1	131	chromite	888068	3	Mg-ilmenite	0.25	n.a.	45.65	0.06	0.00	0.00	44.55	2.25	0.13	n.a.	4.88	0.02	n.a.	n.a.	n.a.	98.05
131	HDM205-10 #1	132	chromite	888068	4	chromite	0.04	n.a.	2.73	9.12	49.93	0.07	22.32	0.23	0.05	n.a.	14.88	0.00	n.a.	n.a.	n.a.	99.40
132	HDM205-10 #1	133	chromite	888068	5	chromite	0.00	n.a.	6.59	7.43	28.20	0.08	43.67	0.40	0.03	n.a.	11.08	0.01	n.a.	n.a.	n.a.	97.54
133	HDM205-10 #1	134	chromite	888069	1	chromite	0.03	n.a.	3.09	8.14	46.91	0.04	26.90	0.24	0.02	n.a.	13.67	0.00	n.a.	n.a.	n.a.	99.07
134	HDM205-10 #1	135	ilmenite	888069	2	ilmenite	0.03	n.a.	49.75	0.00	0.22	0.07	44.81	0.28	0.04	n.a.	2.76	0.00	n.a.	n.a.	n.a.	98.31
135	HDM205-10 #1	136	chromite	888071	1	chromite	0.00	n.a.	3.86	9.54	39.05	0.17	36.76	0.38	0.01	n.a.	9.09	0.01	n.a.	n.a.	n.a.	98.88

29	HDM205-10 #2	21	chromite	887961	4	chromite	0.00	n.a.	3.46	21.32	33.96	0.23	27.67	0.22	0.05	n.a.	12.94	0.00	n.a.	n.a.	n.a.	99.86
30	HDM205-10 #2	22	chromite	887963	1	chromite	0.00	n.a.	2.25	15.16	40.13	0.12	28.96	0.22	0.20	n.a.	12.93	0.02	n.a.	n.a.	n.a.	100.01
31	HDM205-10 #2	23	chromite	887981	1	chromite	0.00	n.a.	1.50	17.31	48.55	0.11	19.10	0.17	0.11	n.a.	12.18	0.00	n.a.	n.a.	n.a.	99.03
32	HDM205-10 #2	24	chromite	887981	2	Mg-ilmenite	0.23	n.a.	46.99	0.02	0.54	0.33	42.47	0.31	0.12	n.a.	6.88	0.02	n.a.	n.a.	n.a.	98.23
33	HDM205-10 #2	25	chromite	887985	1	chromite	0.00	n.a.	4.98	6.44	31.37	0.10	44.61	0.32	0.16	n.a.	10.11	0.02	n.a.	n.a.	n.a.	98.15
34	HDM205-10 #2	26	chromite	887990	1	chromite	0.00	n.a.	1.68	10.76	52.21	0.16	21.62	0.24	0.10	n.a.	12.21	0.01	n.a.	n.a.	n.a.	99.00
35	HDM205-10 #2	27	chromite	887990	2	chromite	0.02	n.a.	3.72	9.77	44.86	0.11	27.81	0.21	0.14	n.a.	13.05	0.01	n.a.	n.a.	n.a.	99.72
36	HDM205-10 #2	28	chromite	887990	3	chromite	0.00	n.a.	1.25	23.30	40.46	0.20	20.48	0.18	0.04	n.a.	12.89	0.00	n.a.	n.a.	n.a.	98.81
37	HDM205-10 #2	29	chromite	887990	4	chromite	0.00	n.a.	1.77	16.54	41.82	0.20	26.42	0.26	0.00	n.a.	12.70	0.00	n.a.	n.a.	n.a.	99.72
38	HDM205-10 #3	30	chromite	887990	5	chromite	0.00	n.a.	3.08	10.34	44.08	0.12	31.20	0.32	0.08	n.a.	10.47	0.00	n.a.	n.a.	n.a.	99.72
39	HDM205-10 #3	31	chromite	887990	6	chromite	0.00	n.a.	1.91	16.15	45.48	0.13	23.29	0.25	0.10	n.a.	11.21	0.00	n.a.	n.a.	n.a.	98.53
40	HDM205-10 #3	32	chromite	887998	1	chromite	0.00	n.a.	2.56	9.69	47.16	0.16	28.08	0.26	0.00	n.a.	11.87	0.00	n.a.	n.a.	n.a.	99.80
41	HDM205-10 #3	33	chromite	887998	2	Mg-ilmenite	0.22	n.a.	50.32	0.15	0.59	0.00	36.49	0.39	0.15	n.a.	9.91	0.03	n.a.	n.a.	n.a.	98.52
42	HDM205-10 #3	34	chromite	887998	3	Cr-spinel	0.03	n.a.	0.61	28.94	39.59	0.13	14.06	0.13	0.03	n.a.	15.13	0.01	n.a.	n.a.	n.a.	98.67
43	HDM205-10 #3	35	chromite	888063	1	Cr-spinel	0.00	n.a.	0.60	31.53	33.88	0.11	16.10	0.16	0.11	n.a.	17.14	0.01	n.a.	n.a.	n.a.	99.63
44	HDM205-10 #3	36	chromite	888063	2	chromite	0.00	n.a.	4.33	8.92	43.04	0.16	31.61	0.35	0.15	n.a.	10.57	0.00	n.a.	n.a.	n.a.	99.17
45	HDM205-10 #3	37	chromite	888067	1	chromite	0.06	n.a.	3.63	12.37	40.42	0.00	26.62	0.61	0.11	n.a.	13.18	0.14	n.a.	n.a.	n.a.	97.14
46	HDM205-10 #3	38	chromite	888067	2	chromite	0.00	n.a.	4.29	8.97	39.54	0.11	31.37	0.25	0.01	n.a.	13.65	0.01	n.a.	n.a.	n.a.	98.21
47	HDM205-10 #3	39	chromite	888067	3	chromite	0.00	n.a.	2.38	14.39	41.85	0.07	26.90	0.19	0.04	n.a.	13.65	0.00	n.a.	n.a.	n.a.	99.49
48	HDM205-10 #4	40	chromite	888072	1	chromite	0.00	n.a.	3.51	8.77	40.88	0.17	37.09	0.38	0.00	n.a.	8.21	0.00	n.a.	n.a.	n.a.	99.03
49	HDM205-10 #4	41	chromite	888074	1	chromite	0.00	n.a.	1.29	21.12	43.92	0.17	19.23	0.16	0.06	n.a.	13.81	0.01	n.a.	n.a.	n.a.	99.78
50	HDM205-10 #4	42	chromite	888074	2	chromite	0.05	n.a.	1.77	15.05	44.15	0.13	23.91	0.21	0.00	n.a.	14.45	0.00	n.a.	n.a.	n.a.	99.72
51	HDM205-10 #4	43	chromite	888074	3	Mg-ilmenite	0.07	n.a.	54.07	0.00	0.05	0.00	35.94	1.15	0.00	n.a.	7.45	0.00	n.a.	n.a.	n.a.	99.01
52	HDM205-10 #4	44	chromite	888074	4	chromite	0.04	n.a.	2.39	16.74	41.48	0.23	25.65	0.25	0.10	n.a.	13.05	0.00	n.a.	n.a.	n.a.	99.94
53	HDM205-10 #4	45	chromite	888074	5	chromite	0.00	n.a.	2.14	15.11	43.40	0.13	25.59	0.22	0.04	n.a.	11.62	0.01	n.a.	n.a.	n.a.	98.28
54	HDM205-10 #4	46	chromite	888074	6	chromite	0.00	n.a.	3.22	11.07	41.09	0.12	32.54	0.33	0.00	n.a.	10.85	0.00	n.a.	n.a.	n.a.	99.25
55	HDM205-10 #4	47	chromite	888074	7	chromite	0.03	n.a.	4.80	8.13	36.80	0.05	34.93	0.26	0.01	n.a.	13.46	0.00	n.a.	n.a.	n.a.	98.50
56	HDM205-10 #4	48	chromite	888074	8	chromite	0.04	n.a.	3.95	8.25	35.35	0.04	40.58	0.65	0.05	n.a.	9.77	0.00	n.a.	n.a.	n.a.	98.69
57	HDM205-10 #4	49	rutile	888074	9	Mg-ilmenite	0.15	n.a.	50.69	0.00	0.28	0.04	37.22	0.39	0.00	n.a.	9.37	0.03	n.a.	n.a.	n.a.	98.50
58	HDM205-10 #5	50	oxide	888081	1	Mg-ilmenite	0.05	n.a.	49.42	0.19	0.25	0.00	36.35	0.44	0.02	n.a.	10.69	0.04	n.a.	n.a.	n.a.	97.68
59	HDM205-10 #5	51	chromite	888081	2	chromite	0.05	n.a.	3.66	7.35	43.72	0.12	32.55	0.29	0.00	n.a.	11.31	0.01	n.a.	n.a.	n.a.	99.07
n.a.	HDM205-10 #5	52	chromite	888081	3	Galaxite (MnAl-oxide)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
60	HDM205-10 #5	53	chromite	888083	1	Mg-ilmenite	0.01	n.a.	43.51	0.58	0.02	0.02	45.24	0.65	0.05	n.a.	6.75	0.02	n.a.	n.a.	n.a.	97.15
61	HDM205-10 #5	54	chromite	888087	1	chromite	0.00	n.a.	5.64	8.90	39.10	0.21	34.31	0.24	0.11	n.a.	10.76	0.01	n.a.	n.a.	n.a.	99.32
n.a.	HDM205-10 #5	55	oxide	888087	2	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
62	HDM205-10 #5	56	chromite	888091	1	chromite	0.05	n.a.	5.62	11.10	35.26	0.16	34.24	0.24	0.05	n.a.	11.45	0.00	n.a.	n.a.	n.a.	98.22
63	HDM205-10 #5	57	chromite	888091	2	chromite	0.00	n.a.	1.08	19.16	44.15	0.12	20.14	0.22	0.06	n.a.	14.67	0.00	n.a.	n.a.	n.a.	99.62
64	HDM205-10 #5	58	chromite	888091	3	chromite	0.05	n.a.	1.08	22.97	42.60	0.19	18.80	0.19	0.05	n.a.	12.93	0.00	n.a.	n.a.	n.a.	98.87
65	HDM205-10 #5	59	chromite	888091	4	chromite	0.00	n.a.	2.39	15.49	41.08	0.12	27.22	0.29	0.00	n.a.	12.84	0.00	n.a.	n.a.	n.a.	99.45
66	HDM205-10 #6	60	chromite	888088	1	chromite	0.02	n.a.	3.19	7.75	46.26	0.05	27.71	0.24	0.01	n.a.	13.47	0.00	n.a.	n.a.	n.a.	98.72
67	HDM205-10 #6	61	chromite	888088	2	Cr-spinel	0.00	n.a.	0.52	31.33	36.23	0.11	15.02	0.15	0.10	n.a.	15.54	0.00	n.a.	n.a.	n.a.	99.00
68	HDM205-10 #6	62	Ilmenite	888090	1	chromite	0.00	n.a.	0.03	24.48	44.63	0.17	14.61	0.17	0.09	n.a.	14.79	0.00	n.a.	n.a.	n.a.	98.98
69	HDM205-10 #6	63	chromite	KD5717	1	chromite	0.00	n.a.	2.93	18.97	33.07	0.14	31.35	0.28	0.17	n.a.	11.73	0.00	n.a.	n.a.	n.a.	98.67
153	HDM205-10 #6	64	chromite	KD5717	2	Mg-ilmenite	0.08	n.a.	53.80	0.61	1.69	0.10	27.19	0.24	0.00	n.a.	14.17	0.03	n.a.	n.a.	n.a.	98.27
71	HDM205-10 #6	65	Ilmenite	KD5718	1	chromite	0.12	n.a.	1.10	24.66	40.05	0.15	18.19	0.18	0.00	n.a.	16.05	0.00	n.a.	n.a.	n.a.	100.50
70	HDM205-10 #6	66	chromite	KD5720	2	rutile	0.22	n.a.	97.70	0.00	0.21	0.75	0.15	0.02	0.00	n.a.	0.00	0.00	n.a.	n.a.	n.a.	99.73
72	HDM205-10 #6	67	chromite	KD5720	3	chromite	0.01	n.a.	7.12	7.88	26.29	0.03	40.40	0.29	0.00	n.a.	15.95	0.02	n.a.	n.a.	n.a.	98.05
n.a.	HDM205-10 #6	68	chromite	KD5721	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
73	HDM205-10 #6	69	chromite	KD5722	3	chromite	0.00	n.a.	0.08	22.72	45.88	0.18	20.00	0.24	0.24	n.a.	10.93	0.00	n.a.	n.a.	n.a.	100.29
74	HDM205-10 #7	70	chromite	KD5723	1	chromite	0.04	n.a.	5.80	8.35	34.07	0.15	39.52	0.32	0.03	n.a.	10.51	0.00	n.a.	n.a.	n.a.	98.83
75	HDM205-10 #7	71	chromite	90640	1	chromite	0.02	n.a.	4.81	7.05	39.97	0.09	33.26	0.32	0.05	n.a.	12.50	0.00	n.a.	n.a.	n.a.	98.10
76	HDM205-10 #7	72	chromite	90640	2	chromite	0.00	n.a.	4.52	7.20	42.25	0.08	31.52	0.28	0.10	n.a.	12.75	0.00	n.a.	n.a.	n.a.	98.75
78	HDM205-10 #7	73	Ilmenite	90640	3	Mg-ilmenite	0.24	n.a.	48.06	0.46	0.72	0.28	36.18	0.25	0.13	n.a.	11.35	0.02	n.a.	n.a.	n.a.	98.04
79	HDM205-10 #7	74	chromite	90757	1	Cr-spinel	0.02	n.a.	0.93	27.39	37.11	0.13	17.61	0.20	0.05	n.a.	16.11	0.00	n.a.	n.a.	n.a.	99.57
n.a.	HDM205-10 #7	75	Ilmenite	90955	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
80	HDM205-10 #7	76	chromite	91508	1	chromite	0.04	n.a.	4.02	7.16	44.14	0.06	32.58	0.33	0.11	n.a.	10.27	0.00	n.a.	n.a.	n.a.	98.74
81	HDM205-10 #7	77	chromite	91531	2	chromite	0.00	n.a.	1.47	17.50	42.32	0.16	24.76	0.23	0.18	n.a.	13.06	0.00	n.a.	n.a.	n.a.	99.70
82	HDM205-10 #7	78	chromite	91635	3	chromite	0.00	n.a.	1.71	15.68	44.47	0.06	23.53	0.19	0.10	n.a.	11.95	0.00	n.a.	n.a.	n.a.	97.71

136	HDM205-10 #1	137	chromite	888071	2	Mg-ilmenite	0.03	n.a.	50.98	0.23	2.34	0.03	33.33	0.25	0.19	n.a.	10.63	0.01	n.a.	n.a.	n.a.	98.38
137	HDM205-10 #1	138	chromite	888071	3	chromite	0.01	n.a.	2.30	15.09	39.68	0.14	28.75	0.22	0.00	n.a.	12.91	0.00	n.a.	n.a.	n.a.	99.13
138	HDM205-10 #1	139	chromite	888071	4	chromite	0.00	n.a.	1.94	12.31	46.55	0.14	24.35	0.20	0.08	n.a.	13.58	0.01	n.a.	n.a.	n.a.	99.18
139	HDM205-10 #1	140	chromite	888071	5	Mg-ilmenite	0.03	n.a.	46.11	0.47	0.16	0.05	42.46	0.32	0.00	n.a.	7.74	0.04	n.a.	n.a.	n.a.	97.71
140	HDM205-10 #1	141	oxide	888077	1	Mg-ilmenite	0.02	n.a.	48.86	0.16	0.03	0.00	40.16	0.38	0.06	n.a.	7.90	0.03	n.a.	n.a.	n.a.	97.91
141	HDM205-10 #1	142	oxide	888077	2	chromite	0.00	n.a.	2.51	7.22	49.84	0.05	24.42	0.21	0.09	n.a.	13.85	0.01	n.a.	n.a.	n.a.	98.22
n.a.	HDM205-10 #1	143	oxide	888078	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
142	HDM205-10 #1	144	chromite	888079	1	chromite	0.00	n.a.	1.95	13.27	43.05	0.10	26.82	0.22	0.14	n.a.	13.69	0.02	n.a.	n.a.	n.a.	99.26
143	HDM205-10 #1	145	oxide	888084	1	chromite	0.00	n.a.	3.56	9.63	45.36	0.19	27.68	0.27	0.15	n.a.	12.28	0.00	n.a.	n.a.	n.a.	99.15
144	HDM205-10 #1	146	oxide	888085	1	chromite	0.05	n.a.	0.08	18.06	51.17	0.18	14.92	0.21	0.01	n.a.	14.58	0.01	n.a.	n.a.	n.a.	99.28
145	HDM205-10 #1	147	chromite	888092	1	chromite	0.00	n.a.	2.50	15.66	36.42	0.21	33.93	0.27	0.12	n.a.	10.37	0.00	n.a.	n.a.	n.a.	99.50
146	HDM205-10 #1	148	chromite	888092	2	chromite	0.00	n.a.	1.88	14.93	43.86	0.10	24.62	0.21	0.00	n.a.	13.74	0.00	n.a.	n.a.	n.a.	99.35
147	HDM205-10 #1	149	chromite	888092	3	chromite	0.01	n.a.	2.74	6.76	47.73	0.07	28.57	0.26	0.01	n.a.	12.79	0.01	n.a.	n.a.	n.a.	98.97
148	HDM205-10 #1	150	chromite	888093	1	chromite	0.00	n.a.	2.95	14.47	39.05	0.10	30.51	0.32	0.06	n.a.	12.01	0.00	n.a.	n.a.	n.a.	99.49
149	HDM205-10 #1	151	chromite	888093	2	chromite	0.03	n.a.	1.66	17.38	42.62	0.11	21.97	0.21	0.00	n.a.	14.99	0.01	n.a.	n.a.	n.a.	99.00
150	HDM205-10 #1	152	chromite	888094	1	chromite	0.00	n.a.	1.83	17.61	40.11	0.11	25.14	0.24	0.09	n.a.	13.98	0.00	n.a.	n.a.	n.a.	99.12
n.a.	HDM205-10 #1	153	oxide	888078	1	Ilmenite	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
151	HDM205-10 #1	153	oxide	888094	2	Mg-ilmenite	0.27	n.a.	46.23	0.02	0.02	0.00	43.62	2.78	0.12	n.a.	4.45	0.01	n.a.	n.a.	n.a.	97.73
152	HDM205-10 #1	154	oxide	888094	3	Mg-ilmenite	0.42	n.a.	50.43	0.00	0.04	0.00	39.19	1.48	0.00	n.a.	6.42	0.01	n.a.	n.a.	n.a.	98.32
n.a.	n.a.	n.a.	n.a.	90533	1	Cr-pyrope	n.a.	41.41	0.06	20.29	4.77	n.a.	8.34	0.44	n.a.	0.00	18.70	6.04	0.03	0.03	0.00	100.10
n.a.	n.a.	n.a.	n.a.	90536	1	Cr-pyrope	n.a.	41.69	0.16	20.58	4.92	n.a.	7.46	0.39	n.a.	0.03	19.69	5.44	0.03	0.04	0.00	100.43
n.a.	n.a.	n.a.	n.a.	90544	1	Cr-pyrope	n.a.	41.78	0.41	19.97	5.49	n.a.	5.96	0.27	n.a.	0.03	21.35	5.28	0.04	0.06	0.00	100.63
n.a.	n.a.	n.a.	n.a.	90555	1	Cr-pyrope	n.a.	41.56	0.09	20.26	5.24	n.a.	7.17	0.38	n.a.	0.00	20.26	5.54	0.10	0.02	0.00	100.62
n.a.	n.a.	n.a.	n.a.	90559	1	Cr-pyrope	n.a.	41.00	0.10	18.86	7.09	n.a.	7.21	0.43	n.a.	0.00	19.46	5.88	0.01	0.02	0.00	100.05
n.a.	n.a.	n.a.	n.a.	90564	1	Cr-pyrope	n.a.	41.56	0.23	20.99	4.28	n.a.	6.84	0.47	n.a.	0.00	20.73	4.72	0.00	0.05	0.02	99.88
n.a.	n.a.	n.a.	n.a.	90572	1	Cr-pyrope	n.a.	41.59	0.07	22.43	2.03	n.a.	9.39	0.45	n.a.	0.03	19.37	4.95	0.02	0.01	0.00	100.34
n.a.	n.a.	n.a.	n.a.	90629	1	Cr-pyrope	n.a.	41.06	0.61	18.88	6.00	n.a.	6.90	0.29	n.a.	0.02	20.57	5.41	0.00	0.05	0.01	99.79
n.a.	n.a.	n.a.	n.a.	90650	1	Cr-pyrope	n.a.	41.55	0.23	19.85	5.50	n.a.	6.71	0.27	n.a.	0.00	20.53	5.63	0.02	0.03	0.01	100.31
n.a.	n.a.	n.a.	n.a.	90661	1	Cr-pyrope	n.a.	41.72	0.11	21.01	4.52	n.a.	7.07	0.45	n.a.	0.00	20.12	5.35	0.00	0.03	0.00	100.37
n.a.	n.a.	n.a.	n.a.	90709	1	Cr-pyrope	n.a.	41.26	0.08	17.95	7.77	n.a.	6.79	0.37	n.a.	0.05	19.72	6.27	0.04	0.00	0.00	100.29
n.a.	n.a.	n.a.	n.a.	90780	1	High Ti Pyrope (G2 megacryst)	n.a.	41.72	0.97	21.95	0.24	n.a.	12.32	0.36	n.a.	0.04	18.37	5.00	0.05	0.10	0.00	101.12
n.a.	n.a.	n.a.	n.a.	90817	1	Cr-pyrope	n.a.	41.14	0.11	19.33	6.48	n.a.	7.24	0.47	n.a.	0.03	19.62	6.02	0.04	0.03	0.00	100.53
n.a.	n.a.	n.a.	n.a.	90819	1	Cr-pyrope	n.a.	40.94	0.14	19.53	5.64	n.a.	7.76	0.43	n.a.	0.02	19.75	5.42	0.00	0.02	0.00	99.65
n.a.	n.a.	n.a.	n.a.	90827	1	Cr-pyrope	n.a.	42.28	0.28	21.46	3.31	n.a.	8.66	0.42	n.a.	0.00	19.88	4.83	0.01	0.04	0.01	101.19
n.a.	n.a.	n.a.	n.a.	90884	1	Cr-pyrope	n.a.	42.02	0.21	20.63	4.28	n.a.	8.05	0.41	n.a.	0.00	20.28	4.89	0.01	0.08	0.00	100.87
n.a.	n.a.	n.a.	n.a.	91589	1	Cr-pyrope	n.a.	41.48	0.01	20.60	5.41	n.a.	7.21	0.41	n.a.	0.00	19.82	5.76	0.00	0.02	0.00	100.72
n.a.	n.a.	n.a.	n.a.	91621	1	Cr-pyrope	n.a.	41.71	0.14	21.22	4.03	n.a.	7.22	0.40	n.a.	0.00	20.63	4.54	0.00	0.04	0.00	99.92
n.a.	n.a.	n.a.	n.a.	91786	1	Cr-pyrope	n.a.	41.74	0.03	21.51	4.24	n.a.	6.89	0.36	n.a.	0.04	20.58	5.41	0.00	0.02	0.01	100.82
n.a.	n.a.	n.a.	n.a.	91820	1	Cr-pyrope	n.a.	42.16	0.53	20.45	4.32	n.a.	6.42	0.31	n.a.	0.01	21.81	4.67	0.05	0.06	0.00	100.80
n.a.	n.a.	n.a.	n.a.	877761	1	Cr-pyrope	n.a.	41.96	0.24	21.14	3.74	n.a.	8.00	0.39	n.a.	0.03	20.47	4.75	0.00	0.04	0.01	100.77
n.a.	n.a.	n.a.	n.a.	877792	1	Cr-pyrope	n.a.	41.84	0.57	19.32	5.81	n.a.	6.75	0.28	n.a.	0.01	20.31	5.50	0.02	0.06	0.00	100.47
n.a.	n.a.	n.a.	n.a.	878160	1	Cr-pyrope	n.a.	42.08	0.69	21.14	2.09	n.a.	8.53	0.28	n.a.	0.01	20.43	4.95	0.02	0.05	0.00	100.27
n.a.	n.a.	n.a.	n.a.	878175	1	Cr-pyrope	n.a.	42.11	0.26	20.35	4.88	n.a.	7.00	0.39	n.a.	0.00	20.62	4.99	0.00	0.07	0.00	100.67
n.a.	n.a.	n.a.	n.a.	878191	1	Cr-pyrope	n.a.	41.71	0.07	21.47	3.65	n.a.	8.91	0.51	n.a.	0.03	19.18	5.48	0.00	0.02	0.00	101.02
n.a.	n.a.	n.a.	n.a.	886940	1	Cr-pyrope (G10)	n.a.	41.26	0.42	14.93	11.65	n.a.	5.94	0.31	n.a.	0.01	20.99	4.67	0.01	0.05	0.00	100.24
n.a.	n.a.	n.a.	n.a.	887483	1	wehrlitic pyrope	n.a.	41.06	0.07	20.30	5.00	n.a.	9.15	0.64	n.a.	0.00	17.80	6.55	0.00	0.02	0.00	100.58
n.a.	n.a.	n.a.	n.a.	887484	1	Cr-pyrope	n.a.	40.70	0.18	16.33	10.22	n.a.	7.44	0.42	n.a.	0.00	18.16	7.16	0.03	0.06	0.01	100.72
n.a.	n.a.	n.a.	n.a.	887893	1	Cr-pyrope	n.a.	41.53	0.20	21.21	4.38	n.a.	7.17	0.43	n.a.	0.00	20.44	5.36	0.00	0.04	0.00	100.76
n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	90501	1	Mg almandine (ecl)	n.a.	38.82	0.03	22.41	0.13	n.a.	28.42	0.46	n.a.	0.03	9.56	1.12	0.01	0.00	0.00	100.99
n.a.	n.a.	n.a.	n.a.	90503	1	Pyrope almandine (ecl)	n.a.	38.65	0.01	22.60	0.05	n.a.	23.77	2.57	n.a.	0.05	10.12	2.40	0.01	0.02	0.00	100.25
n.a.	n.a.	n.a.	n.a.	90550	2	Mg Ca almandine (?ecl)	n.a.	37.85	0.12	21.78	0.03	n.a.	25.74	2.85	n.a.	0.00	5.49	6.45	0.01	0.01	0.00	100.32
n.a.	n.a.	n.a.	n.a.	90638	1	Ca Mg almandine (?ecl)	n.a.	38.56	0.08	22.33	0.10	n.a.	24.08	0.96	n.a.	0.00	8.95	5.18	0.02	0.01	0.00	100.26
n.a.	n.a.	n.a.	n.a.	90894	1	Mg Ca almandine (ecl)	n.a.	38.55	0.19	22.03	0.11	n.a.	21.57	1.75	n.a.	0.00	6.57	9.55	0.03	0.01	0.00	100.36
n.a.	n.a.	n.a.	n.a.	877786	1	Pyrope almandine (ecl?)	n.a.	39.13	0.00	22.73	0.05	n.a.	27.60	0.30	n.a.	0.00	10.28	0.93	0.00	0.00	0.00	101.02
n.a.	n.a.	n.a.	n.a.	878192	1	Ca Mg almandine (?ecl)	n.a.	37.67	0.00	21.66	0.08	n.a.	29.10	3.66	n.a.	0.00	5.16	3.15	0.00	0.00	0.00	100.48
n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	90509	1	Cr-diopside	n.a.	54.15	0.10	3.60	1.16	n.a.	4.91	0.10	n.a.	0.20	20.41	12.02	0.00	0.54	0.15	97.33

n.a.	n.a.	n.a.	n.a.	91751	1	Cr-diopside	n.a.	54.03	0.03	1.35	1.01	n.a.	3.89	0.10	n.a.	0.12	15.65	23.36	0.00	0.60	0.00	100.14
n.a.	n.a.	n.a.	n.a.	91819	1	Cr-diopside	n.a.	51.77	0.22	3.13	1.21	n.a.	5.14	0.14	n.a.	0.00	17.28	20.07	0.00	0.22	0.00	99.16
n.a.	n.a.	n.a.	n.a.	91841	1	Cr-diopside	n.a.	52.37	0.24	3.16	1.19	n.a.	5.17	0.11	n.a.	0.08	17.23	20.46	0.04	0.22	0.00	100.26
n.a.	n.a.	n.a.	n.a.	91915	1	Cr-diopside	n.a.	52.20	0.24	3.23	1.25	n.a.	5.31	0.10	n.a.	0.07	17.43	19.83	0.00	0.22	0.01	99.89
n.a.	n.a.	n.a.	n.a.	877773	1	Cr-diopside	n.a.	52.74	0.17	5.31	1.39	n.a.	3.14	0.10	n.a.	0.15	20.53	12.35	0.01	0.96	0.19	97.03
n.a.	n.a.	n.a.	n.a.	887863	1	Cr-diopside	n.a.	52.10	0.23	3.24	1.21	n.a.	5.48	0.11	n.a.	0.10	17.64	19.71	0.00	0.22	0.02	100.06
n.a.	n.a.	n.a.	n.a.	887878	1	Cr-diopside	n.a.	51.67	0.23	3.40	1.29	n.a.	5.22	0.11	n.a.	0.00	17.42	19.57	0.02	0.21	0.00	99.14
n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	90505	1	Low chrome pyroxene	n.a.	53.06	0.07	2.33	0.73	n.a.	3.81	0.16	n.a.	0.00	15.18	23.36	0.00	0.66	0.00	99.37
n.a.	n.a.	n.a.	n.a.	90564	2	Low chrome pyroxene	n.a.	55.49	0.06	2.26	0.76	n.a.	5.37	0.15	n.a.	0.28	21.60	10.66	0.00	0.66	0.03	97.30
n.a.	n.a.	n.a.	n.a.	90650	2	Low chrome pyroxene	n.a.	53.36	0.04	0.97	0.62	n.a.	4.33	0.19	n.a.	0.06	15.11	24.39	0.03	0.62	0.00	99.73
n.a.	n.a.	n.a.	n.a.	90664	1	Low chrome pyroxene	n.a.	53.44	0.07	1.62	0.91	n.a.	4.52	0.17	n.a.	0.08	15.05	23.25	0.00	0.73	0.02	99.86
n.a.	n.a.	n.a.	n.a.	90751	1	Low chrome pyroxene	n.a.	54.35	0.02	0.82	0.56	n.a.	3.85	0.17	n.a.	0.06	15.61	24.31	0.00	0.59	0.00	100.32
n.a.	n.a.	n.a.	n.a.	90785	1	Low chrome pyroxene	n.a.	54.00	0.04	0.73	0.56	n.a.	4.16	0.20	n.a.	0.06	15.06	24.38	0.00	0.65	0.00	99.83
n.a.	n.a.	n.a.	n.a.	90831	1	Low chrome pyroxene	n.a.	55.07	0.19	3.81	0.55	n.a.	2.63	0.08	n.a.	0.17	21.91	12.83	0.04	0.57	0.06	97.91
n.a.	n.a.	n.a.	n.a.	90969	2	Low chrome pyroxene	n.a.	54.32	0.05	0.77	0.55	n.a.	4.13	0.21	n.a.	0.00	15.43	23.93	0.01	0.60	0.00	100.01
n.a.	n.a.	n.a.	n.a.	91605	1	Low chrome pyroxene	n.a.	53.19	0.10	1.80	0.97	n.a.	4.02	0.14	n.a.	0.13	15.31	23.61	0.03	0.46	0.00	99.76
n.a.	n.a.	n.a.	n.a.	91633	1	Low chrome pyroxene	n.a.	53.25	0.19	2.17	0.89	n.a.	5.30	0.15	n.a.	0.10	18.09	19.81	0.01	0.20	0.01	100.18
n.a.	n.a.	n.a.	n.a.	91820	2	Low chrome pyroxene	n.a.	52.48	0.32	2.20	0.74	n.a.	5.96	0.20	n.a.	0.01	16.12	21.75	0.11	0.22	0.00	100.10
n.a.	n.a.	n.a.	n.a.	91912	1	Low chrome pyroxene	n.a.	52.68	0.18	1.97	0.70	n.a.	6.44	0.38	n.a.	0.06	14.55	22.27	0.00	0.68	0.00	99.91
n.a.	n.a.	n.a.	n.a.	91913	1	Low chrome pyroxene	n.a.	53.88	0.05	0.84	0.58	n.a.	3.94	0.18	n.a.	0.02	15.43	24.04	0.00	0.68	0.00	99.62
n.a.	n.a.	n.a.	n.a.	877791	1	Low chrome pyroxene	n.a.	53.58	0.11	1.68	0.88	n.a.	4.48	0.11	n.a.	0.13	15.48	23.04	0.06	0.69	0.00	100.24
n.a.	n.a.	n.a.	n.a.	878175	2	Low chrome pyroxene	n.a.	53.90	0.04	0.79	0.63	n.a.	3.94	0.12	n.a.	0.03	15.40	23.95	0.00	0.60	0.00	99.41
n.a.	n.a.	n.a.	n.a.	886937	2	Low chrome pyroxene	n.a.	53.78	0.05	4.42	0.93	n.a.	4.14	0.09	n.a.	0.25	20.59	12.36	0.07	0.79	0.16	97.64
n.a.	n.a.	n.a.	n.a.	887885	1	Low chrome pyroxene	n.a.	54.95	0.00	0.64	0.50	n.a.	3.83	0.12	n.a.	0.00	15.69	24.24	0.00	0.56	0.00	100.55
n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	90503	2	Chrome poor pyroxene	n.a.	53.30	0.15	2.11	0.47	n.a.	3.58	0.12	n.a.	0.04	15.58	23.54	0.06	0.58	0.00	99.54
n.a.	n.a.	n.a.	n.a.	90547	1	Chrome poor pyroxene	n.a.	53.29	0.00	0.22	0.32	n.a.	6.93	0.21	n.a.	0.05	13.79	24.52	0.00	0.17	0.00	99.51
n.a.	n.a.	n.a.	n.a.	90550	1	Chrome poor pyroxene	n.a.	54.09	0.05	0.59	0.45	n.a.	3.76	0.30	n.a.	0.16	16.32	23.95	0.00	0.40	0.00	100.05
n.a.	n.a.	n.a.	n.a.	90555	2	Chrome poor pyroxene	n.a.	53.29	0.08	1.40	0.46	n.a.	3.88	0.15	n.a.	0.00	16.06	23.58	0.01	0.54	0.00	99.44
n.a.	n.a.	n.a.	n.a.	90558	1	Chrome poor pyroxene	n.a.	53.61	0.03	0.80	0.45	n.a.	5.53	0.24	n.a.	0.04	14.56	24.61	0.02	0.76	0.00	100.64
n.a.	n.a.	n.a.	n.a.	90775	1	Chrome poor pyroxene	n.a.	54.87	0.03	0.70	0.41	n.a.	3.91	0.16	n.a.	0.00	15.50	24.79	0.00	0.58	0.00	100.96
n.a.	n.a.	n.a.	n.a.	90836	1	Chrome poor pyroxene	n.a.	54.59	0.01	0.36	0.12	n.a.	4.92	0.21	n.a.	0.01	15.14	24.92	0.00	0.34	0.00	100.62
n.a.	n.a.	n.a.	n.a.	90969	1	Chrome poor pyroxene	n.a.	54.33	0.05	0.88	0.32	n.a.	3.99	0.17	n.a.	0.08	15.31	24.72	0.03	0.53	0.00	100.40
n.a.	n.a.	n.a.	n.a.	90987	1	Chrome poor pyroxene	n.a.	54.43	0.02	0.86	0.44	n.a.	3.11	0.18	n.a.	0.10	16.44	24.03	0.00	0.47	0.00	100.08
n.a.	n.a.	n.a.	n.a.	91583	1	Chrome poor pyroxene	n.a.	53.49	0.07	1.44	0.46	n.a.	4.32	0.14	n.a.	0.04	16.00	23.43	0.03	0.62	0.00	100.02
n.a.	n.a.	n.a.	n.a.	91634	3	Chrome poor pyroxene	n.a.	54.07	0.05	1.15	0.49	n.a.	4.16	0.14	n.a.	0.00	15.76	23.74	0.00	0.55	0.00	100.10
n.a.	n.a.	n.a.	n.a.	91721	1	Chrome poor pyroxene	n.a.	54.93	0.03	0.61	0.36	n.a.	3.37	0.13	n.a.	0.01	15.73	25.03	0.00	0.55	0.00	100.75
n.a.	n.a.	n.a.	n.a.	91812	1	Chrome poor pyroxene	n.a.	56.05	0.01	1.71	0.43	n.a.	4.51	0.14	n.a.	0.22	21.22	11.74	0.06	0.23	0.10	96.41
n.a.	n.a.	n.a.	n.a.	91819	2	Chrome poor pyroxene	n.a.	53.99	0.02	0.78	0.36	n.a.	5.12	0.22	n.a.	0.00	14.55	24.37	0.03	0.67	0.00	100.12
n.a.	n.a.	n.a.	n.a.	91847	1	Chrome poor pyroxene	n.a.	54.63	0.01	0.67	0.34	n.a.	3.96	0.20	n.a.	0.00	15.22	24.84	0.00	0.56	0.00	100.43
n.a.	n.a.	n.a.	n.a.	91919	1	Chrome poor pyroxene	n.a.	53.92	0.04	2.00	0.46	n.a.	4.65	0.09	n.a.	0.03	16.97	20.98	0.03	0.71	0.00	99.88
n.a.	n.a.	n.a.	n.a.	878163	1	Chrome poor pyroxene	n.a.	54.39	0.05	1.04	0.41	n.a.	4.04	0.13	n.a.	0.00	15.37	24.32	0.03	0.57	0.00	100.36
n.a.	n.a.	n.a.	n.a.	878191	2	Chrome poor pyroxene	n.a.	54.17	0.03	0.86	0.24	n.a.	5.33	0.20	n.a.	0.04	14.93	23.81	0.04	0.63	0.00	100.27
n.a.	n.a.	n.a.	n.a.	887891	1	Chrome poor pyroxene	n.a.	56.61	0.00	1.57	0.49	n.a.	4.53	0.12	n.a.	0.27	21.78	11.47	0.00	0.24	0.11	97.19
n.a.	n.a.	n.a.	n.a.	887892	1	Chrome poor pyroxene	n.a.	54.18	0.04	0.96	0.47	n.a.	4.45	0.11	n.a.	0.08	15.01	23.77	0.07	0.63	0.00	99.79
n.a.	n.a.	n.a.	n.a.	887893	2	Chrome poor pyroxene	n.a.	54.19	0.04	0.87	0.40	n.a.	4.35	0.13	n.a.	0.00	15.44	24.06	0.00	0.56	0.00	100.04
n.a.	n.a.	n.a.	n.a.				n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a.	n.a.	n.a.	n.a.	887484	2	olivine	n.a.	40.57	0.02	0.00	0.06	n.a.	9.79	0.13	n.a.	0.35	48.77	0.05	0.00	0.00	0.00	99.74
n.a.	n.a.	n.a.	n.a.	90503	3	chromite	0.00	0.00	4.71	7.04	40.89	0.10	32.74	0.25	0.00	n.a.	12.90	0.00	n.a.	n.a.	n.a.	98.64
n.a.	n.a.	n.a.	n.a.	90515	1	Chromite	0.04	0.11	2.54	17.60	36.20	0.12	29.84	0.25	0.14	n.a.	13.00	0.01	n.a.	n.a.	n.a.	99.84
n.a.	n.a.	n.a.	n.a.	90535	1	Mg-ilmenite	0.07	0.04	53.54	0.56	0.21	0.47	30.47	0.22	0.09	n.a.	13.28	0.04	n.a.	n.a.	n.a.	98.98
n.a.	n.a.	n.a.	n.a.	90542	1	Ilmenite	0.02	0.00	51.83	0.00	0.07	0.26	46.02	1.38	0.00	n.a.	0.32	0.01	n.a.	n.a.	n.a.	99.92
n.a.	n.a.	n.a.	n.a.	90542	2	Mg-ilmenite	0.43	0.00	49.07	0.00	4.82	0.44	31.27	0.30	0.00	n.a.	11.67	0.00	n.a.	n.a.	n.a.	98.00
n.a.	n.a.	n.a.	n.a.	90542	3	Mg-ilmenite	0.28	0.00	49.61	0.03	0.84	0.57	38.94	0.27	0.00	n.a.	8.88	0.01	n.a.	n.a.	n.a.	99.41
n.a.	n.a.	n.a.	n.a.	90542	4	Mg-ilmenite	0.22	0.00	50.71	0.11	0.56	0.48	37.20	0.25	0.13	n.a.	9.96	0.01	n.a.	n.a.	n.a.	99.63
n.a.	n.a.	n.a.	n.a.	90542	5	Mg-ilmenite	0.33	0.00	44.44	0.00	1.73	0.63	42.85	0.21	0.09	n.a.	7.15	0.02	n.a.	n.a.	n.a.	97.45
n.a.	n.a.	n.a.	n.a.	90555	3	Ilmenite	0.00	0.00	49.10	0.00	0.00	0.32	48.31	1.04	0.05	n.a.	0.21	0.00	n.a.	n.a.	n.a.	99.04

n.a.	n.a.	n.a.	n.a.	90565	1	Chromite	0.06	0.00	1.71	19.30	37.74	0.15	26.97	0.20	0.08	n.a.	13.19	0.00	n.a.	n.a.	n.a.	99.42
n.a.	n.a.	n.a.	n.a.	90573	1	Chromite	0.00	0.00	2.01	16.63	40.01	0.14	26.29	0.23	0.13	n.a.	14.26	0.00	n.a.	n.a.	n.a.	99.71
n.a.	n.a.	n.a.	n.a.	90582	1	Mg-ilmenite	0.12	0.00	51.35	0.14	0.03	0.41	36.30	0.70	0.14	n.a.	9.28	0.04	n.a.	n.a.	n.a.	98.51
n.a.	n.a.	n.a.	n.a.	90606	1	Mg-ilmenite	0.35	0.00	47.56	0.01	1.36	0.58	38.89	0.29	0.00	n.a.	9.06	0.01	n.a.	n.a.	n.a.	98.10
n.a.	n.a.	n.a.	n.a.	90606	2	Mg-ilmenite	0.09	0.00	52.60	0.42	0.07	0.49	32.85	0.24	0.00	n.a.	11.93	0.03	n.a.	n.a.	n.a.	98.73
n.a.	n.a.	n.a.	n.a.	90607	1	Ilmenite	0.03	0.00	50.21	0.00	0.01	0.32	44.19	1.07	0.00	n.a.	3.02	0.01	n.a.	n.a.	n.a.	98.85
n.a.	n.a.	n.a.	n.a.	90607	2	Mg-ilmenite	0.13	0.00	50.67	0.15	0.43	0.49	36.73	0.24	0.00	n.a.	10.01	0.00	n.a.	n.a.	n.a.	98.84
n.a.	n.a.	n.a.	n.a.	90607	3	Ilmenite	0.00	0.00	49.12	0.00	0.01	0.27	45.73	1.84	0.29	n.a.	1.93	0.01	n.a.	n.a.	n.a.	99.21
n.a.	n.a.	n.a.	n.a.	90607	4	Chromite	0.05	0.00	3.07	9.19	47.85	0.09	23.99	0.20	0.09	n.a.	14.86	0.01	n.a.	n.a.	n.a.	99.40
n.a.	n.a.	n.a.	n.a.	90610	1	Mg-ilmenite	0.11	0.00	46.20	0.00	1.04	0.49	42.69	0.26	0.03	n.a.	7.22	0.01	n.a.	n.a.	n.a.	98.05
n.a.	n.a.	n.a.	n.a.	90621	1	Mg-ilmenite	0.22	0.00	48.42	0.34	0.33	0.44	40.30	0.25	0.00	n.a.	8.25	0.01	n.a.	n.a.	n.a.	98.55
n.a.	n.a.	n.a.	n.a.	90621	2	Mg-ilmenite	0.40	0.00	50.54	0.21	2.22	0.49	33.95	0.34	0.00	n.a.	11.55	0.02	n.a.	n.a.	n.a.	99.72
n.a.	n.a.	n.a.	n.a.	90621	3	Cr-spinel	0.00	0.00	7.55	6.78	27.95	0.14	42.75	0.33	0.19	n.a.	12.32	0.01	n.a.	n.a.	n.a.	98.02
n.a.	n.a.	n.a.	n.a.	90621	4	Mg-ilmenite	0.00	0.00	48.59	0.36	0.00	0.28	39.61	0.32	0.06	n.a.	8.99	0.07	n.a.	n.a.	n.a.	98.27
n.a.	n.a.	n.a.	n.a.	90621	5	Mg-ilmenite	0.10	0.00	51.54	0.38	1.25	0.58	31.76	0.25	0.07	n.a.	12.83	0.02	n.a.	n.a.	n.a.	98.79
n.a.	n.a.	n.a.	n.a.	90624	1	Cr-spinel	0.00	0.00	3.89	9.35	34.21	0.12	41.21	0.64	0.08	n.a.	9.40	0.00	n.a.	n.a.	n.a.	98.90
n.a.	n.a.	n.a.	n.a.	90625	1	Ilmenite	0.00	0.00	49.03	0.00	0.01	0.41	48.62	0.48	0.00	n.a.	0.96	0.00	n.a.	n.a.	n.a.	99.51
n.a.	n.a.	n.a.	n.a.	90625	2	Mg-ilmenite	0.07	0.00	49.22	0.01	0.06	0.33	40.66	0.40	0.06	n.a.	7.84	0.03	n.a.	n.a.	n.a.	98.68
n.a.	n.a.	n.a.	n.a.	90625	3	Chromite	0.01	0.00	1.28	18.36	43.44	0.13	22.54	0.21	0.19	n.a.	10.84	0.02	n.a.	n.a.	n.a.	97.02
n.a.	n.a.	n.a.	n.a.	90626	1	Chromite	0.06	0.00	1.50	15.70	44.03	0.17	25.31	0.21	0.16	n.a.	12.74	0.00	n.a.	n.a.	n.a.	99.88
n.a.	n.a.	n.a.	n.a.	90626	2	Ilmenite	0.00	0.00	0.01	2.59	0.04	0.05	84.71	0.13	0.13	n.a.	0.01	0.17	n.a.	n.a.	n.a.	87.85
n.a.	n.a.	n.a.	n.a.	90626	3	Chromite	0.03	0.00	4.72	8.74	39.76	0.08	29.66	0.31	0.03	n.a.	15.54	0.00	n.a.	n.a.	n.a.	98.86
n.a.	n.a.	n.a.	n.a.	90626	4	chromite	0.00	0.00	4.58	8.77	40.48	0.08	29.53	0.25	0.01	n.a.	15.52	0.00	n.a.	n.a.	n.a.	99.23
n.a.	n.a.	n.a.	n.a.	90626	5	chromite	0.08	0.00	3.76	6.68	47.14	0.13	27.43	0.28	0.13	n.a.	14.26	0.01	n.a.	n.a.	n.a.	99.89
n.a.	n.a.	n.a.	n.a.	90626	6	chromite	0.00	0.00	3.52	9.90	42.27	0.17	31.61	0.22	0.11	n.a.	11.55	0.00	n.a.	n.a.	n.a.	99.34
n.a.	n.a.	n.a.	n.a.	90629	2	Ilmenite	0.29	0.00	45.81	0.00	0.03	0.21	44.09	2.49	0.15	n.a.	4.70	0.02	n.a.	n.a.	n.a.	97.79
n.a.	n.a.	n.a.	n.a.	90629	3	chromite	0.00	0.00	5.36	8.43	34.09	0.06	39.19	0.49	0.12	n.a.	11.38	0.00	n.a.	n.a.	n.a.	99.12
n.a.	n.a.	n.a.	n.a.	90629	4	Mg-ilmenite	0.04	0.00	52.71	0.50	4.57	0.52	27.76	0.25	0.00	n.a.	13.58	0.01	n.a.	n.a.	n.a.	99.94
n.a.	n.a.	n.a.	n.a.	90631	1	chromite	0.00	0.00	1.89	15.65	43.71	0.09	23.13	0.19	0.00	n.a.	15.20	0.00	n.a.	n.a.	n.a.	99.87
n.a.	n.a.	n.a.	n.a.	90631	2	Cr-spinel	0.02	0.00	2.03	30.72	24.55	0.14	27.39	0.20	0.06	n.a.	15.19	0.00	n.a.	n.a.	n.a.	100.31
n.a.	n.a.	n.a.	n.a.	90638	2	Mg-ilmenite	0.12	0.00	51.11	0.00	0.56	0.45	38.31	0.36	0.00	n.a.	8.55	0.01	n.a.	n.a.	n.a.	99.48
n.a.	n.a.	n.a.	n.a.	90638	3	Mg-ilmenite	0.10	0.00	52.53	0.44	2.49	0.51	28.05	0.27	0.00	n.a.	14.46	0.02	n.a.	n.a.	n.a.	98.86
n.a.	n.a.	n.a.	n.a.	90638	4	chromite	0.00	0.00	3.15	12.17	42.87	0.25	29.49	0.24	0.03	n.a.	11.15	0.00	n.a.	n.a.	n.a.	99.34
n.a.	n.a.	n.a.	n.a.	90638	5	chromite	0.00	0.00	3.02	17.67	33.26	0.16	30.54	0.21	0.26	n.a.	13.28	0.01	n.a.	n.a.	n.a.	98.42
n.a.	n.a.	n.a.	n.a.	90642	1	Mg-ilmenite	0.47	0.00	47.06	0.00	1.68	0.61	41.54	0.25	0.12	n.a.	7.66	0.01	n.a.	n.a.	n.a.	99.39
n.a.	n.a.	n.a.	n.a.	90642	2	Mg-ilmenite	0.19	0.00	47.36	0.00	0.80	0.60	40.28	0.25	0.00	n.a.	8.96	0.00	n.a.	n.a.	n.a.	98.44
n.a.	n.a.	n.a.	n.a.	90642	3	Mg-ilmenite	0.20	0.00	48.69	0.05	0.81	0.52	39.56	0.27	0.01	n.a.	8.51	0.01	n.a.	n.a.	n.a.	98.64
n.a.	n.a.	n.a.	n.a.	90642	4	Mg-ilmenite	0.29	0.00	48.86	0.06	0.66	0.53	39.32	0.22	0.18	n.a.	8.88	0.01	n.a.	n.a.	n.a.	99.02
n.a.	n.a.	n.a.	n.a.	90644	1	Cr-spinel	0.07	0.00	1.49	31.32	27.88	0.10	23.80	0.17	0.12	n.a.	15.58	0.00	n.a.	n.a.	n.a.	100.55
n.a.	n.a.	n.a.	n.a.	90644	2	chromite	0.03	0.00	3.57	7.56	44.79	0.16	32.03	0.30	0.08	n.a.	11.10	0.00	n.a.	n.a.	n.a.	99.61
n.a.	n.a.	n.a.	n.a.	90645	1	chromite	0.06	0.00	2.73	14.11	36.84	0.17	32.52	0.21	0.00	n.a.	12.98	0.01	n.a.	n.a.	n.a.	99.63
n.a.	n.a.	n.a.	n.a.	90645	2	Ilmenite	0.04	0.00	52.60	0.00	0.04	0.37	45.11	0.67	0.30	n.a.	0.99	0.01	n.a.	n.a.	n.a.	100.11
n.a.	n.a.	n.a.	n.a.	90661	2	Ilmenite	0.13	0.00	51.08	0.00	0.03	0.24	46.53	0.76	0.05	n.a.	0.00	0.00	n.a.	n.a.	n.a.	98.82
n.a.	n.a.	n.a.	n.a.	90667	1	Mg-ilmenite	0.05	0.00	52.65	0.43	0.10	0.47	32.48	0.22	0.05	n.a.	12.45	0.03	n.a.	n.a.	n.a.	98.94
n.a.	n.a.	n.a.	n.a.	90690	1	chromite	0.00	0.00	1.72	16.96	43.36	0.14	21.30	0.19	0.14	n.a.	15.74	0.00	n.a.	n.a.	n.a.	99.55
n.a.	n.a.	n.a.	n.a.	90692	1	chromite	0.00	0.00	3.22	10.32	43.26	0.13	32.20	0.32	0.00	n.a.	9.86	0.01	n.a.	n.a.	n.a.	99.33
n.a.	n.a.	n.a.	n.a.	90701	1	chromite	0.00	0.00	0.12	16.17	47.84	0.05	29.09	0.35	0.27	n.a.	7.22	0.00	n.a.	n.a.	n.a.	101.10
n.a.	n.a.	n.a.	n.a.	90701	2	Mg-ilmenite	0.21	0.00	47.79	0.41	0.92	0.55	39.00	0.29	0.14	n.a.	9.38	0.02	n.a.	n.a.	n.a.	98.71
n.a.	n.a.	n.a.	n.a.	90702	1	Mg-ilmenite	0.03	0.00	51.78	0.56	0.11	0.49	33.69	0.21	0.00	n.a.	11.80	0.03	n.a.	n.a.	n.a.	98.70
n.a.	n.a.	n.a.	n.a.	90702	2	Mg-ilmenite	0.06	0.00	52.24	0.35	0.28	0.39	35.75	0.33	0.04	n.a.	10.37	0.03	n.a.	n.a.	n.a.	99.83
n.a.	n.a.	n.a.	n.a.	90765	1	chromite	0.00	0.00	2.01	15.53	44.23	0.14	24.46	0.24	0.12	n.a.	14.32	0.00	n.a.	n.a.	n.a.	101.06
n.a.	n.a.	n.a.	n.a.	90765	2	Mg-ilmenite	0.01	0.00	51.78	0.12	1.29	0.34	34.49	0.30	0.00	n.a.	10.44	0.00	n.a.	n.a.	n.a.	98.78
n.a.	n.a.	n.a.	n.a.	90765	3	Ilmenite	0.34	0.00	46.90	0.00	0.01	0.19	44.15	2.85	0.29	n.a.	4.48	0.01	n.a.	n.a.	n.a.	99.22
n.a.	n.a.	n.a.	n.a.	90780	2	chromite	0.00	0.00	1.88	16.36	42.30	0.10	25.15	0.28	0.12	n.a.	13.98	0.00	n.a.	n.a.	n.a.	100.16
n.a.	n.a.	n.a.	n.a.	90789	1	Cr-spinel	0.09	0.00	1.49	28.37	32.53	0.20	21.72	0.20	0.15	n.a.	15.15	0.00	n.a.	n.a.	n.a.	99.90
n.a.	n.a.	n.a.	n.a.	90812	1	Mg-ilmenite	0.24	0.00	46.52	0.01	1.88	0.58	40.98	0.26	0.00	n.a.	8.02	0.00	n.a.	n.a.	n.a.	98.48
n.a.	n.a.	n.a.	n.a.	90831	2	chromite	0.00	0.00	1.97	13.38	45.67	0.13	24.05	0.20	0.00	n.a.	14.08	0.01	n.a.	n.a.	n.a.	99.48
n.a.	n.a.	n.a.	n.a.	90837	1	chromite	0.12	0.00	2.91	7.48	48.94	0.17	28.35	0.28	0.12	n.a.	11.55	0.00	n.a.	n.a.	n.a.	99.92

n.a.	n.a.	n.a.	n.a.	90840	1	Cr-spinel	0.03	0.00	0.09	34.83	30.47	0.02	9.85	0.78	0.17	n.a.	23.14	0.01	n.a.	n.a.	n.a.	99.39
n.a.	n.a.	n.a.	n.a.	90860	1	chromite	0.00	0.00	0.90	20.86	44.05	0.11	19.24	0.25	0.14	n.a.	14.92	0.00	n.a.	n.a.	n.a.	100.47
n.a.	n.a.	n.a.	n.a.	90862	1	Mg-ilmenite	0.20	0.00	53.35	0.48	3.48	0.43	26.32	0.23	0.17	n.a.	15.02	0.02	n.a.	n.a.	n.a.	99.70
n.a.	n.a.	n.a.	n.a.	90902	1	chromite	0.00	0.00	3.15	12.26	43.58	0.13	27.28	0.21	0.07	n.a.	13.34	0.01	n.a.	n.a.	n.a.	100.03
n.a.	n.a.	n.a.	n.a.	90902	2	chromite	0.05	0.00	2.21	14.06	42.89	0.12	26.19	0.22	0.13	n.a.	14.31	0.01	n.a.	n.a.	n.a.	100.18
n.a.	n.a.	n.a.	n.a.	90903	1	chromite	0.00	0.00	1.92	16.70	42.56	0.06	23.04	0.17	0.08	n.a.	15.50	0.01	n.a.	n.a.	n.a.	100.04
n.a.	n.a.	n.a.	n.a.	91589	2	Cr-spinel	0.03	0.00	1.73	28.27	28.68	0.15	26.60	0.20	0.11	n.a.	14.21	0.01	n.a.	n.a.	n.a.	100.01
n.a.	n.a.	n.a.	n.a.	91589	3	chromite	0.02	0.00	2.72	12.87	42.38	0.16	29.67	0.29	0.07	n.a.	11.96	0.02	n.a.	n.a.	n.a.	100.16
n.a.	n.a.	n.a.	n.a.	91612	1	chromite	0.03	0.00	4.37	8.84	48.01	0.28	24.45	0.30	0.00	n.a.	13.07	0.01	n.a.	n.a.	n.a.	99.36
n.a.	n.a.	n.a.	n.a.	91612	2	chromite	0.02	0.00	4.64	7.95	34.22	0.06	39.97	0.47	0.00	n.a.	11.39	0.01	n.a.	n.a.	n.a.	98.73
n.a.	n.a.	n.a.	n.a.	91612	3	Ilmenite	0.13	0.00	62.29	0.12	0.28	0.64	29.93	0.43	0.00	n.a.	1.12	0.11	n.a.	n.a.	n.a.	95.05
n.a.	n.a.	n.a.	n.a.	91620	2	Cr-spinel	0.00	0.00	0.63	31.00	36.35	0.14	14.78	0.19	0.10	n.a.	17.55	0.00	n.a.	n.a.	n.a.	100.74
n.a.	n.a.	n.a.	n.a.	91620	3	chromite	0.02	0.00	2.76	7.29	45.86	0.08	33.88	0.55	0.19	n.a.	8.87	0.02	n.a.	n.a.	n.a.	99.50
n.a.	n.a.	n.a.	n.a.	91620	4	Ilmenite	0.02	0.00	51.31	0.00	0.06	0.36	46.60	0.20	0.04	n.a.	1.00	0.00	n.a.	n.a.	n.a.	99.60
n.a.	n.a.	n.a.	n.a.	91620	5	Mg-ilmenite	0.28	0.00	46.25	0.00	3.31	0.61	39.35	0.31	0.15	n.a.	8.73	0.00	n.a.	n.a.	n.a.	98.99
n.a.	n.a.	n.a.	n.a.	91623	1	Ilmenite	0.09	0.00	49.92	0.00	0.10	0.52	48.13	0.59	0.11	n.a.	0.15	0.00	n.a.	n.a.	n.a.	99.60
n.a.	n.a.	n.a.	n.a.	91634	1	Mg-ilmenite	0.21	0.00	48.06	0.39	0.85	0.64	38.08	0.29	0.21	n.a.	9.83	0.00	n.a.	n.a.	n.a.	98.56
n.a.	n.a.	n.a.	n.a.	91634	2	chromite	0.05	0.00	3.99	9.71	46.54	0.16	26.49	0.26	0.05	n.a.	12.36	0.01	n.a.	n.a.	n.a.	99.63
n.a.	n.a.	n.a.	n.a.	91647	1	chromite	0.00	0.00	2.33	14.20	39.98	0.09	29.61	0.26	0.03	n.a.	13.64	0.01	n.a.	n.a.	n.a.	100.15
n.a.	n.a.	n.a.	n.a.	91749	1	chromite	0.00	0.00	1.77	15.76	46.23	0.18	21.26	0.23	0.14	n.a.	15.03	0.00	n.a.	n.a.	n.a.	100.60
n.a.	n.a.	n.a.	n.a.	91759	1	Mg-ilmenite	0.00	0.00	52.08	0.07	0.48	0.33	36.28	0.44	0.01	n.a.	9.94	0.03	n.a.	n.a.	n.a.	99.66
n.a.	n.a.	n.a.	n.a.	91761	1	Mg-ilmenite	0.38	0.00	49.97	0.00	3.81	0.49	33.37	0.30	0.11	n.a.	10.97	0.01	n.a.	n.a.	n.a.	99.40
n.a.	n.a.	n.a.	n.a.	91767	1	Mg-ilmenite	0.00	0.00	53.15	0.46	1.03	0.48	31.23	0.26	0.10	n.a.	12.87	0.04	n.a.	n.a.	n.a.	99.62
n.a.	n.a.	n.a.	n.a.	91790	1	chromite	0.00	0.00	2.20	14.61	43.96	0.16	25.12	0.23	0.13	n.a.	14.39	0.00	n.a.	n.a.	n.a.	100.79
n.a.	n.a.	n.a.	n.a.	91791	1	Mg-ilmenite	0.16	0.00	51.65	0.12	0.12	0.51	36.29	0.30	0.00	n.a.	10.51	0.02	n.a.	n.a.	n.a.	99.68
n.a.	n.a.	n.a.	n.a.	91791	2	chromite	0.02	0.00	1.94	11.00	52.55	0.12	22.99	0.24	0.22	n.a.	9.72	0.01	n.a.	n.a.	n.a.	98.81
n.a.	n.a.	n.a.	n.a.	91820	3	Ilmenite	0.06	0.00	51.82	0.00	0.15	0.40	43.18	0.33	0.00	n.a.	2.23	0.01	n.a.	n.a.	n.a.	98.17
n.a.	n.a.	n.a.	n.a.	91824	1	Mg-ilmenite	0.13	0.00	50.76	0.10	0.62	0.33	35.92	0.46	0.17	n.a.	10.61	0.03	n.a.	n.a.	n.a.	99.13
n.a.	n.a.	n.a.	n.a.	91847	2	Mg-ilmenite	0.12	0.00	53.25	0.29	0.40	0.54	31.97	0.29	0.00	n.a.	12.59	0.01	n.a.	n.a.	n.a.	99.47
n.a.	n.a.	n.a.	n.a.	91847	3	Mg-ilmenite	0.09	0.00	47.57	0.39	0.08	0.30	41.10	0.40	0.00	n.a.	8.54	0.06	n.a.	n.a.	n.a.	98.52
n.a.	n.a.	n.a.	n.a.	91847	4	magnetite	0.00	0.00	0.06	0.11	0.12	0.15	91.56	0.08	0.00	n.a.	0.02	0.00	n.a.	n.a.	n.a.	92.10
n.a.	n.a.	n.a.	n.a.	91850	1	Mg-ilmenite	0.07	0.00	51.68	0.10	1.01	0.39	36.07	0.30	0.09	n.a.	10.01	0.02	n.a.	n.a.	n.a.	99.74
n.a.	n.a.	n.a.	n.a.	91851	1	Ilmenite	0.00	0.00	62.23	1.27	0.13	0.63	24.10	0.34	0.00	n.a.	0.60	0.14	n.a.	n.a.	n.a.	89.44
n.a.	n.a.	n.a.	n.a.	91855	2	chromite	0.03	0.00	1.76	18.19	43.68	0.15	23.31	0.19	0.08	n.a.	14.14	0.01	n.a.	n.a.	n.a.	101.54
n.a.	n.a.	n.a.	n.a.	91855	2	Mg-ilmenite	0.16	0.00	47.89	0.03	0.21	0.46	42.60	0.34	0.18	n.a.	6.73	0.00	n.a.	n.a.	n.a.	98.59
n.a.	n.a.	n.a.	n.a.	91901	1	chromite	0.00	0.00	5.03	15.25	40.20	0.21	25.04	0.20	0.17	n.a.	14.09	0.01	n.a.	n.a.	n.a.	100.21
n.a.	n.a.	n.a.	n.a.	91914	1	Cr-spinel	0.01	0.00	0.93	35.21	29.15	0.11	16.69	0.15	0.17	n.a.	17.78	0.00	n.a.	n.a.	n.a.	100.20
n.a.	n.a.	n.a.	n.a.	91914	2	Cr-spinel	0.00	0.00	1.93	24.18	35.24	0.13	19.91	0.16	0.09	n.a.	16.96	0.00	n.a.	n.a.	n.a.	98.59
n.a.	n.a.	n.a.	n.a.	91914	3	Mg-ilmenite	0.11	0.00	51.75	0.20	0.26	0.39	36.73	0.41	0.08	n.a.	9.67	0.03	n.a.	n.a.	n.a.	99.62
n.a.	n.a.	n.a.	n.a.	91915	2	Ilmenite	0.09	0.00	57.04	0.00	0.05	0.55	33.73	0.48	0.01	n.a.	0.47	0.03	n.a.	n.a.	n.a.	92.45
n.a.	n.a.	n.a.	n.a.	91918	1	chromite	0.00	0.00	1.94	12.38	48.36	0.13	24.42	0.19	0.08	n.a.	11.54	0.01	n.a.	n.a.	n.a.	99.06
n.a.	n.a.	n.a.	n.a.	91918	2	chromite	0.00	0.00	3.08	12.41	34.77	0.14	38.56	0.27	0.12	n.a.	7.27	0.00	n.a.	n.a.	n.a.	96.61
n.a.	n.a.	n.a.	n.a.	91918	3	Mg-ilmenite	0.02	0.00	46.67	0.44	0.03	0.29	40.31	0.30	0.10	n.a.	9.14	0.05	n.a.	n.a.	n.a.	97.35
n.a.	n.a.	n.a.	n.a.	877751	1	chromite	0.00	0.00	2.09	13.13	44.08	0.13	26.65	0.20	0.00	n.a.	13.06	0.00	n.a.	n.a.	n.a.	99.34
n.a.	n.a.	n.a.	n.a.	877751	2	chromite	0.00	0.00	3.28	7.02	46.75	0.09	28.24	0.25	0.06	n.a.	13.71	0.00	n.a.	n.a.	n.a.	99.40
n.a.	n.a.	n.a.	n.a.	877752	1	Cr-spinel	0.04	0.00	0.58	45.80	17.61	0.09	17.68	0.16	0.09	n.a.	17.80	0.00	n.a.	n.a.	n.a.	99.85
n.a.	n.a.	n.a.	n.a.	877752	2	chromite	0.00	0.00	6.34	6.14	29.76	0.21	45.69	1.76	0.15	n.a.	7.86	0.00	n.a.	n.a.	n.a.	97.91
n.a.	n.a.	n.a.	n.a.	877752	3	chromite	0.00	0.00	5.24	8.26	37.72	0.11	32.14	0.24	0.00	n.a.	15.81	0.00	n.a.	n.a.	n.a.	99.51
n.a.	n.a.	n.a.	n.a.	877755	1	Nb-rutile	3.26	0.00	92.96	0.00	0.14	1.36	1.09	0.00	0.00	n.a.	0.00	0.00	n.a.	n.a.	n.a.	98.81
n.a.	n.a.	n.a.	n.a.	877756	1	chromite	0.09	0.00	1.60	13.51	45.71	0.10	24.12	0.22	0.19	n.a.	13.65	0.01	n.a.	n.a.	n.a.	99.20
n.a.	n.a.	n.a.	n.a.	877756	2	Cr-spinel	0.06	0.00	2.18	23.12	34.23	0.23	25.98	0.24	0.20	n.a.	13.38	0.00	n.a.	n.a.	n.a.	99.60
n.a.	n.a.	n.a.	n.a.	877756	3	Mg-ilmenite	0.15	0.00	50.57	0.25	0.00	0.39	39.10	0.36	0.11	n.a.	8.16	0.01	n.a.	n.a.	n.a.	99.10
n.a.	n.a.	n.a.	n.a.	877777	1	magnetite	0.00	0.00	0.03	0.18	0.10	0.27	94.27	0.04	0.04	n.a.	0.00	0.00	n.a.	n.a.	n.a.	94.94
n.a.	n.a.	n.a.	n.a.	877777	2	chromite	0.00	0.00	1.29	25.78	39.15	0.16	19.78	0.14	0.21	n.a.	12.85	0.00	n.a.	n.a.	n.a.	99.38
n.a.	n.a.	n.a.	n.a.	877777	3	Ilmenite	0.00	0.00	52.37	0.01	0.06	0.48	38.37	0.39	0.11	n.a.	1.86	0.03	n.a.	n.a.	n.a.	93.68
n.a.	n.a.	n.a.	n.a.	877790	1	chromite	0.00	0.00	1.10	20.60	43.05	0.10	20.23	0.19	0.09	n.a.	15.12	0.01	n.a.	n.a.	n.a.	100.48
n.a.	n.a.	n.a.	n.a.	877790	2	Cr-spinel	0.07	0.00	0.96	30.57	35.48	0.13	16.93	0.18	0.23	n.a.	16.77	0.00	n.a.	n.a.	n.a.	101.33
n.a.	n.a.	n.a.	n.a.	877792	2	Mg-ilmenite	0.18	0.00	44.84	0.54	0.29	0.68	43.50	0.26	0.31	n.a.	8.52	0.02	n.a.	n.a.	n.a.	99.15

n.a.	n.a.	n.a.	n.a.	877794	1	chromite	0.04	0.00	2.44	7.93	52.61	0.05	22.92	0.18	0.01	n.a.	11.72	0.00	n.a.	n.a.	n.a.	97.90
n.a.	n.a.	n.a.	n.a.	877794	2	Ilmenite	0.22	0.00	50.44	0.00	0.01	0.22	41.62	3.06	0.17	n.a.	3.69	0.00	n.a.	n.a.	n.a.	99.44
n.a.	n.a.	n.a.	n.a.	877794	3	Nb-rutile	4.18	0.00	88.46	0.00	0.05	0.91	2.88	0.00	0.00	n.a.	0.00	0.11	n.a.	n.a.	n.a.	96.58
n.a.	n.a.	n.a.	n.a.	877794	4	chromite	0.00	0.00	2.87	7.49	49.23	0.06	25.48	0.24	0.11	n.a.	13.94	0.01	n.a.	n.a.	n.a.	99.43
n.a.	n.a.	n.a.	n.a.	877798	1	Mg-ilmenite	0.02	0.00	47.54	0.14	0.03	0.35	41.62	0.35	0.08	n.a.	6.92	0.03	n.a.	n.a.	n.a.	97.07
n.a.	n.a.	n.a.	n.a.	878164	1	chromite	0.11	0.00	2.22	17.69	37.46	0.11	27.60	0.23	0.00	n.a.	13.75	0.01	n.a.	n.a.	n.a.	99.18
n.a.	n.a.	n.a.	n.a.	878192	2	Mg-ilmenite	0.35	0.00	44.79	0.43	0.88	0.65	43.28	0.34	0.00	n.a.	7.88	0.00	n.a.	n.a.	n.a.	98.60
n.a.	n.a.	n.a.	n.a.	878192	3	FeMg-rutile	0.00	0.00	70.48	0.60	0.05	0.70	21.26	0.24	0.00	n.a.	0.11	0.16	n.a.	n.a.	n.a.	93.59
n.a.	n.a.	n.a.	n.a.	878192	4	chromite	0.00	0.00	1.12	17.71	49.24	0.11	17.51	0.18	0.00	n.a.	13.06	0.01	n.a.	n.a.	n.a.	98.93
n.a.	n.a.	n.a.	n.a.	886937	3	chromite	0.00	0.00	3.88	10.37	43.05	0.17	28.89	0.28	0.15	n.a.	11.99	0.01	n.a.	n.a.	n.a.	98.80
n.a.	n.a.	n.a.	n.a.	886940	2	Mg-ilmenite	0.06	0.00	51.09	0.41	1.59	0.35	34.20	0.26	0.00	n.a.	10.87	0.02	n.a.	n.a.	n.a.	98.85
n.a.	n.a.	n.a.	n.a.	886940	3	chromite	0.03	0.00	4.22	15.50	37.32	0.28	29.50	0.23	0.12	n.a.	12.58	0.02	n.a.	n.a.	n.a.	99.80
n.a.	n.a.	n.a.	n.a.	886940	4	Ilmenite	0.35	0.00	47.15	0.00	0.00	0.24	43.92	3.17	0.21	n.a.	3.89	0.02	n.a.	n.a.	n.a.	98.95
n.a.	n.a.	n.a.	n.a.	886940	5	Cr-spinel	0.00	0.00	0.65	32.53	34.50	0.13	15.67	0.15	0.11	n.a.	17.53	0.01	n.a.	n.a.	n.a.	101.27
n.a.	n.a.	n.a.	n.a.	886940	6	chromite	0.00	0.00	2.44	17.64	36.87	0.16	30.25	0.33	0.00	n.a.	12.15	0.00	n.a.	n.a.	n.a.	99.83
n.a.	n.a.	n.a.	n.a.	886940	7	Cr-spinel	0.02	0.00	0.09	29.54	38.88	0.15	14.80	0.18	0.10	n.a.	17.21	0.01	n.a.	n.a.	n.a.	100.98
n.a.	n.a.	n.a.	n.a.	886940	8	rutile	0.76	0.00	95.44	0.00	0.18	1.35	0.15	0.00	0.00	n.a.	0.00	0.00	n.a.	n.a.	n.a.	97.88
n.a.	n.a.	n.a.	n.a.	887866	1	Mg-ilmenite	2.00	0.00	56.28	0.00	0.01	0.26	17.29	1.56	0.07	n.a.	21.32	0.00	n.a.	n.a.	n.a.	98.79
n.a.	n.a.	n.a.	n.a.	887866	2	chromite	0.11	0.00	4.78	6.99	41.73	0.13	32.64	0.30	0.16	n.a.	13.14	0.01	n.a.	n.a.	n.a.	99.97
n.a.	n.a.	n.a.	n.a.	887866	3	chromite	0.08	0.00	2.71	12.69	39.14	0.10	32.87	0.31	0.00	n.a.	11.48	0.00	n.a.	n.a.	n.a.	99.37
n.a.	n.a.	n.a.	n.a.	887989	3	chromite	0.00	0.00	4.72	9.48	36.27	0.14	36.54	0.33	0.07	n.a.	11.06	0.01	n.a.	n.a.	n.a.	98.63
n.a.	n.a.	n.a.	n.a.	887989	4	chromite	0.06	0.00	5.12	10.11	37.31	0.12	35.67	0.33	0.02	n.a.	11.03	0.00	n.a.	n.a.	n.a.	99.78
n.a.	n.a.	n.a.	n.a.	887989	5	Mg-ilmenite	0.05	0.00	48.31	0.24	0.08	0.29	40.97	0.45	0.00	n.a.	8.63	0.04	n.a.	n.a.	n.a.	99.06
68	HDM2005-6 # 58			91501	1	Cr-Pyrope	n.a.	39.31	0.15	19.50	6.11	n.a.	7.10	0.47	n.a.	0.01	20.23	4.91	0.01	0.05	0.00	97.85
13	HDM2005-6 # 1			90159	1	Cr-Pyrope	n.a.	41.62	0.16	17.65	8.37	n.a.	7.44	0.44	n.a.	0.00	18.82	6.20	0.00	0.06	0.01	100.77
50	HDM2005-6 # 40			90923	1	Cr-Pyrope	n.a.	42.74	0.24	19.40	5.87	n.a.	7.80	0.47	n.a.	0.00	19.81	5.11	0.00	0.04	0.00	101.47
72	HDM2005-6 #60			91504	1	Cr-Pyrope	n.a.	42.87	0.13	20.67	4.28	n.a.	7.44	0.33	n.a.	0.00	20.50	4.85	0.00	0.05	0.00	101.14
73	HDM2005-6 #61			91504	2	Cr-Pyrope	n.a.	42.63	0.28	20.82	4.05	n.a.	7.28	0.33	n.a.	0.00	20.50	5.02	0.00	0.05	0.01	100.97
80	HDM2005-6 #68			91523	1	Cr-Pyrope	n.a.	42.31	0.07	19.89	5.18	n.a.	7.80	0.44	n.a.	0.06	18.73	6.21	0.00	0.02	0.00	100.71
84	HDM2005-6 #72			91533	1	Cr-Pyrope	n.a.	42.78	0.25	20.00	5.24	n.a.	6.43	0.28	n.a.	0.00	21.20	5.03	0.01	0.04	0.00	101.26
85	HDM2005-6 #73			91533	2	Cr-Pyrope	n.a.	42.09	0.23	18.15	7.53	n.a.	7.50	0.45	n.a.	0.01	18.61	6.17	0.00	0.06	0.00	100.80
98	HDM2005-6 #77			91538	1	Cr-Pyrope	n.a.	42.04	0.11	21.27	4.11	n.a.	6.93	0.43	n.a.	0.00	20.99	4.82	0.04	0.04	0.01	100.77
95	HDM2005-6 #90			91560	1	Cr-Pyrope	n.a.	42.94	0.14	20.90	4.19	n.a.	7.43	0.44	n.a.	0.00	20.10	5.27	0.03	0.01	0.00	101.46
110	HDM2005-6 #105			91611	1	Cr-Pyrope	n.a.	42.49	0.20	21.39	3.85	n.a.	7.84	0.46	n.a.	0.03	20.01	4.61	0.00	0.04	0.00	100.91
111	HDM2005-6 #106			91613	1	Cr-Pyrope	n.a.	42.26	0.27	17.88	7.71	n.a.	7.04	0.34	n.a.	0.03	18.90	6.85	0.00	0.02	0.00	101.31
114	HDM2005-6 #109			91624	1	Cr-Pyrope	n.a.	42.95	0.13	19.58	5.88	n.a.	6.71	0.15	n.a.	0.00	19.92	5.55	0.01	0.03	0.01	100.93
121	HDM2005-6 #113			91644	1	Cr-Pyrope	n.a.	41.97	0.20	18.55	7.11	n.a.	7.68	0.21	n.a.	0.05	19.06	5.96	0.07	0.03	0.00	100.89
13	HDM2005-6 #119			91671	1	Cr-Pyrope	n.a.	42.57	0.06	20.49	4.68	n.a.	6.47	0.33	n.a.	0.00	20.46	5.40	0.01	0.02	0.00	100.50
21	HDM2005-6 #127			91729	1	Cr-Pyrope	n.a.	42.30	0.08	20.85	4.43	n.a.	6.95	0.40	n.a.	0.00	20.55	5.39	0.03	0.02	0.01	101.01
30	HDM2005-6 #136			91765	1	Cr-Pyrope	n.a.	42.38	0.03	20.53	4.75	n.a.	6.97	0.45	n.a.	0.00	19.95	5.87	0.04	0.03	0.00	100.99
31	HDM2005-6 #137			91770	1	Cr-Pyrope	n.a.	42.50	0.13	21.17	4.30	n.a.	7.13	0.42	n.a.	0.00	20.30	5.30	0.02	0.02	0.00	101.30
37	HDM2005-6 #150			91863	1	Cr-Pyrope	n.a.	42.63	0.09	20.19	5.25	n.a.	7.13	0.40	n.a.	0.02	20.09	5.63	0.00	0.01	0.00	101.43
51	HDM2005-6 #161			877768	1	Cr-Pyrope	n.a.	42.09	0.17	20.96	4.20	n.a.	6.98	0.39	n.a.	0.02	20.43	4.99	0.00	0.05	0.01	100.29
56	HDM2005-6 #166			878170	1	Cr-Pyrope	n.a.	41.03	0.20	18.54	6.96	n.a.	6.77	0.43	n.a.	0.02	19.85	5.88	0.09	0.02	0.00	99.80
59	HDM2005-6 #169			888100	1	Cr-Pyrope	n.a.	40.72	0.15	16.56	9.62	n.a.	6.89	0.42	n.a.	0.00	19.25	6.37	0.00	0.02	0.00	100.00
15	HDM2005-6 # 3			90541	1	Cr-diopside	n.a.	51.89	0.46	3.50	1.11	n.a.	6.33	0.13	n.a.	0.06	15.74	19.89	0.00	0.22	0.01	99.34
16	HDM2005-6 # 4			90546	1	Cr-diopside	n.a.	52.69	0.22	3.20	1.18	n.a.	5.10	0.15	n.a.	0.00	17.20	19.61	0.00	0.22	0.00	99.57
71	HDM2005-6 #181			90589	2	Cr-diopside	n.a.	53.85	0.06	1.02	0.69	n.a.	4.19	0.15	n.a.	0.01	15.16	23.83	0.00	0.72	0.02	99.68
18	HDM2005-6 # 6			90592	1	Cr-diopside	n.a.	54.50	0.05	1.01	0.52	n.a.	4.73	0.23	n.a.	0.00	14.75	23.17	0.00	0.65	0.00	99.60
22	HDM2005-6 # 10			90602	1	Cr-diopside	n.a.	53.15	0.20	2.91	1.15	n.a.	5.56	0.14	n.a.	0.07	17.97	18.57	0.04	0.18	0.00	99.94
35	HDM2005-6 # 21			90784	1	Cr-diopside	n.a.	55.17	0.03	0.74	0.54	n.a.	4.44	0.26	n.a.	0.06	14.65	23.93	0.03	0.56	0.00	100.41
n.a.	HDM2005-6 # 24			90822	1	Cr-diopside	n.a.	52.78	0.15	2.41	0.93	n.a.	5.18	0.15	n.a.	0.05	18.34	19.27	0.02	0.23	0.00	99.50
n.a.	HDM2005-6 # 26			90832	1	Cr-diopside	n.a.	53.08	0.08	1.41	0.63	n.a.	6.07	0.18	n.a.	0.10	16.11	21.40	0.04	0.54	0.00	99.64
40	HDM2005-6 # 30			90842	1	Cr-diopside	n.a.	55.26	0.04	0.76	0.59	n.a.	3.91	0.20	n.a.	0.06	15.22	24.15	0.00	0.59	0.00	100.79

41	HDM2005-6 # 31	90843	1	Cr-diopside	n.a.	55.02	0.04	0.82	0.52	n.a.	4.10	0.15	n.a.	0.06	15.18	23.72	0.00	0.58	0.00	100.19
45	HDM2005-6 # 35	90857	1	Cr-diopside	n.a.	52.89	0.18	3.01	1.16	n.a.	5.07	0.17	n.a.	0.08	17.23	19.03	0.00	0.20	0.00	99.03
46	HDM2005-6 # 36	90869	1	Cr-diopside	n.a.	54.78	0.02	0.92	0.85	n.a.	4.43	0.25	n.a.	0.01	14.84	23.36	0.00	0.76	0.00	100.24
49	HDM2005-6 # 39	90916	1	Cr-diopside	n.a.	55.26	0.08	0.85	0.58	n.a.	4.26	0.21	n.a.	0.06	15.20	23.09	0.00	0.69	0.00	100.30
51	HDM2005-6 # 41	90925	1	Cr-diopside	n.a.	53.34	0.23	3.17	1.20	n.a.	5.12	0.11	n.a.	0.01	17.13	19.40	0.00	0.20	0.00	99.91
54	HDM2005-6 # 44	90936	1	Cr-diopside	n.a.	54.51	0.19	2.20	0.95	n.a.	5.28	0.13	n.a.	0.04	18.10	18.75	0.04	0.18	0.01	100.38
55	HDM2005-6 # 45	90937	1	Cr-diopside	n.a.	53.21	0.20	2.77	0.98	n.a.	5.53	0.18	n.a.	0.02	17.96	18.84	0.00	0.18	0.00	99.87
63	HDM2005-6 # 53	90976	1	Cr-diopside	n.a.	54.79	0.04	1.32	0.66	n.a.	7.40	0.36	n.a.	0.13	16.09	19.15	0.00	0.53	0.00	100.46
66	HDM2005-6 # 56	90979	1	Cr-diopside	n.a.	54.91	0.06	0.82	0.63	n.a.	4.05	0.15	n.a.	0.06	15.16	23.54	0.03	0.68	0.01	100.10
67	HDM2005-6 # 57	90982	1	Cr-diopside	n.a.	54.06	0.17	2.53	0.99	n.a.	5.26	0.06	n.a.	0.01	17.84	19.58	0.02	0.19	0.00	100.72
74	HDM2005-6 #62	91505	1	Cr-diopside	n.a.	54.46	0.02	1.91	0.89	n.a.	4.85	0.28	n.a.	0.13	14.82	22.98	0.00	0.44	0.00	100.77
75	HDM2005-6 #63	91505	2	Cr-diopside	n.a.	55.15	0.04	0.83	0.73	n.a.	5.77	0.29	n.a.	0.00	14.40	22.85	0.06	0.69	0.00	100.81
86	HDM2005-6 #74	91535	1	Cr-diopside	n.a.	55.08	0.19	1.72	1.09	n.a.	2.73	0.12	n.a.	0.12	16.07	23.49	0.03	0.47	0.00	101.10
87	HDM2005-6 #75	91536	1	Cr-diopside	n.a.	55.84	0.03	1.29	0.88	n.a.	4.07	0.06	n.a.	0.12	16.77	21.39	0.04	0.63	0.00	101.12
112	HDM2005-6 #76	91537	1	Cr-diopside	n.a.	53.58	0.06	1.73	0.58	n.a.	4.56	0.16	n.a.	0.01	15.29	23.26	0.03	0.47	0.01	99.73
99	HDM2005-6 #78	91544	1	Cr-diopside	n.a.	53.83	0.05	1.02	0.65	n.a.	4.17	0.14	n.a.	0.07	15.60	23.26	0.00	0.57	0.00	99.37
91	HDM2005-6 #86	91555	1	Cr-diopside	n.a.	54.54	0.10	1.55	0.72	n.a.	4.39	0.14	n.a.	0.11	15.36	22.96	0.00	0.56	0.00	100.44
93	HDM2005-6 #88	91558	1	Cr-diopside	n.a.	54.54	0.23	1.92	1.54	n.a.	3.42	0.11	n.a.	0.10	15.93	22.05	0.00	0.63	0.00	100.48
97	HDM2005-6 #92	91562	1	Cr-diopside	n.a.	54.64	0.20	2.37	1.51	n.a.	2.65	0.09	n.a.	0.01	15.83	23.55	0.05	0.51	0.00	101.40
98	HDM2005-6 #93	91562	2	Cr-diopside	n.a.	54.62	0.06	1.65	0.82	n.a.	3.41	0.02	n.a.	0.14	15.95	23.38	0.03	0.38	0.00	100.47
103	HDM2005-6 #98	91565	1	Cr-diopside	n.a.	54.50	0.03	1.85	0.78	n.a.	5.60	0.21	n.a.	0.00	14.81	22.92	0.00	0.32	0.01	101.02
105	HDM2005-6 #100	91567	1	Cr-diopside	n.a.	53.33	0.17	2.97	1.09	n.a.	4.97	0.17	n.a.	0.06	17.36	19.42	0.05	0.18	0.00	99.77
106	HDM2005-6 #101	91574	1	Cr-diopside	n.a.	55.13	0.14	2.23	0.86	n.a.	2.06	0.07	n.a.	0.13	16.42	23.43	0.02	0.54	0.00	101.02
107	HDM2005-6 #102	91579	1	Cr-diopside	n.a.	55.23	0.00	1.88	0.68	n.a.	3.74	0.14	n.a.	0.15	15.97	22.51	0.00	0.74	0.00	101.05
78	HDM2005-6 #188	91599	2	Cr-diopside	n.a.	53.55	0.17	2.00	0.68	n.a.	3.55	0.07	n.a.	0.14	15.86	23.66	0.00	0.42	0.00	100.11
80	HDM2005-6 #190	91603	2	Cr-diopside	n.a.	53.20	0.03	1.89	0.57	n.a.	4.35	0.13	n.a.	0.00	15.38	22.88	0.06	0.48	0.00	98.96
84	HDM2005-6 #194	91608	3	Cr-diopside	n.a.	53.50	0.03	1.62	0.76	n.a.	3.72	0.10	n.a.	0.06	16.03	23.38	0.00	0.43	0.00	99.65
85	HDM2005-6 #195	91609	1	Cr-diopside	n.a.	53.35	0.17	2.20	0.60	n.a.	3.14	0.17	n.a.	0.00	15.82	23.74	0.00	0.44	0.00	99.61
113	HDM2005-6 #108	91622	1	Cr-diopside	n.a.	54.85	0.29	2.32	1.32	n.a.	1.31	0.06	n.a.	0.01	16.94	22.36	0.00	0.42	0.00	99.87
116	HDM2005-6 #111	91624	3	Cr-diopside	n.a.	53.66	0.07	1.18	0.62	n.a.	4.00	0.07	n.a.	0.01	15.78	23.29	0.00	0.28	0.01	98.98
117	HDM2005-6 #112	91624	4	Cr-diopside	n.a.	54.64	0.24	2.23	0.62	n.a.	2.46	0.00	n.a.	0.03	15.81	23.69	0.00	0.35	0.00	100.06
122	HDM2005-6 #114	91658	1	Cr-diopside	n.a.	54.01	0.22	2.35	0.94	n.a.	5.39	0.07	n.a.	0.08	18.04	19.19	0.04	0.19	0.00	100.52
10	HDM2005-6 #116	91660	1	Cr-diopside	n.a.	54.22	0.02	0.82	0.56	n.a.	4.10	0.17	n.a.	0.00	15.46	23.89	0.01	0.72	0.00	99.95
11	HDM2005-6 #117	91664	1	Cr-diopside	n.a.	54.12	0.03	0.66	0.89	n.a.	4.93	0.15	n.a.	0.00	14.49	24.07	0.00	0.83	0.00	100.17
12	HDM2005-6 #118	91667	1	Cr-diopside	n.a.	52.15	0.25	3.41	1.32	n.a.	5.19	0.18	n.a.	0.00	17.14	19.72	0.02	0.24	0.00	99.61
14	HDM2005-6 #120	91671	2	Cr-diopside	n.a.	52.89	0.22	3.03	1.15	n.a.	5.08	0.12	n.a.	0.04	17.55	19.86	0.06	0.22	0.00	100.24
17	HDM2005-6 #123	91674	1	Cr-diopside	n.a.	53.96	0.12	1.86	0.54	n.a.	4.20	0.12	n.a.	0.03	15.84	23.09	0.00	0.65	0.00	100.42
20	HDM2005-6 #126	91726	2	Cr-diopside	n.a.	53.26	0.21	2.89	1.02	n.a.	5.69	0.19	n.a.	0.09	18.33	18.58	0.02	0.22	0.00	100.50
25	HDM2005-6 #131	91737	1	Cr-diopside	n.a.	53.65	0.24	2.20	1.20	n.a.	3.95	0.13	n.a.	0.06	15.08	23.75	0.01	0.37	0.00	100.64
27	HDM2005-6 #133	91752	1	Cr-diopside	n.a.	54.07	0.05	2.31	0.50	n.a.	4.65	0.19	n.a.	0.08	15.47	22.21	0.02	0.79	0.00	100.34
28	HDM2005-6 #134	91753	1	Cr-diopside	n.a.	55.02	0.04	0.97	0.90	n.a.	4.80	0.23	n.a.	0.13	15.27	23.19	0.00	0.60	0.00	101.14
105	HDM2005-6 #139	91783	1	Cr-diopside	n.a.	52.77	0.20	2.99	1.09	n.a.	5.06	0.14	n.a.	0.04	17.56	19.75	0.00	0.17	0.01	99.78
106	HDM2005-6 #140	91784	1	Cr-diopside	n.a.	53.29	0.10	2.10	0.59	n.a.	3.48	0.08	n.a.	0.02	15.80	23.60	0.00	0.57	0.00	99.63
107	HDM2005-6 #141	91784	2	Cr-diopside	n.a.	52.85	0.02	1.50	0.55	n.a.	5.87	0.18	n.a.	0.03	14.82	23.24	0.00	0.37	0.00	99.43
108	HDM2005-6 #142	91800	1	Cr-diopside	n.a.	53.79	0.05	1.01	0.58	n.a.	4.48	0.13	n.a.	0.02	15.41	23.56	0.04	0.65	0.00	99.71
111	HDM2005-6 #145	91805	1	Cr-diopside	n.a.	54.98	0.04	0.63	0.60	n.a.	3.87	0.11	n.a.	0.00	15.61	23.92	0.01	0.60	0.00	100.37
34	HDM2005-6 #147	91857	1	Cr-diopside	n.a.	53.76	0.32	2.15	0.62	n.a.	6.51	0.08	n.a.	0.02	17.01	20.30	0.00	0.23	0.01	101.00
41	HDM2005-6 #154	91938	1	Cr-diopside	n.a.	55.80	0.07	0.70	0.55	n.a.	3.88	0.19	n.a.	0.01	15.27	24.53	0.00	0.63	0.00	101.63
47	HDM2005-6 #157	91947	1	Cr-diopside	n.a.	52.24	0.22	3.06	1.16	n.a.	5.16	0.20	n.a.	0.09	17.45	19.57	0.02	0.24	0.00	99.41
50	HDM2005-6 #160	877767	1	Cr-diopside	n.a.	53.00	0.19	2.52	0.90	n.a.	5.19	0.18	n.a.	0.10	17.94	19.28	0.00	0.21	0.00	99.50
52	HDM2005-6 #162	877768	2	Cr-diopside	n.a.	54.96	0.08	1.47	0.54	n.a.	3.06	0.12	n.a.	0.15	16.08	23.60	0.00	0.46	0.00	100.52

53	HDM2005-6 #163	877770	1	Cr-diopside	n.a.	54.37	0.07	1.23	0.75	n.a.	4.98	0.19	n.a.	0.06	14.35	23.49	0.00	0.83	0.01	100.32
54	HDM2005-6 #164	877780	1	Cr-diopside	n.a.	51.99	0.21	2.90	1.10	n.a.	4.66	0.13	n.a.	0.04	16.92	20.74	0.04	0.19	0.01	98.93
58	HDM2005-6 #168	887467	1	Cr-diopside	n.a.	54.47	0.14	2.88	3.22	n.a.	2.19	0.06	n.a.	0.01	14.61	19.17	0.00	2.95	0.00	99.70
62	HDM2005-6 #172	KD5720	1	Cr-diopside	n.a.	53.02	0.03	2.02	0.64	n.a.	4.28	0.17	n.a.	0.04	15.60	23.36	0.00	0.39	0.01	99.57
64	HDM2005-6 #174	KD5722	2	Cr-diopside	n.a.	52.61	0.16	2.37	0.70	n.a.	3.83	0.13	n.a.	0.05	15.52	23.13	0.04	0.68	0.00	99.22
63	HDM2005-6 #173	KD5722	1	Cr-diopside	n.a.	53.67	0.07	1.31	0.57	n.a.	4.29	0.11	n.a.	0.06	14.96	22.63	0.05	1.16	0.01	98.89
14	HDM2005-6 # 2	90159	2	Diopside	n.a.	54.23	0.04	0.80	0.40	n.a.	4.95	0.42	n.a.	0.01	14.71	23.28	0.00	0.72	0.00	99.55
17	HDM2005-6 # 5	90588	1	Diopside	n.a.	54.84	0.02	0.67	0.35	n.a.	4.27	0.15	n.a.	0.07	15.10	24.12	0.00	0.48	0.01	100.09
19	HDM2005-6 # 7	90596	1	Diopside	n.a.	54.47	0.01	1.19	0.19	n.a.	4.38	0.12	n.a.	0.01	15.50	22.90	0.00	0.53	0.01	99.31
23	HDM2005-6 # 11	90632	1	Diopside	n.a.	54.86	0.12	0.83	0.36	n.a.	4.23	0.14	n.a.	0.00	15.47	23.52	0.00	0.58	0.00	100.11
24	HDM2005-6 # 12	90632	2	Diopside	n.a.	55.29	0.02	0.83	0.46	n.a.	4.70	0.16	n.a.	0.00	15.62	23.02	0.03	0.48	0.00	100.62
	HDM2005-6 # 16	90653	1	Diopside	n.a.	54.35	0.03	0.74	0.20	n.a.	5.27	0.29	n.a.	0.00	14.53	24.75	0.01	0.51	0.00	100.68
28	HDM2005-6 # 17	90659	1	Diopside	n.a.	54.92	0.06	1.00	0.37	n.a.	3.68	0.11	n.a.	0.07	15.99	23.34	0.00	0.47	0.00	100.01
29	HDM2005-6 # 18	90660	1	Diopside	n.a.	54.95	0.02	0.53	0.13	n.a.	5.05	0.19	n.a.	0.03	15.60	22.93	0.02	0.43	0.00	99.88
31	HDM2005-6 # 20	90773	1	Diopside	n.a.	55.67	0.04	0.50	0.15	n.a.	4.20	0.13	n.a.	0.00	15.63	23.38	0.00	0.33	0.00	100.03
36	HDM2005-6 # 22	90784	2	Diopside	n.a.	54.72	0.05	0.80	0.32	n.a.	3.64	0.12	n.a.	0.00	15.32	24.17	0.00	0.47	0.00	99.61
32	HDM2005-6 # 23	90789	1	Diopside	n.a.	54.40	0.06	1.07	0.48	n.a.	4.54	0.19	n.a.	0.04	15.14	23.34	0.02	0.62	0.01	99.91
n.a.	HDM2005-6 # 25	90828	1	Diopside	n.a.	53.86	0.04	0.68	0.34	n.a.	4.00	0.10	n.a.	0.07	15.66	24.23	0.00	0.52	0.01	99.51
37	HDM2005-6 # 27	90832	2	Diopside	n.a.	55.49	0.04	0.53	0.33	n.a.	3.77	0.14	n.a.	0.00	15.35	24.44	0.01	0.35	0.00	100.46
42	HDM2005-6 # 32	90848	1	Diopside	n.a.	55.02	0.00	1.19	0.24	n.a.	5.02	0.26	n.a.	0.00	15.13	22.62	0.07	0.60	0.00	100.15
43	HDM2005-6 # 33	90848	2	Diopside	n.a.	55.24	0.03	0.47	0.15	n.a.	4.97	0.19	n.a.	0.02	15.23	23.31	0.00	0.43	0.00	100.05
44	HDM2005-6 # 34	90853	1	Diopside	n.a.	54.56	0.08	1.05	0.27	n.a.	4.18	0.24	n.a.	0.09	15.28	23.37	0.00	0.51	0.00	99.63
47	HDM2005-6 # 37	90883	1	Diopside	n.a.	55.07	0.02	0.79	0.37	n.a.	3.50	0.17	n.a.	0.01	15.87	23.74	0.00	0.53	0.00	100.08
48	HDM2005-6 # 38	90887	1	Diopside	n.a.	54.47	0.08	1.86	0.44	n.a.	4.79	0.12	n.a.	0.00	15.18	22.37	0.00	0.78	0.01	100.10
52	HDM2005-6 # 42	90930	1	Diopside	n.a.	55.23	0.02	1.17	0.30	n.a.	5.54	0.17	n.a.	0.05	16.16	20.99	0.03	0.62	0.00	100.29
56	HDM2005-6 # 46	90941	1	Diopside	n.a.	54.59	0.01	1.27	0.39	n.a.	5.88	0.25	n.a.	0.06	14.59	22.62	0.01	0.51	0.00	100.19
59	HDM2005-6 # 49	90950	1	Diopside	n.a.	55.02	0.04	0.94	0.53	n.a.	4.46	0.17	n.a.	0.03	15.18	23.36	0.00	0.54	0.00	100.28
60	HDM2005-6 # 50	90972	1	Diopside	n.a.	54.86	0.02	0.63	0.23	n.a.	3.85	0.14	n.a.	0.04	15.23	24.10	0.00	0.61	0.00	99.71
61	HDM2005-6 # 51	90973	1	Diopside	n.a.	55.14	0.10	0.85	0.35	n.a.	4.86	0.21	n.a.	0.05	14.92	23.30	0.01	0.66	0.01	100.46
62	HDM2005-6 # 52	90975	1	Diopside	n.a.	56.05	0.04	0.70	0.30	n.a.	3.79	0.10	n.a.	0.00	15.30	23.94	0.01	0.56	0.00	100.79
64	HDM2005-6 # 54	90976	2	Diopside	n.a.	55.79	0.01	0.68	0.43	n.a.	3.47	0.14	n.a.	0.01	15.51	24.19	0.05	0.56	0.01	100.85
65	HDM2005-6 # 55	90977	1	Diopside	n.a.	55.27	0.05	0.64	0.26	n.a.	5.07	0.18	n.a.	0.04	14.63	24.08	0.00	0.52	0.00	100.75
76	HDM2005-6 #64	91512	1	Diopside	n.a.	55.36	0.04	0.73	0.13	n.a.	4.65	0.15	n.a.	0.04	15.10	24.04	0.01	0.50	0.00	100.74
77	HDM2005-6 #65	91512	2	Diopside	n.a.	54.93	0.06	2.01	0.43	n.a.	4.31	0.12	n.a.	0.06	15.03	22.43	0.01	0.76	0.00	100.14
78	HDM2005-6 #66	91512	3	Diopside	n.a.	54.97	0.03	0.43	0.34	n.a.	4.71	0.18	n.a.	0.00	15.36	23.71	0.01	0.45	0.00	100.18
79	HDM2005-6 #67	91517	1	Diopside	n.a.	55.06	0.03	0.72	0.26	n.a.	4.16	0.18	n.a.	0.00	15.25	23.72	0.00	0.53	0.00	99.91
82	HDM2005-6 #70	91528	1	Diopside	n.a.	55.27	0.02	0.78	0.26	n.a.	4.08	0.19	n.a.	0.07	15.63	23.92	0.00	0.55	0.02	100.78
83	HDM2005-6 #71	91531	1	Diopside	n.a.	55.58	0.02	1.00	0.29	n.a.	4.38	0.19	n.a.	0.08	16.22	22.62	0.03	0.47	0.00	100.87
101	HDM2005-6 #80	91548	1	Diopside	n.a.	53.22	0.06	0.84	0.47	n.a.	4.49	0.15	n.a.	0.03	15.07	23.71	0.04	0.65	0.00	98.74
102	HDM2005-6 #81	91548	2	Diopside	n.a.	53.72	0.02	0.57	0.14	n.a.	3.77	0.11	n.a.	0.00	15.66	24.59	0.03	0.54	0.00	99.16
103	HDM2005-6 #82	91549	1	Diopside	n.a.	55.08	0.03	0.44	0.21	n.a.	2.67	0.13	n.a.	0.00	16.75	24.98	0.00	0.05	0.00	100.35
89	HDM2005-6 #84	91552	1	Diopside	n.a.	55.58	0.08	1.03	0.42	n.a.	5.39	0.21	n.a.	0.00	14.98	21.26	0.00	1.51	0.00	100.46
90	HDM2005-6 #85	91554	1	Diopside	n.a.	55.28	0.05	0.83	0.35	n.a.	4.42	0.12	n.a.	0.00	14.96	24.09	0.06	0.55	0.00	100.69
99	HDM2005-6 #94	91562	3	Diopside	n.a.	54.61	0.03	0.93	0.45	n.a.	4.49	0.17	n.a.	0.00	15.33	23.51	0.00	0.61	0.01	100.15
100	HDM2005-6 #95	91563	1	Diopside	n.a.	55.62	0.04	0.66	0.36	n.a.	3.39	0.09	n.a.	0.01	15.38	24.26	0.03	0.51	0.00	100.33
101	HDM2005-6 #96	91563	2	Diopside	n.a.	55.43	0.03	0.74	0.29	n.a.	4.28	0.14	n.a.	0.01	15.12	23.77	0.04	0.62	0.00	100.47
102	HDM2005-6 #97	91564	1	Diopside	n.a.	55.07	0.02	0.53	0.43	n.a.	3.89	0.09	n.a.	0.00	15.32	24.24	0.00	0.56	0.00	100.16
108	HDM2005-6 #103	91586	1	Diopside	n.a.	54.78	0.10	1.62	0.36	n.a.	3.62	0.15	n.a.	0.13	15.65	23.37	0.03	0.61	0.00	100.42
109	HDM2005-6 #104	91604	1	Diopside	n.a.	54.82	0.05	1.98	0.39	n.a.	4.24	0.18	n.a.	0.02	15.08	22.72	0.04	0.83	0.00	100.35
112	HDM2005-6 #107	91615	1	Diopside	n.a.	55.24	0.04	0.51	0.28	n.a.	1.92	0.08	n.a.	0.00	15.29	24.28	0.00	0.43	0.00	98.07
115	HDM2005-6 #110	91624	2	Diopside	n.a.	55.08	0.03	1.44	0.43	n.a.	4.47	0.03	n.a.	0.05	16.36	21.35	0.00	0.48	0.01	99.72

123	HDM2005-6 #115	91659	1	Diopside	n.a.	55.09	0.07	0.88	0.34	n.a.	3.92	0.10	n.a.	0.00	15.66	23.82	0.00	0.58	0.00	100.46
15	HDM2005-6 #121	91673	1	Diopside	n.a.	54.59	0.00	0.72	0.31	n.a.	4.22	0.20	n.a.	0.04	15.49	23.95	0.00	0.55	0.00	100.07
16	HDM2005-6 #122	91673	2	Diopside	n.a.	54.59	0.05	1.66	0.32	n.a.	5.00	0.24	n.a.	0.07	15.89	22.57	0.05	0.53	0.00	100.96
18	HDM2005-6 #124	91674	2	Diopside	n.a.	54.76	0.02	1.18	0.31	n.a.	4.53	0.12	n.a.	0.09	16.07	23.04	0.00	0.49	0.00	100.61
19	HDM2005-6 #125	91726	1	Diopside	n.a.	54.73	0.05	0.99	0.43	n.a.	3.84	0.11	n.a.	0.00	15.94	23.35	0.01	0.51	0.00	99.97
22	HDM2005-6 #128	91731	1	Diopside	n.a.	55.06	0.00	1.09	0.31	n.a.	3.87	0.13	n.a.	0.14	16.06	23.92	0.00	0.46	0.00	101.04
23	HDM2005-6 #129	91734	1	Diopside	n.a.	55.38	0.01	0.72	0.35	n.a.	4.09	0.13	n.a.	0.00	15.00	24.32	0.04	0.65	0.00	100.67
24	HDM2005-6 #130	91736	1	Diopside	n.a.	55.41	0.07	0.67	0.37	n.a.	4.12	0.16	n.a.	0.02	15.65	24.34	0.10	0.54	0.00	101.45
26	HDM2005-6 #132	91745	1	Diopside	n.a.	55.11	0.04	0.88	0.48	n.a.	4.21	0.23	n.a.	0.02	15.41	23.65	0.01	0.62	0.00	100.68
104	HDM2005-6 #138	91779	1	Diopside	n.a.	54.25	0.07	0.89	0.29	n.a.	3.80	0.14	n.a.	0.04	15.83	23.74	0.08	0.59	0.00	99.71
109	HDM2005-6 #143	91800	2	Diopside	n.a.	54.76	0.02	1.22	0.37	n.a.	1.88	0.04	n.a.	0.04	17.35	23.94	0.02	0.33	0.01	99.98
110	HDM2005-6 #144	91803	1	Diopside	n.a.	53.42	0.03	0.93	0.23	n.a.	5.36	0.19	n.a.	0.07	14.98	22.99	0.01	0.62	0.00	98.85
33	HDM2005-6 #146	91808	1	Diopside	n.a.	54.95	0.01	0.66	0.32	n.a.	4.08	0.14	n.a.	0.00	15.02	24.57	0.00	0.53	0.00	100.28
35	HDM2005-6 #148	91857	2	Diopside	n.a.	54.50	0.05	0.78	0.21	n.a.	4.78	0.15	n.a.	0.03	14.90	24.48	0.03	0.59	0.01	100.52
38	HDM2005-6 #151	91864	1	Diopside	n.a.	57.27	0.02	0.59	0.14	n.a.	13.44	0.33	n.a.	0.05	27.46	2.66	0.04	0.02	0.02	102.04
39	HDM2005-6 #152	91928	1	Diopside	n.a.	54.95	0.05	1.16	0.25	n.a.	3.87	0.13	n.a.	0.04	15.66	24.14	0.00	0.46	0.00	100.72
45	HDM2005-6 #155	91938	2	Diopside	n.a.	54.47	0.00	0.67	0.17	n.a.	5.44	0.25	n.a.	0.03	15.11	22.96	0.01	0.53	0.00	99.64
46	HDM2005-6 #156	91945	1	Diopside	n.a.	54.45	0.00	0.53	0.19	n.a.	4.89	0.22	n.a.	0.00	15.37	23.65	0.00	0.44	0.00	99.72
49	HDM2005-6 #159	877759	1	Diopside	n.a.	55.24	0.01	0.77	0.40	n.a.	4.06	0.16	n.a.	0.00	15.46	23.75	0.02	0.61	0.00	100.48
60	HDM2005-6 #170	KD5719	1	Diopside	n.a.	53.71	0.13	2.02	0.59	n.a.	3.68	0.10	n.a.	0.04	16.30	22.75	0.01	0.59	0.00	99.93
69	HDM2005-6 #179	90533	2	Diopside	n.a.	54.04	0.03	0.83	0.41	n.a.	4.05	0.14	n.a.	0.04	15.10	24.24	0.00	0.63	0.00	99.48
70	HDM2005-6 #180	90570	1	Diopside	n.a.	54.55	0.00	0.91	0.33	n.a.	2.37	0.09	n.a.	0.15	16.89	24.17	0.00	0.44	0.00	99.90
73	HDM2005-6 #183	90879	2	Diopside	n.a.	53.98	0.05	1.15	0.32	n.a.	3.54	0.17	n.a.	0.06	16.25	23.65	0.00	0.50	0.01	99.69
76	HDM2005-6 #186	91511	3	Diopside	n.a.	54.46	0.01	0.50	0.30	n.a.	3.06	0.15	n.a.	0.01	16.29	24.88	0.00	0.47	0.00	100.13
77	HDM2005-6 #187	91511	4	Diopside	n.a.	54.11	0.02	0.86	0.48	n.a.	3.91	0.23	n.a.	0.02	15.77	23.51	0.02	0.61	0.00	99.54
79	HDM2005-6 #189	91599	3	Diopside	n.a.	53.98	0.09	1.33	0.41	n.a.	3.27	0.17	n.a.	0.00	16.32	23.90	0.00	0.49	0.00	99.97
81	HDM2005-6 #191	91603	3	Diopside	n.a.	53.85	0.03	1.58	0.29	n.a.	4.44	0.10	n.a.	0.00	15.63	23.09	0.02	0.46	0.00	99.49
82	HDM2005-6 #192	91608	1	Diopside	n.a.	54.18	0.02	1.66	0.31	n.a.	3.36	0.05	n.a.	0.08	16.16	23.38	0.00	0.54	0.00	99.74
83	HDM2005-6 #193	90608	2	Diopside	n.a.	53.62	0.07	1.08	0.26	n.a.	3.63	0.10	n.a.	0.01	16.30	23.51	0.02	0.51	0.00	99.09
87	HDM2005-6 #197	91609	3	Diopside	n.a.	53.89	0.15	2.32	0.37	n.a.	2.99	0.14	n.a.	0.05	15.97	23.37	0.00	0.58	0.01	99.83
88	HDM2005-6 #198	91616	1	Diopside	n.a.	54.09	0.03	1.26	0.27	n.a.	7.15	0.17	n.a.	0.02	17.36	17.96	0.02	0.86	0.00	99.18
90	HDM2005-6 #200	91853	1	Diopside	n.a.	54.87	0.08	1.10	0.32	n.a.	4.09	0.13	n.a.	0.06	15.96	22.91	0.06	0.53	0.01	100.13
61	HDM2005-6 #171	KD5719	2	Diopside?	n.a.	53.53	0.05	0.76	0.05	n.a.	3.73	0.75	n.a.	0.00	14.94	25.10	0.04	0.32	0.00	99.27
53	HDM2005-6 # 43	90930	2	*Epidote*	n.a.	38.77	0.16	26.23	0.02	n.a.	8.82	0.09	n.a.	0.00	0.02	23.30	0.01	0.01	0.00	97.42
55	HDM2005-6 #165	877789	1	*Epidote*	n.a.	37.72	0.12	27.22	0.00	n.a.	7.45	0.05	n.a.	0.00	0.01	23.99	0.00	0.01	0.00	96.56
75	HDM2005-6 #185	90967	13	*Epidote*	n.a.	37.39	0.13	23.23	0.00	n.a.	12.35	0.13	n.a.	0.00	0.00	23.42	0.07	0.00	0.01	96.73
48	HDM2005-6 #158	91948	1	*V-Tourmaline*	n.a.	37.32	0.78	27.49	0.88	n.a.	0.08	0.02	n.a.	0.01	12.09	3.48	0.02	1.03	0.05	83.23
57	HDM2005-6 #167	886938	1	*V-Tourmaline*	n.a.	37.30	0.22	29.57	0.56	n.a.	0.06	0.02	n.a.	0.01	12.25	2.80	0.00	1.35	0.04	84.18
65	HDM2005-6 #175	KD5727	1	*V-Tourmaline*	n.a.	37.17	0.97	29.72	0.44	n.a.	0.01	0.00	n.a.	0.00	12.41	3.03	0.05	1.26	0.04	85.09
69	HDM2005-6 # 58, repeat				n.a.	42.85	0.18	19.70	6.01	n.a.	7.54	0.44	n.a.	0.07	20.28	5.06	0.05	0.06	0.01	102.25
20	HDM2005-6 # 8	90596	2	*Almandine*	n.a.	38.81	0.04	22.10	0.05	n.a.	30.56	0.30	n.a.	0.04	8.37	0.88	0.00	0.01	0.01	101.16
21	HDM2005-6 # 9	90598	1	*Almandine*	n.a.	37.05	0.01	21.03	0.03	n.a.	37.84	1.88	n.a.	0.04	2.74	0.58	0.00	0.02	0.01	101.23
25	HDM2005-6 # 13	90651	1	*Almandine*	n.a.	37.69	0.00	21.30	0.12	n.a.	36.61	0.78	n.a.	0.00	3.52	1.34	0.01	0.03	0.00	101.40
26	HDM2005-6 # 14	90651	2	*Almandine*	n.a.	39.55	0.00	22.40	0.03	n.a.	28.07	0.33	n.a.	0.03	9.72	1.19	0.01	0.01	0.00	101.33
27	HDM2005-6 # 15	90652	1	*Almandine*	n.a.	37.48	0.02	21.20	0.00	n.a.	34.86	3.29	n.a.	0.00	3.04	1.32	0.03	0.03	0.01	101.28
30	HDM2005-6 # 19	90753	1	*Almandine*	n.a.	39.78	0.03	22.23	0.09	n.a.	26.28	0.54	n.a.	0.00	10.76	0.94	0.00	0.00	0.00	100.65
38	HDM2005-6 # 28	90833	1	*Almandine*	n.a.	39.10	0.03	22.15	0.03	n.a.	30.41	0.32	n.a.	0.00	8.08	1.21	0.01	0.03	0.01	101.39
57	HDM2005-6 # 47	90941	2	*Almandine*	n.a.	37.67	0.06	21.54	0.00	n.a.	32.37	0.46	n.a.	0.00	2.93	5.66	0.03	0.00	0.00	100.73
81	HDM2005-6 #69	91523	2	*Almandine*	n.a.	39.47	0.15	21.57	0.02	n.a.	25.07	0.52	n.a.	0.00	6.30	8.00	0.00	0.00	0.00	101.09
100	HDM2005-6 #79	91545	1	*Almandine*	n.a.	37.17	0.05	21.66	0.02	n.a.	32.48	1.08	n.a.	0.03	4.94	2.60	0.00	0.04	0.02	100.09
96	HDM2005-6 #91	91560	2	*Almandine*	n.a.	38.06	0.02	21.32	0.05	n.a.	29.80	2.67	n.a.	0.00	4.17	4.64	0.00	0.03	0.01	100.76

29	HDM2005-6 #135			91764	1	*Almandine*	n.a.	38.42	0.02	21.39	0.01	n.a.	27.65	1.82	n.a.	0.06	5.38	6.13	0.00	0.00	0.01	100.88
40	HDM2005-6 #153			91929	1	*Almandine*	n.a.	40.00	0.02	22.43	0.00	n.a.	27.44	0.11	n.a.	0.02	9.59	2.50	0.00	0.00	0.00	102.13
72	HDM2005-6 #182			90768	1	*Almandine*	n.a.	36.96	0.02	21.04	0.00	n.a.	30.20	3.84	n.a.	0.00	3.21	4.00	0.00	0.01	0.00	99.27
89	HDM2005-6 #199			91637	1	*Almandine*	n.a.	37.47	0.04	21.64	0.00	n.a.	27.37	1.39	n.a.	0.00	3.94	7.79	0.02	0.03	0.00	99.69
39	HDM2005-6 # 29			90841	1	*Amphibole*	n.a.	57.72	0.01	1.39	0.32	n.a.	3.88	0.12	n.a.	0.13	21.51	12.39	0.05	0.25	0.05	97.82
58	HDM2005-6 # 48			90945	1	*Amphibole*	n.a.	57.45	0.00	0.92	0.48	n.a.	5.35	0.23	n.a.	0.12	22.24	10.15	0.04	0.32	0.09	97.40
92	HDM2005-6 #87			91556	1	*Amphibole*	n.a.	58.30	0.02	1.41	0.58	n.a.	3.39	0.08	n.a.	0.10	21.66	12.41	0.02	0.32	0.03	98.32
94	HDM2005-6 #89			91559	1	*Amphibole*	n.a.	56.83	0.03	2.19	0.72	n.a.	4.73	0.14	n.a.	0.10	20.67	11.64	0.02	0.59	0.03	97.68
104	HDM2005-6 #99			91566	1	*Amphibole*	n.a.	58.81	0.02	0.57	0.20	n.a.	4.90	0.09	n.a.	0.06	21.74	11.40	0.00	0.32	0.04	98.17
36	HDM2005-6 #149			91861	1	*Amphibole*	n.a.	58.23	0.01	0.82	0.39	n.a.	3.81	0.12	n.a.	0.19	21.55	12.56	0.00	0.29	0.03	98.01
66	HDM2005-6 #176			90561	1	*Amphibole*	n.a.	55.92	0.12	2.25	0.50	n.a.	3.64	0.06	n.a.	0.19	22.04	11.47	0.00	0.63	0.13	96.93
67	HDM2005-6 #177			90566	1	*Amphibole*	n.a.	57.03	0.00	1.24	0.42	n.a.	2.90	0.14	n.a.	0.25	22.36	12.34	0.01	0.31	0.08	97.07
68	HDM2005-6 #178			90533	1	*Amphibole*	n.a.	54.93	0.04	2.61	0.95	n.a.	3.68	0.13	n.a.	0.09	21.23	12.34	0.00	0.32	0.11	96.44
74	HDM2005-6 #184			90882	4	*Amphibole*	n.a.	56.05	0.07	1.63	0.51	n.a.	4.76	0.11	n.a.	0.21	20.99	12.01	0.00	0.67	0.01	97.01
86	HDM2005-6 #196			91609	2	*Amphibole*	n.a.	56.11	0.05	1.65	0.36	n.a.	4.01	0.08	n.a.	0.18	21.82	11.98	0.02	0.23	0.02	96.50
91	HDM2005-6 #201			878154	1	*Amphibole*	n.a.	54.28	0.05	4.35	0.61	n.a.	3.25	0.12	n.a.	0.13	21.12	11.78	0.00	0.79	0.13	96.61
88	HDM2005-6 #83			91550	1	*Andradite*	n.a.	34.67	0.20	1.77	0.33	n.a.	25.75	0.10	n.a.	0.08	0.00	33.46	0.00	0.01	0.00	96.37
71	HDM2005-6 #59			91501	2	*Corundum*	n.a.	0.00	0.01	101.87	0.01	n.a.	1.37	0.00	n.a.	0.00	0.00	0.01	0.00	0.01	0.01	103.29
11	HDM2005-8 #3	3	chromite	90639	1	chromite	0.00	n.a.	1.27	21.28	41.20	0.16	21.49	0.18	0.06	n.a.	13.98	0.00	n.a.	n.a.	n.a.	99.62
12	HDM2005-8 #4	4	chromite	90655	1	chromite	0.00	n.a.	3.53	7.70	44.19	0.08	31.98	0.30	0.17	n.a.	11.46	0.01	n.a.	n.a.	n.a.	99.40
13	HDM2005-8 #5	5	chromite	90686	1	chromite	0.07	n.a.	2.16	20.28	34.27	0.15	27.99	0.28	0.00	n.a.	13.79	0.00	n.a.	n.a.	n.a.	98.99
14	HDM2005-8 #6	6	chromite	90759	1	chromite	0.00	n.a.	1.12	17.51	50.30	0.12	16.86	0.14	0.00	n.a.	12.63	0.01	n.a.	n.a.	n.a.	98.68
19	HDM2005-8 #9	9	chromite	90774	2	chromite	0.00	n.a.	4.47	7.73	33.12	0.07	41.95	0.50	0.04	n.a.	9.67	0.01	n.a.	n.a.	n.a.	97.56
20	HDM2005-8 #1	11	chromite	90834	1	chromite	0.00	n.a.	1.86	16.21	39.11	0.14	27.92	0.33	0.11	n.a.	12.97	0.01	n.a.	n.a.	n.a.	98.64
21	HDM2005-8 #1	12	chromite	90834	2	chromite	0.00	n.a.	4.18	10.68	41.31	0.15	29.69	0.20	0.15	n.a.	12.16	0.00	n.a.	n.a.	n.a.	98.52
22	HDM2005-8 #1	13	chromite	90834	3	chromite	0.00	n.a.	2.87	14.28	38.83	0.12	30.47	0.31	0.16	n.a.	11.79	0.00	n.a.	n.a.	n.a.	98.84
23	HDM2005-8 #1	14	chromite	90834	4	chromite	0.00	n.a.	1.78	13.08	46.05	0.10	24.54	0.21	0.12	n.a.	13.46	0.03	n.a.	n.a.	n.a.	99.35
25	HDM2005-8 #1	17	chromite	90842	2	chromite	0.00	n.a.	4.42	8.70	35.17	0.06	38.06	0.38	0.04	n.a.	11.08	0.00	n.a.	n.a.	n.a.	97.90
26	HDM2005-8 #1	18	chromite	90846	1	chromite	0.03	n.a.	1.80	16.42	43.30	0.08	22.19	0.16	0.14	n.a.	15.47	0.00	n.a.	n.a.	n.a.	99.59
27	HDM2005-8 #1	19	chromite	90846	2	chromite	0.06	n.a.	2.55	12.15	45.90	0.14	26.75	0.28	0.08	n.a.	11.38	0.02	n.a.	n.a.	n.a.	99.28
28	HDM2005-8 #2	22	chromite	90868	1	chromite	0.01	n.a.	1.80	17.01	40.49	0.15	25.98	0.20	0.00	n.a.	13.31	0.00	n.a.	n.a.	n.a.	98.94
30	HDM2005-8 #2	25	chromite	90887	2	chromite	0.03	n.a.	3.05	9.56	45.10	0.23	29.65	0.29	0.03	n.a.	11.07	0.01	n.a.	n.a.	n.a.	99.00
32	HDM2005-8 #2	28	chromite	90895	1	chromite	0.00	n.a.	3.43	6.76	47.10	0.02	26.61	0.22	0.18	n.a.	14.85	0.00	n.a.	n.a.	n.a.	99.18
33	HDM2005-8 #2	29	chromite	90895	2	chromite	0.03	n.a.	1.78	16.12	39.91	0.06	27.11	0.25	0.19	n.a.	13.55	0.00	n.a.	n.a.	n.a.	99.00
34	HDM2005-8 #3	30	chromite	90912	1	chromite	0.03	n.a.	3.19	17.33	31.27	0.28	34.66	0.28	0.00	n.a.	11.23	0.00	n.a.	n.a.	n.a.	98.27
35	HDM2005-8 #3	32	chromite	90915	1	chromite	0.00	n.a.	2.49	15.09	39.35	0.15	28.66	0.26	0.16	n.a.	12.77	0.00	n.a.	n.a.	n.a.	98.92
36	HDM2005-8 #3	33	chromite	90923	2	chromite	0.02	n.a.	4.96	9.25	41.27	0.20	32.18	0.27	0.08	n.a.	10.78	0.00	n.a.	n.a.	n.a.	99.02
40	HDM2005-8 #3	37	chromite	90937	2	chromite	0.01	n.a.	2.59	16.16	42.03	0.21	25.04	0.22	0.06	n.a.	12.91	0.01	n.a.	n.a.	n.a.	99.22
42	HDM2005-8 #3	39	chromite	90937	4	chromite	0.00	n.a.	2.13	16.23	45.81	0.09	18.64	0.29	0.14	n.a.	16.16	0.01	n.a.	n.a.	n.a.	99.47
43	HDM2005-8 #4	40	chromite	90938	1	chromite	0.00	n.a.	4.46	9.09	40.42	0.10	28.80	0.21	0.00	n.a.	15.13	0.01	n.a.	n.a.	n.a.	98.21
44	HDM2005-8 #4	41	chromite	90939	1	chromite	0.00	n.a.	3.54	7.26	47.32	0.07	26.93	0.25	0.00	n.a.	13.23	0.01	n.a.	n.a.	n.a.	98.60
48	HDM2005-8 #4	43	chromite	90942	2	chromite	0.00	n.a.	1.92	11.94	46.16	0.15	23.50	0.21	0.12	n.a.	13.51	0.02	n.a.	n.a.	n.a.	97.52
49	HDM2005-8 #4	44	chromite	90949	1	chromite	0.03	n.a.	3.30	7.30	45.35	0.06	27.07	0.23	0.17	n.a.	13.64	0.01	n.a.	n.a.	n.a.	97.14
50	HDM2005-8 #4	45	ilmenite	90951	1	chromite	0.00	n.a.	1.90	19.63	36.19	0.20	26.25	0.24	0.00	n.a.	13.58	0.00	n.a.	n.a.	n.a.	97.99
52	HDM2005-8 #4	47	oxide	90973	2	chromite	0.00	n.a.	4.39	8.13	40.06	0.07	31.03	0.28	0.05	n.a.	13.06	0.00	n.a.	n.a.	n.a.	97.07
53	HDM2005-8 #4	48	chromite	90976	3	chromite	0.04	n.a.	1.86	16.02	41.85	0.10	23.35	0.21	0.15	n.a.	14.61	0.00	n.a.	n.a.	n.a.	98.18
54	HDM2005-8 #5	50	chromite	90979	2	chromite	0.08	n.a.	0.34	18.28	49.04	0.11	15.23	0.17	0.08	n.a.	14.80	0.00	n.a.	n.a.	n.a.	98.14
55	HDM2005-8 #5	51	chromite	91504	3	chromite	0.04	n.a.	0.29	19.59	40.46	0.25	22.93	0.22	0.08	n.a.	13.90	0.00	n.a.	n.a.	n.a.	97.75
58	HDM2005-8 #5	54	chromite	91520	1	chromite	0.00	n.a.	0.26	15.19	51.60	0.11	19.08	0.39	0.07	n.a.	12.02	0.01	n.a.	n.a.	n.a.	98.72
59	HDM2005-8 #5	56	chromite	91538	2	chromite	0.03	n.a.	1.74	11.91	46.45	0.12	24.07	0.23	0.00	n.a.	13.33	0.00	n.a.	n.a.	n.a.	97.89
62	HDM2005-8 #6	61	chromite	91547	1	chromite	0.00	n.a.	0.13	12.92	53.99	0.13	25.15	0.26	0.23	n.a.	6.50	0.01	n.a.	n.a.	n.a.	99.31

64	HDM2005-8 #6	63	chromite	91560	3	chromite	0.06	n.a.	2.10	15.54	43.68	0.18	23.13	0.28	0.05	n.a.	13.28	0.01	n.a.	n.a.	n.a.	98.31
65	HDM2005-8 #6	64	chromite	91563	3	chromite	0.06	n.a.	2.52	12.91	41.39	0.13	27.39	0.25	0.00	n.a.	13.27	0.00	n.a.	n.a.	n.a.	97.91
67	HDM2005-8 #6	66	chromite	91575	1	chromite	0.03	n.a.	3.48	6.66	46.85	0.03	25.85	0.25	0.00	n.a.	14.61	0.00	n.a.	n.a.	n.a.	97.77
68	HDM2005-8 #6	68	chromite	91624	5	chromite	0.05	n.a.	1.11	19.66	42.99	0.14	20.39	0.20	0.00	n.a.	14.69	0.01	n.a.	n.a.	n.a.	99.24
69	HDM2005-8 #6	69	chromite	91624	6	chromite	0.03	n.a.	3.78	8.85	43.31	0.12	31.06	0.34	0.05	n.a.	10.50	0.00	n.a.	n.a.	n.a.	98.03
70	HDM2005-8 #7	70	ilmenite	91629	1	chromite	0.00	n.a.	3.58	11.98	40.48	0.13	28.17	0.24	0.07	n.a.	13.43	0.01	n.a.	n.a.	n.a.	98.07
71	HDM2005-8 #7	71	chromite	91630	1	chromite	0.00	n.a.	2.75	7.29	50.48	0.05	23.69	0.24	0.06	n.a.	12.17	0.02	n.a.	n.a.	n.a.	96.73
74	HDM2005-8 #7	72	chromite	91630	2	chromite	0.04	n.a.	1.82	13.05	48.72	0.08	22.21	0.20	0.11	n.a.	11.75	0.00	n.a.	n.a.	n.a.	97.98
76	HDM2005-8 #7	74	chromite	91635	1	chromite	0.06	n.a.	2.62	14.80	36.84	0.11	32.59	0.27	0.01	n.a.	11.92	0.00	n.a.	n.a.	n.a.	99.23
77	HDM2005-8 #7	75	chromite	91635	2	chromite	0.00	n.a.	3.95	8.49	44.47	0.13	30.26	0.29	0.06	n.a.	11.47	0.01	n.a.	n.a.	n.a.	99.13
79	HDM2005-8 #7	77	chromite	91635	4	chromite	0.00	n.a.	1.30	19.31	43.84	0.15	21.89	0.23	0.03	n.a.	12.22	0.01	n.a.	n.a.	n.a.	98.97
91	HDM2005-8 #8	80	chromite	91641	1	chromite	0.06	n.a.	5.43	6.95	31.79	0.12	42.37	0.35	0.16	n.a.	10.18	0.01	n.a.	n.a.	n.a.	97.41
94	HDM2005-8 #8	84	ilmenite	91651	1	chromite	0.03	n.a.	5.14	8.75	39.54	0.19	33.48	0.31	0.00	n.a.	11.49	0.01	n.a.	n.a.	n.a.	98.92
96	HDM2005-8 #8	86	ilmenite	91657	2	chromite	0.00	n.a.	3.17	8.97	49.40	0.15	25.24	0.28	0.07	n.a.	12.76	0.00	n.a.	n.a.	n.a.	100.04
86	HDM2005-8 #8	87	chromite	91657	3	chromite	0.00	n.a.	3.60	7.40	46.10	0.08	28.39	0.30	0.00	n.a.	13.35	0.02	n.a.	n.a.	n.a.	99.23
84	HDM2005-8 #8	89	chromite	91657	5	chromite	0.00	n.a.	3.13	13.60	39.83	0.10	29.84	0.27	0.15	n.a.	12.33	0.01	n.a.	n.a.	n.a.	99.25
97	HDM2005-8 #9	94	chromite	91670	2	chromite	0.00	n.a.	3.41	8.12	44.71	0.05	28.82	0.22	0.08	n.a.	13.07	0.01	n.a.	n.a.	n.a.	98.49
98	HDM2005-8 #9	95	chromite	91670	3	chromite	0.02	n.a.	3.43	8.10	49.55	0.10	24.70	0.22	0.03	n.a.	13.55	0.00	n.a.	n.a.	n.a.	99.70
100	HDM2005-8 #9	98	chromite	91713	2	chromite	0.00	n.a.	2.01	13.89	44.87	0.15	25.27	0.26	0.03	n.a.	13.35	0.00	n.a.	n.a.	n.a.	99.83
101	HDM2005-8 #9	99	oxide	91715	1	chromite	0.00	n.a.	3.79	8.19	43.85	0.08	29.19	0.28	0.00	n.a.	13.12	0.00	n.a.	n.a.	n.a.	98.50
103	HDM2005-8 #1	102	chromite	91730	1	chromite	0.00	n.a.	1.12	18.98	44.08	0.12	20.35	0.21	0.17	n.a.	14.67	0.00	n.a.	n.a.	n.a.	99.68
105	HDM2005-8 #1	105	rutile	91739	1	chromite	0.00	n.a.	4.85	8.59	39.44	0.05	29.57	0.28	0.07	n.a.	15.65	0.02	n.a.	n.a.	n.a.	98.51
106	HDM2005-8 #1	107	chromite	91739	3	chromite	0.07	n.a.	2.39	12.42	43.81	0.13	27.97	0.24	0.17	n.a.	12.32	0.02	n.a.	n.a.	n.a.	99.52
108	HDM2005-8 #1	111	chromite	91750	1	chromite	0.00	n.a.	4.72	8.79	39.50	0.03	32.15	0.35	0.13	n.a.	13.15	0.00	n.a.	n.a.	n.a.	98.83
109	HDM2005-8 #1	113	chromite	91754	1	chromite	0.00	n.a.	4.04	8.20	40.64	0.08	34.06	0.27	0.10	n.a.	11.36	0.01	n.a.	n.a.	n.a.	98.75
90	HDM2005-8 #1	114	chromite	91754	2	chromite	0.00	n.a.	1.93	15.57	42.71	0.18	26.36	0.25	0.20	n.a.	12.86	0.01	n.a.	n.a.	n.a.	100.07
89	HDM2005-8 #1	115	rutile	91756	1	chromite	0.08	n.a.	5.83	8.28	34.38	0.03	33.73	0.34	0.05	n.a.	15.61	0.01	n.a.	n.a.	n.a.	98.32
88	HDM2005-8 #1	116	chromite	91757	1	chromite	0.00	n.a.	7.07	7.64	30.75	0.06	41.42	0.38	0.13	n.a.	10.74	0.00	n.a.	n.a.	n.a.	98.19
87	HDM2005-8 #1	117	chromite	91757	2	chromite	0.00	n.a.	3.52	7.54	46.22	0.06	26.63	0.24	0.08	n.a.	14.00	0.00	n.a.	n.a.	n.a.	98.29
111	HDM2005-8 #1	120	chromite	91770	2	chromite	0.06	n.a.	1.42	16.64	44.48	0.12	23.73	0.22	0.00	n.a.	13.67	0.00	n.a.	n.a.	n.a.	100.34
118	HDM2005-8 #1	129	chromite	91810	1	chromite	0.00	n.a.	4.01	11.95	43.55	0.14	28.10	0.25	0.22	n.a.	12.13	0.02	n.a.	n.a.	n.a.	100.36
119	HDM2005-8 #1	130	chromite	91810	2	chromite	0.00	n.a.	1.39	17.39	43.08	0.18	23.85	0.22	0.00	n.a.	13.85	0.01	n.a.	n.a.	n.a.	99.98
120	HDM2005-8 #1	131	chromite	91810	3	chromite	0.00	n.a.	6.15	8.92	33.15	0.14	38.43	0.29	0.15	n.a.	11.20	0.02	n.a.	n.a.	n.a.	98.44
10	HDM2005-8 #1	136	chromite	91837	2	chromite	0.00	n.a.	2.37	14.34	41.41	0.15	26.89	0.20	0.12	n.a.	13.53	0.00	n.a.	n.a.	n.a.	99.02
11	HDM2005-8 #1	137	chromite	91837	3	chromite	0.03	n.a.	3.02	13.43	43.78	0.23	24.90	0.23	0.02	n.a.	13.63	0.00	n.a.	n.a.	n.a.	99.28
13	HDM2005-8 #1	139	chromite	91838	2	chromite	0.00	n.a.	3.73	12.22	40.83	0.21	30.18	0.29	0.15	n.a.	11.46	0.00	n.a.	n.a.	n.a.	99.10
14	HDM2005-8 #1	140	chromite	91839	1	chromite	0.08	n.a.	2.24	13.24	41.35	0.13	28.28	0.25	0.00	n.a.	13.36	0.02	n.a.	n.a.	n.a.	98.96
15	HDM2005-8 #1	141	ilmenite	91861	2	chromite	0.01	n.a.	1.15	19.89	43.18	0.11	20.24	0.21	0.15	n.a.	14.76	0.01	n.a.	n.a.	n.a.	99.71
16	HDM2005-8 #1	142	ilmenite	91871	1	chromite	0.00	n.a.	4.18	12.85	35.89	0.16	33.40	0.22	0.09	n.a.	12.25	0.01	n.a.	n.a.	n.a.	99.08
17	HDM2005-8 #1	143	chromite	91926	1	chromite	0.00	n.a.	1.90	11.37	47.28	0.14	24.34	0.26	0.04	n.a.	13.56	0.02	n.a.	n.a.	n.a.	98.93
22	HDM2005-8 #1	148	ilmenite	91948	3	chromite	0.00	n.a.	3.47	7.95	44.11	0.06	28.82	0.22	0.00	n.a.	14.15	0.01	n.a.	n.a.	n.a.	98.82
21	HDM2005-8 #1	150	oxide	877754	1	chromite	0.02	n.a.	3.97	8.93	44.37	0.00	26.13	0.29	0.08	n.a.	15.30	0.01	n.a.	n.a.	n.a.	99.13
24	HDM2005-8 #1	151	oxide	877757	1	chromite	0.03	n.a.	1.97	15.95	43.13	0.07	23.52	0.23	0.03	n.a.	14.40	0.01	n.a.	n.a.	n.a.	99.34
25	HDM2005-8 #1	152	oxide	877757	2	chromite	0.00	n.a.	2.39	13.16	42.80	0.14	27.94	0.24	0.00	n.a.	13.14	0.00	n.a.	n.a.	n.a.	99.83
26	HDM2005-8 #1	153	oxide	877759	2	chromite	0.01	n.a.	3.07	7.69	50.10	0.10	24.45	0.24	0.00	n.a.	12.30	0.01	n.a.	n.a.	n.a.	98.00
27	HDM2005-8 #1	154	oxide	877759	3	chromite	0.04	n.a.	4.64	8.11	41.40	0.01	30.11	0.48	0.11	n.a.	14.04	0.02	n.a.	n.a.	n.a.	98.98
29	HDM2005-8 #1	156	chromite	877765	1	chromite	0.00	n.a.	4.37	8.14	41.12	0.07	31.12	0.30	0.03	n.a.	13.58	0.00	n.a.	n.a.	n.a.	98.76
32	HDM2005-8 #1	159	chromite	877767	3	chromite	0.01	n.a.	2.89	12.52	43.91	0.15	25.59	0.21	0.02	n.a.	13.34	0.04	n.a.	n.a.	n.a.	98.71
33	HDM2005-8 #1	161	chromite	877771	1	chromite	0.04	n.a.	1.02	19.55	47.26	0.18	17.42	0.13	0.00	n.a.	12.75	0.01	n.a.	n.a.	n.a.	98.36
34	HDM2005-8 #1	162	chromite	877789	2	chromite	0.07	n.a.	2.37	8.35	54.10	0.08	22.00	0.26	0.13	n.a.	10.27	0.00	n.a.	n.a.	n.a.	97.65
36	HDM2005-8 #1	164	chromite	878168	1	chromite	0.05	n.a.	2.14	13.35	44.81	0.12	25.34	0.21	0.12	n.a.	13.79	0.00	n.a.	n.a.	n.a.	99.95
37	HDM2005-8 #1	165	chromite	878170	2	chromite	0.02	n.a.	4.72	7.36	38.83	0.03	33.61	0.33	0.05	n.a.	13.19	0.00	n.a.	n.a.	n.a.	98.17
38	HDM2005-8 #1	166	chromite	878180	1	chromite	0.00	n.a.	1.61	18.05	43.17	0.04	20.51	0.15	0.00	n.a.	15.63	0.01	n.a.	n.a.	n.a.	99.16
40	HDM2005-8 #1	168	chromite	878180	3	chromite	0.04	n.a.	3.85	11.11	40.28	0.13	30.94	0.26	0.09	n.a.	11.80	0.01	n.a.	n.a.	n.a.	98.55

41	HDM2005-8 #1	169	chromite	886913	1	chromite	0.00	n.a.	3.92	11.11	35.73	0.05	35.10	0.42	0.22	n.a.	11.64	0.00	n.a.	n.a.	n.a.	98.22
44	HDM2005-8 #1	172	chromite	886926	2	chromite	0.06	n.a.	6.15	8.93	36.95	0.18	35.63	0.29	0.07	n.a.	10.28	0.00	n.a.	n.a.	n.a.	98.58
48	HDM2005-8 #1	178	chromite	886931	3	chromite	0.00	n.a.	2.06	17.10	39.92	0.20	27.82	0.25	0.08	n.a.	12.38	0.01	n.a.	n.a.	n.a.	99.81
49	HDM2005-8 #1	179	chromite	886935	1	chromite	0.00	n.a.	1.47	17.01	42.89	0.16	24.79	0.22	0.20	n.a.	12.67	0.00	n.a.	n.a.	n.a.	99.41
54	HDM2005-8 #1	185	oxide	886949	1	chromite	0.00	n.a.	6.65	6.48	24.63	0.07	47.36	0.27	0.21	n.a.	11.19	0.01	n.a.	n.a.	n.a.	96.88
55	HDM2005-8 #1	186	chromite	886949	2	chromite	0.00	n.a.	1.83	12.92	47.30	0.10	23.78	0.23	0.07	n.a.	13.26	0.00	n.a.	n.a.	n.a.	99.50
56	HDM2005-8 #1	187	chromite	886949	3	chromite	0.03	n.a.	6.06	8.65	30.70	0.18	41.34	0.35	0.00	n.a.	10.76	0.01	n.a.	n.a.	n.a.	98.10
58	HDM2005-8 #1	189	chromite	887452	2	chromite	0.00	n.a.	4.20	6.81	44.74	0.20	31.95	0.29	0.20	n.a.	10.94	0.00	n.a.	n.a.	n.a.	99.34
60	HDM2005-8 #1	191	chromite	887467	3	chromite	0.01	n.a.	4.69	8.50	40.07	0.04	29.10	0.26	0.09	n.a.	15.38	0.02	n.a.	n.a.	n.a.	98.16
61	HDM2005-8 #1	192	chromite	887467	4	chromite	0.05	n.a.	3.29	14.00	39.93	0.25	29.95	0.20	0.10	n.a.	11.32	0.00	n.a.	n.a.	n.a.	99.10
62	HDM2005-8 #1	193	chromite	887472	1	chromite	0.01	n.a.	0.96	15.40	51.04	0.12	18.63	0.24	0.03	n.a.	12.56	0.00	n.a.	n.a.	n.a.	98.99
63	HDM2005-8 #1	194	chromite	887472	2	chromite	0.09	n.a.	1.76	12.26	49.01	0.09	21.87	0.23	0.18	n.a.	13.85	0.01	n.a.	n.a.	n.a.	99.36
64	HDM2005-8 #1	195	chromite	887472	3	chromite	0.00	n.a.	4.80	11.33	32.56	0.23	39.03	0.30	0.06	n.a.	10.13	0.00	n.a.	n.a.	n.a.	98.43
65	HDM2005-8 #1	196	chromite	887472	4	chromite	0.00	n.a.	1.48	17.66	42.34	0.16	25.02	0.25	0.00	n.a.	12.36	0.01	n.a.	n.a.	n.a.	99.30
66	HDM2005-8 #1	197	chromite	887472	5	chromite	0.04	n.a.	3.07	19.01	41.30	0.19	22.67	0.19	0.04	n.a.	13.49	0.01	n.a.	n.a.	n.a.	100.00
67	HDM2005-8 #1	198	chromite	887472	6	chromite	0.00	n.a.	7.26	6.14	33.99	0.13	39.87	0.36	0.10	n.a.	10.65	0.00	n.a.	n.a.	n.a.	98.50
69	HDM2005-8 #2	200	chromite	887473	1	chromite	0.02	n.a.	2.72	7.50	50.47	0.11	26.97	0.26	0.17	n.a.	11.84	0.01	n.a.	n.a.	n.a.	100.08
71	HDM2005-8 #2	202	chromite	887477	1	chromite	0.06	n.a.	1.87	17.21	42.69	0.09	22.00	0.22	0.00	n.a.	14.86	0.00	n.a.	n.a.	n.a.	99.00
72	HDM2005-8 #2	203	chromite	887477	2	chromite	0.00	n.a.	3.73	7.43	45.32	0.07	28.88	0.26	0.00	n.a.	12.78	0.00	n.a.	n.a.	n.a.	98.47
73	HDM2005-8 #2	204	chromite	887490	1	chromite	0.00	n.a.	2.10	15.97	40.41	0.20	28.23	0.28	0.07	n.a.	12.43	0.00	n.a.	n.a.	n.a.	99.67
81	HDM2005-9 #0	1	chromite	91610	1	chromite	0.08	n.a.	0.32	12.49	49.83	0.11	29.97	1.08	0.79	n.a.	5.35	0.01	n.a.	n.a.	n.a.	100.02
90	HDM2005-9 #1	10	oxide	91637	2	chromite	0.00	n.a.	3.34	10.49	42.59	0.12	31.88	0.29	0.06	n.a.	10.52	0.00	n.a.	n.a.	n.a.	99.30
94	HDM2005-9 #1	14	chromite	91639	3	chromite	0.07	n.a.	0.13	14.42	49.77	0.15	27.26	0.47	0.25	n.a.	7.45	0.01	n.a.	n.a.	n.a.	99.96
95	HDM2005-9 #1	16	chromite	91639	5	chromite	0.03	n.a.	1.54	18.89	32.17	0.23	42.95	0.38	0.43	n.a.	3.56	0.01	n.a.	n.a.	n.a.	100.19
96	HDM2005-9 #1	17	chromite	91639	6	chromite	0.00	n.a.	4.66	8.74	35.62	0.07	37.37	0.32	0.11	n.a.	12.76	0.01	n.a.	n.a.	n.a.	99.65
98	HDM2005-9 #2	20	chromite	91646	1	chromite	0.00	n.a.	2.54	14.21	40.36	0.13	28.08	0.19	0.14	n.a.	13.39	0.01	n.a.	n.a.	n.a.	99.07
99	HDM2005-9 #2	21	chromite	91646	2	chromite	0.00	n.a.	1.97	16.91	46.12	0.12	21.78	0.27	0.07	n.a.	10.22	0.00	n.a.	n.a.	n.a.	97.48
100	HDM2005-9 #2	23	oxide	91652	1	chromite	0.00	n.a.	6.97	7.85	29.92	0.13	42.41	0.31	0.00	n.a.	11.44	0.02	n.a.	n.a.	n.a.	99.04
102	HDM2005-9 #2	25	oxide	91653	1	chromite	0.00	n.a.	4.51	7.41	41.65	0.06	31.77	0.26	0.08	n.a.	13.55	0.01	n.a.	n.a.	n.a.	99.29
105	HDM2005-9 #2	29	chromite	91655	3	chromite	0.02	n.a.	3.71	10.18	31.19	0.10	43.25	0.45	0.15	n.a.	9.87	0.00	n.a.	n.a.	n.a.	98.92
106	HDM2005-9 #3	30	chromite	91655	4	chromite	0.00	n.a.	1.89	17.35	42.84	0.04	22.67	0.20	0.04	n.a.	15.23	0.01	n.a.	n.a.	n.a.	100.28
116	HDM2005-9 # 3	39	chromite	91768	1	chromite	0.00	n.a.	2.41	19.13	39.83	0.27	24.37	0.22	0.17	n.a.	13.33	0.01	n.a.	n.a.	n.a.	99.75
119	HDM2005-9 # 4	44	chromite	91807	1	chromite	0.03	n.a.	2.51	13.33	42.66	0.09	28.49	0.26	0.04	n.a.	12.26	0.00	n.a.	n.a.	n.a.	99.68
120	HDM2005-9 # 4	45	oxide	91814	1	chromite	0.00	n.a.	0.19	14.74	52.51	0.13	22.02	0.34	0.17	n.a.	10.60	0.01	n.a.	n.a.	n.a.	100.70
125	HDM2005-9 # 5	51	chromite	91821	2	chromite	0.01	n.a.	3.16	7.58	49.00	0.04	25.69	0.28	0.00	n.a.	13.22	0.00	n.a.	n.a.	n.a.	98.99
129	HDM2005-9 # 5	55	chromite	91823	4	chromite	0.00	n.a.	2.15	18.07	39.24	0.10	24.67	0.21	0.02	n.a.	14.62	0.01	n.a.	n.a.	n.a.	99.10
131	HDM2005-9 # 5	57	chromite	91823	6	chromite	0.00	n.a.	1.97	16.91	42.32	0.12	24.39	0.26	0.07	n.a.	14.00	0.01	n.a.	n.a.	n.a.	100.05
132	HDM2005-9 # 5	58	chromite	91823	7	chromite	0.04	n.a.	1.74	18.81	42.02	0.10	21.44	0.18	0.06	n.a.	15.27	0.01	n.a.	n.a.	n.a.	99.66
133	HDM2005-9 # 5	59	chromite	91823	8	chromite	0.00	n.a.	5.08	13.15	37.30	0.22	31.49	0.25	0.13	n.a.	11.15	0.00	n.a.	n.a.	n.a.	98.76
134	HDM2005-9 # 6	61	chromite	91824	4	chromite	0.03	n.a.	2.38	6.53	52.78	0.05	23.32	0.18	0.00	n.a.	13.10	0.01	n.a.	n.a.	n.a.	98.39
138	HDM2005-9 # 6	65	chromite	91849	1	chromite	0.03	n.a.	1.86	12.92	45.95	0.11	24.18	0.19	0.00	n.a.	13.81	0.00	n.a.	n.a.	n.a.	99.05
139	HDM2005-9 # 6	66	chromite	91854	1	chromite	0.01	n.a.	4.49	10.53	41.24	0.22	27.30	0.23	0.08	n.a.	14.35	0.01	n.a.	n.a.	n.a.	98.45
145	HDM2005-9 # 7	72	chromite	877773	2	chromite	0.00	n.a.	4.59	11.14	40.82	0.18	29.55	0.24	0.00	n.a.	11.94	0.00	n.a.	n.a.	n.a.	98.46
148	HDM2005-9 # 7	75	chromite	877776	2	chromite	0.05	n.a.	4.56	6.56	40.42	0.11	34.54	0.30	0.12	n.a.	11.89	0.00	n.a.	n.a.	n.a.	98.57
152	HDM2005-9 # 8	80	chromite	877792	7	chromite	0.00	n.a.	3.90	13.06	38.06	0.16	32.31	0.22	0.01	n.a.	11.15	0.00	n.a.	n.a.	n.a.	98.89
153	HDM2005-9 # 8	81	chromite	877792	8	chromite	0.07	n.a.	5.65	8.58	37.50	0.14	35.50	0.30	0.07	n.a.	10.40	0.00	n.a.	n.a.	n.a.	98.23
154	HDM2005-9 # 8	82	chromite	877792	9	chromite	0.01	n.a.	4.08	8.45	39.63	0.12	36.44	0.50	0.09	n.a.	9.20	0.00	n.a.	n.a.	n.a.	98.53
155	HDM2005-9 # 8	83	chromite	877792	10	chromite	0.00	n.a.	2.66	11.13	43.92	0.16	31.68	0.53	0.22	n.a.	8.93	0.01	n.a.	n.a.	n.a.	99.26
156	HDM2005-9 # 8	84	chromite	877792	11	chromite	0.00	n.a.	5.00	12.99	35.13	0.15	33.32	0.25	0.00	n.a.	11.39	0.00	n.a.	n.a.	n.a.	98.22
161	HDM2005-9 # 8	89	chromite	877797	1	chromite	0.00	n.a.	6.21	10.69	35.29	0.22	34.78	0.23	0.16	n.a.	11.10	0.01	n.a.	n.a.	n.a.	98.70
165	HDM2005-9 # 9	94	ilmenite	878153	1	chromite	0.03	n.a.	1.31	16.30	42.71	0.14	25.97	0.25	0.00	n.a.	12.81	0.00	n.a.	n.a.	n.a.	99.52
167	HDM2005-9 # 9	97	chromite	878158	1	chromite	0.00	n.a.	3.89	8.93	42.66	0.19	33.14	0.29	0.09	n.a.	10.57	0.01	n.a.	n.a.	n.a.	99.78
169	HDM2005-9 # 9	99	chromite	878166	1	chromite	0.01	n.a.	0.68	16.77	50.90	0.19	15.71	0.22	0.14	n.a.	15.48	0.00	n.a.	n.a.	n.a.	100.10
170	HDM2005-9 # 1	102	ilmenite	878177	1	chromite	0.00	n.a.	4.34	8.87	40.74	0.07	28.88	0.26	0.04	n.a.	15.19	0.02	n.a.	n.a.	n.a.	98.41
12	HDM2005-9 #1	106	chromite	878183	1	chromite	0.04	n.a.	1.36	18.19	42.66	0.19	24.34	0.21	0.06	n.a.	13.75	0.00	n.a.	n.a.	n.a.	100.82
13	HDM2005-9 #1	107	chromite	878183	2	chromite	0.03	n.a.	2.75	17.56	37.06	0.17	29.38	0.30	0.06	n.a.	13.20	0.01	n.a.	n.a.	n.a.	100.52
16	HDM2005-9 #1	110	oxide	878184	2	chromite	0.14	n.a.	6.32	7.19	35.40	0.10	36.85	0.30	0.01	n.a.	12.71	0.01	n.a.	n.a.	n.a.	99.05
18	HDM2005-9 #1	112	chromite	878184	4	chromite	0.00	n.a.	5.99	10.02	34.27	0.16	37.60	0.25	0.00	n.a.	11.04	0.01	n.a.	n.a.	n.a.	99.36

20	HDM2005-9 #1	114	chromite	878184	6	chromite	0.06	n.a.	2.27	14.90	43.22	0.13	26.63	0.24	0.00	n.a.	13.10	0.00	n.a.	n.a.	n.a.	100.56
21	HDM2005-9 #11	117	chromite	878184	9	chromite	0.03	n.a.	2.19	7.22	53.91	0.04	22.63	0.20	0.05	n.a.	12.54	0.00	n.a.	n.a.	n.a.	98.82
22	HDM2005-9 #1	119	chromite	878184	11	chromite	0.01	n.a.	8.28	7.46	34.06	0.27	39.24	0.30	0.00	n.a.	9.78	0.00	n.a.	n.a.	n.a.	99.44
24	HDM2005-9 #1	121	chromite	878186	1	chromite	0.00	n.a.	1.77	14.99	47.06	0.13	21.77	0.17	0.00	n.a.	14.28	0.00	n.a.	n.a.	n.a.	100.17
25	HDM2005-9 #1	122	chromite	878186	2	chromite	0.00	n.a.	2.16	16.67	37.82	0.12	29.44	0.25	0.08	n.a.	13.32	0.00	n.a.	n.a.	n.a.	99.87
26	HDM2005-9 #1	123	ilmenite	878186	3	chromite	0.04	n.a.	3.90	7.30	42.71	0.02	31.57	0.31	0.24	n.a.	13.37	0.01	n.a.	n.a.	n.a.	99.48
27	HDM2005-9 #1	125	chromite	878190	2	chromite	0.03	n.a.	2.82	18.41	32.56	0.13	32.43	0.25	0.06	n.a.	13.12	0.00	n.a.	n.a.	n.a.	99.83
28	HDM2005-9 #1	126	chromite	878190	3	chromite	0.00	n.a.	4.33	7.66	37.17	0.13	39.21	0.38	0.26	n.a.	10.37	0.01	n.a.	n.a.	n.a.	99.54
32	HDM2005-9 #1	130	chromite	878191	4	chromite	0.03	n.a.	4.48	8.73	41.75	0.09	28.61	0.25	0.10	n.a.	15.41	0.01	n.a.	n.a.	n.a.	99.47
33	HDM2005-9 #1	131	chromite	878191	5	chromite	0.00	n.a.	1.92	16.01	42.97	0.08	23.36	0.22	0.18	n.a.	15.05	0.00	n.a.	n.a.	n.a.	99.79
34	HDM2005-9 #1	132	chromite	878193	1	chromite	0.04	n.a.	4.30	8.40	43.30	0.06	27.75	0.26	0.03	n.a.	15.36	0.00	n.a.	n.a.	n.a.	99.54
35	HDM2005-9 #1	133	chromite	878193	2	chromite	0.00	n.a.	2.21	10.40	43.45	0.27	35.02	0.37	0.18	n.a.	8.36	0.00	n.a.	n.a.	n.a.	100.29
36	HDM2005-9 #1	134	chromite	878195	1	chromite	0.06	n.a.	4.21	9.53	39.80	0.17	35.56	0.40	0.14	n.a.	9.49	0.00	n.a.	n.a.	n.a.	99.38
38	HDM2005-9 #1	136	chromite	878195	3	chromite	0.00	n.a.	1.62	18.16	43.37	0.13	21.13	0.23	0.02	n.a.	15.23	0.01	n.a.	n.a.	n.a.	99.91
39	HDM2005-9 #1	137	chromite	878195	4	chromite	0.00	n.a.	2.07	18.76	40.10	0.22	25.77	0.24	0.06	n.a.	13.25	0.01	n.a.	n.a.	n.a.	100.48
41	HDM2005-9 #1	139	chromite	878196	2	chromite	0.04	n.a.	3.61	11.88	42.94	0.17	29.28	0.26	0.17	n.a.	11.85	0.01	n.a.	n.a.	n.a.	100.22
42	HDM2005-9 #1	140	oxide	878197	1	chromite	0.00	n.a.	5.03	7.72	38.25	0.04	33.88	0.27	0.00	n.a.	13.73	0.01	n.a.	n.a.	n.a.	98.95
44	HDM2005-9 #1	142	oxide	878197	3	chromite	0.07	n.a.	1.80	17.51	47.05	0.14	20.69	0.19	0.00	n.a.	12.36	0.00	n.a.	n.a.	n.a.	99.83
45	HDM2005-9 #1	143	chromite	878197	4	chromite	0.05	n.a.	1.98	16.45	43.87	0.12	23.15	0.21	0.10	n.a.	14.87	0.00	n.a.	n.a.	n.a.	100.81
47	HDM2005-9 #1	145	chromite	878198	2	chromite	0.00	n.a.	1.15	22.29	41.43	0.15	20.76	0.20	0.10	n.a.	14.93	0.02	n.a.	n.a.	n.a.	101.02
48	HDM2005-9 #1	146	chromite	878198	3	chromite	0.00	n.a.	2.50	13.20	42.69	0.06	27.95	0.21	0.03	n.a.	13.53	0.00	n.a.	n.a.	n.a.	100.19
49	HDM2005-9 #1	147	chromite	878199	1	chromite	0.06	n.a.	3.37	7.91	44.65	0.05	28.76	0.25	0.10	n.a.	14.13	0.01	n.a.	n.a.	n.a.	99.30
50	HDM2005-9 #1	148	chromite	878199	2	chromite	0.04	n.a.	3.75	8.97	43.05	0.03	28.89	0.53	0.12	n.a.	13.98	0.01	n.a.	n.a.	n.a.	99.38
51	HDM2005-9 #1	149	chromite	878199	3	chromite	0.00	n.a.	4.32	7.93	41.65	0.11	31.85	0.26	0.00	n.a.	13.23	0.00	n.a.	n.a.	n.a.	99.37
52	HDM2005-9 #1	150	chromite	878199	4	chromite	0.06	n.a.	1.84	17.53	41.75	0.09	22.82	0.19	0.07	n.a.	15.54	0.00	n.a.	n.a.	n.a.	99.91
53	HDM2005-9 #1	151	chromite	878199	5	chromite	0.05	n.a.	4.41	8.09	40.53	0.05	32.84	0.25	0.17	n.a.	13.32	0.01	n.a.	n.a.	n.a.	99.76
54	HDM2005-9 #1	152	chromite	878199	6	chromite	0.04	n.a.	3.54	10.16	43.09	0.12	31.05	0.26	0.19	n.a.	11.72	0.00	n.a.	n.a.	n.a.	100.20
55	HDM2005-9 #1	153	chromite	878199	7	chromite	0.05	n.a.	0.41	25.93	44.09	0.11	13.04	0.15	0.13	n.a.	17.75	0.00	n.a.	n.a.	n.a.	101.65
56	HDM2005-9 #1	154	chromite	878199	8	chromite	0.00	n.a.	4.20	8.53	40.37	0.06	31.82	0.24	0.05	n.a.	13.80	0.01	n.a.	n.a.	n.a.	99.10
59	HDM2005-9 #1	157	chromite	878199	11	chromite	0.02	n.a.	1.96	12.78	46.47	0.13	24.21	0.19	0.02	n.a.	13.38	0.01	n.a.	n.a.	n.a.	99.17
60	HDM2005-9 #1	158	chromite	878199	12	chromite	0.03	n.a.	4.25	7.43	37.55	0.03	38.02	0.39	0.00	n.a.	11.01	0.01	n.a.	n.a.	n.a.	98.73
61	HDM2005-9 #1	159	chromite	878199	13	chromite	0.01	n.a.	1.95	15.44	43.69	0.11	23.66	0.25	0.02	n.a.	14.67	0.00	n.a.	n.a.	n.a.	99.80
63	HDM2005-9 #1	161	chromite	878199	15	chromite	0.00	n.a.	2.96	7.63	49.92	0.20	28.54	0.27	0.07	n.a.	10.75	0.00	n.a.	n.a.	n.a.	100.35
64	HDM2005-9 #1	162	chromite	878199	16	chromite	0.04	n.a.	2.08	14.85	47.43	0.12	22.14	0.26	0.08	n.a.	11.32	0.01	n.a.	n.a.	n.a.	98.34
65	HDM2005-9 #1	163	chromite	878199	17	chromite	0.04	n.a.	4.23	8.25	40.47	0.09	32.61	0.32	0.03	n.a.	12.95	0.00	n.a.	n.a.	n.a.	99.02
67	HDM2005-9 #1	165	chromite	886902	1	chromite	0.01	n.a.	1.19	19.18	44.77	0.12	20.11	0.19	0.10	n.a.	14.81	0.00	n.a.	n.a.	n.a.	100.49
70	HDM2005-9 #1	168	oxide	886911	1	chromite	0.00	n.a.	6.14	10.52	28.09	0.14	42.00	0.32	0.08	n.a.	10.56	0.00	n.a.	n.a.	n.a.	97.89
71	HDM2005-9 #1	169	oxide	886914	1	chromite	0.00	n.a.	2.20	13.34	45.82	0.16	23.56	0.15	0.00	n.a.	14.61	0.00	n.a.	n.a.	n.a.	99.86
72	HDM2005-9 #1	170	oxide	886919	1	chromite	0.00	n.a.	1.16	22.87	39.77	0.13	20.87	0.18	0.00	n.a.	14.70	0.01	n.a.	n.a.	n.a.	99.70
73	HDM2005-9 #1	171	oxide	886919	2	chromite	0.00	n.a.	0.17	15.77	50.54	0.32	27.09	0.27	0.19	n.a.	5.17	0.01	n.a.	n.a.	n.a.	99.53
74	HDM2005-9 #1	173	chromite	886919	4	chromite	0.00	n.a.	5.03	10.11	38.77	0.21	34.53	0.33	0.07	n.a.	11.26	0.00	n.a.	n.a.	n.a.	100.33
75	HDM2005-9 #1	174	oxide	886919	5	chromite	0.01	n.a.	2.01	20.59	41.54	0.19	20.44	0.21	0.12	n.a.	15.13	0.00	n.a.	n.a.	n.a.	100.25
77	HDM2005-9 #1	177	oxide	886919	8	chromite	0.05	n.a.	2.02	13.38	44.36	0.08	23.97	0.21	0.08	n.a.	14.20	0.40	n.a.	n.a.	n.a.	98.77
78	HDM2005-9 #1	178	chromite	886920	1	chromite	0.00	n.a.	1.60	18.68	41.83	0.18	24.00	0.28	0.07	n.a.	13.83	0.02	n.a.	n.a.	n.a.	100.49
79	HDM2005-9 #1	179	chromite	886922	1	chromite	0.04	n.a.	2.21	14.46	42.13	0.12	27.55	0.26	0.20	n.a.	12.87	0.00	n.a.	n.a.	n.a.	99.87
80	HDM2005-9 #1	180	chromite	886922	2	chromite	0.00	n.a.	1.85	14.95	45.13	0.16	24.38	0.25	0.16	n.a.	13.62	0.01	n.a.	n.a.	n.a.	100.52
81	HDM2005-9 #1	181	chromite	886922	3	chromite	0.00	n.a.	3.67	8.10	44.79	0.02	28.85	0.25	0.00	n.a.	14.28	0.00	n.a.	n.a.	n.a.	99.99
82	HDM2005-9 #1	182	chromite	886922	4	chromite	0.01	n.a.	3.54	11.01	41.08	0.09	30.99	0.29	0.05	n.a.	12.81	0.00	n.a.	n.a.	n.a.	99.90
83	HDM2005-9 #1	183	chromite	886922	5	chromite	0.10	n.a.	5.99	8.18	30.34	0.05	40.37	0.36	0.04	n.a.	13.02	0.02	n.a.	n.a.	n.a.	98.50
84	HDM2005-9 #1	184	chromite	886924	1	chromite	0.00	n.a.	2.45	7.91	48.88	0.04	25.36	0.24	0.03	n.a.	14.68	0.00	n.a.	n.a.	n.a.	99.59
87	HDM2005-9 #1	187	chromite	886939	2	chromite	0.09	n.a.	4.75	7.07	32.46	0.16	43.96	0.34	0.03	n.a.	10.04	0.01	n.a.	n.a.	n.a.	98.94
88	HDM2005-9 #1	188	chromite	886939	3	chromite	0.02	n.a.	3.19	8.40	44.37	0.11	32.75	0.31	0.13	n.a.	10.82	0.00	n.a.	n.a.	n.a.	100.11
90	HDM2005-9 #1	190	oxide	886943	2	chromite	0.00	n.a.	1.25	25.92	39.40	0.16	17.98	0.15	0.01	n.a.	15.68	0.01	n.a.	n.a.	n.a.	100.57
94	HDM2005-9 #1	195	oxide	887462	1	chromite	0.00	n.a.	3.47	12.46	37.82	0.14	34.17	0.30	0.13	n.a.	11.56	0.00	n.a.	n.a.	n.a.	100.08
95	HDM2005-9 #1	196	chromite	887463	1	chromite	0.01	n.a.	1.68	13.72	48.55	0.17	22.15	0.22	0.00	n.a.	13.87	0.01	n.a.	n.a.	n.a.	100.38
96	HDM2005-9 #1	197	oxide	887463	2	chromite	0.00	n.a.	3.01	8.29	47.13	0.07	27.68	0.28	0.09	n.a.	13.73	0.01	n.a.	n.a.	n.a.	100.31
97	HDM2005-9 #1	198	chromite	887464	1	chromite	0.00	n.a.	2.98	15.78	35.63	0.11	33.10	0.23	0.00	n.a.	12.55	0.00	n.a.	n.a.	n.a.	100.39
99	HDM2005-9 #2	200	oxide	887471	1	chromite	0.00	n.a.	2.50	15.09	39.44	0.15	28.96	0.25	0.07	n.a.	13.23	0.00	n.a.	n.a.	n.a.	99.72

104	HDM2005-9 #2	205	chromite	887476	4	chromite	0.02	n.a.	2.60	12.95	41.52	0.09	29.48	0.27	0.00	n.a.	12.89	0.01	n.a.	n.a.	n.a.	99.83
105	HDM2005-9 #2	206	chromite	887476	5	chromite	0.04	n.a.	0.31	15.43	52.57	0.12	21.54	0.40	0.18	n.a.	11.01	0.01	n.a.	n.a.	n.a.	101.61
106	HDM2005-9 #2	207	chromite	887476	6	chromite	0.01	n.a.	0.19	11.81	50.22	0.15	32.73	0.42	1.02	n.a.	4.64	0.00	n.a.	n.a.	n.a.	101.19
107	HDM2005-9 #2	209	chromite	887479	1	chromite	0.05	n.a.	1.91	21.14	36.97	0.19	26.27	0.22	0.00	n.a.	13.46	0.01	n.a.	n.a.	n.a.	100.22
115	HDM2005-9 #2	220	chromite	887483	12	chromite	0.00	n.a.	4.47	8.47	38.02	0.12	35.72	0.31	0.05	n.a.	11.25	0.01	n.a.	n.a.	n.a.	98.44
121	HDM2005-9 #2	227	chromite	887486	6	chromite	0.02	n.a.	2.62	8.99	50.78	0.06	22.20	0.21	0.00	n.a.	13.10	0.00	n.a.	n.a.	n.a.	97.99
123	HDM2005-9 #2	229	chromite	887487	2	chromite	0.00	n.a.	4.50	8.99	39.83	0.06	29.79	0.24	0.00	n.a.	15.52	0.01	n.a.	n.a.	n.a.	98.96
130	HDM2005-9 #2	236	chromite	887495	4	chromite	0.00	n.a.	3.28	7.60	47.70	0.09	27.53	0.23	0.00	n.a.	13.05	0.01	n.a.	n.a.	n.a.	99.51
131	HDM2005-9 #2	237	chromite	887495	5	chromite	0.01	n.a.	3.09	9.48	47.24	0.03	25.69	0.33	0.11	n.a.	13.63	0.01	n.a.	n.a.	n.a.	99.64
132	HDM2005-9 #2	238	chromite	887495	6	chromite	0.00	n.a.	2.05	14.54	42.31	0.15	26.77	0.24	0.10	n.a.	13.32	0.01	n.a.	n.a.	n.a.	99.51
134	HDM2005-9 #2	240	chromite	887495	8	chromite	0.06	n.a.	2.73	19.42	37.13	0.21	26.86	0.20	0.09	n.a.	13.53	0.00	n.a.	n.a.	n.a.	100.24
137	HDM2005-9 #2	246	chromite	887863	5	chromite	0.01	n.a.	3.49	9.15	46.09	0.04	26.57	0.28	0.05	n.a.	13.61	0.00	n.a.	n.a.	n.a.	99.31
140	HDM2005-9 #2	251	ilmenite	887868	2	chromite	0.01	n.a.	1.68	17.86	42.77	0.12	22.06	0.18	0.01	n.a.	14.99	0.00	n.a.	n.a.	n.a.	99.68
143	HDM2005-9 #2	254	chromite	887870	2	chromite	0.05	n.a.	2.63	8.05	47.04	0.06	25.70	0.22	0.05	n.a.	14.86	0.00	n.a.	n.a.	n.a.	98.70
144	HDM2005-9 #2	256	oxide	887870	4	chromite	0.00	n.a.	3.72	9.85	44.60	0.18	30.16	0.30	0.04	n.a.	11.44	0.00	n.a.	n.a.	n.a.	100.32
148	HDM2005-9 # 2	259	oxide	887870	7	chromite	0.00	n.a.	3.55	9.11	48.09	0.16	25.48	0.25	0.10	n.a.	12.95	0.01	n.a.	n.a.	n.a.	99.72
150	HDM2005-9 # 2	261	chromite	887871	1	chromite	0.01	n.a.	4.13	8.57	45.76	0.06	27.45	0.26	0.14	n.a.	12.41	0.01	n.a.	n.a.	n.a.	98.83
151	HDM2005-9 # 2	266	chromite	887875	1	chromite	0.01	n.a.	1.73	15.87	45.71	0.36	27.43	0.25	0.19	n.a.	9.09	0.00	n.a.	n.a.	n.a.	100.64
9	HDM205-10 #1	1	chromite	887491	1	chromite	0.00	n.a.	2.79	11.98	42.44	0.14	28.59	0.24	0.11	n.a.	13.18	0.01	n.a.	n.a.	n.a.	99.50
10	HDM205-10 #2	2	chromite	887491	2	chromite	0.06	n.a.	5.83	6.95	41.31	0.24	34.80	0.33	0.23	n.a.	9.45	0.01	n.a.	n.a.	n.a.	99.24
13	HDM205-10 #5	5	chromite	887494	1	chromite	0.05	n.a.	2.00	17.82	39.68	0.19	25.87	0.23	0.00	n.a.	13.67	0.01	n.a.	n.a.	n.a.	99.54
14	HDM205-10 #6	6	chromite	887496	1	chromite	0.07	n.a.	4.30	9.29	40.96	0.15	36.66	0.42	0.12	n.a.	7.52	0.00	n.a.	n.a.	n.a.	99.53
15	HDM205-10 #7	7	chromite	887496	2	chromite	0.04	n.a.	3.26	8.00	45.52	0.05	28.52	0.33	0.01	n.a.	13.33	0.00	n.a.	n.a.	n.a.	99.08
17	HDM205-10 #9	9	chromite	887499	1	chromite	0.05	n.a.	3.37	10.89	39.92	0.16	32.29	0.27	0.08	n.a.	11.58	0.00	n.a.	n.a.	n.a.	98.64
20	HDM205-10 #1	12	chromite	887597	2	chromite	0.03	n.a.	1.78	18.78	41.18	0.15	23.56	0.16	0.11	n.a.	13.35	0.01	n.a.	n.a.	n.a.	99.12
21	HDM205-10 #1	13	chromite	887597	3	chromite	0.00	n.a.	4.35	9.35	39.00	0.17	34.15	0.28	0.00	n.a.	11.30	0.00	n.a.	n.a.	n.a.	98.64
23	HDM205-10 #1	15	chromite	887956	1	chromite	0.00	n.a.	2.13	16.06	41.81	0.07	24.86	0.22	0.07	n.a.	14.60	0.01	n.a.	n.a.	n.a.	99.86
24	HDM205-10 #1	16	chromite	887956	2	chromite	0.02	n.a.	2.94	7.79	48.25	0.07	26.00	0.23	0.00	n.a.	13.88	0.01	n.a.	n.a.	n.a.	99.21
25	HDM205-10 #1	17	oxide	887960	1	chromite	0.00	n.a.	3.85	7.63	43.65	0.08	30.34	0.30	0.00	n.a.	12.85	0.01	n.a.	n.a.	n.a.	98.75
26	HDM205-10 #1	18	chromite	887961	1	chromite	0.06	n.a.	1.33	15.89	46.12	0.10	21.47	0.21	0.12	n.a.	14.65	0.00	n.a.	n.a.	n.a.	99.97
27	HDM205-10 #1	19	chromite	887961	2	chromite	0.04	n.a.	3.85	8.84	44.02	0.11	31.22	0.48	0.14	n.a.	11.33	0.00	n.a.	n.a.	n.a.	100.06
28	HDM205-10 #2	20	chromite	887961	3	chromite	0.01	n.a.	3.43	10.67	44.36	0.12	29.19	0.25	0.23	n.a.	11.75	0.01	n.a.	n.a.	n.a.	100.04
29	HDM205-10 #2	21	chromite	887961	4	chromite	0.00	n.a.	3.46	21.32	33.96	0.23	27.67	0.22	0.05	n.a.	12.94	0.00	n.a.	n.a.	n.a.	99.86
30	HDM205-10 #2	22	chromite	887963	1	chromite	0.00	n.a.	2.25	15.16	40.13	0.12	28.96	0.22	0.20	n.a.	12.93	0.02	n.a.	n.a.	n.a.	100.01
31	HDM205-10 #2	23	chromite	887981	1	chromite	0.00	n.a.	1.50	17.31	48.55	0.11	19.10	0.17	0.11	n.a.	12.18	0.00	n.a.	n.a.	n.a.	99.03
33	HDM205-10 #2	25	chromite	887985	1	chromite	0.00	n.a.	4.98	6.44	31.37	0.10	44.61	0.32	0.16	n.a.	10.11	0.02	n.a.	n.a.	n.a.	98.15
34	HDM205-10 #2	26	chromite	887990	1	chromite	0.00	n.a.	1.68	10.76	52.21	0.16	21.62	0.24	0.10	n.a.	12.21	0.01	n.a.	n.a.	n.a.	99.00
35	HDM205-10 #2	27	chromite	887990	2	chromite	0.02	n.a.	3.72	9.77	44.86	0.11	27.81	0.21	0.14	n.a.	13.05	0.01	n.a.	n.a.	n.a.	99.72
36	HDM205-10 #2	28	chromite	887990	3	chromite	0.00	n.a.	1.25	23.30	40.46	0.20	20.48	0.18	0.04	n.a.	12.89	0.00	n.a.	n.a.	n.a.	98.81
37	HDM205-10 #2	29	chromite	887990	4	chromite	0.00	n.a.	1.77	16.54	41.82	0.20	26.42	0.26	0.00	n.a.	12.70	0.00	n.a.	n.a.	n.a.	99.72
38	HDM205-10 #3	30	chromite	887990	5	chromite	0.00	n.a.	3.08	10.34	44.08	0.12	31.20	0.32	0.08	n.a.	10.47	0.00	n.a.	n.a.	n.a.	99.72
39	HDM205-10 #3	31	chromite	887990	6	chromite	0.00	n.a.	1.91	16.15	45.48	0.13	23.29	0.25	0.10	n.a.	11.21	0.00	n.a.	n.a.	n.a.	98.53
40	HDM205-10 #3	32	chromite	887998	1	chromite	0.00	n.a.	2.56	9.69	47.16	0.16	28.08	0.26	0.00	n.a.	11.87	0.00	n.a.	n.a.	n.a.	99.80
44	HDM205-10 #3	36	chromite	888063	2	chromite	0.00	n.a.	4.33	8.92	43.04	0.16	31.61	0.35	0.15	n.a.	10.57	0.00	n.a.	n.a.	n.a.	99.17
45	HDM205-10 #3	37	chromite	888067	1	chromite	0.06	n.a.	3.63	12.37	40.42	0.00	26.62	0.61	0.11	n.a.	13.18	0.14	n.a.	n.a.	n.a.	97.14
46	HDM205-10 #3	38	chromite	888067	2	chromite	0.00	n.a.	4.29	8.97	39.54	0.11	31.37	0.25	0.01	n.a.	13.65	0.01	n.a.	n.a.	n.a.	98.21
47	HDM205-10 #3	39	chromite	888067	3	chromite	0.00	n.a.	2.38	14.39	41.85	0.07	26.90	0.19	0.04	n.a.	13.65	0.00	n.a.	n.a.	n.a.	99.49
48	HDM205-10 #4	40	chromite	888072	1	chromite	0.00	n.a.	3.51	8.77	40.88	0.17	37.09	0.38	0.00	n.a.	8.21	0.00	n.a.	n.a.	n.a.	99.03
49	HDM205-10 #4	41	chromite	888074	1	chromite	0.00	n.a.	1.29	21.12	43.92	0.17	19.23	0.16	0.06	n.a.	13.81	0.01	n.a.	n.a.	n.a.	99.78
50	HDM205-10 #4	42	chromite	888074	2	chromite	0.05	n.a.	1.77	15.05	44.15	0.13	23.91	0.21	0.00	n.a.	14.45	0.00	n.a.	n.a.	n.a.	99.72
52	HDM205-10 #4	44	chromite	888074	4	chromite	0.04	n.a.	2.39	16.74	41.48	0.23	25.65	0.25	0.10	n.a.	13.05	0.00	n.a.	n.a.	n.a.	99.94
53	HDM205-10 #4	45	chromite	888074	5	chromite	0.00	n.a.	2.14	15.11	43.40	0.13	25.59	0.22	0.04	n.a.	11.62	0.01	n.a.	n.a.	n.a.	98.28
54	HDM205-10 #4	46	chromite	888074	6	chromite	0.00	n.a.	3.22	11.07	41.09	0.12	32.54	0.33	0.00	n.a.	10.85	0.00	n.a.	n.a.	n.a.	99.25
55	HDM205-10 #4	47	chromite	888074	7	chromite	0.03	n.a.	4.80	8.13	36.80	0.05	34.93	0.26	0.01	n.a.	13.46	0.00	n.a.	n.a.	n.a.	98.50
56	HDM205-10 #4	48	chromite	888074	8	chromite	0.04	n.a.	3.95	8.25	35.35	0.04	40.58	0.65	0.05	n.a.	9.77	0.00	n.a.	n.a.	n.a.	98.69
59	HDM205-10 #5	51	chromite	888081	2	chromite	0.05	n.a.	3.66	7.35	43.72	0.12	32.55	0.29	0.00	n.a.	11.31	0.01	n.a.	n.a.	n.a.	99.07
61	HDM205-10 #5	54	chromite	888087	1	chromite	0.00	n.a.	5.64	8.90	39.10	0.21	34.31	0.24	0.11	n.a.	10.76	0.01	n.a.	n.a.	n.a.	99.32
62	HDM205-10 #5	56	chromite	888091	1	chromite	0.05	n.a.	5.62	11.10	35.26	0.16	34.24	0.24	0.05	n.a.	11.45	0.00	n.a.	n.a.	n.a.	98.22

63	HDM205-10 #5	57	chromite	888091	2	chromite	0.00	n.a.	1.08	19.16	44.15	0.12	20.14	0.22	0.06	n.a.	14.67	0.00	n.a.	n.a.	n.a.	99.62
64	HDM205-10 #5	58	chromite	888091	3	chromite	0.05	n.a.	1.08	22.97	42.60	0.19	18.80	0.19	0.05	n.a.	12.93	0.00	n.a.	n.a.	n.a.	98.87
65	HDM205-10 #5	59	chromite	888091	4	chromite	0.00	n.a.	2.39	15.49	41.08	0.12	27.22	0.29	0.00	n.a.	12.84	0.00	n.a.	n.a.	n.a.	99.45
66	HDM205-10 #6	60	chromite	888088	1	chromite	0.02	n.a.	3.19	7.75	46.26	0.05	27.71	0.24	0.01	n.a.	13.47	0.00	n.a.	n.a.	n.a.	98.72
68	HDM205-10 #6	62	Ilmenite	888090	1	chromite	0.00	n.a.	0.03	24.48	44.63	0.17	14.61	0.17	0.09	n.a.	14.79	0.00	n.a.	n.a.	n.a.	98.98
69	HDM205-10 #6	63	chromite	KD5717	1	chromite	0.00	n.a.	2.93	18.97	33.07	0.14	31.35	0.28	0.17	n.a.	11.73	0.00	n.a.	n.a.	n.a.	98.67
71	HDM205-10 #6	65	Ilmenite	KD5718	1	chromite	0.12	n.a.	1.10	24.66	40.05	0.15	18.19	0.18	0.00	n.a.	16.05	0.00	n.a.	n.a.	n.a.	100.50
72	HDM205-10 #6	67	chromite	KD5720	3	chromite	0.01	n.a.	7.12	7.88	26.29	0.03	40.40	0.29	0.00	n.a.	15.95	0.02	n.a.	n.a.	n.a.	98.05
73	HDM205-10 #6	69	chromite	KD5722	3	chromite	0.00	n.a.	0.08	22.72	45.88	0.18	20.00	0.24	0.24	n.a.	10.93	0.00	n.a.	n.a.	n.a.	100.29
74	HDM205-10 #7	70	chromite	KD5723	1	chromite	0.04	n.a.	5.80	8.35	34.07	0.15	39.52	0.32	0.03	n.a.	10.51	0.00	n.a.	n.a.	n.a.	98.83
75	HDM205-10 #7	71	chromite	90640	1	chromite	0.02	n.a.	4.81	7.05	39.97	0.09	33.26	0.32	0.05	n.a.	12.50	0.00	n.a.	n.a.	n.a.	98.10
76	HDM205-10 #7	72	chromite	90640	2	chromite	0.00	n.a.	4.52	7.20	42.25	0.08	31.52	0.28	0.10	n.a.	12.75	0.00	n.a.	n.a.	n.a.	98.75
80	HDM205-10 #7	76	chromite	91508	1	chromite	0.04	n.a.	4.02	7.16	44.14	0.06	32.58	0.33	0.11	n.a.	10.27	0.00	n.a.	n.a.	n.a.	98.74
81	HDM205-10 #7	77	chromite	91531	2	chromite	0.00	n.a.	1.47	17.50	42.32	0.16	24.76	0.23	0.18	n.a.	13.06	0.00	n.a.	n.a.	n.a.	99.70
82	HDM205-10 #7	78	chromite	91635	3	chromite	0.00	n.a.	1.71	15.68	44.47	0.06	23.53	0.19	0.10	n.a.	11.95	0.00	n.a.	n.a.	n.a.	97.71
83	HDM205-10 #7	79	chromite	91635	4	chromite	0.00	n.a.	4.39	8.83	41.53	0.14	31.60	0.34	0.07	n.a.	11.35	0.00	n.a.	n.a.	n.a.	98.27
84	HDM205-10 #8	80	chromite	91636	1	chromite	0.00	n.a.	4.62	10.29	39.39	0.18	32.20	0.29	0.03	n.a.	12.02	0.00	n.a.	n.a.	n.a.	99.04
86	HDM205-10 #8	81	chromite	91636	2	chromite	0.03	n.a.	4.61	10.30	39.37	0.13	32.66	0.32	0.14	n.a.	11.99	0.00	n.a.	n.a.	n.a.	99.57
88	HDM205-10 #8	84	chromite	91641	4	chromite	0.04	n.a.	1.68	19.25	40.48	0.14	23.35	0.23	0.00	n.a.	14.41	0.00	n.a.	n.a.	n.a.	99.60
89	HDM205-10 #8	85	chromite	91641	5	chromite	0.05	n.a.	1.98	17.08	39.76	0.14	25.85	0.21	0.06	n.a.	13.93	0.00	n.a.	n.a.	n.a.	99.07
90	HDM205-10 #8	87	chromite	91641	7	chromite	0.00	n.a.	5.11	6.96	31.31	0.13	43.72	0.32	0.22	n.a.	10.24	0.01	n.a.	n.a.	n.a.	98.06
77	HDM205-10 #8	88	chromite	91644	2	chromite	0.00	n.a.	4.47	7.07	42.10	0.07	31.42	0.32	0.00	n.a.	12.73	0.00	n.a.	n.a.	n.a.	98.21
92	HDM205-10 #9	92	chromite	877769	1	chromite	0.00	n.a.	1.99	16.55	43.34	0.06	22.13	0.23	0.06	n.a.	15.23	0.00	n.a.	n.a.	n.a.	99.62
93	HDM205-10 #9	93	chromite	887896	1	chromite	0.00	n.a.	2.32	13.98	42.19	0.13	26.66	0.18	0.04	n.a.	13.23	0.00	n.a.	n.a.	n.a.	98.75
95	HDM205-10 #9	95	chromite	887964	1	chromite	0.00	n.a.	2.31	7.70	54.78	0.08	22.38	0.20	0.07	n.a.	9.93	0.01	n.a.	n.a.	n.a.	97.48
96	HDM205-10 #9	96	chromite	887964	2	chromite	0.05	n.a.	4.69	6.85	41.64	0.08	33.09	0.27	0.05	n.a.	11.80	0.00	n.a.	n.a.	n.a.	98.56
100	HDM205-10 #1	100	chromite	887968	1	chromite	0.04	n.a.	4.50	8.83	40.19	0.14	31.84	0.29	0.12	n.a.	12.26	0.00	n.a.	n.a.	n.a.	98.23
104	HDM205-10 #1	104	oxide	887972	1	chromite	0.00	n.a.	3.11	18.60	35.37	0.18	29.09	0.24	0.00	n.a.	12.36	0.00	n.a.	n.a.	n.a.	98.97
106	HDM205-10 #1	107	oxide	887973	3	chromite	0.00	n.a.	0.69	9.24	60.22	0.35	17.14	0.28	0.13	n.a.	12.16	0.01	n.a.	n.a.	n.a.	100.23
107	HDM205-10 #1	108	chromite	887984	1	chromite	0.00	n.a.	3.72	9.90	44.28	0.14	29.08	0.24	0.20	n.a.	11.32	0.00	n.a.	n.a.	n.a.	98.91
108	HDM205-10 #1	109	chromite	887986	1	chromite	0.03	n.a.	1.56	20.86	40.91	0.17	21.64	0.18	0.00	n.a.	12.60	0.01	n.a.	n.a.	n.a.	97.98
111	HDM205-10 #1	112	chromite	887991	1	chromite	0.01	n.a.	1.68	18.05	41.39	0.10	21.86	0.17	0.01	n.a.	15.52	0.00	n.a.	n.a.	n.a.	98.81
112	HDM205-10 #1	113	oxide	887993	1	chromite	0.00	n.a.	3.32	9.34	41.97	0.09	32.25	0.35	0.03	n.a.	10.92	0.00	n.a.	n.a.	n.a.	98.31
113	HDM205-10 #1	114	oxide	887994	1	chromite	0.00	n.a.	1.67	15.70	43.26	0.14	25.35	0.22	0.05	n.a.	12.86	0.00	n.a.	n.a.	n.a.	99.27
114	HDM205-10 #1	115	oxide	887994	2	chromite	0.00	n.a.	2.37	8.77	51.47	0.12	25.33	0.25	0.16	n.a.	9.19	0.00	n.a.	n.a.	n.a.	97.69
115	HDM205-10 #1	116	chromite	887994	3	chromite	0.05	n.a.	1.60	16.45	43.87	0.14	22.19	0.25	0.05	n.a.	14.59	0.01	n.a.	n.a.	n.a.	99.21
117	HDM205-10 #1	118	chromite	887995	1	chromite	0.00	n.a.	2.06	11.67	46.46	0.11	25.78	0.24	0.00	n.a.	12.25	0.00	n.a.	n.a.	n.a.	98.59
118	HDM205-10 #1	119	chromite	887996	1	chromite	0.01	n.a.	3.55	8.55	45.43	0.12	27.14	0.29	0.09	n.a.	12.86	0.00	n.a.	n.a.	n.a.	98.06
119	HDM205-10 #1	120	chromite	887997	1	chromite	0.00	n.a.	2.90	15.34	41.79	0.18	24.69	0.20	0.00	n.a.	13.72	0.00	n.a.	n.a.	n.a.	98.85
120	HDM205-10 #1	121	chromite	888053	1	chromite	0.00	n.a.	4.93	8.52	36.96	0.09	31.60	0.30	0.00	n.a.	14.97	0.01	n.a.	n.a.	n.a.	97.41
121	HDM205-10 #1	122	chromite	888053	2	chromite	0.05	n.a.	4.18	8.19	39.77	0.05	32.48	0.26	0.07	n.a.	13.26	0.00	n.a.	n.a.	n.a.	98.34
123	HDM205-10 #1	124	chromite	888057	2	chromite	0.02	n.a.	1.28	22.33	42.51	0.14	16.95	0.16	0.00	n.a.	16.10	0.01	n.a.	n.a.	n.a.	99.52
127	HDM205-10 #1	128	oxide	888065	3	chromite	0.00	n.a.	5.52	9.69	37.59	0.12	33.78	0.33	0.13	n.a.	10.97	0.00	n.a.	n.a.	n.a.	98.17
129	HDM205-10 #1	130	chromite	888068	2	chromite	0.00	n.a.	2.35	14.80	40.24	0.17	28.75	0.24	0.06	n.a.	12.65	0.00	n.a.	n.a.	n.a.	99.26
131	HDM205-10 #1	132	chromite	888068	4	chromite	0.04	n.a.	2.73	9.12	49.93	0.07	22.32	0.23	0.05	n.a.	14.88	0.00	n.a.	n.a.	n.a.	99.40
132	HDM205-10 #1	133	chromite	888068	5	chromite	0.00	n.a.	6.59	7.43	28.20	0.08	43.67	0.40	0.03	n.a.	11.08	0.01	n.a.	n.a.	n.a.	97.54
133	HDM205-10 #1	134	chromite	888069	1	chromite	0.03	n.a.	3.09	8.14	46.91	0.04	26.90	0.24	0.02	n.a.	13.67	0.00	n.a.	n.a.	n.a.	99.07
135	HDM205-10 #1	136	chromite	888071	1	chromite	0.00	n.a.	3.86	9.54	39.05	0.17	36.76	0.38	0.01	n.a.	9.09	0.01	n.a.	n.a.	n.a.	98.88
137	HDM205-10 #1	138	chromite	888071	3	chromite	0.01	n.a.	2.30	15.09	39.68	0.14	28.75	0.22	0.00	n.a.	12.91	0.00	n.a.	n.a.	n.a.	99.13
138	HDM205-10 #1	139	chromite	888071	4	chromite	0.00	n.a.	1.94	12.31	46.55	0.14	24.35	0.20	0.08	n.a.	13.58	0.01	n.a.	n.a.	n.a.	99.18
141	HDM205-10 #1	142	oxide	888077	2	chromite	0.00	n.a.	2.51	7.22	49.84	0.05	24.42	0.21	0.09	n.a.	13.85	0.01	n.a.	n.a.	n.a.	98.22
142	HDM205-10 #1	144	chromite	888079	1	chromite	0.00	n.a.	1.95	13.27	43.05	0.10	26.82	0.22	0.14	n.a.	13.69	0.02	n.a.	n.a.	n.a.	99.26
143	HDM205-10 #1	145	oxide	888084	1	chromite	0.00	n.a.	3.56	9.63	45.36	0.19	27.68	0.27	0.15	n.a.	12.28	0.00	n.a.	n.a.	n.a.	99.15
144	HDM205-10 #1	146	oxide	888085	1	chromite	0.05	n.a.	0.08	18.06	51.17	0.18	14.92	0.21	0.01	n.a.	14.58	0.01	n.a.	n.a.	n.a.	99.28
145	HDM205-10 #1	147	chromite	888092	1	chromite	0.00	n.a.	2.50	15.66	36.42	0.21	33.93	0.27	0.12	n.a.	10.37	0.00	n.a.	n.a.	n.a.	99.50
146	HDM205-10 #1	148	chromite	888092	2	chromite	0.00	n.a.	1.88	14.93	43.86	0.10	24.62	0.21	0.00	n.a.	13.74	0.00	n.a.	n.a.	n.a.	99.35
147	HDM205-10 #1	149	chromite	888092	3	chromite	0.01	n.a.	2.74	6.76	47.73	0.07	28.57	0.26	0.01	n.a.	12.79	0.01	n.a.	n.a.	n.a.	98.97
148	HDM205-10 #1	150	chromite	888093	1	chromite	0.00	n.a.	2.95	14.47	39.05	0.10	30.51	0.32	0.06	n.a.	12.01	0.00	n.a.	n.a.	n.a.	99.49

149	HDM205-10 #1	151	chromite	888093	2	chromite	0.03	n.a.	1.66	17.38	42.62	0.11	21.97	0.21	0.00	n.a.	14.99	0.01	n.a.	n.a.	n.a.	99.00
150	HDM205-10 #1	152	chromite	888094	1	chromite	0.00	n.a.	1.83	17.61	40.11	0.11	25.14	0.24	0.09	n.a.	13.98	0.00	n.a.	n.a.	n.a.	99.12
n.a.	n.a.	n.a.	n.a.	91634	2	chromite	0.05	n.a.	3.99	9.71	46.54	0.16	26.49	0.26	0.05	n.a.	12.36	0.01	n.a.	n.a.	n.a.	99.63
n.a.	n.a.	n.a.	n.a.	91647	1	chromite	0.00	n.a.	2.33	14.20	39.98	0.09	29.61	0.26	0.03	n.a.	13.64	0.01	n.a.	n.a.	n.a.	100.15
n.a.	n.a.	n.a.	n.a.	91749	1	chromite	0.00	n.a.	1.77	15.76	46.23	0.18	21.26	0.23	0.14	n.a.	15.03	0.00	n.a.	n.a.	n.a.	100.60
n.a.	n.a.	n.a.	n.a.	91790	1	chromite	0.00	n.a.	2.20	14.61	43.96	0.16	25.12	0.23	0.13	n.a.	14.39	0.00	n.a.	n.a.	n.a.	100.79
n.a.	n.a.	n.a.	n.a.	91791	2	chromite	0.02	n.a.	1.94	11.00	52.55	0.12	22.99	0.24	0.22	n.a.	9.72	0.01	n.a.	n.a.	n.a.	98.81
n.a.	n.a.	n.a.	n.a.	91855	2	chromite	0.03	n.a.	1.76	18.19	43.68	0.15	23.31	0.19	0.08	n.a.	14.14	0.01	n.a.	n.a.	n.a.	101.54
n.a.	n.a.	n.a.	n.a.	91901	1	chromite	0.00	n.a.	5.03	15.25	40.20	0.21	25.04	0.20	0.17	n.a.	14.09	0.01	n.a.	n.a.	n.a.	100.21
n.a.	n.a.	n.a.	n.a.	91918	1	chromite	0.00	n.a.	1.94	12.38	48.36	0.13	24.42	0.19	0.08	n.a.	11.54	0.01	n.a.	n.a.	n.a.	99.06
n.a.	n.a.	n.a.	n.a.	91918	2	chromite	0.00	n.a.	3.08	12.41	34.77	0.14	38.56	0.27	0.12	n.a.	7.27	0.00	n.a.	n.a.	n.a.	96.61
n.a.	n.a.	n.a.	n.a.	877751	1	chromite	0.00	n.a.	2.09	13.13	44.08	0.13	26.65	0.20	0.00	n.a.	13.06	0.00	n.a.	n.a.	n.a.	99.34
n.a.	n.a.	n.a.	n.a.	877751	2	chromite	0.00	n.a.	3.28	7.02	46.75	0.09	28.24	0.25	0.06	n.a.	13.71	0.00	n.a.	n.a.	n.a.	99.40
n.a.	n.a.	n.a.	n.a.	877752	2	chromite	0.00	n.a.	6.34	6.14	29.76	0.21	45.69	1.76	0.15	n.a.	7.86	0.00	n.a.	n.a.	n.a.	97.91
n.a.	n.a.	n.a.	n.a.	877752	3	chromite	0.00	n.a.	5.24	8.26	37.72	0.11	32.14	0.24	0.00	n.a.	15.81	0.00	n.a.	n.a.	n.a.	99.51
n.a.	n.a.	n.a.	n.a.	877756	1	chromite	0.09	n.a.	1.60	13.51	45.71	0.10	24.12	0.22	0.19	n.a.	13.65	0.01	n.a.	n.a.	n.a.	99.20
n.a.	n.a.	n.a.	n.a.	877777	2	chromite	0.00	n.a.	1.29	25.78	39.15	0.16	19.78	0.14	0.21	n.a.	12.85	0.00	n.a.	n.a.	n.a.	99.38
n.a.	n.a.	n.a.	n.a.	877790	1	chromite	0.00	n.a.	1.10	20.60	43.05	0.10	20.23	0.19	0.09	n.a.	15.12	0.01	n.a.	n.a.	n.a.	100.48
n.a.	n.a.	n.a.	n.a.	877794	1	chromite	0.04	n.a.	2.44	7.93	52.61	0.05	22.92	0.18	0.01	n.a.	11.72	0.00	n.a.	n.a.	n.a.	97.90
n.a.	n.a.	n.a.	n.a.	877794	4	chromite	0.00	n.a.	2.87	7.49	49.23	0.06	25.48	0.24	0.11	n.a.	13.94	0.01	n.a.	n.a.	n.a.	99.43
n.a.	n.a.	n.a.	n.a.	878164	1	chromite	0.11	n.a.	2.22	17.69	37.46	0.11	27.60	0.23	0.00	n.a.	13.75	0.01	n.a.	n.a.	n.a.	99.18
n.a.	n.a.	n.a.	n.a.	878192	4	chromite	0.00	n.a.	1.12	17.71	49.24	0.11	17.51	0.18	0.00	n.a.	13.06	0.01	n.a.	n.a.	n.a.	98.93
n.a.	n.a.	n.a.	n.a.	886937	3	chromite	0.00	n.a.	3.88	10.37	43.05	0.17	28.89	0.28	0.15	n.a.	11.99	0.01	n.a.	n.a.	n.a.	98.80
n.a.	n.a.	n.a.	n.a.	886940	3	chromite	0.03	n.a.	4.22	15.50	37.32	0.28	29.50	0.23	0.12	n.a.	12.58	0.02	n.a.	n.a.	n.a.	99.80
n.a.	n.a.	n.a.	n.a.	886940	6	chromite	0.00	n.a.	2.44	17.64	36.87	0.16	30.25	0.33	0.00	n.a.	12.15	0.00	n.a.	n.a.	n.a.	99.83
n.a.	n.a.	n.a.	n.a.	887866	2	chromite	0.11	n.a.	4.78	6.99	41.73	0.13	32.64	0.30	0.16	n.a.	13.14	0.01	n.a.	n.a.	n.a.	99.97
n.a.	n.a.	n.a.	n.a.	887866	3	chromite	0.08	n.a.	2.71	12.69	39.14	0.10	32.87	0.31	0.00	n.a.	11.48	0.00	n.a.	n.a.	n.a.	99.37
n.a.	n.a.	n.a.	n.a.	887989	3	chromite	0.00	n.a.	4.72	9.48	36.27	0.14	36.54	0.33	0.07	n.a.	11.06	0.01	n.a.	n.a.	n.a.	98.63
n.a.	n.a.	n.a.	n.a.	887989	4	chromite	0.06	n.a.	5.12	10.11	37.31	0.12	35.67	0.33	0.02	n.a.	11.03	0.00	n.a.	n.a.	n.a.	99.78
118	HDM2005-9 # 4	42	oxide	91797	2	Cr-hercynite	0.00	n.a.	0.03	58.64	8.40	0.05	14.52	0.11	0.10	n.a.	18.87	0.01	n.a.	n.a.	n.a.	100.71
160	HDM2005-9 # 8	88	oxide	877796	1	Cr-hercynite	0.03	n.a.	0.03	57.12	9.31	0.09	12.02	0.10	0.06	n.a.	19.74	0.00	n.a.	n.a.	n.a.	98.50
15	HDM2005-8 #7	7	chromite	90773	2	Cr-spinel	0.03	n.a.	0.13	27.27	41.76	0.22	13.34	0.13	0.16	n.a.	17.37	0.01	n.a.	n.a.	n.a.	100.40
24	HDM2005-8 #1	16	chromite	90838	1	Cr-spinel	0.02	n.a.	2.58	22.11	32.60	0.16	27.89	0.28	0.06	n.a.	13.37	0.00	n.a.	n.a.	n.a.	99.07
31	HDM2005-8 #2	26	chromite	90889	1	Cr-spinel	0.09	n.a.	1.00	25.80	38.81	0.14	17.76	0.13	0.00	n.a.	16.26	0.00	n.a.	n.a.	n.a.	99.99
39	HDM2005-8 #3	36	chromite	90930	3	Cr-spinel	0.00	n.a.	0.53	32.78	34.81	0.14	14.19	0.19	0.00	n.a.	17.84	0.01	n.a.	n.a.	n.a.	100.47
51	HDM2005-8 #4	46	chromite	90951	2	Cr-spinel	0.05	n.a.	0.10	30.23	29.42	0.18	28.32	0.29	0.16	n.a.	9.83	0.00	n.a.	n.a.	n.a.	98.59
60	HDM2005-8 #5	59	chromite	91542	2	Cr-spinel	0.01	n.a.	1.06	24.39	38.47	0.08	18.12	0.18	0.07	n.a.	16.06	0.01	n.a.	n.a.	n.a.	98.44
75	HDM2005-8 #7	73	ilmenite	91630	3	Cr-spinel	0.00	n.a.	0.11	33.93	34.38	0.13	13.51	0.13	0.00	n.a.	17.77	0.00	n.a.	n.a.	n.a.	99.96
93	HDM2005-8 #8	82	chromite	91642	1	Cr-spinel	0.00	n.a.	1.34	22.24	39.88	0.16	21.92	0.23	0.10	n.a.	14.35	0.01	n.a.	n.a.	n.a.	100.22
83	HDM2005-8 #9	90	chromite	91667	2	Cr-spinel	0.00	n.a.	1.07	28.78	35.23	0.12	17.42	0.16	0.08	n.a.	16.74	0.00	n.a.	n.a.	n.a.	99.61
81	HDM2005-8 #9	92	rutile	91668	1	Cr-spinel	0.00	n.a.	1.63	35.09	26.08	0.16	21.21	0.18	0.06	n.a.	15.51	0.00	n.a.	n.a.	n.a.	99.91
102	HDM2005-8 #1	101	chromite	91726	3	Cr-spinel	0.00	n.a.	0.97	23.09	30.40	0.31	36.33	0.41	1.08	n.a.	7.31	0.00	n.a.	n.a.	n.a.	99.90
117	HDM2005-8 #1	126	ilmenite	91783	5	Cr-spinel	0.04	n.a.	0.61	29.79	37.15	0.11	15.19	0.20	0.06	n.a.	17.15	0.01	n.a.	n.a.	n.a.	100.29
8	HDM2005-8 #1	134	oxide	91836	1	Cr-spinel	0.00	n.a.	1.17	31.08	31.32	0.15	20.15	0.19	0.12	n.a.	15.29	0.00	n.a.	n.a.	n.a.	99.48
12	HDM2005-8 #1	138	chromite	91838	1	Cr-spinel	0.00	n.a.	0.20	39.97	28.76	0.22	12.40	0.08	0.06	n.a.	18.41	0.01	n.a.	n.a.	n.a.	100.11
23	HDM2005-8 #1	149	rutile	91949	1	Cr-spinel	0.00	n.a.	0.41	44.92	18.60	0.16	19.39	0.14	0.10	n.a.	16.96	0.00	n.a.	n.a.	n.a.	100.68
31	HDM2005-8 #1	158	chromite	877767	2	Cr-spinel	0.00	n.a.	0.39	31.79	20.23	1.00	44.38	0.28	1.03	n.a.	1.22	0.00	n.a.	n.a.	n.a.	100.31
35	HDM2005-8 #1	163	chromite	877789	3	Cr-spinel	0.00	n.a.	0.76	34.51	30.91	0.11	17.03	0.19	0.12	n.a.	17.02	0.00	n.a.	n.a.	n.a.	100.65
43	HDM2005-8 #1	171	chromite	886926	1	Cr-spinel	0.04	n.a.	0.77	42.56	19.28	0.06	19.71	0.17	0.16	n.a.	17.72	0.00	n.a.	n.a.	n.a.	100.49
46	HDM2005-8 #1	175	chromite	886930	3	Cr-spinel	0.11	n.a.	2.61	20.78	27.75	0.20	34.12	0.26	0.25	n.a.	11.98	0.01	n.a.	n.a.	n.a.	98.07
47	HDM2005-8 #1	177	chromite	886931	2	Cr-spinel	0.00	n.a.	2.14	18.84	38.17	0.10	26.85	0.24	0.00	n.a.	13.58	0.00	n.a.	n.a.	n.a.	99.92
57	HDM2005-8 #1	188	chromite	887452	1	Cr-spinel	0.00	n.a.	1.19	25.18	38.26	0.11	18.58	0.21	0.13	n.a.	15.89	0.00	n.a.	n.a.	n.a.	99.55
70	HDM2005-8 #2	201	chromite	887473	2	Cr-spinel	0.00	n.a.	1.28	25.57	37.98	0.16	19.64	0.21	0.02	n.a.	15.89	0.01	n.a.	n.a.	n.a.	100.76
87	HDM2005-9 #0	7	chromite	91634	4	Cr-spinel	0.02	n.a.	1.18	30.96	31.32	0.15	21.62	0.22	0.00	n.a.	15.28	0.00	n.a.	n.a.	n.a.	100.75
88	HDM2005-9 #0	8	chromite	91634	5	Cr-spinel	0.00	n.a.	1.49	24.97	36.18	0.13	21.96	0.21	0.06	n.a.	14.99	0.00	n.a.	n.a.	n.a.	99.97
108	HDM2005-9 #3	32	chromite	91655	6	Cr-spinel	0.00	n.a.	0.85	24.70	31.58	0.13	17.10	0.16	0.05	n.a.	12.78	0.01	n.a.	n.a.	n.a.	87.36

113	HDM2005-9 # 3	36	oxide	91704	1	Cr-spinel	0.04	n.a.	0.94	32.86	31.98	0.10	18.01	0.19	0.06	n.a.	17.13	0.00	n.a.	n.a.	n.a.	101.31
123	HDM2005-9 # 4	49	chromite	91819	6	Cr-spinel	0.01	n.a.	2.35	22.30	37.48	0.25	24.02	0.19	0.14	n.a.	13.74	0.01	n.a.	n.a.	n.a.	100.48
128	HDM2005-9 # 5	54	chromite	91823	3	Cr-spinel	0.00	n.a.	0.84	26.22	40.74	0.14	16.74	0.13	0.04	n.a.	14.39	0.01	n.a.	n.a.	n.a.	99.26
130	HDM2005-9 # 5	56	chromite	91823	5	Cr-spinel	0.06	n.a.	0.78	33.64	30.39	0.11	18.67	0.14	0.00	n.a.	17.01	0.01	n.a.	n.a.	n.a.	100.79
144	HDM2005-9 # 7	71	oxide	877762	1	Cr-spinel	0.05	n.a.	0.34	30.29	35.97	0.13	14.30	0.16	0.02	n.a.	17.39	0.01	n.a.	n.a.	n.a.	98.67
147	HDM2005-9 # 7	74	chromite	877776	1	Cr-spinel	0.06	n.a.	1.22	25.74	36.03	0.14	18.97	0.20	0.00	n.a.	15.76	0.00	n.a.	n.a.	n.a.	98.10
162	HDM2005-9 # 9	90	chromite	877797	2	Cr-spinel	0.03	n.a.	1.20	22.52	39.00	0.12	19.57	0.17	0.11	n.a.	15.13	0.01	n.a.	n.a.	n.a.	97.85
166	HDM2005-9 # 9	96	ilmenite	878155	1	Cr-spinel	0.02	n.a.	0.44	41.42	24.31	0.08	13.67	0.11	0.02	n.a.	18.92	0.00	n.a.	n.a.	n.a.	98.98
168	HDM2005-9 # 9	98	chromite	878159	1	Cr-spinel	0.06	n.a.	0.90	22.75	41.29	0.14	19.46	0.21	0.13	n.a.	12.01	0.00	n.a.	n.a.	n.a.	96.94
10	HDM2005-9 #1	104	chromite	878181	2	Cr-spinel	0.05	n.a.	0.75	36.01	30.12	0.16	16.64	0.15	0.06	n.a.	17.68	0.00	n.a.	n.a.	n.a.	101.61
31	HDM2005-9 #1	129	chromite	878191	3	Cr-spinel	0.00	n.a.	0.78	34.17	32.60	0.15	16.39	0.16	0.14	n.a.	14.63	0.00	n.a.	n.a.	n.a.	99.03
40	HDM2005-9 #1	138	oxide	878196	1	Cr-spinel	0.04	n.a.	1.02	29.02	36.65	0.14	17.54	0.19	0.00	n.a.	16.85	0.00	n.a.	n.a.	n.a.	101.44
43	HDM2005-9 #1	141	oxide	878197	2	Cr-spinel	0.00	n.a.	0.38	31.56	37.26	0.13	14.11	0.16	0.07	n.a.	17.68	0.00	n.a.	n.a.	n.a.	101.35
57	HDM2005-9 #1	155	chromite	878199	9	Cr-spinel	0.09	n.a.	0.66	39.84	26.16	0.13	16.37	0.14	0.18	n.a.	18.12	0.01	n.a.	n.a.	n.a.	101.69
58	HDM2005-9 #1	156	chromite	878199	10	Cr-spinel	0.00	n.a.	0.19	44.80	24.58	0.09	12.22	0.13	0.15	n.a.	19.48	0.00	n.a.	n.a.	n.a.	101.64
62	HDM2005-9 #1	160	chromite	878199	14	Cr-spinel	0.00	n.a.	1.07	33.84	29.30	0.13	19.16	0.15	0.00	n.a.	16.54	0.01	n.a.	n.a.	n.a.	100.20
66	HDM2005-9 #1	164	chromite	878199	18	Cr-spinel	0.00	n.a.	0.64	33.02	33.71	0.12	15.83	0.14	0.00	n.a.	17.27	0.00	n.a.	n.a.	n.a.	100.74
69	HDM2005-9 #1	167	oxide	886908	1	Cr-spinel	0.04	n.a.	0.42	38.14	28.98	0.10	15.41	0.15	0.11	n.a.	18.21	0.01	n.a.	n.a.	n.a.	101.57
76	HDM2005-9 #1	176	oxide	886919	7	Cr-spinel	0.01	n.a.	1.00	29.20	36.28	0.14	17.28	0.22	0.01	n.a.	16.73	0.01	n.a.	n.a.	n.a.	100.90
103	HDM2005-9 #2	204	chromite	887476	3	Cr-spinel	0.08	n.a.	0.91	31.40	33.26	0.10	18.47	0.15	0.03	n.a.	16.20	0.01	n.a.	n.a.	n.a.	100.61
116	HDM2005-9 #2	221	chromite	887483	13	Cr-spinel	0.02	n.a.	1.03	31.03	33.54	0.08	18.64	0.18	0.00	n.a.	16.37	0.01	n.a.	n.a.	n.a.	100.88
124	HDM2005-9 #2	230	chromite	887493	1	Cr-spinel	0.00	n.a.	0.84	35.71	29.73	0.09	16.32	0.19	0.07	n.a.	17.59	0.00	n.a.	n.a.	n.a.	100.54
125	HDM2005-9 #2	231	chromite	887493	2	Cr-spinel	0.00	n.a.	1.31	27.93	33.48	0.18	22.35	0.20	0.18	n.a.	15.13	0.00	n.a.	n.a.	n.a.	100.78
126	HDM2005-9 #2	232	oxide	887493	3	Cr-spinel	0.08	n.a.	0.89	33.53	33.39	0.15	16.97	0.14	0.09	n.a.	15.92	0.00	n.a.	n.a.	n.a.	101.18
133	HDM2005-9 #2	239	chromite	887495	7	Cr-spinel	0.00	n.a.	1.79	31.81	27.73	0.16	23.89	0.22	0.11	n.a.	15.11	0.00	n.a.	n.a.	n.a.	100.82
135	HDM2005-9 #2	242	chromite	887495	10	Cr-spinel	0.02	n.a.	0.10	47.43	20.05	0.12	14.54	0.14	0.12	n.a.	18.90	0.00	n.a.	n.a.	n.a.	101.42
138	HDM2005-9 #2	247	chromite	887863	6	Cr-spinel	0.00	n.a.	0.48	40.52	26.88	0.09	14.46	0.16	0.04	n.a.	18.49	0.01	n.a.	n.a.	n.a.	101.13
18	HDM205-10 #1	10	chromite	887500	1	Cr-spinel	0.00	n.a.	1.04	30.76	33.65	0.11	17.22	0.17	0.19	n.a.	16.83	0.00	n.a.	n.a.	n.a.	99.97
19	HDM205-10 #1	11	chromite	887597	1	Cr-spinel	0.01	n.a.	1.73	26.00	34.45	0.19	21.93	0.15	0.00	n.a.	15.07	0.00	n.a.	n.a.	n.a.	99.55
42	HDM205-10 #3	34	chromite	887998	3	Cr-spinel	0.03	n.a.	0.61	28.94	39.59	0.13	14.06	0.13	0.03	n.a.	15.13	0.01	n.a.	n.a.	n.a.	98.67
43	HDM205-10 #3	35	chromite	888063	1	Cr-spinel	0.00	n.a.	0.60	31.53	33.88	0.11	16.10	0.16	0.11	n.a.	17.14	0.01	n.a.	n.a.	n.a.	99.63
67	HDM205-10 #6	61	chromite	888088	2	Cr-spinel	0.00	n.a.	0.52	31.33	36.23	0.11	15.02	0.15	0.10	n.a.	15.54	0.00	n.a.	n.a.	n.a.	99.00
79	HDM205-10 #7	74	chromite	90757	1	Cr-spinel	0.02	n.a.	0.93	27.39	37.11	0.13	17.61	0.20	0.05	n.a.	16.11	0.00	n.a.	n.a.	n.a.	99.57
97	HDM205-10 #9	97	chromite	887964	3	Cr-spinel	0.04	n.a.	0.58	34.51	32.86	0.11	14.11	0.17	0.08	n.a.	17.86	0.01	n.a.	n.a.	n.a.	100.34
103	HDM205-10 #1	103	chromite	887971	2	Cr-spinel	0.03	n.a.	0.66	35.77	30.48	0.12	13.96	0.16	0.05	n.a.	18.21	0.01	n.a.	n.a.	n.a.	99.45
125	HDM205-10 #1	126	chromite	888065	1	Cr-spinel	0.04	n.a.	1.42	28.27	31.76	0.16	21.85	0.16	0.10	n.a.	15.09	0.00	n.a.	n.a.	n.a.	98.86
126	HDM205-10 #1	127	chromite	888065	2	Cr-spinel	0.00	n.a.	1.72	31.46	28.10	0.15	22.69	0.24	0.07	n.a.	15.15	0.00	n.a.	n.a.	n.a.	99.58
128	HDM205-10 #1	129	chromite	888068	1	Cr-spinel	0.00	n.a.	0.82	33.92	31.87	0.11	15.32	0.16	0.02	n.a.	17.34	0.00	n.a.	n.a.	n.a.	99.56
n.a.	n.a.	n.a.	n.a.	91914	1	Cr-spinel	0.01	n.a.	0.93	35.21	29.15	0.11	16.69	0.15	0.17	n.a.	17.78	0.00	n.a.	n.a.	n.a.	100.20
n.a.	n.a.	n.a.	n.a.	91914	2	Cr-spinel	0.00	n.a.	1.93	24.18	35.24	0.13	19.91	0.16	0.09	n.a.	16.96	0.00	n.a.	n.a.	n.a.	98.59
n.a.	n.a.	n.a.	n.a.	877752	1	Cr-spinel	0.04	n.a.	0.58	45.80	17.61	0.09	17.68	0.16	0.09	n.a.	17.80	0.00	n.a.	n.a.	n.a.	99.85
n.a.	n.a.	n.a.	n.a.	877756	2	Cr-spinel	0.06	n.a.	2.18	23.12	34.23	0.23	25.98	0.24	0.20	n.a.	13.38	0.00	n.a.	n.a.	n.a.	99.60
n.a.	n.a.	n.a.	n.a.	877790	2	Cr-spinel	0.07	n.a.	0.96	30.57	35.48	0.13	16.93	0.18	0.23	n.a.	16.77	0.00	n.a.	n.a.	n.a.	101.33
n.a.	n.a.	n.a.	n.a.	886940	5	Cr-spinel	0.00	n.a.	0.65	32.53	34.50	0.13	15.67	0.15	0.11	n.a.	17.53	0.01	n.a.	n.a.	n.a.	101.27
n.a.	n.a.	n.a.	n.a.	886940	7	Cr-spinel	0.02	n.a.	0.09	29.54	38.88	0.15	14.80	0.18	0.10	n.a.	17.21	0.01	n.a.	n.a.	n.a.	100.98
n.a.	n.a.	n.a.	n.a.	878192	3	FeMg-rutile	0.00	n.a.	70.48	0.60	0.05	0.70	21.26	0.24	0.00	n.a.	0.11	0.16	n.a.	n.a.	n.a.	93.59
95	HDM2005-8 #8	85	chromite	91657	1	hercynite	0.00	n.a.	0.03	68.25	1.32	0.16	8.11	0.16	0.22	n.a.	23.71	0.01	n.a.	n.a.	n.a.	101.97
116	HDM205-10 #1	117	oxide	887994	4	hercynite	0.01	n.a.	0.03	63.19	0.22	0.04	21.13	0.11	0.10	n.a.	15.69	0.00	n.a.	n.a.	n.a.	100.53
66	HDM2005-8 #6	65	chromite	91571	1	Ilmenite	0.43	n.a.	49.24	0.00	0.02	0.00	42.59	3.97	0.15	n.a.	2.54	0.01	n.a.	n.a.	n.a.	98.95
92	HDM2005-8 #8	81	chromite	91641	2	Ilmenite	0.04	n.a.	49.24	0.00	0.09	0.11	44.85	0.38	0.00	n.a.	2.63	0.00	n.a.	n.a.	n.a.	97.35
7	HDM2005-8 #1	133	chromite	91818	1	Ilmenite	0.06	n.a.	48.75	0.00	0.01	0.07	47.82	0.49	0.00	n.a.	0.82	0.00	n.a.	n.a.	n.a.	98.30
9	HDM2005-8 #1	135	chromite	91837	1	Ilmenite	0.39	n.a.	46.93	0.00	0.01	0.00	42.85	3.88	0.00	n.a.	2.44	0.02	n.a.	n.a.	n.a.	96.73
19	HDM2005-8 #1	145	ilmenite	91939	1	Ilmenite	0.16	n.a.	48.16	0.00	0.01	0.00	48.83	0.43	0.00	n.a.	0.26	0.00	n.a.	n.a.	n.a.	98.10
50	HDM2005-8 #1	180	chromite	886935	2	Ilmenite	0.06	n.a.	48.62	0.00	0.04	0.00	47.12	0.51	0.11	n.a.	1.52	0.01	n.a.	n.a.	n.a.	98.00
86	HDM2005-9 #0	6	oxide	91628	1	Ilmenite	0.03	n.a.	48.89	0.00	0.08	0.11	46.54	0.51	0.03	n.a.	2.35	0.00	n.a.	n.a.	n.a.	98.53
121	HDM2005-9 # 4	46	ilmenite	91819	3	Ilmenite	0.09	n.a.	49.34	0.00	0.05	0.03	44.42	0.51	0.08	n.a.	3.64	0.01	n.a.	n.a.	n.a.	98.15
122	HDM2005-9 # 4	47	ilmenite	91819	4	Ilmenite	0.00	n.a.	48.58	0.00	0.18	0.05	44.78	0.48	0.09	n.a.	3.10	0.01	n.a.	n.a.	n.a.	97.27
92	HDM2005-9 #1	192	chromite	886948	2	Ilmenite	0.08	n.a.	48.86	0.00	0.15	0.15	46.33	0.36	0.02	n.a.	2.72	0.00	n.a.	n.a.	n.a.	98.90

134	HDM205-10 #1	135	ilmenite	888069	2	ilmenite	0.03	n.a.	49.75	0.00	0.22	0.07	44.81	0.28	0.04	n.a.	2.76	0.00	n.a.	n.a.	n.a.	98.31
n.a.	n.a.	n.a.	n.a.	91820	3	Ilmenite	0.06	n.a.	51.82	0.00	0.15	0.40	43.18	0.33	0.00	n.a.	2.23	0.01	n.a.	n.a.	n.a.	98.17
n.a.	n.a.	n.a.	n.a.	91851	1	Ilmenite	0.00	n.a.	62.23	1.27	0.13	0.63	24.10	0.34	0.00	n.a.	0.60	0.14	n.a.	n.a.	n.a.	89.44
n.a.	n.a.	n.a.	n.a.	91915	2	Ilmenite	0.09	n.a.	57.04	0.00	0.05	0.55	33.73	0.48	0.01	n.a.	0.47	0.03	n.a.	n.a.	n.a.	92.45
n.a.	n.a.	n.a.	n.a.	877777	3	Ilmenite	0.00	n.a.	52.37	0.01	0.06	0.48	38.37	0.39	0.11	n.a.	1.86	0.03	n.a.	n.a.	n.a.	93.68
n.a.	n.a.	n.a.	n.a.	877794	2	Ilmenite	0.22	n.a.	50.44	0.00	0.01	0.22	41.62	3.06	0.17	n.a.	3.69	0.00	n.a.	n.a.	n.a.	99.44
n.a.	n.a.	n.a.	n.a.	886940	4	Ilmenite	0.35	n.a.	47.15	0.00	0.00	0.24	43.92	3.17	0.21	n.a.	3.89	0.02	n.a.	n.a.	n.a.	98.95
56	HDM2005-8 #5	52	rutile	91507	1	Ilmenite (altered)	0.11	n.a.	59.08	0.00	0.04	0.03	30.57	0.55	0.00	n.a.	0.19	0.04	n.a.	n.a.	n.a.	90.59
n.a.	n.a.	n.a.	n.a.	91847	4	magnetite	0.00	n.a.	0.06	0.11	0.12	0.15	91.56	0.08	0.00	n.a.	0.02	0.00	n.a.	n.a.	n.a.	92.10
n.a.	n.a.	n.a.	n.a.	877777	1	magnetite	0.00	n.a.	0.03	0.18	0.10	0.27	94.27	0.04	0.04	n.a.	0.00	0.00	n.a.	n.a.	n.a.	94.94
10	HDM2005-8 #2	2	chromite	90605	1	Mg-ilmenite	0.13	n.a.	53.13	0.37	0.50	0.06	29.24	0.25	0.16	n.a.	13.47	0.03	n.a.	n.a.	n.a.	97.31
16	HDM2005-8 #8	8	chromite	90774	1	Mg-ilmenite	0.00	n.a.	48.85	0.26	0.86	0.00	35.66	0.37	0.00	n.a.	10.55	0.02	n.a.	n.a.	n.a.	96.54
29	HDM2005-8 #2	23	chromite	90886	1	Mg-ilmenite	0.02	n.a.	51.84	0.10	0.70	0.04	34.96	0.30	0.08	n.a.	9.72	0.01	n.a.	n.a.	n.a.	97.76
37	HDM2005-8 #3	34	chromite	90926	1	Mg-ilmenite	0.32	n.a.	52.99	0.41	3.57	0.15	26.51	0.28	0.00	n.a.	14.40	0.03	n.a.	n.a.	n.a.	98.63
38	HDM2005-8 #3	35	chromite	90926	2	Mg-ilmenite	1.98	n.a.	55.64	0.00	0.00	0.00	21.69	2.23	0.02	n.a.	17.46	0.00	n.a.	n.a.	n.a.	99.04
41	HDM2005-8 #3	38	chromite	90937	3	Mg-ilmenite	0.51	n.a.	46.52	0.00	3.48	0.28	37.77	0.26	0.00	n.a.	8.56	0.03	n.a.	n.a.	n.a.	97.37
45	HDM2005-8 #4	42	oxide	90942	1	Mg-ilmenite	0.24	n.a.	46.62	0.07	0.02	0.00	42.39	2.49	0.19	n.a.	5.27	0.03	n.a.	n.a.	n.a.	97.29
57	HDM2005-8 #5	53	oxide	91516	1	Mg-ilmenite	0.26	n.a.	45.47	0.10	0.02	0.00	44.58	2.08	0.14	n.a.	4.86	0.01	n.a.	n.a.	n.a.	97.52
61	HDM2005-8 #6	60	ilmenite	91545	2	Mg-ilmenite	0.11	n.a.	53.99	0.54	0.18	0.11	30.82	0.26	0.08	n.a.	12.67	0.05	n.a.	n.a.	n.a.	98.76
63	HDM2005-8 #6	62	ilmenite	91556	2	Mg-ilmenite	0.24	n.a.	51.32	0.03	0.59	0.20	35.82	0.26	0.01	n.a.	10.01	0.02	n.a.	n.a.	n.a.	98.48
78	HDM2005-8 #7	76	chromite	91635	3	Mg-ilmenite	0.00	n.a.	51.53	0.23	0.43	0.00	35.85	0.38	0.12	n.a.	10.15	0.03	n.a.	n.a.	n.a.	98.69
85	HDM2005-8 #8	88	chromite	91657	4	Mg-ilmenite	0.25	n.a.	47.60	0.01	0.00	0.00	42.92	2.89	0.12	n.a.	4.34	0.04	n.a.	n.a.	n.a.	98.12
82	HDM2005-8 #9	91	rutile	91667	3	Mg-ilmenite	0.04	n.a.	52.33	0.32	0.81	0.05	35.33	0.34	0.00	n.a.	9.78	0.04	n.a.	n.a.	n.a.	99.00
80	HDM2005-8 #9	93	ilmenite	91670	1	Mg-ilmenite	0.31	n.a.	50.33	0.00	1.09	0.04	38.08	0.38	0.12	n.a.	8.19	0.03	n.a.	n.a.	n.a.	98.54
99	HDM2005-8 #9	97	chromite	91713	1	Mg-ilmenite	0.00	n.a.	49.43	0.24	0.03	0.00	37.26	0.71	0.13	n.a.	10.14	0.04	n.a.	n.a.	n.a.	97.95
104	HDM2005-8 #1	103	ilmenite	91732	1	Mg-ilmenite	0.12	n.a.	49.20	0.19	0.04	0.05	40.15	0.34	0.13	n.a.	7.41	0.03	n.a.	n.a.	n.a.	97.64
107	HDM2005-8 #1	108	chromite	91739	4	Mg-ilmenite	0.00	n.a.	49.89	0.15	0.07	0.00	39.26	0.38	0.15	n.a.	8.22	0.04	n.a.	n.a.	n.a.	98.11
110	HDM2005-8 #1	119	ilmenite	91764	2	Mg-ilmenite	0.12	n.a.	51.16	0.21	0.29	0.18	35.91	0.28	0.14	n.a.	10.34	0.03	n.a.	n.a.	n.a.	98.63
112	HDM2005-8 #1	121	chromite	91781	1	Mg-ilmenite	0.19	n.a.	50.84	0.23	2.99	0.22	32.01	0.19	0.02	n.a.	12.04	0.02	n.a.	n.a.	n.a.	98.74
113	HDM2005-8 #1	122	chromite	91781	2	Mg-ilmenite	0.23	n.a.	46.47	0.02	1.62	0.34	41.32	0.27	0.00	n.a.	7.63	0.02	n.a.	n.a.	n.a.	97.90
114	HDM2005-8 #1	123	ilmenite	91783	2	Mg-ilmenite	0.35	n.a.	46.41	0.00	5.07	0.25	36.54	0.28	0.03	n.a.	9.09	0.01	n.a.	n.a.	n.a.	98.01
115	HDM2005-8 #1	124	ilmenite	91783	3	Mg-ilmenite	0.04	n.a.	53.24	0.44	0.18	0.19	32.44	0.27	0.08	n.a.	11.92	0.03	n.a.	n.a.	n.a.	98.80
116	HDM2005-8 #1	125	ilmenite	91783	4	Mg-ilmenite	0.10	n.a.	52.86	0.20	0.14	0.13	33.49	0.29	0.21	n.a.	11.57	0.04	n.a.	n.a.	n.a.	98.99
18	HDM2005-8 #1	144	ilmenite	91927	2	Mg-ilmenite	0.01	n.a.	53.44	0.61	2.15	0.16	26.46	0.26	0.00	n.a.	14.27	0.01	n.a.	n.a.	n.a.	97.67
20	HDM2005-8 #1	147	chromite	91948	2	Mg-ilmenite	0.54	n.a.	44.62	0.00	3.50	0.42	39.99	0.35	0.15	n.a.	8.06	0.02	n.a.	n.a.	n.a.	97.92
39	HDM2005-8 #1	167	chromite	878180	2	Mg-ilmenite	0.12	n.a.	50.10	0.30	2.71	0.15	33.25	0.28	0.00	n.a.	10.41	0.01	n.a.	n.a.	n.a.	97.60
42	HDM2005-8 #1	170	oxide	886921	1	Mg-ilmenite	0.19	n.a.	52.15	0.27	0.38	0.20	33.29	0.27	0.09	n.a.	11.02	0.01	n.a.	n.a.	n.a.	98.16
51	HDM2005-8 #1	182	ilmenite	886942	1	Mg-ilmenite	0.00	n.a.	50.37	0.03	0.16	0.00	37.97	0.44	0.11	n.a.	8.95	0.03	n.a.	n.a.	n.a.	98.06
52	HDM2005-8 #1	183	chromite	886942	2	Mg-ilmenite	0.12	n.a.	49.87	0.14	0.20	0.04	37.06	0.34	0.00	n.a.	9.14	0.02	n.a.	n.a.	n.a.	96.94
53	HDM2005-8 #1	184	chromite	886942	3	Mg-ilmenite	0.04	n.a.	50.15	0.27	0.11	0.11	36.98	0.47	0.07	n.a.	8.75	0.04	n.a.	n.a.	n.a.	96.99
59	HDM2005-8 #1	190	chromite	887467	2	Mg-ilmenite	0.12	n.a.	50.20	0.42	2.61	0.35	31.54	0.24	0.00	n.a.	12.48	0.02	n.a.	n.a.	n.a.	97.98
68	HDM2005-8 #1	199	chromite	887472	7	Mg-ilmenite	0.23	n.a.	47.53	0.41	0.83	0.34	37.76	0.31	0.10	n.a.	10.03	0.01	n.a.	n.a.	n.a.	97.56
82	HDM2005-9 #0	2	ilmenite	91614	1	Mg-ilmenite	0.34	n.a.	43.10	0.00	2.10	0.46	44.08	0.24	0.00	n.a.	6.88	0.00	n.a.	n.a.	n.a.	97.20
83	HDM2005-9 #0	3	ilmenite	91614	2	Mg-ilmenite	0.21	n.a.	47.34	0.41	0.69	0.39	38.50	0.33	0.00	n.a.	9.71	0.02	n.a.	n.a.	n.a.	97.61
84	HDM2005-9 #0	4	ilmenite	91616	1	Mg-ilmenite	0.03	n.a.	51.49	0.63	0.16	0.18	33.49	0.23	0.26	n.a.	11.66	0.02	n.a.	n.a.	n.a.	98.16
85	HDM2005-9 #0	5	ilmenite	91616	2	Mg-ilmenite	0.00	n.a.	50.73	0.25	0.30	0.09	36.79	0.34	0.00	n.a.	9.38	0.03	n.a.	n.a.	n.a.	97.90
89	HDM2005-9 #0	9	ilmenite	91634	6	Mg-ilmenite	0.00	n.a.	51.75	0.78	4.06	0.12	27.68	0.24	0.11	n.a.	13.62	0.03	n.a.	n.a.	n.a.	98.38
91	HDM2005-9 #1	11	oxide	91638	1	Mg-ilmenite	0.05	n.a.	46.14	0.36	0.07	0.16	44.01	0.40	0.12	n.a.	6.89	0.02	n.a.	n.a.	n.a.	98.22
92	HDM2005-9 #1	12	ilmenite	91639	1	Mg-ilmenite	0.12	n.a.	49.99	0.02	0.35	0.16	38.30	0.32	0.00	n.a.	8.51	0.02	n.a.	n.a.	n.a.	97.77
93	HDM2005-9 #1	13	ilmenite	91639	2	Mg-ilmenite	0.07	n.a.	48.76	0.44	0.39	0.20	36.97	0.24	0.07	n.a.	10.55	0.01	n.a.	n.a.	n.a.	97.71
101	HDM2005-9 #2	24	chromite	91652	2	Mg-ilmenite	0.03	n.a.	50.33	0.28	1.92	0.09	33.69	0.27	0.10	n.a.	10.85	0.02	n.a.	n.a.	n.a.	97.58
103	HDM2005-9 #2	27	ilmenite	91655	1	Mg-ilmenite	0.00	n.a.	50.54	0.70	0.02	0.28	39.08	0.41	0.01	n.a.	6.90	0.05	n.a.	n.a.	n.a.	97.98
104	HDM2005-9 #2	28	ilmenite	91655	2	Mg-ilmenite	0.06	n.a.	49.76	0.30	0.63	0.04	37.96	0.36	0.07	n.a.	9.50	0.04	n.a.	n.a.	n.a.	98.72
109	HDM2005-9 #3	33	chromite	91656	1	Mg-ilmenite	0.00	n.a.	46.50	0.53	0.00	0.11	41.46	0.35	0.11	n.a.	7.87	0.05	n.a.	n.a.	n.a.	96.97
111	HDM2005-9 # 3	34	oxide	91656	2	Mg-ilmenite	0.28	n.a.	46.76	0.48	0.76	0.37	39.58	0.28	0.00	n.a.	9.57	0.01	n.a.	n.a.	n.a.	98.10

112	HDM2005-9 # 3	35	oxide	91656	3	Mg-ilmenite	0.31	n.a.	44.24	0.31	8.74	0.36	32.06	0.29	0.00	n.a.	11.23	0.01	n.a.	n.a.	n.a.	97.55
114	HDM2005-9 # 3	37	chromite	91743	1	Mg-ilmenite	0.12	n.a.	49.94	0.55	0.27	0.16	34.09	0.23	0.00	n.a.	12.00	0.02	n.a.	n.a.	n.a.	97.38
117	HDM2005-9 # 4	41	ilmenite	91797	1	Mg-ilmenite	0.00	n.a.	50.50	0.54	1.70	0.10	33.81	0.25	0.07	n.a.	10.97	0.03	n.a.	n.a.	n.a.	97.96
124	HDM2005-9 # 5	50	ilmenite	91821	1	Mg-ilmenite	0.03	n.a.	51.22	0.16	0.52	0.14	36.55	0.35	0.07	n.a.	9.66	0.02	n.a.	n.a.	n.a.	98.72
126	HDM2005-9 # 5	52	ilmenite	91823	1	Mg-ilmenite	0.18	n.a.	51.86	0.33	2.32	0.26	28.25	0.33	0.03	n.a.	13.98	0.02	n.a.	n.a.	n.a.	97.55
127	HDM2005-9 # 5	53	ilmenite	91823	2	Mg-ilmenite	0.08	n.a.	51.48	0.00	0.21	0.01	36.79	0.46	0.12	n.a.	9.16	0.03	n.a.	n.a.	n.a.	98.35
135	HDM2005-9 # 6	62	chromite	91827	1	Mg-ilmenite	0.25	n.a.	47.61	0.00	0.16	0.21	42.62	0.31	0.17	n.a.	6.29	0.01	n.a.	n.a.	n.a.	97.63
136	HDM2005-9 # 6	63	oxide	91830	1	Mg-ilmenite	0.06	n.a.	50.36	0.44	2.67	0.33	31.36	0.26	0.00	n.a.	12.25	0.01	n.a.	n.a.	n.a.	97.74
137	HDM2005-9 # 6	64	oxide	91831	1	Mg-ilmenite	0.10	n.a.	47.29	0.04	0.49	0.08	41.00	0.42	0.03	n.a.	7.76	0.03	n.a.	n.a.	n.a.	97.26
140	HDM2005-9 # 6	67	chromite	91854	2	Mg-ilmenite	0.73	n.a.	53.73	0.00	0.00	0.00	29.52	2.15	0.00	n.a.	12.29	0.01	n.a.	n.a.	n.a.	98.43
141	HDM2005-9 # 6	68	ilmenite	877753	1	Mg-ilmenite	0.02	n.a.	43.95	0.39	0.01	0.06	46.32	0.91	0.01	n.a.	5.51	0.03	n.a.	n.a.	n.a.	97.20
142	HDM2005-9 # 6	69	ilmenite	877753	2	Mg-ilmenite	0.08	n.a.	47.82	0.34	1.18	0.03	37.70	0.35	0.00	n.a.	9.49	0.03	n.a.	n.a.	n.a.	97.02
143	HDM2005-9 # 7	70	ilmenite	877753	3	Mg-ilmenite	0.02	n.a.	46.72	0.40	0.09	0.04	42.34	0.33	0.08	n.a.	7.27	0.03	n.a.	n.a.	n.a.	97.32
146	HDM2005-9 # 7	73	ilmenite	877774	1	Mg-ilmenite	0.03	n.a.	50.98	0.14	1.66	0.04	34.94	0.30	0.02	n.a.	9.98	0.02	n.a.	n.a.	n.a.	98.11
149	HDM2005-9 # 7	77	ilmenite	877792	4	Mg-ilmenite	0.00	n.a.	51.00	0.00	0.04	0.05	37.09	0.38	0.00	n.a.	8.90	0.02	n.a.	n.a.	n.a.	97.48
150	HDM2005-9 # 7	78	ilmenite	877792	5	Mg-ilmenite	0.12	n.a.	50.13	0.16	1.12	0.00	34.93	0.35	0.00	n.a.	10.64	0.04	n.a.	n.a.	n.a.	97.49
151	HDM2005-9 # 7	79	ilmenite	877792	6	Mg-ilmenite	0.16	n.a.	48.46	0.35	0.16	0.19	39.19	0.28	0.03	n.a.	8.55	0.02	n.a.	n.a.	n.a.	97.39
157	HDM2005-9 # 8	85	chromite	877792	12	Mg-ilmenite	0.34	n.a.	55.59	0.00	0.00	0.00	27.13	0.81	0.33	n.a.	15.15	0.01	n.a.	n.a.	n.a.	99.37
158	HDM2005-9 # 8	86	ilmenite	877795	1	Mg-ilmenite	0.23	n.a.	46.26	0.00	1.76	0.25	39.95	0.24	0.08	n.a.	8.57	0.01	n.a.	n.a.	n.a.	97.34
159	HDM2005-9 # 8	87	ilmenite	877795	2	Mg-ilmenite	0.24	n.a.	45.19	0.09	0.01	0.01	44.60	1.90	0.02	n.a.	5.09	0.03	n.a.	n.a.	n.a.	97.18
163	HDM2005-9 # 9	92	ilmenite	877797	4	Mg-ilmenite	0.18	n.a.	48.65	0.36	0.94	0.21	35.07	0.28	0.00	n.a.	11.05	0.03	n.a.	n.a.	n.a.	96.76
164	HDM2005-9 # 9	93	ilmenite	877800	1	Mg-ilmenite	0.27	n.a.	45.78	0.18	0.62	0.23	43.24	0.33	0.03	n.a.	7.26	0.01	n.a.	n.a.	n.a.	97.95
9	HDM2005-9 #1	103	ilmenite	878181	1	Mg-ilmenite	0.29	n.a.	48.17	0.02	0.37	0.18	41.04	0.34	0.18	n.a.	7.45	0.00	n.a.	n.a.	n.a.	98.27
11	HDM2005-9 #1	105	ilmenite	878182	1	Mg-ilmenite	0.02	n.a.	50.80	0.02	0.21	0.05	36.55	0.41	0.10	n.a.	9.71	0.03	n.a.	n.a.	n.a.	98.14
14	HDM2005-9 #1	108	ilmenite	878183	3	Mg-ilmenite	0.10	n.a.	51.28	0.11	0.51	0.08	35.74	0.32	0.00	n.a.	9.88	0.02	n.a.	n.a.	n.a.	98.30
15	HDM2005-9 #1	109	ilmenite	878184	1	Mg-ilmenite	0.32	n.a.	45.19	0.43	2.04	0.48	40.70	0.27	0.05	n.a.	8.85	0.01	n.a.	n.a.	n.a.	98.57
17	HDM2005-9 #1	111	oxide	878184	3	Mg-ilmenite	0.10	n.a.	50.23	0.05	0.10	0.13	37.91	0.38	0.11	n.a.	9.15	0.03	n.a.	n.a.	n.a.	98.44
19	HDM2005-9 #1	113	chromite	878184	5	Mg-ilmenite	0.26	n.a.	46.74	0.15	0.19	0.22	42.21	0.45	0.00	n.a.	7.18	0.02	n.a.	n.a.	n.a.	97.65
23	HDM2005-9 #1	120	chromite	878184	12	Mg-ilmenite	0.09	n.a.	49.74	0.04	0.10	0.06	38.89	0.43	0.11	n.a.	8.55	0.03	n.a.	n.a.	n.a.	98.30
29	HDM2005-9 #1	127	ilmenite	878190	4	Mg-ilmenite	0.04	n.a.	51.69	0.61	1.65	0.19	30.28	0.26	0.02	n.a.	13.30	0.03	n.a.	n.a.	n.a.	98.33
30	HDM2005-9 #1	128	chromite	878190	5	Mg-ilmenite	0.04	n.a.	48.02	0.19	0.04	0.05	42.80	0.50	0.04	n.a.	6.12	0.03	n.a.	n.a.	n.a.	98.07
37	HDM2005-9 #1	135	chromite	878195	2	Mg-ilmenite	0.21	n.a.	51.51	0.38	1.80	0.32	29.80	0.29	0.14	n.a.	13.70	0.02	n.a.	n.a.	n.a.	98.44
46	HDM2005-9 #1	144	oxide	878198	1	Mg-ilmenite	0.20	n.a.	48.58	0.15	0.74	0.32	39.24	0.30	0.05	n.a.	8.48	0.01	n.a.	n.a.	n.a.	98.32
68	HDM2005-9 #1	166	oxide	886902	2	Mg-ilmenite	0.42	n.a.	45.67	0.00	0.00	0.00	43.44	3.06	0.16	n.a.	3.83	0.01	n.a.	n.a.	n.a.	96.82
85	HDM2005-9 #1	185	chromite	886924	2	Mg-ilmenite	0.10	n.a.	45.73	0.12	0.01	0.01	44.09	2.17	0.00	n.a.	5.47	0.02	n.a.	n.a.	n.a.	97.94
86	HDM2005-9 #1	186	ilmenite	886939	1	Mg-ilmenite	0.06	n.a.	50.57	0.46	2.46	0.39	31.90	0.24	0.05	n.a.	12.58	0.02	n.a.	n.a.	n.a.	98.97
91	HDM2005-9 #1	191	ilmenite	886948	1	Mg-ilmenite	0.16	n.a.	52.05	0.43	1.97	0.34	29.07	0.30	0.00	n.a.	14.19	0.02	n.a.	n.a.	n.a.	98.81
93	HDM2005-9 #1	193	ilmenite	887459	1	Mg-ilmenite	0.23	n.a.	46.23	0.50	0.78	0.44	40.46	0.28	0.00	n.a.	9.16	0.00	n.a.	n.a.	n.a.	98.31
98	HDM2005-9 #1	199	chromite	887464	2	Mg-ilmenite	0.32	n.a.	46.12	0.02	0.01	0.04	43.69	2.72	0.19	n.a.	4.36	0.01	n.a.	n.a.	n.a.	97.71
100	HDM2005-9 #2	201	oxide	887474	1	Mg-ilmenite	0.19	n.a.	50.35	0.51	1.21	0.34	33.39	0.26	0.00	n.a.	12.22	0.02	n.a.	n.a.	n.a.	98.73
101	HDM2005-9 #2	202	ilmenite	887476	1	Mg-ilmenite	0.15	n.a.	49.42	0.00	0.96	0.24	37.40	0.32	0.26	n.a.	9.31	0.01	n.a.	n.a.	n.a.	98.31
102	HDM2005-9 #2	203	ilmenite	887476	2	Mg-ilmenite	0.00	n.a.	47.75	0.21	0.26	0.04	40.43	0.41	0.00	n.a.	8.80	0.05	n.a.	n.a.	n.a.	98.19
108	HDM2005-9 #2	210	ilmenite	887483	2	Mg-ilmenite	0.00	n.a.	47.36	0.22	0.17	0.15	41.09	0.45	0.00	n.a.	7.83	0.04	n.a.	n.a.	n.a.	97.55
109	HDM2005-9 #2	212	ilmenite	887483	4	Mg-ilmenite	0.00	n.a.	51.02	0.09	0.29	0.01	36.29	0.42	0.00	n.a.	9.89	0.04	n.a.	n.a.	n.a.	98.31
110	HDM2005-9 #2	213	ilmenite	887483	5	Mg-ilmenite	0.16	n.a.	48.79	0.00	1.13	0.16	41.28	0.45	0.00	n.a.	5.91	0.00	n.a.	n.a.	n.a.	98.12
111	HDM2005-9 #2	214	ilmenite	887483	6	Mg-ilmenite	0.09	n.a.	48.71	0.24	0.42	0.22	39.19	0.33	0.00	n.a.	8.08	0.02	n.a.	n.a.	n.a.	97.54
112	HDM2005-9 #2	217	ilmenite	887483	9	Mg-ilmenite	0.07	n.a.	51.28	0.37	0.53	0.27	33.31	0.30	0.00	n.a.	11.69	0.02	n.a.	n.a.	n.a.	98.11
113	HDM2005-9 #2	218	ilmenite	887483	10	Mg-ilmenite	0.19	n.a.	44.04	0.14	0.00	0.04	46.10	1.59	0.00	n.a.	4.64	0.01	n.a.	n.a.	n.a.	96.97
114	HDM2005-9 #2	219	ilmenite	887483	11	Mg-ilmenite	0.08	n.a.	47.37	0.24	0.20	0.08	41.46	0.40	0.01	n.a.	8.10	0.05	n.a.	n.a.	n.a.	98.23
117	HDM2005-9 #2	222	ilmenite	887486	1	Mg-ilmenite	0.19	n.a.	46.70	0.21	0.28	0.32	39.73	0.22	0.14	n.a.	9.59	0.02	n.a.	n.a.	n.a.	97.63
118	HDM2005-9 #2	223	ilmenite	887486	2	Mg-ilmenite	0.01	n.a.	47.02	0.73	0.09	0.18	42.07	0.35	0.10	n.a.	7.18	0.03	n.a.	n.a.	n.a.	97.99
119	HDM2005-9 #2	224	ilmenite	887486	3	Mg-ilmenite	0.06	n.a.	50.83	0.00	0.00	0.04	38.69	1.04	0.01	n.a.	7.37	0.01	n.a.	n.a.	n.a.	98.31
120	HDM2005-9 #2	225	ilmenite	887486	4	Mg-ilmenite	0.28	n.a.	46.26	0.00	0.00	0.00	43.79	3.12	0.18	n.a.	3.88	0.00	n.a.	n.a.	n.a.	97.72
122	HDM2005-9 #2	228	ilmenite	887487	1	Mg-ilmenite	0.07	n.a.	44.87	0.21	0.02	0.13	44.95	0.42	0.12	n.a.	6.38	0.02	n.a.	n.a.	n.a.	97.42
127	HDM2005-9 #2	233	ilmenite	887495	1	Mg-ilmenite	0.12	n.a.	48.76	0.03	0.14	0.11	40.48	0.38	0.00	n.a.	7.34	0.01	n.a.	n.a.	n.a.	97.62
128	HDM2005-9 #2	234	ilmenite	887495	2	Mg-ilmenite	0.11	n.a.	49.40	0.42	1.36	0.36	34.36	0.24	0.01	n.a.	11.42	0.02	n.a.	n.a.	n.a.	97.95
129	HDM2005-9 #2	235	ilmenite	887495	3	Mg-ilmenite	0.13	n.a.	41.55	0.34	0.12	0.26	49.75	0.32	0.00	n.a.	4.53	0.01	n.a.	n.a.	n.a.	97.20
136	HDM2005-9 #2	245	chromite	887863	4	Mg-ilmenite	0.32	n.a.	58.72	0.00	0.00	0.00	17.08	0.59	0.06	n.a.	21.24	0.00	n.a.	n.a.	n.a.	98.29

139	HDM2005-9 #2	248	ilmenite	887867	1	Mg-ilmenite	0.07	n.a.	50.43	0.23	0.23	0.14	37.68	0.37	0.14	n.a.	9.09	0.04	n.a.	n.a.	n.a.	98.68
141	HDM2005-9 #2	252	oxide	887868	3	Mg-ilmenite	0.38	n.a.	46.77	0.00	0.01	0.04	43.55	3.49	0.13	n.a.	3.31	0.01	n.a.	n.a.	n.a.	97.92
142	HDM2005-9 #2	253	ilmenite	887870	1	Mg-ilmenite	0.34	n.a.	42.67	0.41	1.08	0.47	44.56	0.26	0.08	n.a.	7.40	0.02	n.a.	n.a.	n.a.	97.52
147	HDM2005-9 # 2	258	oxide	887870	6	Mg-ilmenite	0.05	n.a.	49.98	0.21	0.07	0.06	38.31	0.39	0.01	n.a.	9.03	0.04	n.a.	n.a.	n.a.	98.40
149	HDM2005-9 # 2	260	oxide	887870	8	Mg-ilmenite	0.34	n.a.	45.41	0.05	0.02	0.00	44.16	2.59	0.09	n.a.	4.53	0.02	n.a.	n.a.	n.a.	97.40
11	HDM205-10 #3	3	chromite	887491	3	Mg-ilmenite	0.07	n.a.	48.86	0.18	1.53	0.00	37.34	0.36	0.00	n.a.	9.59	0.02	n.a.	n.a.	n.a.	98.26
12	HDM205-10 #4	4	ilmenite	887492	1	Mg-ilmenite	0.22	n.a.	47.13	0.58	0.74	0.33	37.48	0.26	0.00	n.a.	10.78	0.00	n.a.	n.a.	n.a.	97.84
16	HDM205-10 #8	8	ilmenite	887496	3	Mg-ilmenite	0.00	n.a.	47.97	0.30	1.26	0.00	38.54	0.39	0.07	n.a.	9.55	0.02	n.a.	n.a.	n.a.	98.36
22	HDM205-10 #1	14	ilmenite	887864	1	Mg-ilmenite	0.34	n.a.	47.54	0.00	1.39	0.33	39.32	0.29	0.07	n.a.	8.71	0.02	n.a.	n.a.	n.a.	98.34
32	HDM205-10 #2	24	chromite	887981	2	Mg-ilmenite	0.23	n.a.	46.99	0.02	0.54	0.33	42.47	0.31	0.12	n.a.	6.88	0.02	n.a.	n.a.	n.a.	98.23
41	HDM205-10 #3	33	chromite	887998	2	Mg-ilmenite	0.22	n.a.	50.32	0.15	0.59	0.00	36.49	0.39	0.15	n.a.	9.91	0.03	n.a.	n.a.	n.a.	98.52
51	HDM205-10 #4	43	chromite	888074	3	Mg-ilmenite	0.07	n.a.	54.07	0.00	0.05	0.00	35.94	1.15	0.00	n.a.	7.45	0.00	n.a.	n.a.	n.a.	99.01
57	HDM205-10 #4	49	rutile	888074	9	Mg-ilmenite	0.15	n.a.	50.69	0.00	0.28	0.04	37.22	0.39	0.00	n.a.	9.37	0.03	n.a.	n.a.	n.a.	98.50
58	HDM205-10 #5	50	oxide	888081	1	Mg-ilmenite	0.05	n.a.	49.42	0.19	0.25	0.00	36.35	0.44	0.02	n.a.	10.69	0.04	n.a.	n.a.	n.a.	97.68
60	HDM205-10 #5	53	chromite	888083	1	Mg-ilmenite	0.01	n.a.	43.51	0.58	0.02	0.02	45.24	0.65	0.05	n.a.	6.75	0.02	n.a.	n.a.	n.a.	97.15
153	HDM205-10 #6	64	chromite	KD5717	2	Mg-ilmenite	0.08	n.a.	53.80	0.61	1.69	0.10	27.19	0.24	0.00	n.a.	14.17	0.03	n.a.	n.a.	n.a.	98.27
78	HDM205-10 #7	73	Ilmenite	90640	3	Mg-ilmenite	0.24	n.a.	48.06	0.46	0.72	0.28	36.18	0.25	0.13	n.a.	11.35	0.02	n.a.	n.a.	n.a.	98.04
85	HDM205-10 #8	82	Ilmenite	91636	3	Mg-ilmenite	0.04	n.a.	50.20	0.23	0.64	0.00	36.32	0.37	0.00	n.a.	10.08	0.06	n.a.	n.a.	n.a.	98.19
87	HDM205-10 #8	83	chromite	91641	3	Mg-ilmenite	0.15	n.a.	46.66	0.04	0.01	0.00	43.19	2.48	0.00	n.a.	4.78	0.00	n.a.	n.a.	n.a.	97.57
91	HDM205-10 #8	89	Ilmenite	91644	3	Mg-ilmenite	0.00	n.a.	49.65	0.14	1.10	0.00	36.88	0.39	0.00	n.a.	10.00	0.04	n.a.	n.a.	n.a.	98.43
94	HDM205-10 #9	94	chromite	887900	1	Mg-ilmenite	0.10	n.a.	50.92	0.38	1.66	0.16	34.31	0.32	0.16	n.a.	10.72	0.02	n.a.	n.a.	n.a.	99.10
98	HDM205-10 #9	98	oxide	887965	1	Mg-ilmenite	0.22	n.a.	51.01	0.00	0.39	0.07	38.64	0.38	0.19	n.a.	8.07	0.01	n.a.	n.a.	n.a.	99.32
99	HDM205-10 #9	99	ilmenite	887967	1	Mg-ilmenite	0.14	n.a.	50.24	0.26	0.32	0.17	37.56	0.36	0.05	n.a.	9.26	0.01	n.a.	n.a.	n.a.	98.72
101	HDM205-10 #1	101	ilmenite	887969	1	Mg-ilmenite	0.06	n.a.	47.35	0.10	0.01	0.02	43.74	0.43	0.01	n.a.	5.62	0.02	n.a.	n.a.	n.a.	97.71
102	HDM205-10 #1	102	ilmenite	887971	1	Mg-ilmenite	0.08	n.a.	49.77	0.27	0.90	0.07	37.35	0.28	0.00	n.a.	9.15	0.01	n.a.	n.a.	n.a.	98.23
105	HDM205-10 #1	105	chromite	887973	1	Mg-ilmenite	0.34	n.a.	47.40	0.00	0.00	0.00	43.08	3.55	0.09	n.a.	3.49	0.02	n.a.	n.a.	n.a.	98.20
109	HDM205-10 #1	110	oxide	887987	1	Mg-ilmenite	0.14	n.a.	44.87	0.00	0.00	0.00	45.13	2.63	0.08	n.a.	3.93	0.00	n.a.	n.a.	n.a.	97.02
110	HDM205-10 #1	111	ilmenite	887988	1	Mg-ilmenite	0.29	n.a.	46.66	0.42	0.91	0.33	39.81	0.25	0.00	n.a.	8.91	0.02	n.a.	n.a.	n.a.	97.93
122	HDM205-10 #1	123	chromite	888057	1	Mg-ilmenite	0.00	n.a.	48.47	0.30	4.40	0.03	34.99	0.23	0.07	n.a.	10.04	0.01	n.a.	n.a.	n.a.	98.88
124	HDM205-10 #1	125	ilmenite	888057	3	Mg-ilmenite	0.00	n.a.	48.00	0.26	0.24	0.00	39.92	0.41	0.00	n.a.	8.45	0.04	n.a.	n.a.	n.a.	97.65
130	HDM205-10 #1	131	chromite	888068	3	Mg-ilmenite	0.25	n.a.	45.65	0.06	0.00	0.00	44.55	2.25	0.13	n.a.	4.88	0.02	n.a.	n.a.	n.a.	98.05
136	HDM205-10 #1	137	chromite	888071	2	Mg-ilmenite	0.03	n.a.	50.98	0.23	2.34	0.03	33.33	0.25	0.19	n.a.	10.63	0.01	n.a.	n.a.	n.a.	98.38
139	HDM205-10 #1	140	chromite	888071	5	Mg-ilmenite	0.03	n.a.	46.11	0.47	0.16	0.05	42.46	0.32	0.00	n.a.	7.74	0.04	n.a.	n.a.	n.a.	97.71
140	HDM205-10 #1	141	oxide	888077	1	Mg-ilmenite	0.02	n.a.	48.86	0.16	0.03	0.00	40.16	0.38	0.06	n.a.	7.90	0.03	n.a.	n.a.	n.a.	97.91
151	HDM205-10 #1	153	oxide	888094	2	Mg-ilmenite	0.27	n.a.	46.23	0.02	0.02	0.00	43.62	2.78	0.12	n.a.	4.45	0.01	n.a.	n.a.	n.a.	97.73
152	HDM205-10 #1	154	oxide	888094	3	Mg-ilmenite	0.42	n.a.	50.43	0.00	0.04	0.00	39.19	1.48	0.00	n.a.	6.42	0.01	n.a.	n.a.	n.a.	98.32
n.a.	n.a.	n.a.	n.a.	91634	1	Mg-ilmenite	0.21	n.a.	48.06	0.39	0.85	0.64	38.08	0.29	0.21	n.a.	9.83	0.00	n.a.	n.a.	n.a.	98.56
n.a.	n.a.	n.a.	n.a.	91759	1	Mg-ilmenite	0.00	n.a.	52.08	0.07	0.48	0.33	36.28	0.44	0.01	n.a.	9.94	0.03	n.a.	n.a.	n.a.	99.66
n.a.	n.a.	n.a.	n.a.	91761	1	Mg-ilmenite	0.38	n.a.	49.97	0.00	3.81	0.49	33.37	0.30	0.11	n.a.	10.97	0.01	n.a.	n.a.	n.a.	99.40
n.a.	n.a.	n.a.	n.a.	91767	1	Mg-ilmenite	0.00	n.a.	53.15	0.46	1.03	0.48	31.23	0.26	0.10	n.a.	12.87	0.04	n.a.	n.a.	n.a.	99.62
n.a.	n.a.	n.a.	n.a.	91791	1	Mg-ilmenite	0.16	n.a.	51.65	0.12	0.12	0.51	36.29	0.30	0.00	n.a.	10.51	0.02	n.a.	n.a.	n.a.	99.68
n.a.	n.a.	n.a.	n.a.	91824	1	Mg-ilmenite	0.13	n.a.	50.76	0.10	0.62	0.33	35.92	0.46	0.17	n.a.	10.61	0.03	n.a.	n.a.	n.a.	99.13
n.a.	n.a.	n.a.	n.a.	91847	2	Mg-ilmenite	0.12	n.a.	53.25	0.29	0.40	0.54	31.97	0.29	0.00	n.a.	12.59	0.01	n.a.	n.a.	n.a.	99.47
n.a.	n.a.	n.a.	n.a.	91847	3	Mg-ilmenite	0.09	n.a.	47.57	0.39	0.08	0.30	41.10	0.40	0.00	n.a.	8.54	0.06	n.a.	n.a.	n.a.	98.52
n.a.	n.a.	n.a.	n.a.	91850	1	Mg-ilmenite	0.07	n.a.	51.68	0.10	1.01	0.39	36.07	0.30	0.09	n.a.	10.01	0.02	n.a.	n.a.	n.a.	99.74
n.a.	n.a.	n.a.	n.a.	91855	2	Mg-ilmenite	0.16	n.a.	47.89	0.03	0.21	0.46	42.60	0.34	0.18	n.a.	6.73	0.00	n.a.	n.a.	n.a.	98.59
n.a.	n.a.	n.a.	n.a.	91914	3	Mg-ilmenite	0.11	n.a.	51.75	0.20	0.26	0.39	36.73	0.41	0.08	n.a.	9.67	0.03	n.a.	n.a.	n.a.	99.62
n.a.	n.a.	n.a.	n.a.	91918	3	Mg-ilmenite	0.02	n.a.	46.67	0.44	0.03	0.29	40.31	0.30	0.10	n.a.	9.14	0.05	n.a.	n.a.	n.a.	97.35
n.a.	n.a.	n.a.	n.a.	877756	3	Mg-ilmenite	0.15	n.a.	50.57	0.25	0.00	0.39	39.10	0.36	0.11	n.a.	8.16	0.01	n.a.	n.a.	n.a.	99.10
n.a.	n.a.	n.a.	n.a.	877792	2	Mg-ilmenite	0.18	n.a.	44.84	0.54	0.29	0.68	43.50	0.26	0.31	n.a.	8.52	0.02	n.a.	n.a.	n.a.	99.15
n.a.	n.a.	n.a.	n.a.	877798	1	Mg-ilmenite	0.02	n.a.	47.54	0.14	0.03	0.35	41.62	0.35	0.08	n.a.	6.92	0.03	n.a.	n.a.	n.a.	97.07
n.a.	n.a.	n.a.	n.a.	878192	2	Mg-ilmenite	0.35	n.a.	44.79	0.43	0.88	0.65	43.28	0.34	0.00	n.a.	7.88	0.00	n.a.	n.a.	n.a.	98.60
n.a.	n.a.	n.a.	n.a.	886940	2	Mg-ilmenite	0.06	n.a.	51.09	0.41	1.59	0.35	34.20	0.26	0.00	n.a.	10.87	0.02	n.a.	n.a.	n.a.	98.85
n.a.	n.a.	n.a.	n.a.	887866	1	Mg-ilmenite	2.00	n.a.	56.28	0.00	0.01	0.26	17.29	1.56	0.07	n.a.	21.32	0.00	n.a.	n.a.	n.a.	98.79
n.a.	n.a.	n.a.	n.a.	887989	5	Mg-ilmenite	0.05	n.a.	48.31	0.24	0.08	0.29	40.97	0.45	0.00	n.a.	8.63	0.04	n.a.	n.a.	n.a.	99.06
28	HDM2005-8 #1	155	chromite	877764	2	MgMn-ilmenite	0.29	n.a.	45.75	0.03	0.01	0.00	43.32	2.49	0.16	n.a.	4.64	0.01	n.a.	n.a.	n.a.	96.95
30	HDM2005-8 #1	157	chromite	877766	1	MgMn-ilmenite	0.29	n.a.	45.27	0.06	0.00	0.00	44.79	2.30	0.02	n.a.	4.67	0.00	n.a.	n.a.	n.a.	97.65
45	HDM2005-8 #1	174	chromite	886930	2	MgMn-ilmenite	0.18	n.a.	53.59	0.00	0.00	0.00	34.74	5.33	0.00	n.a	4.10	0.02	n.a.	n.a.	n.a.	98.24

74	HDM2005-8 #2	205	oxide	887490	2	MgMn-ilmenite	0.23	n.a.	46.52	0.03	0.00	0.03	43.41	2.70	0.18	n.a.	4.45	0.01	n.a.	n.a.	n.a.	97.56
75	HDM2005-8 #2	206	oxide	887490	3	MgMn-ilmenite	0.18	n.a.	44.27	0.05	0.00	0.04	44.35	2.73	0.13	n.a.	4.61	0.01	n.a.	n.a.	n.a.	96.39
107	HDM2005-9 #3	31	chromite	91655	5	MgMn-ilmenite	0.32	n.a.	45.84	0.00	0.01	0.00	44.26	2.64	0.06	n.a.	4.45	0.02	n.a.	n.a.	n.a.	97.59
115	HDM2005-9 # 3	38	oxide	91743	2	MgMn-ilmenite	0.32	n.a.	45.79	0.02	0.01	0.00	44.83	2.72	0.13	n.a.	4.44	0.01	n.a.	n.a.	n.a.	98.27
97	HDM2005-9 #1	19	chromite	91643	2	Mn-ilmenite	0.22	n.a.	45.34	0.10	0.00	0.00	45.44	2.59	0.18	n.a.	3.02	0.03	n.a.	n.a.	n.a.	96.91
n.a.	n.a.	n.a.	n.a.	877755	1	Nb-rutile	3.26	n.a.	92.96	0.00	0.14	1.36	1.09	0.00	0.00	n.a.	0.00	0.00	n.a.	n.a.	n.a.	98.81
n.a.	n.a.	n.a.	n.a.	877794	3	Nb-rutile	4.18	n.a.	88.46	0.00	0.05	0.91	2.88	0.00	0.00	n.a.	0.00	0.11	n.a.	n.a.	n.a.	96.58
70	HDM205-10 #6	66	chromite	KD5720	2	rutile	0.22	n.a.	97.70	0.00	0.21	0.75	0.15	0.02	0.00	n.a.	0.00	0.00	n.a.	n.a.	n.a.	99.73
n.a.	n.a.	n.a.	n.a.	886940	8	rutile	0.76	n.a.	95.44	0.00	0.18	1.35	0.15	0.00	0.00	n.a.	0.00	0.00	n.a.	n.a.	n.a.	97.88
89	HDM2005-9 #1	189	oxide	886943	1	tourmaline	0.03	n.a.	0.28	36.63	0.01	0.04	12.63	0.23	0.16	n.a.	4.56	0.52	n.a.	n.a.	n.a.	55.09

ANNEX 8

SCHEDULE OF CLAIMS

ON WHICH REPRESENTATION WORK FILED

Jackson Inlet Project – 2004 & 2005

Brodeur Peninsula, Baffin Island, Nunavut

List of mineral claims on Form 9 Statement of Representation Work filed November 7, 2005 and amended herewith on August 3 and 9, 2007

Mineral claims to which representation work covered is to be applied in the amounts indicated:

Claim no.	Claim name	Acreage	Cost Distribution		Next due date	Excess credit
			New work $	Existing excess credit		
F45691	SLOT	2,324.25	0.00			
F65593	FREIGHTRAIN	2,324.25	0.00			
F69387	JAMIE	2,582.50	17,696.34			
F69390	KRISTA	619.80	4,043.87			
F69392	EMILY	2,582.50	16,849.47			
F69393	ROBYN	1,239.60	8,087.75			
F69395	JADE	1,291.25	-			
F69400	JADE WEST	1,291.25	1,693.74			
F69401	ROSWITHA	2,582.50	17,696.34			
F69402	FREDERIQUE	2,582.50	15,587.76			
F69404	HERMANN	2,169.30	14,153.55			
F69405	KRISTA SOUTH	2,324.20	15,164.20			
F71439	BP 11	2,582.50	16,849.47			
F71440	BP 12	1,846.60	12,048.11			
F71441	BP 13	1,993.70	13,007.86			
F71442	BP 14	2,012.70	13,131.82			
F71447	BP 23	2,582.50	16,849.47			
F71448	BP 24	2,066.00	13,479.58			
F71452	BP 17	2,066.00	13,479.58			
F71453	BP 25	2,582.50	16,849.47			
F71454	BP 26	2,582.50	16,849.47			
F71455	BP 27	2,582.50	17,696.34			
F71457	BP 28	2,582.50	16,849.47			
F71458	BP 29	2,582.50	16,849.47			
F71461	BP 33	2,066.00	13,479.58			
F71462	BP 34	2,582.50	16,849.47			
F71465	BP 37	2,582.50	16,849.47			
F72150	ICE 18	2,582.50	41,727.83			
F72175	ICE 28	2,582.50	41,727.83			
F72176	ICE 29	2,582.50	41,727.83			
F72177	ICE 30	2,582.50	41,727.83			
F72187	ICE 40	2,582.50	41,727.83			
F72188	ICE 41	2,582.50	41,727.83			
F72189	ICE 42	2,582.50	41,727.83			
F72190	ICE 43	2,582.50	41,727.83			
F72196	ICE 49	2,582.50	41,727.83			
F72406	JI 10-4	2,582.50	60,471.89			
F72414	JI 10-12	2,582.50	60,471.89			
F72416	JI 10-14	2,582.50	95,193.58			
F72430	JI 4-1	2,582.50	24,056.47			
F72435	ICE 1	2,582.50	41,727.83			
F72436	ICE 2	2,582.50	41,727.83			
F72440	ICE 6	2,582.50	41,727.83			
F72444	ICE 10	2,582.50	41,727.83			
F72445	ICE 11	2,582.50	41,727.83			
F72449	ICE 15	2,582.50	41,727.83			
F76619	MID 19	1,218.90	7,357.18			
F76620	MID 20	1,572.20	9,489.67			
F76675	RT 5S	1,371.50	8,948.32			
F76677	RT 7	2,582.50	16,849.47			
F76682	RT 12	2,582.50	17,696.34			
F76687	RT 17	2,582.50	55,585.02			
F76688	RT 18	2,582.50	16,849.47			

RECEIVED
SEP 20 2007
D.I.A.N.D.
IQALUIT NU

Atlanta Gold Inc.
(name changed from
Twin Mining Corporation
on March 22, 2007)

List of mineral claims on Form 9 Statement of Representation Work filed November 7, 2005 and amended herewith on August 3 and 9, 2007

F76689	RT 19	2,582.50	16,849.47			
F76690	RT 20	2,582.50	18,543.21			
F76691	RT 21	2,582.50	17,696.34			
F76692	RT 22	2,582.50	16,849.47			
F76693	RT 23	2,582.50	16,849.47			
F76695	RT 25	2,582.50	16,849.47			
F76696	RT 26	2,582.50	32,437.23			
F76704	RT 34	2,582.50	38,735.55			
F76705	RT 35	2,582.50	55,585.52			
F76706	RT 36	2,582.50	17,696.34			
F76709	RT 39	2,582.50	17,696.34			
F76710	RT 40	2,582.50	16,849.47			
F76712	RT 42	2,582.50	32,437.23			
F76714	RT 44	2,582.50	15,587.76			
F76721	RT 51	2,582.50	16,849.47			
F76722	RT 52	2,582.50	16,849.47			
F76730	RT 60	2,582.50	34,442.77			
F76732	RT 61	2,582.50	17,696.34			
F76733	RT 62	2,582.50	17,696.34			
F76734	RT 63	2,582.50	16,849.47			
F76749	RT 78	2,582.50	50,030.53			
F76750	RT 79	2,582.50	32,437.23			
F76760	RT 89	2,582.50	15,587.76			
F76761	RT 90	2,582.50	15,587.76			
F76767	RT 96	2,582.50	15,587.76			
F76768	RT 97	2,582.50	15,587.76			
F76778	RT 107	2,582.50	19,728.02			
F76779	RT 108	2,582.50	19,728.02			
F76781	RT 110	2,582.50	19,728.02			
F76784	RT 113	2,582.50	19,728.02			
F76785	RT 114	2,582.50	19,728.02			
F76786	RT 115	2,582.50	19,728.02			
F76787	RT 116	2,582.50	19,728.02			
F76788	RT 117	2,582.50	19,728.02			
F76789	RT 118	2,582.50	19,728.02			
F76805	RT 132	2,582.50	32,437.23			
F76811	MID 9	2,405.80	30,910.75			
F83246	AI 6	2,582.50	33,181.06			
F83279	AI 39	2,582.50	33,181.06			
F83311	AI 71	2,582.50	33,181.06			
F83320	AI 80	2,582.50	55,390.67			
F83327	AI 87	2,582.50	33,181.06			
F83329	AI 89	2,582.50	55,390.67			
F83334	AI 94	2,582.50	55,390.67			
F83366	AI 126	2,582.50	15,587.76			
F83376	AI 136	2,582.50	15,587.76			
F83428	AI 188	2,582.50	33,874.82			
F83433	AI 193	2,582.50	33,874.82			
	Total	246,550.80	2,575,565.50			

RECEIVED
SEP 20 2007
D.I.A.N.D.
IQALUIT, NU

F72446	ICE 12	2,582.50	15096.58			
F72447	ICE 13	2,582.50	15096.58			
F72448	ICE 14	2,582.50	15096.58			
F72449	ICE 15	2,582.50	15096.58			
F72450	ICE 16	2,582.50	15096.58			
F72451	ICE 17	2,582.50	15096.58			
F76611	MID 11	1,108.80	1931.76			
F76612	MID 12	1,139.10	1984.55			
F76614	MID 14	1,408.40	2453.73			
F76616	MID 16	2,582.50	4499.25			
F76618	MID 18	1,090.00	1899.01			
F76619	MID 19	1,218.90	2123.58			
F76620	MID 20	1,572.20	2739.10			
F76671	RT 2	1,669.10	6751.10			
F76672	RT 3	232.10	404.37			
F76673	RT 4	74.10	299.72			
F76674	RT 5	1,371.50	5547.38			
F76675	RT 5S	1,371.50	5547.38			
F76676	RT 6	2,582.50	10445.58			
F76677	RT 7	2,582.50	10445.58			
F76681	RT 11	2,582.50	13016.37			
F76682	RT 12	2,582.50	11292.45			
F76683	RT 13	2,582.50	10445.58			
F76684	RT 14	2,582.50	6513.43			
F76685	RT 15	2,582.50	6513.43			
F76686	RT 16	2,582.50	10370.79			
F76687	RT 17	2,582.50	13016.37			
F76688	RT 18	2,582.50	10445.58			
F76689	RT 19	2,582.50	10445.58			
F76690	RT 20	2,582.50	12139.32			
F76691	RT 21	2,582.50	11292.45			
F76692	RT 22	2,582.50	10445.58			
F76693	RT 23	2,582.50	10445.58			
F76694	RT 24	2,582.50	10445.58			
F76695	RT 25	2,582.50	10445.58			
F76696	RT 26	2,582.50	7844.83			
F76697	RT 27	2,582.50	4499.25			
F76698	RT 28	2,582.50	4499.25			
F76699	RT 29	1,712.60	8204.50			
F76700	RT 30	1,731.30	6952.54			
F76701	RT 31	1,749.90	7027.24			
F76702	RT 32	1,769.10	7104.34			
F76703	RT 33	1,787.80	7179.44			
F76704	RT 34	2,582.50	10370.79			
F76705	RT 35	2,582.50	12566.37			
F76706	RT 36	2,582.50	11292.45			
F76707	RT 37	2,582.50	10445.58			
F76708	RT 38	2,582.50	10445.58			
F76709	RT 39	2,582.50	11292.45			
F76710	RT 40	2,582.50	10445.58			
F76711	RT 41	2,582.50	10445.58			
F76712	RT 42	2,582.50	7144.83			
F76713	RT 43	2,582.50	4499.25			
F76714	RT 44	2,582.50	4499.25			
F76715	RT 45	2,582.50	4499.25			
F76716	RT 46	2,582.50	4499.25			
F76717	RT47	2,582.50	7363.60			

F76718	RT48	2,582.50	9559.18			
F76719	RT 49	2,582.50	10445.58			
F76720	RT 50	2,582.50	10445.58			
F76721	RT 51	2,582.50	10445.58			
F76722	RT 52	2,582.50	10445.58			
F76723	RT 53	2,582.50	10445.58			
F76725	RT 55	2,582.50	6694.83			
F76726	RT 56	2,582.50	4499.25			
F76727	RT 57	2,582.50	4499.25			
F76728	RT 58	2,582.50	4499.25			
F76729	RT 59	2,582.50	4499.25			
F76730	RT 60	2,582.50	13309.93			
F76731	RT 1	1,643.20	3309.14			
F76732	RT 61	2,582.50	11292.45			
F76733	RT 62	2,582.50	11292.45			
F76734	RT 63	2,582.50	10445.58			
F76738	RT 67	2,582.50	6594.83			
F76739	RT 68	2,582.50	4499.25			
F76741	RT 70	2,582.50	4499.25			
F76747	RT 76	1,806.90	5152.09			
F76749	RT 78	2,582.50	8809.18			
F76750	RT 79	2,582.50	5944.83			
F76751	RT 80	2,324.40	5451.22			
F76752	RT 81	2,338.50	5532.81			
F76753	RT 82	2,352.60	5715.69			
F76754	RT 83	2,582.50	5645.58			
F76755	RT 84	2,582.50	5645.58			
F76760	RT 89	2,582.50	4499.25			
F76761	RT 90	2,582.50	4499.25			
F76762	RT 91	2,582.50	2014.18			
F76763	RT 92	2,582.50	2014.18			
F76764	RT 93	2,582.50	2014.18			
F76765	RT 94	2,582.50	2014.18			
F76767	RT 96	2,582.50	4499.25			
F76768	RT 97	2,582.50	4499.25			
F76778	RT 107	2,582.50	6513.43			
F76779	RT 108	2,582.50	6513.43			
F76780	RT 109	2,582.50	6513.43			
F76781	RT 110	2,582.50	6513.43			
F76782	RT 111	2,582.50	2014.18			
F76784	RT 113	2,582.50	6513.43			
F76785	RT 114	2,582.50	6513.43			
F76786	RT 115	2,582.50	6513.43			
F76787	RT 116	2,582.50	6513.43			
F76788	RT 117	2,582.50	6513.43			
F76789	RT 118	2,582.50	6513.43			
F76802	RT 135	1,807.80	6411.67			
F76803	RT 134	1,291.30	3256.84			
F76804	RT 133	2,582.50	6513.43			
F76805	RT 132	2,582.50	9494.83			
F76806	RT 131	2,066.00	8356.46			
F76807	MID 5	1,369.60	3905.20			
F82470	AI 96A	2,582.50	5346.12			
F82598	AI 20A	2,582.50	7363.60			
F82599	AI 58A	284.17	810.27			
F83241	AI 1	1,733.40	6960.98			
F83242	AI 2	2,582.50	7363.60			

List of mineral claims on Form 9 Statement of Representation Work filed November 7, 2005

F83245	AI 5	2,582.50	7363.60			
F83246	AI 6	2,582.50	7363.60			
F83247	AI 7	2,582.50	7363.60			
F83248	AI 8	2,582.50	7363.60			
F83249	AI 9	2,582.50	7363.60			
F83250	AI 10	2,582.50	7363.60			
F83253	AI 13	2,582.50	7363.60			
F83254	AI 14	369.40	1483.43			
F83255	AI 15	321.24	1290.03			
F83256	AI 16	677.56	1931.96			
F83259	AI 19	677.56	1931.96			
F83260	AI 20	2,582.50	7363.60			
F83261	AI 21	2,582.50	7363.60			
F83263	AI 23	1,355.13	3863.94			
F83264	AI 24	2,582.50	11969.80			
F83265	AI 25	2,582.50	11969.80			
F83266	AI 26	2,582.50	7363.60			
F83267	AI 27	2,582.50	7363.60			
F83276	AI 36	2,582.50	7363.60			
F83277	AI 37	2,582.50	7363.60			
F83278	AI 38	2,582.50	7363.60			
F83279	AI 39	2,582.50	7363.60			
F83287	AI 47	2,582.50	4499.25			
F83288	AI 48	2,582.50	4499.25			
F83289	AI 49	2,582.50	7363.60			
F83290	AI 50	2,582.50	11969.80			
F83291	AI 51	2,582.50	7363.60			
F83292	AI 52	1,948.00	5554.42			
F83299	AI 59	293.44	836.70			
F83300	AI 60	2,582.50	7363.60			
F83301	AI 61	2,582.50	11969.80			
F83302	AI 62	2,582.50	11969.80			
F83303	AI 63	2,582.50	7363.60			
F83304	AI 64	2,582.50	7363.60			
F83311	AI 71	2,582.50	7363.60			
F83312	AI 72	2,582.50	7363.60			
F83313	AI 73	1,694.00	7851.63			
F83314	AI 74	480.00	1368.65			
F83315	AI 75	2,582.50	7363.60			
F83316	AI 76	2,582.50	7363.60			
F83318	AI 78	2,582.50	4499.25			
F83319	AI 79	2,582.50	4499.25			
F83320	AI 80	2,582.50	12459.83			
F83321	AI 81	2,582.50	7960.58			
F83324	AI 84	2,582.50	7363.60			
F83325	AI 85	2,582.50	7363.60			
F83326	AI 86	452.00	1288.81			
F83327	AI 87	2,582.50	7363.60			
F83329	AI 89	2,582.50	12459.83			
F83332	AI 92	2,582.50	7960.58			
F83333	AI 93	2,582.50	12459.83			
F83334	AI 94	2,582.50	12459.83			
F83337	AI 97	2,582.50	6192.99			
F83340	AI 100	2,582.50	12459.83			
F83341	AI 101	2,582.50	12459.83			
F83342	AI 102	2,582.50	12459.83			
F83343	AI 103	2,582.50	12459.83			

F83344	AI 104	2,582.50	12459.83			
F83345	AI 105	2,582.50	12459.83			
F83348	AI 108	2,582.50	5346.12			
F83349	AI 109	2,582.50	5346.12			
F83352	AI 112	2,582.50	12459.83			
F83353	AI 113	2,582.50	12459.83			
F83354	AI 114	2,582.50	12459.83			
F83355	AI 115	2,582.50	4499.25			
F83360	AI 120	2,582.50	6192.99			
F83366	AI 126	2,582.50	4499.25			
F83367	AI 127	2,582.50	4499.25			
F83376	AI 136	2,582.50	4499.25			
F83421	AI 181	2,582.50	5645.80			
F83422	AI 182	2,582.50	5645.80			
F83423	AI 183	2,582.50	5645.80			
F83426	AI 186	2,582.50	5645.80			
F83427	AI 187	2,582.50	5645.80			
F83428	AI 188	2,582.50	5645.80			
F83433	AI 193	2,582.50	5645.80			
F83434	AI 194	2,582.50	5645.80			
F83435	AI 195	2,582.50	5645.80			
F83438	AI 198	2,582.50	5645.80			
F83439	AI 199	2,582.50	5645.80			
F83440	AI 200	2,582.50	5645.80			
		717837.05	2592502.50			

ANNEX 9

STATEMENTS OF EXPENDITURE

Jackson Inlet Project – 2004 Till Sampling Program and Airborne Geophysical Survey and 2005 Airborne Geophysical Survey

Brodeur Peninsula, Baffin Island, Nunavut

STATEMENT OF EXPENDITURES FOR YEAR 2004 TILL SAMPLING PROGRAM

PROGRAM COMPONENT OR PHASE	ITEM COST (ex-GST)	SUBTOTAL	$/SAMPLE
1. Prep & planning in NB, May-July 2004			
Field gear - sample tags, GPS units, pens, bear repellent, etc.	$ 1,689.37		
Metal seals for sample pail lids, 2-way radios, sat phone	2,885.48		
Consulting fees (Dalmin Corporation/D Davis and Nordquest/R Roy)	11,045.13		
Adrian Davis remuneration for preparation time	1,500.00	17,119.98	14.27
2. Mobilization and Demobilization			
AC & First Air, F'ton-Nanisivik-F'ton, D Davis, A Davis, Piercy & Banks	17,193.84		
Universal Helicopter & crew, N'fld-Nanisivik-N'fld	20,000.00		
First Air freight charge for 93 kg of field supplies	1,046.52		
Transport Valleyfield-Nanisivik, Jet A & diesel fuel used (244 bbls)	14,884.00		
(In 2004, 228 bbls by MV Umiavut @ $13,913= $61/bbl)			
Transport by MV Umiavut Nanisivik-Valleyfield - samples & empty bbls	14,890.73	68,015.09	56.68
3. Transport, Nanisivik-Brodeur-Nanisivik			
Universal Helicopters' Bell206LR, 280.4 hours	286,008.00		
Kenn Borek, Twin Otter - fuel, samples & empty bbls	18,645.80		
Fuel for helicopter and Twin Otter @ inventory cost of $0.96/l	49,430.72		
Fuel starage lease charge at Nanisivik airport	600.00		
Truck rental from M.Oyukuluk & Nanisivik, sample to dock, etc.	7,500.00	362,184.52	301.82
4. Accomodation & meals for field personnel			
Nanisivik Mine, 7 july-28 Aug/04 for heli & non-local field crew	64,811.21		
Supplies purchased at NW Store & Hamlet, Arctic Bay	441.78	65,252.99	54.38
5. Communications			
Northwest Tel & Dalmin telephone costs re till sampling program	3,966.08	3,966.08	3.31
6. Field personnel remuneration			
A Davis, Piercy, Banks, Ullikatar, T & D Tigullaraq and C Kilabuk	61,775.00	61,775.00	51.48
7. Transport, till samples - Valleyfield to labs			
Kingsway, 1212 20-litre samples on 42 skids to VIPI lab in BC	16,135.29	16,135.29	13.31
8. Sample processing, KIM picking, MP analysis			
Vancouver Indicator Processors Inc., HM concentrate prod'n	201,251.57		
HDM Laboratories Inc, CO, KIM picking and mounting for MP	88,576.24		
Kim Dynamics, BC, KIM(kimberlite indicator minerals) picking	21,884.00		
Ingrid Kjarsgaard, microprobe analyses of 1170 mineral grains	10,210.68	321,922.49	265.61
9. Consulting and representation work report			
Dalmin Corporation/D Davis field, lab direction & interpretation	58,384.58		
Geodat, Fredericton, NB, for data processing and map production	3,504.80		
Printing maps, copying, courier and related office supplies	914.25	62,803.63	51.82
10.Kennecott collection of 12 till samples from Twin Mining claims			
At Twin Mining rate of $481.93/sample (i.e., items 1 to 6) X 12 samples	5,783.16	5,783.16	4.77
11.Twin Mining head office costs re program			
Program attributed postage, telecom, copying & H Derbuch, P Eng	41,448.67	41,448.67	34.54
Total	$1,026,406.90	$1,026,406.90	$846.87

Note: Per sample cost prior to item 7 and for 11 is based on the 1200 samples collected by Twin Mining's field personnel. Per sample cost for items 7 to 10 is based on 1212 samples, that is, including 12 samples collected and shipped south by Kennecott, but which thereafter became the responsibility of Twin Mining for handling, processing and analysis.

Contribution of year 2004 till sampling program on Jackson Inlet/Brodeur mineral claims to new work reported on Form 9, Statement of Representation Work

Claim no.	Claim name	Acreage	New work $	Number of till samples Cost per sample Acreage to which applied	New work per acre $
F72435	ICE 1	2,582.50	10,597.32		
F72436	ICE 2	2,582.50	10,597.32		
F72437	ICE 3	2,582.50	10,597.32		
F72438	ICE 4	2,582.50	10,597.32		
F72439	ICE 5	2,582.50	10,597.32		
F72440	ICE 6	2,582.50	10,597.32		
F72441	ICE 7	2,582.50	10,597.32		
F72442	ICE 8	2,582.50	10,597.32		
F72443	ICE 9	2,582.50	10,597.32		
F72444	ICE 10	2,582.50	10,597.32		
F72445	ICE 11	2,582.50	10,597.32		
F72446	ICE 12	2,582.50	10,597.32		
F72447	ICE 13	2,582.50	10,597.32		
F72448	ICE 14	2,582.50	10,597.32		
F72449	ICE 15	2,582.50	10,597.32		
F72450	ICE 16	2,582.50	10,597.32		
F72451	ICE 17	2,582.50	10,597.32		
F72150	ICE 18	2,582.50	10,597.32		
F72151	ICE 19	2,582.50	10,597.32		
F72152	ICE 20	2,582.50	10,597.32		
F72157	ICE 25	2,582.50	10,597.32		
F72173	ICE 26	2,582.50	10,597.32		
F72174	ICE 27	2,582.50	10,597.32		
F72175	ICE 28	2,582.50	10,597.32		
F72176	ICE 29	2,582.50	10,597.32		
F72177	ICE 30	2,582.50	10,597.32		
F72185	ICE 38	2,582.50	10,597.32		
F72186	ICE 39	2,582.50	10,597.32		
F72187	ICE 40	2,582.50	10,597.32		
F72188	ICE 41	2,582.50	10,597.32		
F72189	ICE 42	2,582.50	10,597.32		
F72190	ICE 43	2,582.50	10,597.32		
F72191	ICE 44	2,582.50	10,597.32		
F72195	ICE 48	2,582.50	10,597.32		
F72196	ICE 49	2,582.50	10,597.32	463 samples	
F72197	ICE 50	2,582.50	10,597.32	$ 846.87 per sample	
F72198	ICE 51	2,582.50	10,597.32	95552.50 acres	$ 4.10
F69400	JADE WEST	1,291.25	1,693.74	2 samples	$ 1.31
F69401	ROSWITHA	2,582.50	846.87	1 sample	$ 0.33
F69387	JAMIE	2,582.50	846.87	1 sample	$ 0.33
F71455	BP 27	2,582.50	846.87	1 sample	$ 0.33
F76682	RT 12	2,582.50	846.87	1 sample	$ 0.33
F76690	RT 20	2,582.50	1,693.74	2 samples	$ 0.66
F76691	RT 21	2,582.50	846.87	1 sample	$ 0.33
F76706	RT 36	2,582.50	846.87	1 sample	$ 0.33

Contribution of year 2004 till sampling program on Jackson Inlet/Brodeur mineral claims to new work reported on Form 9, Statement of Representation Work (amended August 3 and 9, 2007 with claims to which work not applied also listed)

Claim no.	Claim name	Acreage	New work $	Number of till samples Cost per sample Acreage to which applied	New work per acre $
F72435	ICE 1	2,582.50	26,140.07		
F72436	ICE 2	2,582.50	26,140.07		
F72437	ICE 3	-	-		
F72438	ICE 4	-	-		
F72439	ICE 5	-	-		
F72440	ICE 6	2,582.50	26,140.07		
F72441	ICE 7	-	-		
F72442	ICE 8	-	-		
F72443	ICE 9	-	-		
F72444	ICE 10	2,582.50	26,140.07		
F72445	ICE 11	2,582.50	26,140.07		
F72446	ICE 12	-	-		
F72447	ICE 13	-	-		
F72448	ICE 14	-	-		
F72449	ICE 15	2,582.50	26,140.07		
F72450	ICE 16	-	-		
F72451	ICE 17	-	-		
F72150	ICE 18	2,582.50	26,140.07		
F72151	ICE 19	-	-		
F72152	ICE 20	-	-		
F72157	ICE 25	-	-		
F72173	ICE 26	-	-		
F72174	ICE 27	-	-		
F72175	ICE 28	2,582.50	26,140.07		
F72176	ICE 29	2,582.50	26,140.07		
F72177	ICE 30	2,582.50	26,140.07		
F72185	ICE 38	-	-		
F72186	ICE 39	-	-		
F72187	ICE 40	2,582.50	26,140.07		
F72188	ICE 41	2,582.50	26,140.07		
F72189	ICE 42	2,582.50	26,140.07		
F72190	ICE 43	2,582.50	26,140.07		
F72191	ICE 44	-	-		
F72195	ICE 48	-	-		
F72196	ICE 49	2,582.50	26,140.07	463 samples	
F72197	ICE 50	-	-	$ 846.87 per sample	
F72198	ICE 51	-	-	38737.50 acres	$ 10.12
F69400	JADE WEST	1,291.25	1,693.74	2 samples	$ 1.31
F69401	ROSWITHA	2,582.50	846.87	1 sample	$ 0.33
F69387	JAMIE	2,582.50	846.87	1 sample	$ 0.33
F71455	BP 27	2,582.50	846.87	1 sample	$ 0.33
F76682	RT 12	2,582.50	846.87	1 sample	$ 0.33
F76690	RT 20	2,582.50	1,693.74	2 samples	$ 0.66
F76691	RT 21	2,582.50	846.87	1 sample	$ 0.33
F76706	RT 36	2,582.50	846.87	1 sample	$ 0.33

RECEIVED
SEP 20 2007
GEO. BRANCH
VANCOUVER, BC

Atlanta Gold Inc.
(name changed from
Twin Mining Corporation
on March 22, 2007)

Till sampling work allocation

Contribution of year 2004 till sampling program on Jackson Inlet/Brodeur mineral claims to new work reported on Form 9, Statement of Representation Work (amended August 3 and 9, 2007 with claims to which work not applied also listed)

F76709	RT 39	2,582.50	846.87	1 sample	$ 0.33
F76732	RT 61	2,582.50	846.87	1 sample	$ 0.33
F76733	RT 62	2,582.50	846.87	1 sample	$ 0.33

F72430	JI 4-1	2,582.50	8,468.70	10 samples	$ 3.28
F72427	JI 1-1	-	-	10 samples	$ 3.28
F72428	JI 1-2	-	-	10 samples	$ 3.28
F71475	BP 47	-	-		
F71476	BP 48	-	-		
F71477	BP 49	-	-		
F76681	RT 11	-	-		
F76686	RT 16	-	-		
F76687	RT 17	2,582.50	23,147.79		
F76699	RT 29	-	-		
F76700	RT 30	-	-		
F76701	RT 31	-	-		
F76702	RT 32	-	-		
F76703	RT 33	-	-		
F76704	RT 34	2,582.50	23,147.79		
F76705	RT 35	2,582.50	23,147.79		
F83241	AI 1	-	-	82 samples	
F83254	AI 14	-	-	$ 846.87 per sample	
F83255	AI 15	-	-	7747.50 acres	$ 8.96
F83242	AI 2	-	-		
F83253	AI 13	-	-		
F83256	AI 16	-	-		
F76717	RT47	-	-		
F76718	RT48	-	-		
F76730	RT 60	2,582.50	17,593.30		
F76747	RT 76	-	-		
F76749	RT 78	2,582.50	17,593.30		
F83245	AI 5	-	-		
F83246	AI 6	2,582.50	17,593.30		
F83247	AI 7	-	-		
F83248	AI 8	-	-		
F83249	AI 9	-	-		
F83250	AI 10	-	-		
F83259	AI 19	-	-		
F83260	AI 20	-	-		
F83261	AI 21	-	-		
F83263	AI 23	-	-		
F82598	AI 20A	-	-		
F83266	AI 26	-	-		
F83267	AI 27	-	-		
F83276	AI 36	-	-		
F83277	AI 37	-	-		
F83278	AI 38	-	-		
F83279	AI 39	2,582.50	17,593.30		
F83289	AI 49	-	-		

RECEIVED
SEP 10 2007

Contribution of year 2004 till sampling program on Jackson Inlet/Brodeur mineral claims to new work reported on Form 9, Statement of Representation Work (amended August 3 and 9, 2007 with claims to which work not applied also listed)

F83291	AI 51	-	-		
F83292	AI 52	-	-		
F83300	AI 60	-	-		
F83303	AI 63	-	-		
F83304	AI 64	-	-		
F82599	AI 58A	-	-		
F83299	AI 59	-	-		
F83311	AI 71	2,582.50	17,593.30		
F83312	AI 72	-	-		
F83314	AI 74	-	-		
F83315	AI 75	-	-		
F83316	AI 76	-	-		
F83324	AI 84	-	-		
F83325	AI 85	-	-		
F83326	AI 86	-	-		
F83327	AI 87	2,582.50	17,593.30		
F72426	JI 2-1	-	-		
F72424	JI 10-22	-	-		
F76811	MID 9	2,405.80	16,389.53		
F72415	JI 10-13	-	-	144 samples	
F72425	JI 9-1	-	-	846.87 per sample	
F76807	MID 5	-	-	17900.80 acres	$ 6.81
F72416	JI 10-14	2,582.50	79,605.82		
F72417	JI 10-15	-	-		
F72418	JI 10-16	-	-		
F72419	JI 10-17	-	-		
F83264	AI 24	-	-		
F83265	AI 25	-	-		
F83290	AI 50	-	-		
F83301	AI 61	-	-		
F83302	AI 62	-	-	94 samples	
F83313	AI 73	-	-	$ 846.87 per sample	
F72423	JI 10-21	-	-	2582.50 acres	$ 30.83
F72403	JI 10-1	-	-		
F72404	JI 10-2	-	-		
F72405	JI 10-3	-	-		
F72406	JI 10-4	2,582.50	44,884.13		
F72407	JI 10-5	-	-		
F72408	JI 10-6	-	-		
F72409	JI 10-7	-	-		
F72410	JI 10-8	-	-		
F72411	JI 10-9	-	-		
F72412	JI 10-10	-	-	106 samples	
F72413	JI 10-11	-	-	$ 846.87 per sample	
F72414	JI 10-12	2,582.50	44,884.13	5165.00 acres	$ 17.38
F83360	AI 120	-	-	0 samples	$ -
F83349	AI 109	-	-	0 sample	$ -
F82470	AI 96A	-	-	0 sample	$ -
F83337	AI 97	-	-	0 samples	$ -

RECEIVED
SEP 2 0 2007
MINING LAND, MONTANA

Atlanta Gold Inc.
(name changed from
Twin Mining Corporation
on March 22, 2007)

Till sampling work allocation

Contribution of year 2004 till sampling program on Jackson Inlet/Brodeur mineral claims to new work reported on Form 9, Statement of Representation Work (amended August 3 and 9, 2007 with claims to which work not applied also listed)

F83348	AI 108	-	-	0 sample	$ -
F83320	AI 80	2,582.50	39,802.91		
F83321	AI 81	-	-		
F83329	AI 89	2,582.50	39,802.91		
F83332	AI 92	-	-		
F83333	AI 93	-	-		
F83334	AI 94	2,582.50	39,802.91		
F83340	AI 100	-	-		
F83341	AI 101	-	-		
F83342	AI 102	-	-		
F83343	AI 103	-	-		
F83344	AI 104	-	-		
F83345	AI 105	-	-		
F83352	AI 112	-	-	141 samples	
F83353	AI 113	-	-	$ 846.87 per sample	
F83354	AI 114	-	-	7747.50 acres	$ 15.41
F83421	AI 181	-	-		
F83422	AI 182	-	-		
F83423	AI 183	-	-		
F83426	AI 186	-	-		
F83427	AI 187	-	-		
F83428	AI 188	2,582.50	33,874.82		
F83433	AI 193	2,582.50	33,874.82		
F83434	AI 194	-	-		
F83435	AI 195	-	-		
F83438	AI 198	-	-	80 samples	
F83439	AI 199	-	-	$ 846.87 per sample	
F83440	AI 200	-	-	5165 acres	$ 13.12
F76684	RT 14	-	-		
F76685	RT 15	-	-		
F76762	RT 91	-	-		
F76763	RT 92	-	-		
F76764	RT 93	-	-		
F76765	RT 94	-	-		
F76778	RT 107	2,582.50	4,140.26		
F76779	RT 108	2,582.50	4,140.26		
F76780	RT 109	-	-		
F76781	RT 110	2,582.50	4,140.26		
F76782	RT 111	-	-		
F76784	RT 113	2,582.50	4,140.26		
F76785	RT 114	2,582.50	4,140.26		
F76786	RT 115	2,582.50	4,140.26		
F76787	RT 116	2,582.50	4,140.26		
F76788	RT 117	2,582.50	4,140.26		
F76789	RT 118	2,582.50	4,140.26	44 samples	
F76804	RT 133	-	-	$ 846.87 per sample	
F76803	RT 134	-	-	23242.50 acres	$ 1.60
Acres to which work applied		137,987.05	$ 996,766.44	total new work	
				1197 samples	

RECEIVED
SEP 2 0 2007
D.I.A.N.D.
IQALUIT, NU

Atlanta Gold Inc.
(name changed from
Twin Mining Corporation
on March 22, 2007)

Till sampling work allocation

Contribution of year 2004 till sampling program on Jackson Inlet/Brodeur mineral claims to new work reported on Form 9, Statement of Representation Work (amended August 3 and 9, 2007 with claims to which work not applied also listed)

Overall average pe $ 7.22

RECEIVED
SEP 20 2007
GEOLOGICAL BRANCH
ONT.

Contribution of year 2004 till sampling program on Jackson Inlet/Brodeur mineral claims to new work reported on Form 9, Statement of Representation Work

F83321	AI 81	2,582.50	7,960.58		
F83329	AI 89	2,582.50	7,960.58		
F83332	AI 92	2,582.50	7,960.58		
F83333	AI 93	2,582.50	7,960.58		
F83334	AI 94	2,582.50	7,960.58		
F83340	AI 100	2,582.50	7,960.58		
F83341	AI 101	2,582.50	7,960.58		
F83342	AI 102	2,582.50	7,960.58		
F83343	AI 103	2,582.50	7,960.58		
F83344	AI 104	2,582.50	7,960.58		
F83345	AI 105	2,582.50	7,960.58		
F83352	AI 112	2,582.50	7,960.58	141 samples	
F83353	AI 113	2,582.50	7,960.58	$ 846.87 per sample	
F83354	AI 114	2,582.50	7,960.58	38737.50 acres	$ 3.08
F83421	AI 181	2,582.50	5,645.80		
F83422	AI 182	2,582.50	5,645.80		
F83423	AI 183	2,582.50	5,645.80		
F83426	AI 186	2,582.50	5,645.80		
F83427	AI 187	2,582.50	5,645.80		
F83428	AI 188	2,582.50	5,645.80		
F83433	AI 193	2,582.50	5,645.80		
F83434	AI 194	2,582.50	5,645.80		
F83435	AI 195	2,582.50	5,645.80		
F83438	AI 198	2,582.50	5,645.80	80 samples	
F83439	AI 199	2,582.50	5,645.80	$ 846.87 per sample	
F83440	AI 200	2,582.50	5,645.80	30990 acres	$ 2.19
F76684	RT 14	2,582.50	2,014.18		
F76685	RT 15	2,582.50	2,014.18		
F76762	RT 91	2,582.50	2,014.18		
F76763	RT 92	2,582.50	2,014.18		
F76764	RT 93	2,582.50	2,014.18		
F76765	RT 94	2,582.50	2,014.18		
F76778	RT 107	2,582.50	2,014.18		
F76779	RT 108	2,582.50	2,014.18		
F76780	RT 109	2,582.50	2,014.18		
F76781	RT 110	2,582.50	2,014.18		
F76782	RT 111	2,582.50	2,014.18		
F76784	RT 113	2,582.50	2,014.18		
F76785	RT 114	2,582.50	2,014.18		
F76786	RT 115	2,582.50	2,014.18		
F76787	RT 116	2,582.50	2,014.18		
F76788	RT 117	2,582.50	2,014.18		
F76789	RT 118	2,582.50	2,014.18	44 samples	
F76804	RT 133	2,582.50	2,014.18	$ 846.87 per sample	
F76803	RT 134	1,291.30	1,007.13	47776.30 acres	$ 0.78
	Acres to which work applied	454,781.95	$ 1,013,703.84	total new work	
				1197 samples	
				Overall average per ac	$ 2.23

STATEMENT OF EXPENDITURES FOR YEAR 2004 AEROMAGNETIC PROGRAM

PROGRAM COMPONENT OR PHASE	ITEM COST (ex-GST)	SUBTOTAL
1. Mobilization/demobilization Fugro Airborne Surveys crew/helicopter		
From Ottawa to Kennecott's St. Joseph's Camp onBrodeur & return	$ 35,000.00	$ 35,000.00
2. Fugro Airborne Surveys contracted MIDASII survey flying		
16,105 line km @ $29.50/ line km (fuel & accom by Twin Mining)	475,097.50	
Fuel for Fugro Bell 206A helicopter (104 bbls delivered to Nanisivik by First Air Hercules as per statement, Kennecott (Canada) Exploration Inc.	104,000.00	579,097.50
3. Transport fuel for survey from Nanisivik to Brodeur Peninsula		
Kenn Borek, Twin Otter, hauling 104 bbls fuel for survey at Jun-Aug'05 per barrell cost incurred by Twin Mining for 2005 Fugro survey less 25% to allow for the year to year increase in Kenn Borek charges (Kennecott provided no amount for this item to Twin Mining)	14,130.69	14,130.69
4. Accomodation of Fugro crew, Kennecott's St. Joseph's Camp		
Fugro crew attributed cost for 210 person days, 22 June-2 Aug'04 based on 5 survey crew @288.28/person day, i.e. , the $384.37/person day camp cost incurred at the nearby Twin Mining Jackson Camp for the Fugro 2005 MIDASII survey minus 25% to allow for any possibility of lower per person cost of providing camp accomodation and meals in 2004 (Kennecott provided no amount for this item to Twin Mining)	44,201.98	44,201.98
	60,538.80	60,538.80
5. Consulting, representation work report, statement of expenses & Form 9		
Consulting fees (Dalmin Corporation/D Davis), Fredericton, NB	15,680.00	
Geodat, Fredericton, NB, for data processing and map production	2,805.63	18,485.63
6. Twin Mining head office costs re program		
Program attributed postage, telecom, copying & H Derbuch, P Eng	1,000.00	1,000.00
Total	$ 752,454.60	$ 752,454.60

RECEIVED SEP 2 0 2007 LANDS

STATEMENT OF EXPENDITURES FOR YEAR 2005 AEROMAGNETIC PROGRAM

PROGRAM COMPONENT OR PHASE	ITEM COST (ex-GST)	SUBTOTAL
1. Preparation & planning in Fredericton, NB, March-June 2004		
Consulting fees (Dalmin Corporation/D Davis)	$ 18,250.00	$ 18,250.00
2. Mobilization, preparations at Nanisivik and demobilization		
Kenn Borek, Twin Otter, 66 bbl Jet A to Brodeur for survey, 4-6 Apr '05	21,004.20	
Accomodation at Nanisivik Mine for Kenn Borek crew, 4-6 Apr'05	936.45	
Jet A fuel of Twin Mining used by Kenn Borek @ $0.96/l, 4-6 Apr'05	3,150.63	
M.Oyukuluk plowing to expose fuel drums, Twin Otter, 6 Apr'05	720.00	
Fugro mob-demob, helicopter arr Nanisivik 4 Jun'05 & dep 13 Aug'05	37,866.69	
NEAS' MV Umiavut, $61/bbl Valleyfield-Nanisivik, fuel used for survey	16,836.00	
(Fugro ASTAR350B - 238 bbls & Kenn Borek Twin Otter - 38 bbls)		
Nanisivik Mine, transport of survey portion of fuel, dock to airport	1,718.43	82,232.40
3. Transport fuel for survey from Nanisivik to Brodeur Peninsula		
Kenn Borek, Twin Otter, hauling fuel for survey, Jun-Aug'05	38,796.35	
Jet A fuel of Twin Mining used for above @ $0.96/l, Jun-Aug'05	4,320.37	
Nanisivik Mine accomod, Kenn Borek crew 10 rm nights, Jun-Aug'05	2,807.05	45,923.77
4. Fugro Airborne Surveys contracted MIDASII survey flying		
14,588 line km @ $36.50/ line km (fuel & accom by Twin Mining)	532,462.00	
Fuel for Fugro ASTAR350B helicopter @inventory cost of $0.96/l	46,838.40	
ASTAR350B helicopter heat-up to start, First Air, Nanisivik Airport	176.00	579,476.40
5. Accomodation, survey crew, Arctic Bay, 1 June-21 July'05		
Nanisivik Mine, 10 room nights & meals, Fugro crew, 1-4 June'05	3,277.57	
Rent Unit 23-B, Ikpiaryuk Services Ltd, Arctic Bay, June-July'05	5,000.00	
Hydro, fuel & household supplies, Ikpiaryuk services, Arctic Bay	2,858.19	
NW Store, groceries & household for 5 survey crew, 5 Jun-21 Jul'05	6,834.05	17,969.81
6. Communications		
Northwest Tel charges, Unit 23-B phone (#867-439-8432), Arctic Bay	978.97	
SSI Micro charges, Unit 23-B b-band internet, Arctic Bay	169.81	1,148.78
7. Ground transport for Fugro survey crew, Arctic Bay-Nanisivik		
Rental of pick-up truck from Ikpiaryuk, Arctic Bay, 1-5 June'05	625.00	
Rental, crew cab truck from M Oyukuluk, Arctic Bay, 41 d, Jun-Jul'05	7175.00	
Diersel fuel for truck, plowing & general support @$0.95/l inventory cost	2532.00	10,332.00
8. Move Fugro crew to Twin Mining's Jackson Camp from Arctic Bay		
Move Fugro crew, 1.8 flying hours, Bell 206LR heli, Helimax, 21 Jul'05	1935.00	
Helicopter fuel used for crew move @ Twin Miining's $0.96/l inventory cost	219.46	2,154.46
9. Demob Fugro crew from Twin Mining's Jackson Camp to Nanisivik airport		
Demob Fugro crew, 1.8 flying hours, Bell 206LR heli, Helimax, 13 Aug'05	1935.00	
Helicopter Jet A fuel used for crew demob @ Twin Miining's $0.96/l inventory	219.46	2154.46
10. Accomodation of Fugro crew, Twin Mining's Jackson Camp		
Fugro crew attributed cost, 115 person days at Jackson Camp (see next page	44,201.98	44,201.98
Rental, crew cab truck from M Oyukuluk, Arctic Bay, 41 d, Jun-Jul'05		
11. Consulting, representation work report, statement of expenses & Form 9		
Consulting fees (Dalmin Corporation/D Davis)	14,000.00	14,000.00
12.Twin Mining head office costs re program		
Program attributed postage, telecom, copying & H Derbuch, P Eng	8,500.00	8,500.00
Total	$ 826,344.06	$ 826,344.06

STATEMENT OF EXPENDITURES FOR YEAR 2005 AEROMAGNETIC PROGRAM

Costs for operating Twin Mining's Jackson Camp during July-August 2005

Cost of camp groceries from Deshaies, Amos, QC, Jul-Aug'05	$	8,785.95
Safety essentials for camp (oxygen, fire extinguishers, stretcher), various suppliers, Jun-July'05		3,152.00
Transport weekly groceries, Nanisivik-camp, 14.4 flying hours/8 weeks, Bell 206LR heli, Helimax		15,480.00
Jet A fuel used for weekly grocery run, supplied by Twin Miining @ inventory cost of $0.96/l		1,755.65
First Air charge for shipping groceries & camp essentials, Jul-Aug'05		21,186.67
Air Canada charge for shipping camp supplies, Fredericton-Nanisiivik, June'05		1,264.16
Diesel used for camp heating (5 bbls) @ $0.95/l inventory cost		973.75
Propane used (7-100 lb cyl, cooking) & plywood for camp repair, Narwhal Arctic Services, Resolut		2,856.00
Transport fuel used by camp & plywood, 2 Twin Otter tripsi,Kenn Borek, 30 Jun'05		3,200.00
Remuneration of cooks (J Robb - $11,250, T Latimer - $7,150)		18,400.00
Remuneration of camp/field project manager, A. Davis		24,322.73
Return air travel Fredericton-Nanisivik-F'ton (Robb, Davis0) & Nanisivik-Yellowknife (Latimer)		18,752.48
Satellite phones (2) rental and usage charge, Infosat, Burnaby, BC & Beyond Wireless, Sudbury,		17,709.27
Camp supplies, generator parts, water bladder replacement, batteries, chairs, F'ton, June-July'0		8,788.57
Rental of 2-way radios, Bruncom, Fredericton, June 28-August 28'05		450.00
Open camp, transport equipmnt, food & persons, 14.4 flying hrs Bell206LR, Helimax, 3-4 July'05		15,480.00
Helicopter fuel used for opening camp, supplied by Twin Mng @ $0.96/l inventory cost, 3-4 Jul'05		1,755.65
Close camp demob to Nanisivik, 6 flying hrs re personnel & camp, Bell 206LR, Helimax, 25 Aug'		6,450.00
Helicopter fuel used for closing camp, supplied by Twin Mng @ $0.96/l inventory cost, 3-4 July'05		731.52
NEAS' MV Umiavut, $61/bbl Valleyfield-Nanisivik, fuel used, camp & heli servicing camp needs		2,623.00
Total	$	174,117.40

Jackson camp occupancy

Period	Number of persons in camp: Fugro crew	Number of persons in camp: Twin Mining & other contractors	Days	Person days
3-8 July'05	0	4	6	24
9-14 July'05	0	7	6	42
15-21 July'05	0	6	7	42
22-30 July'05	5	6	9	99
31 Jul-3 Aug'	5	9	4	56
4-10 Aug'05	5	8	7	91
11-13 Aug'05	5	7	3	36
14-19 Aug'05	0	7	6	42
20-22 Aug'05	0	5	3	15
23-24 Aug'06	0	3	2	6
Total person days				453
Fugro person days		(5 X 9) + (5 X 4) + (5 X 7) + (5 X 3)		115
Fugro attributed cost		115/453 X $174,117.4 = $44,201.98		
Camp - person day cost		$174,117.40/453 = $384.37		
Arctic Bay - person day cost		(17,969.81 + 1,148.78 + 10,332.00)/(51 days X 5 persons) = $115.49		

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported (amended August 3 and 9, 2007 with claims to which work not applied also listed)

Claim no.	Claim name	Acreage	Cost Distribution of new work			New work
			2005 aeromag	2004 aeromag	2004 till	total
			$	$	$	$
F45691	SLOT	2,324.25	-	-	-	-
F65593	FREIGHTRAIN	2,324.25	-	-	-	-
F69382	JOEL	-	-	-	-	-
F69383	FIONA	-	-	-	-	-
F69384	DALLAS	-	-	-	-	-
F69386	TRUDY	-	-	-	-	-
F69387	JAMIE	2,582.50	-	16,849.47	846.87	17,696.34
F69393	ROBYN	1,239.60	-	8,087.75	-	8,087.75
F69405	KRISTA SOUTH	2,324.20	-	15,164.20	-	15,164.20
F69390	KRISTA	619.80	-	4,043.87	-	4,043.87
F69391	ANDREA	-	-	-	-	-
F69392	EMILY	2,582.50	-	16,849.47	-	16,849.47
F69395	JADE	1,291.25	-	-	-	-
F69396	ARNULF	-	-	-	-	-
F69397	WILLIAM	-	-	-	-	-
F69400	JADE WEST	1,291.25	-	-	1,693.74	1,693.74
F69401	ROSWITHA	2,582.50	-	16,849.47	846.87	17,696.34
F69402	FREDERIQUE	2,582.50	15,587.76	-	-	15,587.76
F69403	RICHARD	-	-	-	-	-
F69404	HERMANN	2,169.30	-	14,153.55	-	14,153.55
F71431	BP 3	-	-	-	-	-
F71435	BP 7	-	-	-	-	-
F71437	BP 9	-	-	-	-	-
F71438	BP 10	-	-	-	-	-
F71439	BP 11	2,582.50	-	16,849.47	-	16,849.47
F71440	BP 12	1,846.60	-	12,048.11	-	12,048.11
F71441	BP 13	1,993.70	-	13,007.86	-	13,007.86
F71442	BP 14	2,012.70	-	13,131.82	-	13,131.82
F71446	BP 22	-	-	-	-	-
F71447	BP 23	2,582.50	-	16,849.47	-	16,849.47
F71448	BP 24	2,066.00	-	13,479.58	-	13,479.58
F71449	BP 20	-	-	-	-	-
F71451	BP 18	-	-	-	-	-
F71452	BP 17	2,066.00	-	13,479.58	-	13,479.58
F71453	BP 25	2,582.50	-	16,849.47	-	16,849.47
F71454	BP 26	2,582.50	-	16,849.47	-	16,849.47
F71455	BP 27	2,582.50	-	16,849.47	846.87	17,696.34
F71456	BP 30	-	-	-	-	-
F71457	BP 28	2,582.50	-	16,849.47	-	16,849.47
F71458	BP 29	2,582.50	-	16,849.47	-	16,849.47
F71461	BP 33	2,066.00	-	13,479.58	-	13,479.58
F71462	BP 34	2,582.50	-	16,849.47	-	16,849.47
F71463	BP 35	-	-	-	-	-
F71464	BP 36	-	-	-	-	-
F71465	BP 37	2,582.50	-	16,849.47	-	16,849.47
F71466	BP 38	-	-	-	-	-
F71469	BP 41	-	-	-	-	-
F71470	BP 42	-	-	-	-	-
F71471	BP 43	-	-	-	-	-
F71472	BP 44	-	-	-	-	-
F71473	BP 45	-	-	-	-	-
F71474	BP 46	-	-	-	-	-

RECEIVED
SEP 2 0 2007
D.I.A.N.D.
IQALUIT, NU

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported (amended August 3 and 9, 2007 with claims to which work not applied also listed)

F71475	BP 47	-	-	-	-	-
F71476	BP 48	-	-	-	-	-
F71477	BP 49	-	-	-	-	-
F72150	ICE 18	2,582.50	15,587.76	-	26,140.07	41,727.83
F72151	ICE 19	-	-	-	-	-
F72152	ICE 20	-	-	-	-	-
F72157	ICE 25	-	-	-	-	-
F72173	ICE 26	-	-	-	-	-
F72174	ICE 27	-	-	-	-	-
F72175	ICE 28	2,582.50	15,587.76	-	26,140.07	41,727.83
F72176	ICE 29	2,582.50	15,587.76	-	26,140.07	41,727.83
F72177	ICE 30	2,582.50	15,587.76	-	26,140.07	41,727.83
F72185	ICE 38	-	-	-	-	-
F72186	ICE 39	-	-	-	-	-
F72187	ICE 40	2,582.50	15,587.76	-	26,140.07	41,727.83
F72188	ICE 41	2,582.50	15,587.76	-	26,140.07	41,727.83
F72189	ICE 42	2,582.50	15,587.76	-	26,140.07	41,727.83
F72190	ICE 43	2,582.50	15,587.76	-	26,140.07	41,727.83
F72191	ICE 44	-	-	-	-	-
F72195	ICE 48	-	-	-	-	-
F72196	ICE 49	2,582.50	15,587.76	-	26,140.07	41,727.83
F72197	ICE 50	-	-	-	-	-
F72198	ICE 51	-	-	-	-	-
F72403	JI 10-1	-	-	-	-	-
F72404	JI 10-2	-	-	-		
F72405	JI 10-3	-	-	-	-	-
F72406	JI 10-4	2,582.50	15,587.76	-	44,884.13	60,471.89
F72407	JI 10-5	-	-	-	-	-
F72408	JI 10-6	-	-	-	-	-
F72409	JI 10-7	-	-	-	-	-
F72410	JI 10-8	-	-	-	-	-
F72411	JI 10-9	-	-	-	-	-
F72412	JI 10-10	-	-	-	-	-
F72413	JI 10-11	-	-	-	-	-
F72414	JI 10-12	2,582.50	15,587.76	-	44,884.13	60,471.89
F72415	JI 10-13	-	-	-	-	-
F72416	JI 10-14	2,582.50	15,587.76	-	79,605.82	95,193.58
F72417	JI 10-15	-	-	-	-	-
F72418	JI 10-16	-	-	-	-	-
F72419	JI 10-17	-	-	-	-	-
F72423	JI 10-21	-	-	-	-	-
F72424	JI 10-22	-	-	-	-	-
F72425	JI 9-1	-	-	-	-	-
F72426	JI 2-1	-	-	-	-	-
F72427	JI 1-1	-	-	-	-	-
F72428	JI 1-2	-	-	-	-	-
F72430	JI 4-1	2,582.50	15,587.76	-	8,468.70	24,056.47
F72435	ICE 1	2,582.50	15,587.76	-	26,140.07	41,727.83
F72436	ICE 2	2,582.50	15,587.76	-	26,140.07	41,727.83
F72437	ICE 3	-	-	-	-	-
F72438	ICE 4	-	-	-	-	-
F72439	ICE 5	-	-	-	-	-
F72440	ICE 6	2,582.50	15,587.76	-	26,140.07	41,727.83
F72441	ICE 7	-	-	-	-	-
F72442	ICE 8	-	-	-	-	-
F72443	ICE 9	-	-	-	-	-

RECEIVED
SEP 2 0 2007
D.I.A.N.D.
IQALUIT, NU

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported (amended August 3 and 9, 2007 with claims to which work not applied also listed)

F72444	ICE 10	2,582.50	15,587.76	-	26,140.07	41,727.83
F72445	ICE 11	2,582.50	15,587.76	-	26,140.07	41,727.83
F72446	ICE 12	-	-	-	-	-
F72447	ICE 13	-	-	-	-	-
F72448	ICE 14	-	-	-	-	-
F72449	ICE 15	2,582.50	15,587.76	-	26,140.07	41,727.83
F72450	ICE 16	-	-	-	-	-
F72451	ICE 17	-	-	-	-	-
F76611	MID 11	-	-	-	-	-
F76612	MID 12	-	-	-	-	-
F76614	MID 14	-	-	-	-	-
F76811	MID 9	2,405.80	14,521.22	-	16,389.53	30,910.75
F76618	MID 18	-	-	-	-	-
F76619	MID 19	1,218.90	7,357.18	-	-	7,357.18
F76620	MID 20	1,572.20	9,489.67	-	-	9,489.67
F76671	RT 2	-	-	-	-	-
F76672	RT 3	-	-	-	-	-
F76673	RT 4	-	-	-	-	-
F76674	RT 5	-	-	-	-	-
F76675	RT 5S	1,371.50	-	8,948.32	-	8,948.32
F76676	RT 6	-	-	-	-	-
F76677	RT 7	2,582.50	-	16,849.47	-	16,849.47
F76681	RT 11	-	-	-	-	-
F76682	RT 12	2,582.50	-	16,849.47	846.87	17,696.34
F76683	RT 13	-	-	-	-	-
F76684	RT 14	-	-	-	-	-
F76685	RT 15	-	-	-	-	-
F76686	RT 16	-	-	-	-	-
F76687	RT 17	2,582.50	15,587.76	16,849.47	23,147.79	55,585.02
F76688	RT 18	2,582.50	-	16,849.47	-	16,849.47
F76689	RT 19	2,582.50	-	16,849.47	-	16,849.47
F76690	RT 20	2,582.50	-	16,849.47	1,693.74	18,543.21
F76691	RT 21	2,582.50	-	16,849.47	846.87	17,696.34
F76692	RT 22	2,582.50	-	16,849.47	-	16,849.47
F76693	RT 23	2,582.50	-	16,849.47	-	16,849.47
F76694	RT 24	0.00	-	-	-	-
F76695	RT 25	2,582.50	-	16,849.47	-	16,849.47
F76696	RT 26	2,582.50	15,587.76	16,849.47	-	32,437.23
F76697	RT 27	-	-	-	-	-
F76698	RT 28	-	-	-	-	-
F76699	RT 29	-	-	-	-	-
F76700	RT 30	-	-	-	-	-
F76701	RT 31	-	-	-	-	-
F76702	RT 32	-	-	-	-	-
F76703	RT 33	-	-	-	-	-
F76704	RT 34	2,582.50	15,587.76	-	23,147.79	38,735.55
F76705	RT 35	2,582.50	15,587.76	16,849.47	23,147.79	55,585.02
F76706	RT 36	2,582.50	-	16,849.47	846.87	17,696.34
F76707	RT 37	-	-	-	-	-
F76708	RT 38	-	-	-	-	-
F76709	RT 39	2,582.50	-	16,849.47	846.87	17,696.34
F76710	RT 40	2,582.50	-	16,849.47	-	16,849.47
F76711	RT 41	-	-	-	-	-
F76712	RT 42	2,582.50	15,587.76	16,849.47	-	32,437.23
F76713	RT 43	-	-	-	-	-
F76714	RT 44	2,582.50	15,587.76	-	-	15,587.76

RECEIVED
SEP 2 0 2007
D.I.A.N.D.
IQALUIT, NU

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported (amended August 3 and 9, 2007 with claims to which work not applied also listed)

F76715	RT 45	-	-	-	-	-
F76716	RT 46	-	-	-	-	-
F76717	RT47	-	-	-	-	-
F76718	RT48	-	-	-	-	-
F76719	RT 49	-	-	-	-	-
F76720	RT 50	-	-	-	-	-
F76721	RT 51	2,582.50	-	16,849.47	-	16,849.47
F76722	RT 52	2,582.50	-	16,849.47	-	16,849.47
F76723	RT 53	-	-	-	-	-
F76725	RT 55	-	-	-	-	-
F76726	RT 56	-	-	-	-	-
F76727	RT 57	-	-	-	-	-
F76728	RT 58	-	-	-	-	-
F76729	RT 59	-	-	-	-	-
F76730	RT 60	2,582.50	-	16,849.47	17,593.30	34,442.77
F76731	RT 1	-	-	-	-	-
F76732	RT 61	2,582.50	-	16,849.47	846.87	17,696.34
F76733	RT 62	2,582.50	-	16,849.47	846.87	17,696.34
F76734	RT 63	2,582.50	-	16,849.47	-	16,849.47
F76738	RT 67	-	-	-	-	-
F76739	RT 68	-	-	-	-	-
F76741	RT 70	-	-	-	-	-
F76747	RT 76	-	-	-	-	-
F76749	RT 78	2,582.50	15,587.76	16,849.47	17,593.30	50,030.53
F76750	RT 79	2,582.50	15,587.76	16,849.47	-	32,437.23
F76751	RT 80	-	-	-	-	-
F76752	RT 81	-	-	-	-	-
F76753	RT 82	-	-	-	-	-
F76754	RT 83	-	-	-	-	-
F76755	RT 84	-	-	-	-	-
F76760	RT 89	2,582.50	15,587.76	-	-	15,587.76
F76761	RT 90	2,582.50	15,587.76	-	-	15,587.76
F76762	RT 91	-	-	-	-	-
F76763	RT 92	-	-	-	-	-
F76764	RT 93	-	-	-	-	-
F76765	RT 94	-	-	-	-	-
F76767	RT 96	2,582.50	15,587.76	-	-	15,587.76
F76768	RT 97	2,582.50	15,587.76	-	-	15,587.76
F76778	RT 107	2,582.50	15,587.76	-	4,140.26	19,728.02
F76779	RT 108	2,582.50	15,587.76	-	4,140.26	19,728.02
F76780	RT 109	-	-	-	-	-
F76781	RT 110	2,582.50	15,587.76	-	4,140.26	19,728.02
F76782	RT 111	-	-	-	-	-
F76784	RT 113	2,582.50	15,587.76	-	4,140.26	19,728.02
F76785	RT 114	2,582.50	15,587.76	-	4,140.26	19,728.02
F76786	RT 115	2,582.50	15,587.76	-	4,140.26	19,728.02
F76787	RT 116	2,582.50	15,587.76	-	4,140.26	19,728.02
F76788	RT 117	2,582.50	15,587.76	-	4,140.26	19,728.02
F76789	RT 118	2,582.50	15,587.76	-	4,140.26	19,728.02
F76802	RT 135	-	-	-	-	-
F76803	RT 134	-	-	-	-	-
F76804	RT 133	-	-	-	-	-
F76805	RT 132	2,582.50	15,587.76	16,849.47	-	32,437.23
F76806	RT 131	-	-	-	-	-
F76807	MID 5	-	-	-	-	-
F82470	AI 96A	-	-	-	-	-

RECEIVED
SEP 2 0 2007
L.A.N.D.

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported (amended August 3 and 9, 2007 with claims to which work not applied also listed)

F82598	AI 20A	-	-	-	-	-
F82599	AI 58A	-	-	-	-	-
F83241	AI 1	-	-	-	-	-
F83242	AI 2	-	-	-	-	-
F83245	AI 5	-	-	-		-
F83246	AI 6	2,582.50	15,587.76	-	17,593.30	33,181.06
F83247	AI 7	-	-	-	-	-
F83248	AI 8	-	-	-	-	-
F83249	AI 9	-	-	-	-	-
F83250	AI 10	-	-	-	-	-
F83253	AI 13	-	-	-	-	-
F83254	AI 14	-	-	-	-	-
F83255	AI 15	-	-	-	-	-
F83256	AI 16	-	-	-	-	-
F83259	AI 19	-	-	-	-	-
F83260	AI 20	-	-	-	-	-
F83261	AI 21	-	-	-	-	-
F83263	AI 23	-	-	-	-	-
F83264	AI 24	-	-	-	-	-
F83265	AI 25	-	-	-	-	-
F83266	AI 26	-	-	-	-	-
F83267	AI 27	-	-	-	-	-
F83276	AI 36	-	-	-	-	-
F83277	AI 37	-	-	-	-	-
F83278	AI 38	-	-	-	-	-
F83279	AI 39	2,582.50	15,587.76	-	17,593.30	33,181.06
F83287	AI 47	-	-	-	-	-
F83288	AI 48	-	-	-	-	-
F83289	AI 49	-	-	-	-	-
F83290	AI 50	-	-	-	-	-
F83291	AI 51	-	-	-	-	-
F83292	AI 52	-	-	-	-	-
F83299	AI 59	-	-	-	-	-
F83300	AI 60	-	-	-	-	-
F83301	AI 61	-	-	-	-	-
F83302	AI 62	-	-	-	-	-
F83303	AI 63	-	-	-	-	-
F83304	AI 64	-	-	-	-	-
F83311	AI 71	2,582.50	15,587.76	-	17,593.30	33,181.06
F83312	AI 72	-	-	-	-	-
F83313	AI 73	-	-	-	-	-
F83314	AI 74	-	-	-	-	-
F83315	AI 75	-	-	-	-	-
F83316	AI 76	-	-	-	-	-
F83318	AI 78	-	-	-	-	-
F83319	AI 79	-	-	-	-	-
F83320	AI 80	2,582.50	15,587.76	-	39,802.91	55,390.67
F83321	AI 81	-	-	-	-	-
F83324	AI 84	-	-	-	-	-
F83325	AI 85	-	-	-	-	-
F83326	AI 86	-	-	-	-	-
F83327	AI 87	2,582.50	15,587.76	-	17,593.30	33,181.06
F83329	AI 89	2,582.50	15,587.76	-	39,802.91	55,390.67
F83332	AI 92	-	-	-	-	-
F83333	AI 93	-	-	-	-	-
F83334	AI 94	2,582.50	15,587.76	-	39,802.91	55,390.67

RECEIVED
SEP 2 0 2007
D.I.A.N.D.
IQALUIT, NU

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported (amended August 3 and 9, 2007 with claims to which work not applied also listed)

F83337	AI 97	-	-	-	-	-
F83340	AI 100	-	-	-	-	-
F83341	AI 101	-	-	-	-	-
F83342	AI 102	-	-	-	-	-
F83343	AI 103	-	-	-	-	-
F83344	AI 104	-	-	-	-	-
F83345	AI 105	-	-	-	-	-
F83348	AI 108	-	-	-	-	-
F83349	AI 109	-	-	-	-	-
F83352	AI 112	-	-	-	-	-
F83353	AI 113	-	-	-	-	-
F83354	AI 114	-	-	-	-	-
F83355	AI 115	-	-	-	-	-
F83360	AI 120	-	-	-	-	-
F83366	AI 126	2,582.50	15,587.76	-	-	15,587.76
F83367	AI 127	-	-	-	-	-
F83376	AI 136	2,582.50	15,587.76	-	-	15,587.76
F83421	AI 181	-	-	-	-	-
F83422	AI 182	2,582.50	-	-	-	-
F83423	AI 183	2,582.50	-	-	-	-
F83426	AI 186	2,582.50	-	-	-	-
F83427	AI 187	-	-	-	-	-
F83428	AI 188	2,582.50	-	-	33,874.82	33,874.82
F83433	AI 193	2,582.50	-	-	33,874.82	33,874.82
F83434	AI 194	-	-	-	-	-
F83435	AI 195	2,582.50	-	-	-	-
F83438	AI 198	2,582.50	-	-	-	-
F83439	AI 199	-	-	-	-	-
F83440	AI 200	2,582.50	-	-	-	-
	Total	262,045.80	826,344.06	752,454.60	996,766.56	2,575,565.22
Acres 2004 mag survey claims		115,327.90	826,344.06	752,454.60	996,766.56	2,575,565.22
		56,815.00				
		80,089.40				
Acres 2005 mag survey claims		136,904.40				

RECE

SEP 2 0 2007

D.I.A.

IQALU

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported

F72425	JI 9-1	2,582.50	4,499.25	-	2,864.35	7,363.60
F72426	JI 2-1	2,582.50	-	-	8,468.70	8,468.70
F72427	JI 1-1	2,582.50	4,499.25	-	8,468.70	12,967.96
F72428	JI 1-2	2,582.50	4,499.25	-	8,468.70	12,967.96
F72430	JI 4-1	2,582.50	4,499.25	-	8,468.70	12,967.96
F72435	ICE 1	2,582.50	4,499.25	-	10,597.32	15,096.58
F72436	ICE 2	2,582.50	4,499.25	-	10,597.32	15,096.58
F72437	ICE 3	2,582.50	4,499.25	-	10,597.32	15,096.58
F72438	ICE 4	2,582.50	4,499.25	-	10,597.32	15,096.58
F72439	ICE 5	2,582.50	4,499.25	-	10,597.32	15,096.58
F72440	ICE 6	2,582.50	4,499.25	-	10,597.32	15,096.58
F72441	ICE 7	2,582.50	4,499.25	-	10,597.32	15,096.58
F72442	ICE 8	2,582.50	4,499.25	-	10,597.32	15,096.58
F72443	ICE 9	2,582.50	4,499.25	-	10,597.32	15,096.58
F72444	ICE 10	2,582.50	4,499.25	-	10,597.32	15,096.58
F72445	ICE 11	2,582.50	4,499.25	-	10,597.32	15,096.58
F72446	ICE 12	2,582.50	4,499.25	-	10,597.32	15,096.58
F72447	ICE 13	2,582.50	4,499.25	-	10,597.32	15,096.58
F72448	ICE 14	2,582.50	4,499.25	-	10,597.32	15,096.58
F72449	ICE 15	2,582.50	4,499.25	-	10,597.32	15,096.58
F72450	ICE 16	2,582.50	4,499.25	-	10,597.32	15,096.58
F72451	ICE 17	2,582.50	4,499.25	-	10,597.32	15,096.58
F76611	MID 11	1,108.80	1,931.76	-	-	1,931.76
F76612	MID 12	1,139.10	1,984.55	-	-	1,984.55
F76614	MID 14	1,408.40	2,453.73	-	-	2,453.73
F76616	MID 16	2,582.50	4,499.25	-	-	4,499.25
F76618	MID 18	1,090.00	1,899.01	-	-	1,899.01
F76619	MID 19	1,218.90	2,123.58	-	-	2,123.58
F76620	MID 20	1,572.20	2,739.10	-	-	2,739.10
F76671	RT 2	1,669.10	-	6,751.10	-	6,751.10
F76672	RT 3	232.10	404.37	-	-	404.37
F76673	RT 4	74.10	-	299.72	-	299.72
F76674	RT 5	1,371.50	-	5,547.38	-	5,547.38
F76675	RT 5S	1,371.50	-	5,547.38	-	5,547.38
F76676	RT 6	2,582.50	-	10,445.58	-	10,445.58
F76677	RT 7	2,582.50	-	10,445.58	-	10,445.58
F76681	RT 11	2,582.50	4,499.25	2,645.58	5,871.54	13,016.37
F76682	RT 12	2,582.50	-	10,445.58	846.87	11,292.45
F76683	RT 13	2,582.50	-	10,445.58	-	10,445.58
F76684	RT 14	2,582.50	4,499.25	-	2,014.18	6,513.43
F76685	RT 15	2,582.50	4,499.25	-	2,014.18	6,513.43
F76686	RT 16	2,582.50	4,499.25	-	5,871.54	10,370.79
F76687	RT 17	2,582.50	4,499.25	2,645.58	5,871.54	13,016.37
F76688	RT 18	2,582.50	-	10,445.58	-	10,445.58
F76689	RT 19	2,582.50	-	10,445.58	-	10,445.58
F76690	RT 20	2,582.50	-	10,445.58	1,693.74	12,139.32
F76691	RT 21	2,582.50	-	10,445.58	846.87	11,292.45
F76692	RT 22	2,582.50	-	10,445.58	-	10,445.58
F76693	RT 23	2,582.50	-	10,445.58	-	10,445.58

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported

F76754	RT 83	2,582.50	-	5,645.58	-	5,645.58
F76755	RT 84	2,582.50	-	5,645.58	-	5,645.58
F76760	RT 89	2,582.50	4,499.25	-	-	4,499.25
F76761	RT 90	2,582.50	4,499.25	-	-	4,499.25
F76762	RT 91	2,582.50	-	-	2,014.18	2,014.18
F76763	RT 92	2,582.50	-	-	2,014.18	2,014.18
F76764	RT 93	2,582.50	-	-	2,014.18	2,014.18
F76765	RT 94	2,582.50	-	-	2,014.18	2,014.18
F76767	RT 96	2,582.50	4,499.25	-	-	4,499.25
F76768	RT 97	2,582.50	4,499.25	-	-	4,499.25
F76778	RT 107	2,582.50	4,499.25	-	2,014.18	6,513.43
F76779	RT 108	2,582.50	4,499.25	-	2,014.18	6,513.43
F76780	RT 109	2,582.50	4,499.25	-	2,014.18	6,513.43
F76781	RT 110	2,582.50	4,499.25	-	2,014.18	6,513.43
F76782	RT 111	2,582.50	-	-	2,014.18	2,014.18
F76784	RT 113	2,582.50	4,499.25	-	2,014.18	6,513.43
F76785	RT 114	2,582.50	4,499.25	-	2,014.18	6,513.43
F76786	RT 115	2,582.50	4,499.25	-	2,014.18	6,513.43
F76787	RT 116	2,582.50	4,499.25	-	2,014.18	6,513.43
F76788	RT 117	2,582.50	4,499.25	-	2,014.18	6,513.43
F76789	RT 118	2,582.50	4,499.25	-	2,014.18	6,513.43
F76802	RT 135	1,807.80	2,399.56	4,012.11	-	6,411.67
F76803	RT 134	1,291.30	2,249.71	-	1,007.13	3,256.84
F76804	RT 133	2,582.50	4,499.25	-	2,014.18	6,513.43
F76805	RT 132	2,582.50	549.25	8,945.58	-	9,494.83
F76806	RT 131	2,066.00	-	8,356.46	-	8,356.46
F76807	MID 5	1,369.60	2,386.13	-	1,519.07	3,905.20
F82470	AI 96A	2,582.50	4,499.25	-	846.87	5,346.12
F82598	AI 20A	2,582.50	4,499.25	-	2,864.35	7,363.60
F82599	AI 58A	284.17	495.08	-	315.18	810.27
F83241	AI 1	1,733.40	3,019.94	-	3,941.03	6,960.98
F83242	AI 2	2,582.50	4,499.25	-	2,864.35	7,363.60
F83245	AI 5	2,582.50	4,499.25	-	2,864.35	7,363.60
F83246	AI 6	2,582.50	4,499.25	-	2,864.35	7,363.60
F83247	AI 7	2,582.50	4,499.25	-	2,864.35	7,363.60
F83248	AI 8	2,582.50	4,499.25	-	2,864.35	7,363.60
F83249	AI 9	2,582.50	4,499.25	-	2,864.35	7,363.60
F83250	AI 10	2,582.50	4,499.25	-	2,864.35	7,363.60
F83253	AI 13	2,582.50	4,499.25	-	2,864.35	7,363.60
F83254	AI 14	369.40	643.57	-	839.86	1,483.43
F83255	AI 15	321.24	559.67	-	730.37	1,290.03
F83256	AI 16	677.56	1,180.45	-	751.51	1,931.96
F83259	AI 19	677.56	1,180.45	-	751.51	1,931.96
F83260	AI 20	2,582.50	4,499.25	-	2,864.35	7,363.60
F83261	AI 21	2,582.50	4,499.25	-	2,864.35	7,363.60
F83263	AI 23	1,355.13	2,360.92	-	1,503.02	3,863.94
F83264	AI 24	2,582.50	4,499.25	-	7,470.55	11,969.80
F83265	AI 25	2,582.50	4,499.25	-	7,470.55	11,969.80
F83266	AI 26	2,582.50	4,499.25	-	2,864.35	7,363.60

Individual contributions of year 2004 till sampling program, 2004 aeromagnetic survey and 2005 aeromagnetic survey of Jackson Inlet mineral claims to new work reported

F83366	AI 126	2,582.50	4,499.25	-	-	4,499.25
F83367	AI 127	2,582.50	4,499.25	-	-	4,499.25
F83376	AI 136	2,582.50	4,499.25	-	-	4,499.25
F83421	AI 181	2,582.50	-	-	5,645.80	5,645.80
F83422	AI 182	2,582.50	-	-	5,645.80	5,645.80
F83423	AI 183	2,582.50	-	-	5,645.80	5,645.80
F83426	AI 186	2,582.50	-	-	5,645.80	5,645.80
F83427	AI 187	2,582.50	-	-	5,645.80	5,645.80
F83428	AI 188	2,582.50	-	-	5,645.80	5,645.80
F83433	AI 193	2,582.50	-	-	5,645.80	5,645.80
F83434	AI 194	2,582.50	-	-	5,645.80	5,645.80
F83435	AI 195	2,582.50	-	-	5,645.80	5,645.80
F83438	AI 198	2,582.50	-	-	5,645.80	5,645.80
F83439	AI 199	2,582.50	-	-	5,645.80	5,645.80
F83440	AI 200	2,582.50	-	-	5,645.80	5,645.80
	Total	717,837.05	826,344.06	752,454.60	1,013,703.84	2,592,502.50