NORTHERN STAR
RESOURCES LIMITED

ASX ANNOUNCEMENT
9 December 2015

Australian Securities Exchange Code: NST

Board of Directors
Mr Chris Rowe
Non-Executive Chairman

Mr Bill Beament
Managing Director

Mr Peter O'Connor
Non-Executive Director

Mr John Fitzgerald
Non-Executive Director

Ms Liza Carpene
Company Secretary

Issued Capital
Shares 600M
Options 4.3M

Current Share Price A$2.54

Market Capitalisation
A$1.5 billion

Cash and Cash Equivalents
30 Sep 2015 - A$196 million

Level 1, 388 Hay St
Subiaco WA 6008
T +6 8 6188 2100
F +6 8 6188 2111
E info@nsrltd.com
www.nsrltd.com

ABN: 43 092 832 892

STUDY FINDS HERMES DEPOSIT WILL BE A SIGNIFICANT PRODUCER FOR PLUTONIC

Plutonic turnaround well underway as remnant mining draws to an end, paving way for the mine to play a key role in Northern Star's 700,000ozpa growth strategy

KEY POINTS

- **Scoping study finds the recently acquired Hermes deposit at Plutonic will make a significant contribution to Northern Star's strategy of becoming a 700,000ozpa gold producer**
- **Stage one of mining at Hermes will produce 86,000oz over two-three years at an AISC of A$1,095/oz with an expected capital cost of A$10m**
- **The Hermes deposit remains open in several directions with the potential for pit extensions and underground mining**
- **Plutonic's production set to grow from 75,000oz-80,000ozpa in FY16 to 100,000ozpa in FY17**
- **Plutonic turnaround on track with mining moving from remnant areas to four new underground zones: Caribbean, Pacific East, Indian and Caspian**
- **Recent grade control drilling in these new zones has returned results of:**
  - **Caribbean:**
    - **2.7m at 74.7gpt (est true width 1.9m)**
    - **3.2m at 54.4gpt (est true width 2.2m)**
    - **1.7m at 65.2gpt (est true width 1.2m)**
  - **Pacific East:**
    - **12.1m at 13.9gpt (est true width 8.5m)**
    - **3.4m at 13.7gpt (est true width 2.3m)**
    - **3.0m at 11.9gpt (est true width 2.1m)**
  - **Indian:**
    - **2.4m at 54gpt (est true width 1.7m)**
    - **1.8m at 40gpt (est true width 1.3m)**
    - **0.6m at 98.4gpt (est true width 0.4m)**
  - **Caspian:**
    - **0.6m at 3,526gpt (est true width 0.4m)**
    - **1.0m at 107gpt (est true width 0.7m)**
    - **0.3m at 376gpt (est true width 0.2m)**
- **Exploration and studies will continue at the Baltic Extension zone following previous ore-grade intercepts in the area, including:**
  - **2.8m at 14gpt (est true width 2.0m)**
  - **1.6m at 18.5gpt (est true width 1.2m)**
  - **3.0m at 8.9gpt (est true width 1.9m)**

Northern Star Resources Limited (ASX: NST) is pleased to advise that it has made further strong progress in its strategy to become a 700,000 ounce-a-year gold producer, with a scoping study finding that its Hermes deposit will make a significant contribution to production and mine life at the Plutonic gold mine.

The study concluded that stage one mining at Hermes, which is located 60km south-west of Plutonic in WA, would produce a total of 86,000oz (1.1Mt at 2.6gpt) over a two to three-year life at an all-in sustaining cost (AISC) of A$1,095/oz (see Figure 1). The capital cost to bring Hermes into production is estimated to be A$10 million.

This is forecast to help increase Plutonic's annual production from 75,000oz-80,000oz per annum this financial year to 100,000oz per annum in FY17 and beyond.

Northern Star acquired Hermes from Alchemy Resources in March this year for A$1.5m and released a maiden Mineral Resource of 224,000oz at 2.7gpt in August (see ASX release dated 4 August 2015).

Mining is scheduled to start at three pits in the middle of next year, with the ore being trucked to Plutonic via a direct haulage route.

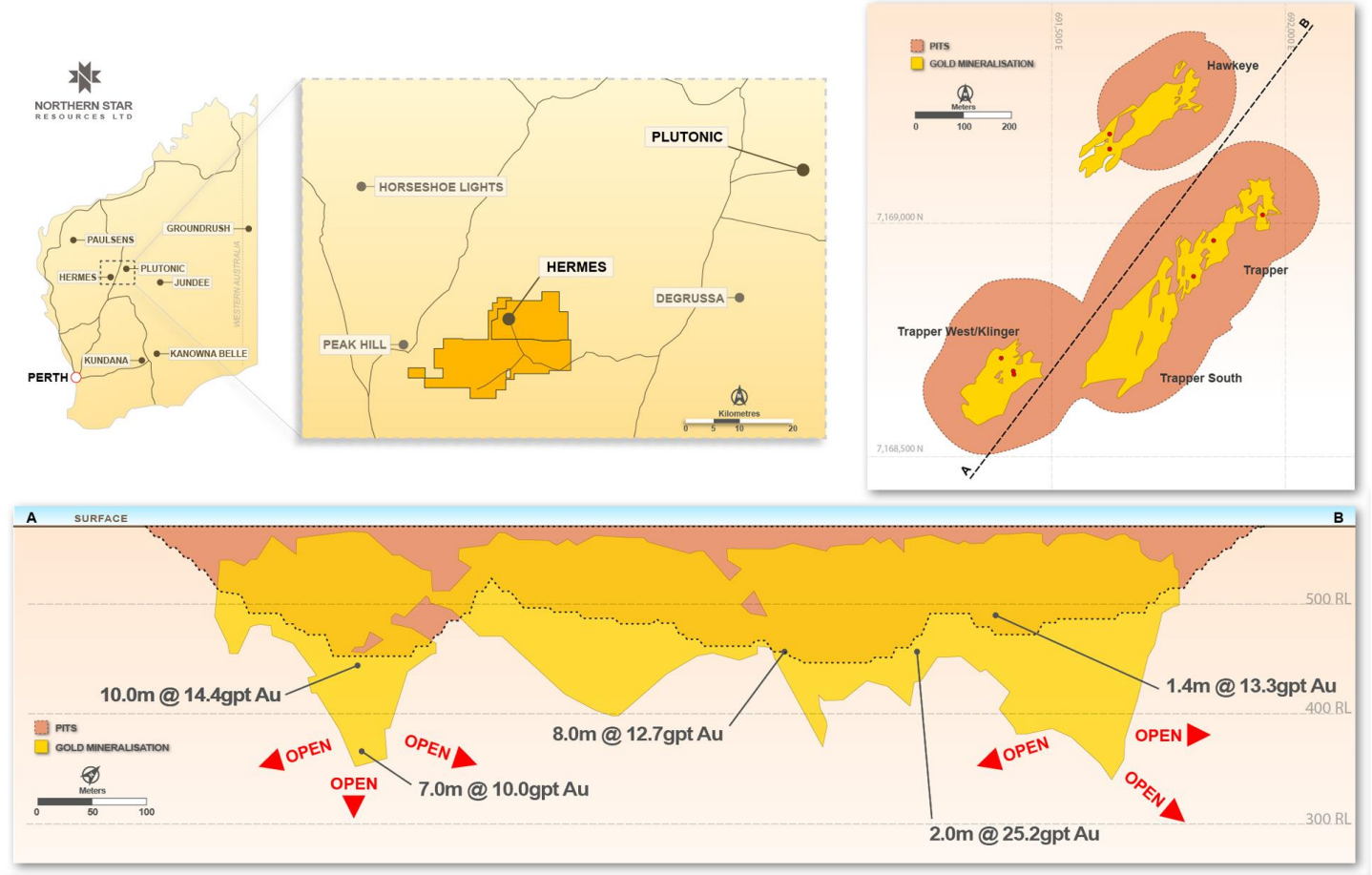

Figure 1: The Hermes deposit is located 60km south-west of the Plutonic mine. The above long section shows the illustrated stage one pit outline. The deposit remains open in several directions with several ore grade intercepts highlighting the potential for underground mining.

The increased production at Plutonic is part of Northern Star's strategy to grow production to 700,000ozpa in FY18, up from this financial year's forecast production of 535,000 to 570,000oz at an AISC of A$1,050-A$1,100/oz.

This production growth will come entirely from organic sources, with increased output also forecast for the Company's Kalgoorlie operations and the start of mining at the Central Tanami Project in the Northern Territory.

Since taking ownership of the Plutonic Mine Northern Star has invested significantly in exploration and development at Plutonic as part of its strategy to move away from remnant mining and into new Resource areas.

This program has led to the development of four new areas – Caribbean, Pacific East, Indian and Caspian - now being well advanced.

Northern Star is also assessing the viability of extending mining to the high-grade Baltic Extended zone. The recent exploration success in this area followed on from historic drilling which encountered ore-grade intercepts (see Figure 2). This zone is a potential underground base-load feed source for the processing facility over a number of years.

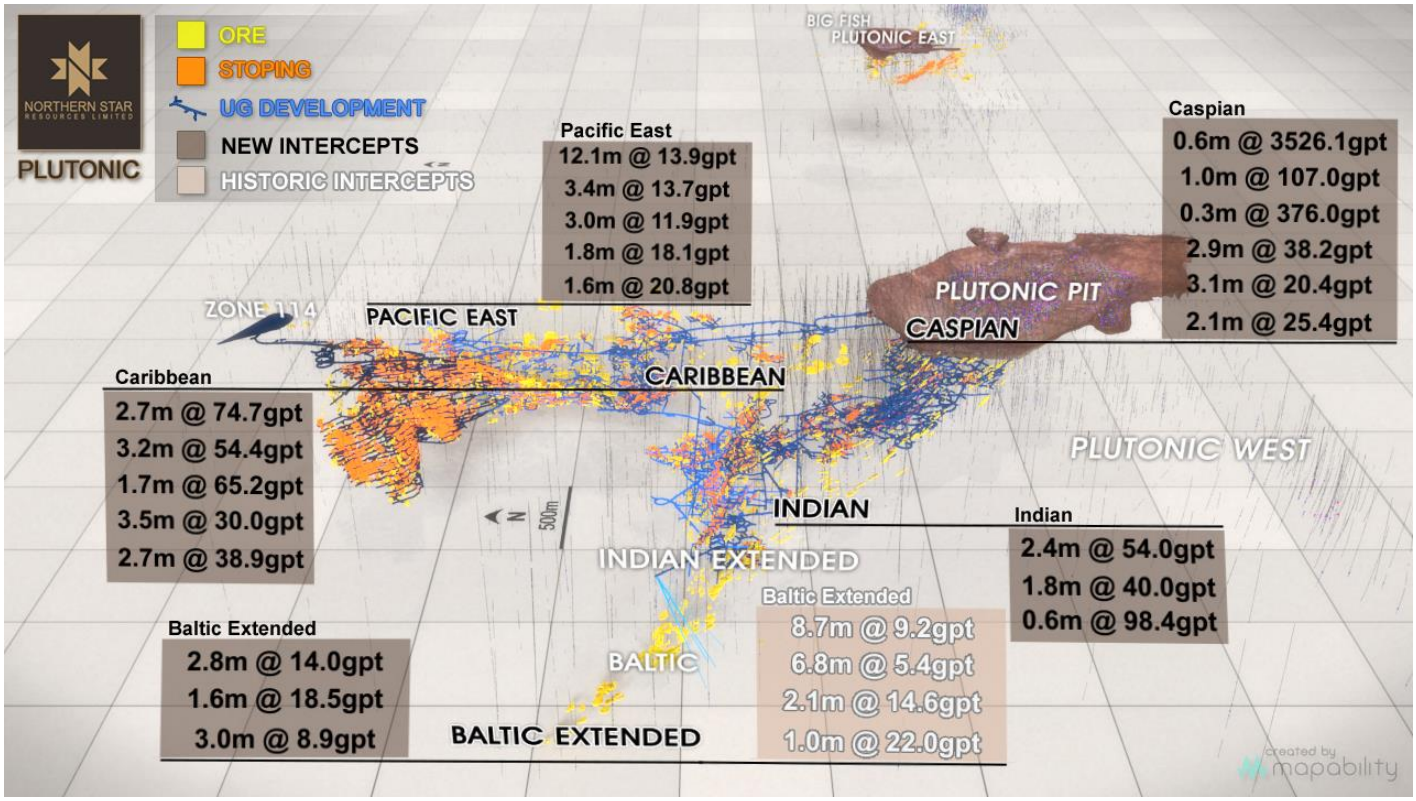

Figure 2: Northern Star has intersected high grade mineralisation across four new mining fronts at Plutonic. Further work will be conducted at the Baltic Extension Zone.

These five zones contributed a total of 664,000oz to Plutonic's revised Resource estimate of 1.7Moz, which was released in August this year (see ASX release dated 4 August 2015).

Since acquiring Plutonic last year, Northern Star has invested heavily in rebuilding the mine plan, with more than 120,000m of diamond drilling completed in the past financial year. It has also completed a significant amount of underground capital development to access these new zones. In this financial year, Northern Star has budgeted to complete a further 90,000m of diamond drilling.

With these new zones now moving from the development to the mining phase, total expenditure at Plutonic has fallen from ~A$11 million a month to A$9.2 million in October. Northern Star aims to further reduce this figure early in the new calendar year to A$8.8 million a month at a production rate of 6,500oz a month.

The exploration and development campaign led to Mineral Resources at Plutonic increasing by 17 per cent to 1.7Moz in FY15, including the four new areas now under development.

Northern Star Managing Director Bill Beament said it was now clear that the Company's strategy to rebuild Plutonic was paying dividends.

"We bought Plutonic because we were confident there was a lot more gold to be found," Mr Beament said. "The results of our exploration and development strategy show we were right.

"We have made the investment in identifying and developing these new areas, which will enable us to move away from remnant mining into genuinely new areas of mineralisation.

"Much of this upfront expenditure is now done and we are starting to see the benefits of the increased grades and lower costs which are at the heart of this strategy."

Mr Beament said the results of this work also demonstrated that Northern Star's organic growth was on track and would deliver substantial benefits for Shareholders.

"The start of mining at Hermes and the shift away from remnant mining into these new areas will ensure Plutonic plays its role in our plan to be a 700,000ozpa producer," he said.

Details of Hermes Scoping Study

The Hermes scoping study indicates that around 1.1Mt @ 2.6gpt can be mined and processed at a recovery rate of 95%, to produce 86,000oz at an AISC cost of A$1,095 per ounce from three initial pits, being Trapper, Trapper West and Hawkeye, with ore starting from 5m below surface.

Hermes Stage 1 Design	
Mining Inventory (Mt)	1.1
Strip ratio	13.2:1
Ore Grade (gpt)	2.64
Recovery (%)	95
Contained Gold oz	86,000
AISC (A$/oz)	1,095

The current Hermes scoping study results are based on preliminary mine designs and an allowance of 10% mining dilution and 95% mining recovery. Geotechnical assessment has been conducted by external consultants based on dedicated drill holes. Indicative mining and haulage costs have been sourced from open pit mining contractors and NST's internal database. Processing costs and recoveries are built up internally based on NST's operating experience at Plutonic and appropriate metallurgical test work for the Hermes deposit.

Capital expenditure is expected to be A$10m for the establishment of the new site and direct haulage route. This includes completion of required studies, infill and sterilisation drilling and dewatering bores. Work continues with site investigations and studies being progressed for permitting and approval purposes.

Exploration drilling is planned to resume early in the New Year to:

- convert inferred Resources to a higher category to allow mining plans and a Reserve to be finalised,
- laterally extend existing orebodies,
- test depth extensions,
- test potential additional mining areas, and
- sterilise potential waste dump areas.

Subject to approvals, Hermes is targeted to commence mining in mid-2016, and to be producing additional feed for the Plutonic mill in the second half of 2016.

Yours faithfully

Bill Beament

BILL BEAMENT
Managing Director
Northern Star Resources Limited

Investor Enquiries:

Luke Gleeson, Investor Relations, Northern Star Resources Limited
T: +61 8 6188 2103
E: lgleeson@nsrltd.com

Competent Persons Statements

The information in this announcement that relates to mineral resource and reserve estimations, exploration results, data quality, geological interpretations and potential for eventual economic extraction, is based on information compiled by Brook Ekers (Member Australian Institute of Geoscientists), who is a full-time employee of Northern Star Resources Limited. Mr Ekers has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" for the Group reporting. Mr Ekers consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.

Forward Looking Statements

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APPENDIX 1 – RESULTS

PLUTONIC SIGNIFICANT INTERSECTIONS - GRADE CONTROL											
Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD17070	3585	11777	836	27	277	62.0	37.5	38.5	1.0	9.6	0.7
UDD17070	3585	11777	836	27	277	62.0	43.1	43.5	0.4	7.3	0.3
UDD17071	3585	11777	836	17	282	71.0	2.6	3.0	0.4	15.9	0.3
UDD17071	3585	11777	836	17	282	71.0	10.5	11.5	1.0	7.2	0.7
UDD17071	3585	11777	836	17	282	71.0	24.7	27.5	2.8	14.0	2.0
UDD17071	3585	11777	836	17	282	71.0	56.9	57.8	1.0	6.3	0.7
UDD16874	4520	11436	1244	19	354	78.0	15.1	15.7	0.6	28.7	0.4
UDD16874	4520	11436	1244	19	354	78.0	20.6	21.5	0.9	24.5	0.6
UDD16874	4520	11436	1244	19	354	78.0	24.6	26.3	1.7	8.0	1.2
UDD16875	4520	11436	1244	27	6	79.0	22.5	23.5	1.0	17.3	0.7
UDD16875	4520	11436	1244	27	6	79.0	27.8	28.1	0.3	7.6	0.2
UDD16877	4540	11445	1244	36	22	67.0	16.4	16.9	0.5	6.9	0.4
UDD16877	4540	11445	1244	36	22	67.0	17.8	18.3	0.6	7.9	0.4
UDD16877	4540	11445	1244	36	22	67.0	42.3	42.8	0.5	7.7	0.3
UDD16878	4540	11445	1244	34	4	67.1	18.7	19.0	0.3	5.3	0.2
UDD16878	4540	11445	1244	34	4	67.1	43.7	44.1	0.4	12.6	0.3
UDD16879	4530	11441	1244	38	15	68.1	18.1	18.4	0.3	10.5	0.2
UDD16880	4520	11436	1245	58	332	14.1	9.5	10.6	1.1	17.7	0.8
UDD16880	4520	11436	1245	58	332	14.1	13.4	13.8	0.4	20.0	0.3
UDD16880A	4520	11436	1245	58	331	50.2	9.7	10.8	1.1	13.9	0.8
UDD16880A	4520	11436	1245	58	331	50.2	13.4	14.0	0.6	19.0	0.4
UDD16881	4520	11436	1244	17	339	77.1	21.0	25.8	4.8	7.1	3.4
UDD16882	4540	11444	1244	48	10	60.7	41.5	42.1	0.7	9.3	0.5
UDD16883	4531	11442	1243	20	19	29.1	15.8	16.3	0.5	8.4	0.4
UDD16884	4543	11442	1246	60	324	29.0			NSI		
UDD16886	4520	11436	1242	16	330	83.2	27.3	27.8	0.5	13.7	0.4
UDD16886	4520	11436	1242	16	330	83.2	29.8	30.7	0.9	6.6	0.6
UDD16886	4520	11436	1242	16	330	83.2	43.8	44.1	0.4	7.3	0.2
UDD16886	4520	11436	1242	16	330	83.2	55.5	56.5	1.0	5.5	0.7
UDD16888	4520	11436	1244	42	179	63.6	3.7	4.2	0.5	14.3	0.4
UDD16888	4520	11436	1244	42	179	63.6	12.9	13.9	1.0	13.0	0.7
UDD16888	4520	11436	1244	42	179	63.6	40.9	41.9	1.0	12.3	0.7
UDD16890	4531	11439	1245	83	13	60.2	8.6	9.4	0.8	6.1	0.5
UDD16890	4531	11439	1245	83	13	60.2	40.7	41.4	0.7	20.7	0.5
UDD17014	4760	11882	1186	-27	159	32.3			NSI		
UDD17015	4758	11890	1187	-30	295	14.3	0.7	1.6	0.9	6.1	0.6
UDD17015	4758	11890	1187	-30	295	14.3	11.0	12.0	1.0	13.0	0.7
UDD17015A	4758	11890	1187	-25	296	53.3	22.1	23.1	1.0	33.7	0.7
UDD17015A	4758	11890	1187	-25	296	53.3	25.2	28.4	3.2	5.6	2.2
UDD17015A	4758	11890	1187	-25	296	53.3	29.7	30.2	0.5	5.3	0.4
UDD17017	4756	11884	1186	-16	250	94.0	9.7	10.7	1.0	6.8	0.7
UDD17018	4756	11884	1186	-19	257	69.8	44.5	46.5	2.0	15.4	1.4
UDD17019	4756	11884	1186	-25	257	62.3			NSI		
UDD17021	4756	11885	1186	-27	268	55.9	36.7	38.7	2.0	8.8	1.4
UDD17022	4768	11909	1188	-31	4	24.7			NSI		
UDD17023	4761	11905	1188	-77	197	14.2			NSI		
UDD17024	4757	11885	1186	-70	260	17.5	2.8	3.8	1.0	7.3	0.7
UDD17024A	4757	11886	1186	-70	260	23.2	2.7	5.2	2.5	9.0	1.8
UDD17040	4542	11493	1230	-16	327	35.3	16.9	17.3	0.5	5.2	0.3
UDD17041	4542	11493	1230	-28	313	53.8			NSI		
UDD17042	4542	11493	1231	-8	308	59.0	25.2	26.5	1.3	8.1	0.9
UDD17042	4542	11493	1231	-8	308	59.0	28.3	28.8	0.5	5.2	0.4
UDD17043	4542	11493	1232	15	309	57.8	13.3	18.2	4.9	8.4	3.4
UDD17044	4542	11491	1231	4	277	68.2	23.8	24.4	0.6	39.7	0.4
UDD17044	4542	11491	1231	4	277	68.2	29.9	30.2	0.3	13.4	0.2
UDD17045	4542	11490	1231	9	254	61.3	15.6	16.8	1.2	38.2	0.8
UDD17045	4542	11490	1231	9	254	61.3	22.0	22.4	0.5	20.2	0.3
UDD17046	4542	11490	1231	9	239	49.3	10.8	12.9	2.1	8.5	1.5
UDD17047	4542	11490	1230	-17	257	53.3	9.0	9.4	0.5	32.6	0.3
UDD17047	4542	11490	1230	-17	257	53.3	44.5	45.5	1.0	25.9	0.7
UDD17048	4542	11489	1230	-29	228	29.3	20.8	21.8	1.0	5.4	0.7
UDD17141	4514	11454	1228	0	27	69.1	38.3	39.0	0.7	39.3	0.5
UDD17141	4514	11454	1228	0	27	69.1	52.9	53.3	0.4	10.3	0.3
UDD17141	4514	11454	1228	0	27	69.1	62.9	63.9	1.0	5.5	0.7
UDD17142	4513	11455	1227	-26	27	74.5	42.7	43.7	1.0	7.0	0.7
UDD17143	4496	11465	1228	-8	27	62.8	55.7	56.0	0.4	17.2	0.2
UDD17144	4497	11464	1228	-10	12	62.3			NSI		
UDD17145	4493	11467	1227	-23	17	64.8	52.7	53.3	0.6	8.8	0.4
UDD17146	4493	11467	1227	-40	17	68.3	26.8	27.6	0.9	18.4	0.6
UDD17147	4494	11466	1227	-36	37	74.0	11.3	11.9	0.6	5.2	0.4
UDD17147	4494	11466	1227	-36	37	74.0	18.6	22.2	3.6	8.6	2.5
UDD17148	4484	11472	1227	-23	12	55.2	47.0	47.7	0.7	7.8	0.5
UDD17148	4484	11472	1227	-23	12	55.2	53.0	54.0	1.0	29.3	0.7
UDD17149	4483	11472	1227	-42	11	62.2			NSI		
UDD17150	4469	11477	1228	-14	24	107.2	22.6	22.9	0.3	19.8	0.2
UDD17150	4469	11477	1228	-14	24	107.2	46.0	46.7	0.8	17.5	0.5
UDD17151	4469	11477	1228	-5	14	105.6	17.4	18.6	1.2	16.4	0.8
UDD17151	4469	11477	1228	-5	14	105.6	39.0	39.4	0.4	8.2	0.3
UDD17151	4469	11477	1228	-5	14	105.6	45.5	46.5	1.0	7.4	0.7
UDD17153	4468	11477	1228	-19	8	87.8	26.7	27.7	1.0	25.1	0.7
UDD17153	4468	11477	1228	-19	8	87.8	54.0	54.6	0.7	30.0	0.5
UDD17154	4460	11480	1228	-17	344	63.3	30.1	32.8	2.7	74.7	1.9
UDD17157	4458	11476	1228	-22	240	47.1	0.7	2.3	1.6	52.4	1.1
UDD17159	4459	11477	1228	-43	255	58.3	0.4	1.9	1.5	18.5	1.1
UDD17159	4459	11477	1228	-43	255	58.3	32.0	36.2	4.2	18.1	2.9
UDD17160	4461	11480	1230	28	2	50.1	7.2	7.8	0.6	6.5	0.4
UDD17169	4513	11455	1228	11	10	59.1	31.6	31.9	0.3	11.8	0.2
UDD17169	4513	11455	1228	11	10	59.1	35.0	36.4	1.4	16.7	0.9
UDD17169	4513	11455	1228	11	10	59.1	48.4	49.1	0.7	18.1	0.5

PLUTONIC SIGNIFICANT INTERSECTIONS - GRADE CONTROL

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD17170	4493	11467	1230	25	14	50.2	2.3	3.3	1.0	5.6	0.7
UDD17170	4493	11467	1230	25	14	50.2	28.5	29.2	0.7	24.4	0.5
UDD17170	4493	11467	1230	25	14	50.2	33.8	34.4	0.6	11.1	0.4
UDD17170	4493	11467	1230	25	14	50.2	39.9	40.4	0.6	61.4	0.4
UDD17171	4484	11471	1230	25	9	43.8	25.0	27.8	2.8	9.2	2.0
UDD17172	4493	11467	1231	43	18	54.6	0.5	1.5	1.0	5.1	0.7
UDD17172	4493	11467	1231	43	18	54.6	27.9	28.7	0.8	30.9	0.5
UDD17173	4484	11471	1231	48	8	47.1	8.5	9.5	1.0	7.0	0.7
UDD17173	4484	11471	1231	48	8	47.1	20.9	21.4	0.5	15.7	0.4
UDD17174	4469	11477	1229	16	7	60.7	11.0	12.4	1.4	17.4	1.0
UDD17174	4469	11477	1229	16	7	60.7	26.9	28.6	1.7	20.4	1.2
UDD17174	4469	11477	1229	16	7	60.7	35.0	35.3	0.4	7.4	0.2
UDD17175	4469	11477	1231	42	7	41.1	9.1	10.6	1.5	13.7	1.1
UDD17175	4469	11477	1231	42	7	41.1	22.0	22.4	0.4	8.1	0.3
UDD17202	4722	11943	1224	-86	137	42.9	31.4	31.9	0.6	26.6	0.4
UDD17202	4722	11943	1224	-86	137	42.9	35.5	37.5	2.0	21.2	1.4
UDD17203	4647	11932	1231	-51	186	137.2	113.0	113.5	0.6	5.9	0.4
UDD17205	4647	11932	1231	-53	180	138.2	112.6	113.1	0.5	9.2	0.4
UDD17206	4648	11932	1230	-71	169	107.2	71.2	72.2	1.0	9.4	0.7
UDD17206	4648	11932	1230	-71	169	107.2	74.4	75.2	0.8	10.3	0.5
UDD17207	4647	11932	1231	-63	200	134.8	106.5	107.1	0.6	5.3	0.4
UDD17207	4647	11932	1231	-63	200	134.8	116.6	117.3	0.7	7.6	0.5
UDD17208	4654	11936	1230	-44	179	128.5	92.6	93.6	1.0	9.4	0.7
UDD17208	4654	11936	1230	-44	179	128.5	103.6	104.4	0.8	9.0	0.5
UDD17209	4714	11942	1225	-74	222	81.7			NSI		
UDD17210	4654	11936	1230	-51	162	122.4	104.9	106.5	1.6	16.6	1.1
UDD17211	4723	11941	1224	-47	135	71.4	8.0	8.3	0.3	17.2	0.2
UDD17211	4723	11941	1224	-47	135	71.4	27.5	27.9	0.4	7.9	0.3
UDD17239	4461	11479	1231	43	354	31.8	6.9	8.0	1.1	15.8	0.7
UDD17240	4460	11480	1229	-3	345	56.3	11.4	12.0	0.7	11.5	0.5
UDD17240	4460	11480	1229	-3	345	56.3	18.2	19.4	1.2	23.4	0.8
UDD17240	4460	11480	1229	-3	345	56.3	40.0	40.4	0.4	6.5	0.3
UDD17240	4460	11480	1229	-3	345	56.3	44.6	45.0	0.4	17.7	0.3
UDD17241	4461	11480	1229	14	120	51.4	8.7	9.7	1.1	15.7	0.7
UDD17241	4461	11480	1229	14	120	51.4	28.0	28.7	0.7	5.3	0.5
UDD17241	4461	11480	1229	14	120	51.4	29.5	30.0	0.5	6.0	0.4
UDD17241	4461	11480	1229	14	120	51.4	43.1	43.6	0.5	5.9	0.4
UDD17242	4496	11464	1230	33	26	61.5	1.8	2.1	0.3	7.7	0.2
UDD17242	4496	11464	1230	33	26	61.5	40.8	41.4	0.6	8.9	0.4
UDD17243	4470	11477	1230	28	26	51.6	9.3	12.8	3.5	30.0	2.5
UDD17243	4470	11477	1230	28	26	51.6	17.9	18.3	0.4	13.2	0.3
UDD17243	4470	11477	1230	28	26	51.6	21.0	22.7	1.7	16.1	1.2
UDD17244	4463	11479	1230	28	21	47.1	7.5	8.5	1.0	14.7	0.7
UDD17244	4463	11479	1230	28	21	47.1	23.1	25.9	2.9	14.5	2.0
UDD17245	4463	11479	1229	4	22	56.1	12.9	14.7	1.8	39.1	1.3
UDD17245	4463	11479	1229	4	22	56.1	29.6	32.3	2.7	6.5	1.9
UDD17245	4463	11479	1229	4	22	56.1	38.8	39.7	0.9	26.9	0.6
UDD17246	4463	11479	1232	55	15	36.9	7.4	8.9	1.6	23.4	1.1
UDD17247	4468	11472	1228	-34	247	72.5	22.8	23.4	0.7	12.7	0.5
UDD17247	4468	11472	1228	-34	247	72.5	30.8	31.3	0.5	9.4	0.4
UDD17248	4455	11475	1228	-11	254	30.8	0.0	0.5	0.5	24.2	0.4
UDD17249	4455	11475	1228	-27	281	43.5			NSI		
UDD17251	4470	11476	1231	53	25	36.3	9.7	10.2	0.5	7.5	0.4
UDD17251	4470	11476	1231	53	25	36.3	16.4	16.8	0.4	69.9	0.2
UDD17252	4460	11480	1228	-29	347	60.9	54.8	55.4	0.6	50.8	0.4
UDD17253	4497	11464	1229	18	26	63.0	27.0	27.3	0.3	6.1	0.2
UDD17253	4497	11464	1229	18	26	63.0	29.0	31.5	2.5	8.2	1.8
UDD17253	4497	11464	1229	18	26	63.0	43.0	43.7	0.8	9.1	0.5
UDD17254	4455	11475	1228	-23	267	43.9	0.0	0.8	0.8	31.0	0.5
UDD17255	4459	11480	1228	-20	328	71.2	9.2	9.8	0.6	6.5	0.4
UDD17279	4487	11574	1170	19	6	37.9	9.4	10.1	0.7	14.0	0.5
UDD17279	4487	11574	1170	19	6	37.9	14.5	15.7	1.2	12.7	0.8
UDD17279	4487	11574	1170	19	6	37.9	20.7	21.1	0.4	85.1	0.3
UDD17279	4487	11574	1170	19	6	37.9			NSI		
UDD17280	4487	11574	1170	31	347	35.3	14.6	15.1	0.5	7.6	0.4
UDD17280	4487	11574	1170	31	347	35.3	18.2	18.8	0.7	9.3	0.5
UDD17280	4487	11574	1170	31	347	35.3	21.5	22.4	1.0	16.0	0.7
UDD17281	4487	11574	1170	11	353	47.4	10.8	11.6	0.8	10.8	0.5
UDD17282	4489	11574	1170	14	19	37.9	8.9	9.7	0.8	15.0	0.5
UDD17282	4489	11574	1170	14	19	37.9	14.5	14.9	0.4	19.9	0.2
UDD17282	4489	11574	1170	14	19	37.9	25.0	25.6	0.6	5.8	0.4
UDD17283	4490	11574	1170	34	22	29.2	22.5	23.5	1.0	12.4	0.7
UDD17295	4465	11574	1170	24	177	98.4	0.0	2.6	2.6	19.4	1.8
UDD17296	4465	11574	1169	8	178	116.4			NSI		
UDD17340	4459	11582	1107	62	187	88.8			NSI		
UDD17342	4459	11583	1107	76	172	128.0	11.2	11.9	0.7	11.0	0.5
UDD17342	4459	11583	1107	76	172	128.0	66.3	68.4	2.1	36.9	1.5
UDD17342	4459	11583	1107	76	172	128.0	72.0	74.6	2.6	5.7	1.8
UDD17342	4459	11583	1107	76	172	128.0	94.7	95.3	0.6	8.4	0.4
UDD17342	4459	11583	1107	76	172	128.0	103.2	103.8	0.6	7.7	0.4
UDD17344	4467	11581	1106	68	190	77.0			NSI		
UDD17346	4450	11586	1109	60	198	85.8			NSI		
UDD17348	4450	11586	1109	56	220	87.6			NSI		
UDD17349	4450	11586	1109	65	217	111.3			NSI		
UDD17352	4480	11594	1102	29	320	79.9	2.6	4.5	1.9	9.3	1.3
UDD17352	4480	11594	1102	29	320	79.9	16.5	17.2	0.7	15.9	0.5
UDD17352	4480	11594	1102	29	320	79.9	38.5	39.5	1.0	13.1	0.7
UDD17352	4480	11594	1102	29	320	79.9	74.0	76.2	2.2	6.0	1.5
UDD17352	4480	11594	1102	29	320	79.9			NSI		
UDD17353	4480	11593	1104	51	316	86.0	35.9	36.6	0.8	73.4	0.5
UDD17353	4480	11593	1104	51	316	86.0	56.0	57.0	1.0	8.9	0.7

PLUTONIC SIGNIFICANT INTERSECTIONS - GRADE CONTROL

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD17353	4480	11593	1104	51	316	86.0	64.5	65.2	0.7	7.3	0.5
UDD17353	4480	11593	1104	51	316	86.0			NSI		
UDD17354	4483	11591	1104	59	136	66.0	32.0	33.9	1.9	11.9	1.3
UDD17354	4483	11591	1104	59	136	66.0	38.7	39.4	0.7	5.6	0.5
UDD17354	4483	11591	1104	59	136	66.0	54.6	57.9	3.3	8.2	2.3
UDD17355	4483	11591	1104	49	124	72.5	1.0	5.1	4.1	9.8	2.9
UDD17355	4483	11591	1104	49	124	72.5	31.0	31.5	0.5	11.2	0.4
UDD17356	4483	11591	1104	52	111	70.1	1.0	2.1	1.1	9.2	0.8
UDD17356	4483	11591	1104	52	111	70.1	22.5	23.2	0.7	5.7	0.5
UDD17356	4483	11591	1104	52	111	70.1	24.5	25.5	1.0	5.2	0.7
UDD17357	4484	11592	1103	41	113	79.9	34.9	35.4	0.5	5.8	0.4
UDD17357	4484	11592	1103	41	113	79.9	63.7	64.1	0.4	9.0	0.3
UDD17358	4484	11592	1103	35	94	63.2	22.7	23.1	0.4	6.8	0.3
UDD17358	4484	11592	1103	35	94	63.2	24.2	24.5	0.4	17.4	0.2
UDD17358	4484	11592	1103	35	94	63.2	27.7	28.4	0.8	15.3	0.5
UDD17359	4484	11592	1104	48	95	73.1	19.1	20.6	1.5	12.1	1.1
UDD17359	4484	11592	1104	48	95	73.1	32.9	34.2	1.3	15.5	0.9
UDD17359	4484	11592	1104	48	95	73.1	44.1	44.7	0.6	26.3	0.4
UDD17360	4440	11601	1110	61	241	62.5	6.9	8.1	1.2	12.7	0.8
UDD17361	4475	11584	1106	83	76	47.5	28.5	29.3	0.8	12.1	0.6
UDD17361	4475	11584	1106	83	76	47.5	40.7	41.1	0.4	34.3	0.3
UDD17361	4475	11584	1106	83	76	47.5	43.6	44.7	1.1	34.4	0.7
UDD17362	4475	11583	1106	72	137	59.4	27.0	27.7	0.7	10.3	0.5
UDD17362	4475	11583	1106	72	137	59.4	57.8	58.8	1.0	15.1	0.7
UDD17363	4474	11583	1106	62	139	71.2			NSI		
UDD17364	4475	11583	1106	66	170	72.2			NSI		
UDD17365	4474	11582	1106	51	142	104.1			NSI		
UDD17366	4474	11583	1106	62	171	84.2	24.1	24.5	0.4	5.5	0.3
UDD17368	4475	11583	1105	55	125	101.0	6.6	7.4	0.8	9.0	0.6
UDD17368	4475	11583	1105	55	125	101.0	17.0	17.8	0.8	10.2	0.6
UDD17369	4475	11583	1105	54	139	80.4	9.2	9.6	0.4	46.2	0.3
UDD17384	4507	11572	1191	-48	226	35.5	5.2	6.4	1.3	6.9	0.9
UDD17384	4507	11572	1191	-48	226	35.5	23.6	24.0	0.4	7.5	0.3
UDD17384	4507	11572	1191	-48	226	35.5	26.0	27.7	1.7	7.0	1.2
UDD17385	4507	11572	1191	-23	216	29.5	4.8	5.3	0.6	11.6	0.4
UDD17385	4507	11572	1191	-23	216	29.5	20.5	23.7	3.2	54.4	2.2
UDD17386	4510	11568	1192	-47	203	26.2	4.6	6.8	2.2	6.7	1.5
UDD17387	4522	11569	1168	6	322	35.7	0.0	1.2	1.2	9.9	0.8
UDD17388	4522	11569	1169	28	324	24.0			NSI		
UDD17389	4526	11573	1170	76	353	13.5			NSI		
UDD17391	4532	11557	1170	23	21	26.5	4.7	5.9	1.2	35.8	0.8
UDD17444	4503	11576	1191	0	242	62.4	7.6	8.3	0.7	13.7	0.5
UDD17445	4503	11575	1192	7	234	53.0	5.5	6.5	1.0	11.6	0.7
UDD17445	4503	11575	1192	7	234	53.0	25.8	26.5	0.7	7.7	0.5
UDD17446	4506	11573	1192	1	229	48.5	28.6	29.6	1.0	11.9	0.7
UDD17446	4506	11573	1192	1	229	48.5	39.2	40.6	1.4	8.9	1.0
UDD17447	4503	11576	1191	-18	239	49.6	6.5	6.9	0.4	17.1	0.3
UDD17447	4503	11576	1191	-18	239	49.6	30.1	32.5	2.4	9.6	1.7
UDD17448	4503	11576	1191	-8	248	77.0	7.9	8.3	0.4	7.5	0.3
UDD17448	4503	11576	1191	-8	248	77.0	9.1	9.6	0.5	5.5	0.4
UDD17448	4503	11576	1191	-8	248	77.0	11.5	11.9	0.4	5.1	0.3
UDD17448	4503	11576	1191	-8	248	77.0	28.3	29.1	0.8	8.0	0.6
UDD17448	4503	11576	1191	-8	248	77.0	42.2	43.2	1.0	6.2	0.7
UDD17449A	4502	11577	1191	-10	262	104.5	8.7	10.4	1.7	65.2	1.2
UDD17449A	4502	11577	1191	-10	262	104.5	43.6	50.2	6.7	12.1	4.7
UDD17449A	4502	11577	1191	-10	262	104.5	72.5	74.1	1.6	7.1	1.1
UDD17450	4497	11585	1190	-34	281	83.0	20.9	21.4	0.5	19.5	0.4
UDD17450	4497	11585	1190	-34	281	83.0	33.4	33.9	0.5	5.5	0.4
UDD17450	4497	11585	1190	-34	281	83.0	38.7	39.2	0.5	23.3	0.4
UDD17450	4497	11585	1190	-34	281	83.0	60.5	61.0	0.5	27.0	0.4
UDD17450	4497	11585	1190	-34	281	83.0	64.5	65.0	0.5	13.7	0.4
UDD17451	4503	11576	1191	-16	270	89.7	10.3	11.1	0.8	15.5	0.6
UDD17451	4503	11576	1191	-16	270	89.7	50.2	52.9	2.7	38.9	1.9
UDD17451	4503	11576	1191	-16	270	89.7	56.2	57.6	1.4	9.6	1.0
UDD17452	4503	11576	1191	-14	265	78.8			NSI		
UDD15531	4520	11039	1303	37	67	78.4	47.8	48.4	0.6	7.4	1.4
UDD15531	4520	11039	1303	37	67	78.4	69.2	69.5	0.4	35.5	0.2
UDD15533	4520	11039	1303	33	76	78.0	34.7	35.1	0.5	32.8	0.3
UDD15534	4520	11039	1304	27	83	96.2	61.8	62.4	0.7	6.2	0.5
UDD15536	4520	11039	1304	27	89	99.0	43.9	44.7	0.8	12.4	0.6
UDD15536	4520	11039	1304	27	89	99.0	70.8	72.1	1.3	11.9	0.9
UDD15538	4520	11039	1303	28	68	90.3	83.8	84.2	0.5	7.0	0.3
UDD15539	4520	11039	1304	25	76	90.6	59.1	61.5	2.4	6.5	1.6
UDD15540	4520	11039	1303	24	85	100.0			NSI		
UDD15541	4520	11038	1303	23	90	109.1			NSI		
UDD15800	4544	11081	1242	-69	272	161.7			NSI		
UDD15800	4544	11081	1242	-69	272	161.7			NSI		
UDD15805	4563	11105	1241	-67	3	131.2	7.1	8.1	1.0	5.5	0.7
UDD15805	4563	11105	1241	-67	3	131.2	98.5	99.4	0.9	6.7	0.6
UDD15807	4466	11088	1254	-60	239	188.7			NSI		
UDD16482	4317	10840	1335	87	198	30.6			NSI		
UDD16483	4337	10820	1333	52	215	49.9			NSI		
UDD16484	4330	10827	1334	54	235	51.5	6.0	6.5	0.6	5.8	0.4
UDD16489	4303	10853	1336	70	303	33.0	17.1	18.3	1.2	9.0	0.8
UDD16491	4236	10834	1345	42	155	78.5	66.8	67.2	0.5	20.9	0.3
UDD16494	4236	10834	1345	48	177	63.6	57.4	57.7	0.3	376.0	0.2
UDD16495	4237	10834	1345	51	126	52.0	41.6	42.0	0.5	6.0	0.3
UDD16495	4237	10834	1345	51	126	52.0	48.1	49.1	1.0	16.6	0.7
UDD16497	4239	10836	1346	65	89	45.5	25.8	26.8	1.0	6.0	0.7
UDD16501	4289	10899	1363	32	115	25.9			NSI		
UDD16502	4282	10892	1364	69	126	30.9	16.7	17.9	1.2	18.6	0.8

PLUTONIC SIGNIFICANT INTERSECTIONS - GRADE CONTROL

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD16502	4282	10892	1364	69	126	30.9			NSI		
UDD16503	4287	10899	1364	46	333	26.0			NSI		
UDD16505	4218	10856	1349	45	283	35.0			NSI		
UDD16507	4217	10850	1348	45	283	35.0	10.1	10.5	0.4	7.8	0.3
UDD16507	4217	10850	1348	45	283	35.0	19.2	20.1	0.9	8.3	0.6
UDD16509	4218	10857	1347	25	323	50.2	12.0	12.7	0.7	6.1	0.5
UDD16510	4217	10855	1347	29	288	50.0	24.1	30.2	6.1	8.2	4.2
UDD16510	4217	10855	1347	29	288	50.0	45.2	45.9	0.8	15.3	0.5
UDD16573	4768	11009	1315	39	301	41.3	38.4	39.2	0.9	15.2	0.6
UDD16574	4769	11009	1313	24	307	41.2	13.6	13.9	0.4	17.3	0.2
UDD16575	4770	11009	1314	32	316	43.2	31.9	32.2	0.3	6.0	0.2
UDD16575	4770	11009	1314	32	316	43.2	35.0	36.0	1.0	5.5	0.7
UDD16576	4772	11008	1315	53	328	39.0	28.1	28.4	0.3	9.1	0.2
UDD16577	4771	11009	1313	15	343	32.3	22.9	26.3	3.4	6.3	2.3
UDD16578	4772	11009	1315	49	24	24.8	16.4	17.0	0.6	6.2	0.4
UDD16578	4772	11009	1315	49	24	24.8	18.2	18.8	0.6	9.7	0.4
UDD16578	4772	11009	1315	49	24	24.8	23.3	23.6	0.3	5.4	0.2
UDD16579	4772	11008	1315	62	126	39.9			NSI		
UDD16581	4771	10986	1311	34	340	26.1	20.8	21.3	0.5	8.6	0.3
UDD16669	4505	11219	1244	38	100	38.0	14.7	15.3	0.6	15.0	0.4
UDD16669	4505	11219	1244	38	100	38.0	27.0	27.6	0.6	11.9	0.4
UDD16670	4498	11209	1247	57	86	48.3	20.1	21.3	1.2	7.5	0.8
UDD16671	4499	11209	1245	32	114	51.5	29.6	30.2	0.6	5.7	0.4
UDD16672	4494	11208	1247	66	339	23.2			NSI		
UDD16673	4607	11133	1243	-7	5	72.4	16.8	17.8	1.0	5.6	0.7
UDD16673	4607	11133	1243	-7	5	72.4	22.0	23.0	1.0	9.1	0.7
UDD16673	4607	11133	1243	-7	5	72.4	27.0	28.3	1.3	5.9	0.9
UDD16674	4604	11131	1242	-23	6	83.1	9.9	12.7	2.8	6.8	2.0
UDD16674	4604	11131	1242	-23	6	83.1	25.0	25.8	0.8	9.3	0.5
UDD16675	4615	11140	1244	6	7	65.1	3.1	4.4	1.3	8.0	0.9
UDD16675	4615	11140	1244	6	7	65.1	15.2	16.1	0.9	5.8	0.6
UDD16799	4776	11574	1229	-13	203	137.6			NSI		
UDD16809	4464	10970	1304	46	106	27.0	19.2	21.7	2.5	12.4	1.8
UDD16810	4464	10971	1305	72	96	26.0			NSI		
UDD16819	4600	10979	1316	89	102	43.0			NSI		
UDD16820	4600	10983	1314	22	44	71.0	22.5	23.7	1.2	6.7	0.8
UDD16820	4600	10983	1314	22	44	71.0			NSI		
UDD16822	4617	10976	1313	19	96	23.1			NSI		
UDD16822A	4617	10976	1313	19	97	95.0	33.6	36.1	2.6	5.5	1.8
UDD16822A	4617	10976	1313	19	97	95.0	56.7	57.2	0.5	5.5	0.3
UDD16823	4617	10978	1313	22	41	58.4	49.5	50.0	0.6	7.4	0.4
UDD16824	4608	10964	1313	19	134	30.0			NSI		
UDD16825	4617	10978	1313	7	60	68.1	26.7	27.0	0.3	6.2	0.2
UDD16825	4617	10978	1313	7	60	68.1	32.7	33.4	0.7	7.6	0.5
UDD16825	4617	10978	1313	7	60	68.1	44.9	48.9	4.0	7.3	2.8
UDD16826	4617	10978	1313	20	75	70.0			NSI		
UDD16827	4616	10976	1315	43	100	105.0			NSI		
UDD16828	4618	10978	1314	36	63	60.0	18.5	18.8	0.4	14.8	0.2
UDD16828	4618	10978	1314	36	63	60.0	51.7	52.3	0.6	6.5	0.4
UDD16833	4258	10977	1273	-88	61	11.0			NSI		
UDD16833A	4258	10977	1273	-89	61	11.0			NSI		
UDD16834	4266	10974	1273	-88	33	12.0			NSI		
UDD16835	4189	10967	1291	90	111	26.0	3.3	3.7	0.5	5.5	0.3
UDD16836	4187	10965	1291	56	205	37.0	15.0	16.0	1.0	18.2	0.7
UDD16836	4187	10965	1291	56	205	37.0	19.8	23.3	3.5	6.4	2.5
UDD16837	4241	10962	1289	72	22	20.0	10.3	11.4	1.1	8.6	0.7
UDD16838	4237	10968	1288	52	348	27.5	4.3	4.9	0.6	15.0	0.4
UDD16838	4237	10968	1288	52	348	27.5	17.0	18.0	1.0	107.0	0.7
UDD16839	4232	10960	1290	78	27	34.0	0.0	0.7	0.7	14.1	0.5
UDD16840	4246	10955	1289	81	94	35.1	14.5	15.4	0.9	7.8	0.6
UDD16841	4216	10962	1285	-60	212	26.0			NSI		
UDD16842	4217	10962	1285	-69	174	27.0			NSI		
UDD16843	4235	10963	1284	-63	217	27.5	0.0	1.0	1.0	5.2	0.7
UDD16843	4235	10963	1284	-63	217	27.5	3.8	4.3	0.5	8.3	0.4
UDD16844	4241	10968	1283	-65	197	35.0	3.2	3.9	0.7	5.1	0.5
UDD16845	4246	10979	1273	0	205	10.0			NSI		
UDD16846	4247	10979	1275	37	206	11.0			NSI		
UDD16848	4270	10971	1276	19	204	27.6			NSI		
UDD16849	4269	10971	1275	-5	205	25.4			NSI		
UDD16851	4224	10963	1290	67	25	23.1			NSI		
UDD16852	4244	10959	1287	38	46	32.1	0.5	1.2	0.7	12.5	0.5
UDD16853	4265	10972	1273	-35	206	27.0			NSI		
UDD16891	4756	10943	1342	9	217	236.2	186.6	187.6	1.0	21.5	0.7
UDD16892	4756	10943	1342	-2	213	164.9	81.6	82.4	0.8	7.6	0.6
UDD16895	4756	10944	1341	-22	235	7.6			NSI		
UDD16895A	4756	10943	1341	-21	238	128.8	16.4	16.9	0.5	5.5	0.4
UDD16895A	4756	10943	1341	-21	238	128.8	52.6	53.9	1.3	6.0	0.9
UDD16895A	4756	10943	1341	-21	238	128.8	87.6	88.2	0.7	8.8	0.5
UDD16896	4756	10943	1342	-2	235	164.7	17.0	17.4	0.4	7.7	0.3
UDD16896	4756	10943	1342	-2	235	164.7	67.5	68.1	0.6	5.9	0.4
UDD16896	4756	10943	1342	-2	235	164.7	148.4	149.2	0.8	8.9	0.5
UDD16902	4441	11128	1254	12	243	27.0			NSI		
UDD16903	4445	11126	1254	12	209	32.2	23.1	24.3	1.3	9.8	0.9
UDD16904	4442	11128	1253	-51	212	16.0			NSI		
UDD16905	4449	11124	1253	-60	178	15.7	6.7	7.3	0.7	7.6	0.5
UDD16906	4455	11110	1252	-55	238	8.2			NSI		
UDD16907	4467	11128	1250	-12	141	50.1			NSI		
UDD16908	4467	11121	1251	-22	157	36.5			NSI		
UDD16909	4466	11119	1251	-60	166	20.0			NSI		
UDD16910	4462	11111	1252	-60	195	27.7	4.2	4.7	0.6	23.6	0.4
UDD16911	4462	11120	1251	-59	223	17.2	7.4	7.8	0.5	17.2	0.3

PLUTONIC SIGNIFICANT INTERSECTIONS - GRADE CONTROL

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD16911	4462	11120	1251	-59	223	17.2	11.1	11.7	0.6	12.0	0.4
UDD16925	4442	11128	1253	-24	248	21.7			NSI		
UDD17050	4167	11068	1367	37	213	83.0			NSI		
UDD17051	4167	11068	1369	45	215	97.8			NSI		
UDD17052	4167	11068	1367	44	223	82.8			NSI		
UDD17053A	4167	11068	1368	39	232	72.7			NSI		
UDD17116	4892	10861	1392	37	340	49.9	0.0	0.9	0.9	6.1	0.6
UDD17116	4892	10861	1392	37	340	49.9	41.4	41.9	0.5	5.9	0.4
UDD17117	4893	10860	1394	56	50	37.0	0.0	0.3	0.3	6.5	0.2
UDD17117	4893	10860	1394	56	50	37.0	6.0	7.0	1.0	6.6	0.7
UDD17117	4893	10860	1394	56	50	37.0	19.9	22.3	2.4	8.5	1.7
UDD17118	4904	10859	1395	46	140	34.6	27.7	28.7	1.0	14.3	0.7
UDD17119A	4905	10859	1392	35	115	50.0			NSI		
UDD17120	4890	10861	1393	50	339	46.0	16.2	16.7	0.5	10.0	0.4
UDD17120	4890	10861	1393	50	339	46.0	42.3	43.5	1.2	6.7	0.8
UDD17121	4890	10860	1394	74	9	29.7	3.6	4.2	0.7	7.0	0.5
UDD17121	4890	10860	1394	74	9	29.7	26.8	27.2	0.4	15.2	0.3
UDD17122	4891	10859	1395	72	97	33.7	22.0	24.6	2.6	5.3	1.8
UDD17122A	4891	10859	1395	72	98	29.1	4.0	5.0	1.0	6.3	0.7
UDD17122A	4891	10859	1395	72	98	29.1	21.9	22.5	0.6	6.3	0.4
UDD17123	4903	10858	1394	41	102	37.1			NSI		
UDD17124	4899	10859	1395	61	135	31.3	11.2	11.6	0.4	5.4	0.2
UDD17124	4899	10859	1395	61	135	31.3	28.0	28.4	0.4	9.5	0.3
UDD17125	4903	10860	1395	67	85	36.6	4.1	4.6	0.5	8.4	0.3
UDD17125	4903	10860	1395	67	85	36.6	10.9	11.2	0.3	15.0	0.2
UDD17128	4899	10899	1398	-77	212	12.0	8.5	9.1	0.6	10.6	0.4
UDD17129	4893	10902	1399	-46	318	16.9	1.1	1.7	0.6	16.0	0.4
UDD17130	4907	10896	1399	-10	220	27.3	6.4	7.3	0.9	8.5	0.6
UDD17130	4907	10896	1399	-10	220	27.3			NSI		
UDD17187	4798	11042	1296	-36	287	36.0	25.4	26.9	1.5	13.5	1.1
UDD17187	4798	11042	1296	-36	287	36.0	29.6	33.6	4.0	12.6	2.8
UDD17187	4798	11042	1296	-36	287	36.0			NSI		
UDD17188	4798	11042	1296	-31	234	20.7	4.5	4.9	0.4	12.9	0.3
UDD17188	4798	11042	1296	-31	234	20.7	18.2	18.9	0.7	8.0	0.5
UDD17192	4254	11009	1256	13	252	47.2	40.7	41.1	0.4	19.7	0.3
UDD17194	4255	11009	1256	-7	251	32.1			NSI		
UDD17195	4255	11009	1256	15	240	38.0			NSI		
UDD17196	4255	11009	1256	0	243	29.2			NSI		
UDD17197	4255	11009	1256	-8	235	26.3			NSI		
UDD17212	4616	10975	1312	-12	123	20.2			NSI		
UDD17213	4615	10974	1313	3	155	18.7			NSI		
UDD17214	4616	10975	1311	-33	117	11.1			NSI		
UDD17215	4613	10977	1311	-80	307	6.7			NSI		
UDD17216	4614	10979	1311	-24	318	39.4	0.0	1.0	1.0	26.3	0.7
UDD17216	4614	10979	1311	-24	318	39.4	22.6	25.1	2.5	11.7	1.8
UDD17217	4601	10981	1312	-46	54	14.1			NSI		
UDD17218	4598	10982	1312	-57	341	9.7	2.3	2.8	0.5	8.0	0.3
UDD17219	4602	10961	1316	51	38	19.9	5.3	5.8	0.5	11.7	0.4
UDD17220	4600	10964	1316	62	22	20.2	11.3	12.4	1.1	16.4	0.8
UDD17221	4600	10965	1316	41	17	16.9	2.8	3.2	0.4	7.3	0.2
UDD17222	4600	10965	1314	36	350	20.1	11.8	14.7	2.9	38.2	2.0
UDD17223	4601	10965	1315	50	338	23.9			NSI		
UDD17223A	4601	10965	1315	51	337	24.6	14.9	18.3	3.5	14.6	2.4
UDD17227	4544	11148	1243	4	26	98.3	33.2	34.8	1.6	13.0	1.1
UDD17227	4544	11148	1243	4	26	98.3	50.9	51.5	0.6	7.8	0.4
UDD17228	4543	11148	1244	24	27	120.7	58.5	59.2	0.7	16.5	0.5
UDD17228	4543	11148	1244	24	27	120.7	58.5	59.2	0.7	16.5	0.5
UDD17229	4543	11148	1243	13	21	71.2	16.3	16.8	0.6	6.5	0.4
UDD17229	4543	11148	1243	13	21	71.2	48.2	48.8	0.6	5.9	0.4
UDD17230	4543	11148	1242	-29	46	86.4	3.9	5.4	1.5	8.2	1.1
UDD17230	4543	11148	1242	-29	46	86.4	7.8	8.2	0.4	11.1	0.2
UDD17231	4543	11148	1244	18	37	93.8	31.2	31.7	0.5	9.6	0.4
UDD17231	4543	11148	1244	18	37	93.8	35.7	36.2	0.5	6.5	0.4
UDD17232	4543	11148	1243	-18	31	95.3	0.0	0.6	0.6	8.8	0.4
UDD17232	4543	11148	1243	-18	31	95.3	1.6	2.6	1.0	6.1	0.7
UDD17233	4513	11240	1242	15	13	80.8	18.6	19.0	0.4	24.2	0.3
UDD17234	4569	11135	1243	17	39	95.2	22.7	23.0	0.3	16.7	0.2
UDD17234	4569	11135	1243	17	39	95.2	58.9	59.6	0.7	8.6	0.5
UDD17235	4569	11135	1243	10	53	92.0	12.4	13.5	1.1	8.7	0.8
UDD17235	4569	11135	1243	10	53	92.0	25.5	26.0	0.5	9.2	0.4
UDD17236	4543	11148	1243	-8	38	86.2	1.1	1.5	0.4	18.1	0.3
UDD17236	4543	11148	1243	-8	38	86.2	5.0	5.4	0.4	6.0	0.2
UDD17236	4543	11148	1243	-8	38	86.2	56.7	57.2	0.6	8.1	0.4
UDD17237	4543	11148	1243	9	16	128.0	18.7	19.2	0.5	9.5	0.4
UDD17237	4543	11148	1243	9	16	128.0	21.2	22.5	1.3	6.9	0.9
UDD17237	4543	11148	1243	9	16	128.0	55.3	55.7	0.4	6.1	0.3
UDD17237	4543	11148	1243	9	16	128.0	89.4	90.1	0.7	5.5	0.5
UDD17326	4616	10979	1312	-5	44	32.1			NSI		
UDD17327	4616	10979	1312	-5	52	31.9			NSI		
UDD17328	4616	10979	1312	-5	36	29.2			NSI		
UDD17329	4616	10979	1312	-6	61	40.0			NSI		
UDD17330	4427	10950	1306	15	347	74.0	63.9	66.0	2.1	25.4	1.5
UDD17331	4451	10968	1304	35	120	36.9	21.4	22.4	1.0	11.7	0.7
UDD17332	4428	10950	1305	10	121	64.9	51.8	52.8	1.0	11.8	0.7
UDD17332	4428	10950	1305	10	121	64.9	60.6	61.7	1.1	10.3	0.8
UDD16939	4034	11406	1044	1	234	166.6	10.2	10.7	0.5	6.3	0.4
UDD16939	4034	11406	1044	1	234	166.6	98.4	99.3	1.0	6.5	0.7
UDD16940	4031	11410	1044	-23	240	115.6	27.4	28.4	1.0	19.1	0.7
UDD16940	4032	11409	1043	-23	240	115.6	96.0	96.5	0.5	5.2	0.4
UDD16941	4027	11414	1042	-33	248	96.6	8.0	9.0	1.0	26.7	0.7
UDD16941	4027	11414	1042	-33	248	96.6	78.7	79.3	0.6	10.9	0.4

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Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD16943	4069	11365	1031	-25	203	31.0			NSI		
UDD16944	4051	11398	1036	-35	151	46.8	31.7	33.5	1.8	40.0	1.3
UDD16945	4035	11405	1043	1	229	158.7	39.0	39.5	0.5	45.6	0.4
UDD16945	4035	11405	1043	1	229	158.7	62.6	63.0	0.4	121.0	0.3
UDD16945	4034	11406	1044	1	229	158.7	147.8	149.6	1.8	31.9	1.3
UDD16946	4031	11410	1043	-42	248	78.6	21.5	22.1	0.6	98.4	0.4
UDD16946	4031	11410	1043	-42	248	78.6	44.2	45.2	1.0	7.4	0.7
UDD16947	4028	11420	1042	-75	246	69.3	0.0	0.8	0.8	7.1	0.6
UDD16947	4028	11420	1042	-75	246	69.3	12.0	12.5	0.5	15.0	0.4
UDD16947	4028	11420	1042	-75	246	69.3	14.6	14.9	0.3	7.1	0.2
UDD16947	4028	11420	1042	-75	246	69.3	30.2	34.5	4.3	8.0	3.0
UDD16947	4028	11420	1042	-75	246	69.3	51.1	51.4	0.4	5.8	0.2
UDD17084	4127	11549	1059	-63	234	110.5			NSI		
UDD17085	4127	11549	1059	-68	248	107.0	87.6	88.6	1.0	45.0	0.7
UDD17086	4159	11534	1063	-67	226	116.0			NSI		
UDD17087	4126	11549	1059	-64	209	123.2			NSI		
UDD17088	4159	11533	1063	-75	279	98.3			NSI		
UDD17090	4126	11550	1059	-65	265	122.2	97.6	100.0	2.4	54.0	1.7
UDD17090	4126	11550	1059	-65	265	122.2	103.8	104.1	0.4	24.9	0.2
UDD17091	4159	11533	1063	-69	251	108.5	80.4	81.4	1.0	5.1	0.7
UDD17092	4159	11533	1063	-82	255	90.7			NSI		
UDD17093	4125	11548	1060	-53	226	144.0	101.3	102.1	0.8	14.1	0.6
UDD17109	4444	11262	1252	-31	322	128.4	57.2	58.7	1.5	5.8	1.1
UDD17109	4444	11262	1252	-31	322	128.4	84.5	86.2	1.7	17.2	1.2
UDD17131	4156	11005	1400	52	150	49.4	12.1	12.9	0.9	16.5	0.6
UDD17135	4156	11007	1401	70	298	28.9	6.7	7.3	0.6	6.7	0.4
UDD17136	4155	11008	1400	50	286	24.0			NSI		
UDD17139	4155	11005	1401	60	162	48.7	9.6	10.2	0.6	7.6	0.4
UDD17139	4155	11005	1401	60	162	48.7	13.4	13.9	0.5	13.4	0.4
UDD17140	4158	11011	1400	40	323	20.1			NSI		
UDD17168	4158	11011	1399	28	305	32.0	16.5	18.4	1.9	19.1	1.3
UDD17334A	4163	11089	1201	-38	262	68.1			NSI		
UDD17335	4166	11048	1204	-69	314	68.1	20.8	22.8	2.0	16.0	1.4
UDD17336	4166	11048	1204	-45	292	82.9	25.5	26.5	1.0	5.5	0.7
UDD17336	4166	11048	1204	-45	292	82.9	28.3	28.8	0.5	10.3	0.4
UDD17337	4166	11048	1204	-48	268	90.1	23.2	25.0	1.8	14.7	1.3
UDD17338	4166	11044	1204	-73	241	41.2	15.0	15.7	0.7	7.8	0.5
UDD17339	4168	11045	1204	-83	141	32.1	15.2	16.1	0.9	18.4	0.6
UDD16917	5022	12964	1181	28	51	163.9	18.8	19.1	0.3	6.0	0.2
UDD16922	5023	12962	1181	38	88	126.7	12.0	15.0	3.0	11.9	2.1
UDD16922	5023	12962	1181	38	88	126.7	30.1	30.5	0.5	5.4	0.3
UDD16922	5023	12962	1181	38	88	126.7	49.6	50.6	1.0	5.8	0.7
UDD16922	5023	12962	1181	38	88	126.7	51.6	52.6	1.0	6.2	0.7
UDD16922	5023	12962	1181	38	88	126.7	61.9	62.3	0.4	5.2	0.3
UDD16922	5023	12962	1181	38	88	126.7	67.8	68.3	0.5	5.9	0.3
UDD16922	5023	12962	1181	38	88	126.7	83.9	84.3	0.4	8.5	0.2
UDD16959	5080	13157	1177	-24	93	116.2	86.7	87.7	1.0	9.7	0.7
UDD16960	5079	13155	1178	17	115	92.3	24.5	26.1	1.7	7.2	1.2
UDD16961	5079	13155	1176	-39	116	77.3			NSI		
UDD16962	5072	13146	1177	-50	144	65.4			NSI		
UDD16963	5071	13146	1178	5	147	123.9	41.2	44.2	3.0	8.3	2.1
UDD16964	5071	13146	1179	15	158	112.3	29.3	30.3	1.0	13.3	0.7
UDD16964	5071	13146	1179	15	158	112.3	81.5	82.3	0.8	13.4	0.6
UDD16964	5071	13146	1179	15	158	112.3	93.1	94.1	1.0	9.0	0.7
UDD16964	5071	13146	1179	15	158	112.3	104.9	105.2	0.3	5.8	0.2
UDD16965	5071	13146	1178	7	158	109.2	48.8	49.6	0.8	7.3	0.6
UDD16966	5071	13146	1178	-5	157	105.4	27.6	27.9	0.3	5.5	0.2
UDD16966	5071	13146	1178	-5	158	105.4	27.6	27.9	0.3	5.5	0.2
UDD16967	5072	13146	1177	-56	166	63.3			NSI		
UDD16968	5071	13146	1179	19	168	98.9	10.9	11.6	0.7	19.4	0.5
UDD16968	5071	13146	1179	19	168	98.9	23.8	26.0	2.2	13.5	1.5
UDD16968	5071	13146	1179	19	168	98.9	23.8	26.0	2.2	13.5	1.5
UDD16969	5071	13146	1178	8	168	89.9	37.3	49.4	12.1	13.9	8.5
UDD16970	5071	13146	1178	-1	169	96.0			NSI		
UDD16971	5071	13146	1178	-26	178	57.4			NSI		
UDD16972	5071	13149	1177	-51	191	59.1			NSI		
UDD16973	5058	13133	1177	-45	184	59.3			NSI		
UDD16974	5039	13110	1179	-58	205	46.6	11.7	12.4	0.7	6.4	0.5
UDD16974	5039	13110	1179	-58	205	46.6	21.7	22.4	0.7	15.5	0.5
UDD16974	5039	13110	1179	-58	205	46.6			NSI		
UDD16977	5071	13146	1178	9	134	144.3	32.8	33.5	0.7	7.0	0.5
UDD16977	5071	13146	1178	9	134	144.3	43.0	44.0	1.0	8.7	0.7
UDD16977	5071	13146	1178	9	134	144.3	129.5	132.1	2.6	7.5	1.8
UDD16978	5071	13146	1178	-1	135	144.0			NSI		
UDD16979	5071	13146	1178	-15	135	138.0			NSI		
UDD16980	5071	13146	1179	15	145	177.0	13.3	13.7	0.4	17.5	0.3
UDD16981	5071	13146	1178	-8	145	106.0			NSI		
UDD17298	4950	13051	1193	54	9	33.6	19.2	20.1	0.9	9.2	0.6
UDD17298	4950	13051	1193	54	9	33.6	21.7	22.1	0.5	7.1	0.3
UDD17299	4949	13050	1194	79	316	29.3			NSI		
UDD17300	4955	13049	1192	45	89	34.3			NSI		
UDD17301	4952	13050	1193	71	51	35.5	8.9	9.4	0.5	14.1	0.3
UDD17301	4952	13050	1193	71	51	35.5	20.9	21.6	0.7	5.7	0.5
UDD17301	4952	13050	1193	71	51	35.5	24.1	24.7	0.6	8.1	0.4
UDD17304	4956	13066	1178	58	34	38.1	25.7	26.7	1.0	6.3	0.7
UDD17304	4956	13066	1178	58	34	38.1			NSI		
UDD17305	4955	13100	1174	62	32	47.0	30.1	30.6	0.5	9.8	0.4
UDD17306	4980	13056	1179	-6	5	44.1	23.5	24.9	1.4	13.4	0.9
UDD17306	4980	13056	1179	-6	5	44.1	29.4	29.9	0.6	5.9	0.4
UDD17306	4980	13056	1179	-6	5	44.1	33.5	34.8	1.3	11.4	0.9
UDD17306	4980	13056	1179	-6	5	44.1	38.9	41.3	2.4	10.0	1.7

PLUTONIC SIGNIFICANT INTERSECTIONS - GRADE CONTROL

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD17307	4975	13122	1170	64	60	23.0	14.8	15.8	1.0	6.3	0.7
UDD17308	4965	13115	1171	67	17	29.1			NSI		
UDD17311	4986	13059	1182	68	20	25.9	2.2	2.7	0.5	6.6	0.4
UDD17311	4986	13059	1182	68	20	25.9	3.3	3.8	0.5	7.5	0.4
UDD17311	4986	13059	1182	68	20	25.9	5.5	6.5	1.0	7.0	0.7
UDD17311	4986	13059	1182	68	20	25.9	10.6	11.3	0.7	10.9	0.5
UDD17311	4986	13059	1182	68	20	25.9	14.3	18.6	4.3	5.6	3.0
UDD17312	4957	13065	1176	7	32	66.4	6.1	7.1	1.0	7.1	0.7
UDD17312	4957	13065	1176	7	32	66.4	19.8	20.5	0.7	15.1	0.5
UDD17312	4957	13065	1176	7	32	66.4	27.2	28.2	1.0	6.5	0.7
UDD17312	4957	13065	1176	7	32	66.4	58.6	59.6	1.0	11.9	0.7
UDD17312	4957	13065	1176	7	32	66.4			NSI		
UDD17313	4977	13053	1182	62	20	31.9	7.7	9.3	1.6	20.8	1.1
UDD17313	4977	13053	1182	62	20	31.9	13.1	14.1	1.0	12.4	0.7
UDD17313	4977	13053	1182	62	20	31.9	18.1	18.6	0.5	17.5	0.4
UDD17314	4957	13098	1172	35	99	54.5			NSI		

PLUTONIC SIGNIFICANT INTERSECTIONS - RESOURCE DEFINITION AND EXTENSION

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD15245	3607	11931	899	-78	56	287.9	248.35	249.00	0.65	6.7	0.6
UDD15245	3607	11931	899	-78	56	287.9	258.30	259.30	1.00	19.7	1.0
UDD15245	3607	11931	899	-78	56	287.9	262.80	263.15	0.35	5.3	0.3
UDD15245	3607	11931	899	-78	56	287.9	265.00	265.95	0.95	9.9	0.9
UDD15246	3607	11931	899	-73	70	267.1			NSI		
UDD15248B	3607	11931	899	-74	278	377.5	322.00	325.00	3.00	8.9	1.9
UDD15248B	3607	11931	899	-74	278	377.5	351.40	352.20	0.80	5.5	0.5
UDD15248B	3607	11931	899	-74	278	377.5	354.90	357.40	2.50	7.8	1.6
UDD15249	3604	11928	899	-60	226	332.9	103.40	104.00	0.60	11.2	0.6
UDD15253	3609	11923	898	-59	183	273.0	211.90	212.55	0.65	5.8	0.6
UDD15253	3609	11923	898	-59	183	273.0	243.45	244.00	0.55	9.4	0.5
UDD15254	3609	11924	898	-66	178	270.0	231.15	231.70	0.55	10.8	0.5
UDD15254	3609	11924	898	-66	178	270.0	237.60	239.00	1.40	5.3	1.3
UDD15254	3609	11924	898	-66	178	270.0	241.25	241.60	0.35	6.6	0.3
UDD15255	3609	11924	898	-69	195	279.0			NSI		
UDD15258	3604	11929	899	-65	226	308.7			NSI		
UDD15260	3604	11929	899	-69	235	295.8	282.60	284.20	1.60	18.5	1.2
UDD15261	3604	11929	899	-72	237	310.8			NSI		
UDD15262	3604	11929	899	-66	246	311.0			NSI		
UDD16178	3607	11931	899	-70	7	164.0			NSI		
UDD15255	3609	11924	898	-67	198	278.8			NSI		
UDD15258	3604	11929	899	-64	225	308.7			NSI		
UDD16175	3574	11966	900	-68	185	596.8	432.05	432.80	0.75	5.5	0.5
UDD16176	3574	11966	900	-74	249	500.2	360.95	361.25	0.30	5.6	0.2
UDD16177	3607	11931	899	-69	40	504.0	293.40	299.15	5.75	5.3	2.2
UDD16739	4549	11680	1252	-38	146	196.7	167.0	168.0	1.0	6.6	0.7
UDD16740	4548	11681	1252	-40	138	290.7	157.9	158.6	0.8	10.5	0.5
UDD16741	4549	11680	1253	-25	148	247.6			NSI		
UDD16742	4548	11681	1252	-33	149	211.7	174.7	175.8	1.1	5.7	0.7
UDD16742	4548	11681	1252	-33	149	211.7	179.3	180.4	1.1	5.5	0.8
UDD16743	4549	11680	1252	-28	152	254.7	184.8	186.5	1.7	12.1	1.2
UDD16743	4549	11680	1252	-28	152	254.7	207.8	208.1	0.3	12.0	0.2
UDD16744	4548	11681	1252	-58	155	188.3	153.4	155.9	2.5	6.3	1.8
UDD16745	4548	11681	1252	-27	177	220.3	140.9	141.4	0.5	6.7	0.3
UDD16745	4548	11681	1252	-27	177	220.3	172.3	173.1	0.8	7.7	0.5
UDD16746	11681	42191	1253	-49	183	239.7	168.0	168.3	0.3	6.0	0.2
UDD16746	11681	42191	1253	-49	183	239.7	170.8	171.4	0.6	32.0	0.4
UDD16747	4548	11681	1253	-31	164	236.0	179.3	180.4	1.1	6.7	0.7
UDD16748	4548	11681	1253	-48	162	245.4			NSI		
UDD16750	4548	11681	1252	-28	170	224.6	178.7	181.1	2.4	5.4	1.7
UDD16750	4548	11681	1252	-28	170	224.6	188.8	189.3	0.5	5.6	0.4
UDD16755	11681	42195	1252	-31	182	170.5	148.5	152.2	3.7	13.4	2.6
UDD16755A	4548	11680	1252	-30	181	176.7	133.4	133.9	0.5	5.7	0.4
UDD16755A	4548	11680	1252	-30	181	176.7	138.7	139.0	0.3	14.9	0.2
UDD16755A	4548	11680	1252	-30	181	176.7	150.8	152.0	1.2	6.1	0.8
UDD16755A	4548	11680	1252	-30	181	176.7	171.9	172.6	0.7	8.6	0.5
UDD16756	11680	42193	1252	-40	184	220.8	127.9	128.3	0.5	14.0	0.3
UDD16756	11680	42193	1252	-40	184	220.8	184.8	185.6	0.8	9.7	0.6
UDD16757	11680	42197	1252	-57	197	170.7	170.1	170.4	0.3	5.7	0.2
UDD16758	11681	42198	1253	-22	189	160.9	145.4	145.7	0.3	5.1	0.2
UDD16759	11681	42196	1252	-33	192	209.0	137.5	137.9	0.4	9.3	0.3
UDD16759	11681	42196	1252	-33	192	209.0	144.3	144.7	0.5	8.5	0.3
UDD16760	4548	11681	1252	-49	198	247.7	168.4	168.9	0.6	8.5	0.4
UDD16760	4548	11681	1252	-49	198	247.7	171.6	172.0	0.5	7.0	0.3
UDD16760	4548	11681	1252	-49	198	247.7	172.9	173.3	0.4	10.1	0.3
UDD16760	4548	11681	1252	-49	198	247.7	189.7	190.3	0.7	34.6	0.5
UDD15803	4561	11102	1241	-29	287	341.3	3.0	3.5	0.5	7.5	0.4
UDD15803	4561	11102	1241	-29	287	341.3	75.7	76.7	1.0	7.8	0.7
UDD15803	4562	11101	1242	-29	287	341.3			NSI		
UDD15806	4563	11105	1241	-68	49	134.7	30.5	31.0	0.5	6.6	0.4
UDD16026	4447	11231	1250	-65	258	182.9	45.8	48.2	2.5	12.4	1.7
UDD16026	4447	11231	1250	-65	258	182.9	58.5	61.0	2.5	13.3	1.7
UDD16026	4447	11231	1250	-65	258	182.9	129.1	129.9	0.9	6.7	0.6
UDD16027	4447	11231	1250	-67	290	186.6	40.8	41.3	0.5	5.2	0.3
UDD16027	4447	11231	1250	-67	290	186.6	47.8	48.8	1.0	11.4	0.7
UDD16031	4448	11243	1250	-82	4	142.2	29.0	29.3	0.4	5.4	0.2
UDD16031	4448	11243	1250	-82	4	142.2	41.3	41.9	0.7	16.6	0.5
UDD16031	4448	11243	1250	-82	4	142.2	56.9	57.4	0.5	6.0	0.4

PLUTONIC SIGNIFICANT INTERSECTIONS - RESOURCE DEFINITION AND EXTENSION

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD16036	4448	11244	1251	-69	354	142.1	11.8	12.2	0.4	7.3	0.2
UDD16036	4448	11244	1251	-69	354	142.1	40.7	41.3	0.7	8.9	0.5
UDD16044	4452	11232	1251	-18	56	103.1	68.6	69.0	0.4	8.7	0.3
UDD16854	4243	10837	1344	41	204	90.0			NSI		
UDD16855	4243	10837	1344	59	207	69.6	51.3	51.8	0.5	44.6	0.3
UDD16855	4243	10837	1344	59	207	69.6			NSI		
UDD16856A	4243	10838	1345	57	170	62.0	47.5	47.9	0.4	32.4	0.2
UDD16857	4218	10844	1347	40	241	71.2	62.0	63.5	1.5	10.1	1.1
UDD16858	4216	10849	1346	21	291	56.1			NSI		
UDD16859	4216	10847	1347	27	269	63.9			NSI		
UDD16861	4217	10846	1347	38	264	65.0	19.5	19.8	0.3	18.9	0.2
UDD16861	4217	10846	1347	38	264	65.0	26.0	26.3	0.3	9.8	0.2
UDD16861	4217	10846	1347	38	264	65.0	28.3	29.7	1.4	5.5	1.0
UDD16861	4217	10846	1347	38	264	65.0	31.4	31.7	0.3	6.8	0.2
UDD16861	4217	10846	1347	38	264	65.0	57.0	58.0	1.0	7.9	0.7
UDD16862	4220	10841	1345	27	235	102.7			NSI		
UDD16863	4221	10841	1348	46	233	50.0	11.7	12.5	0.8	20.4	0.6
UDD16863	4221	10841	1348	46	233	50.0	33.5	34.3	0.8	8.5	0.5
UDD16864	4224	10839	1346	51	224	71.1	19.0	19.5	0.5	19.7	0.4
UDD16864	4224	10839	1346	51	224	71.1	52.2	53.4	1.3	11.0	0.9
UDD16865	4223	10838	1346	34	226	116.3	16.7	17.3	0.6	3526.1	0.4
UDD16865	4223	10838	1346	34	226	116.3	36.9	37.2	0.3	6.1	0.2
UDD16866	4223	10838	1345	31	212	112.8	18.6	19.1	0.5	37.2	0.4
UDD16866	4223	10838	1345	31	212	112.8	22.1	23.1	1.0	40.9	0.7
UDD16866	4223	10838	1345	31	212	112.8	26.9	30.0	3.1	20.4	2.2
UDD16867	4243	10837	1343	37	192	103.0			NSI		
UDD16868	4243	10837	1343	38	172	101.1			NSI		
UDD16869	4243	10837	1343	25	196	152.0	89.6	90.6	1.0	5.5	0.7
UDD16870	4243	10837	1343	35	151	14.2			NSI		
UDD16870A	4243	10837	1343	36	153	104.2	74.0	75.2	1.3	14.2	0.9
UDD16871	4243	10837	1343	33	167	125.2			NSI		
UDD16872	4243	10837	1343	23	181	53.0			NSI		
UDD16872A	4243	10837	1343	23	183	137.0			NSI		
UDD16873	4243	10837	1343	36	179	127.5			NSI		
UDD16893	4756	10943	1341	-20	208	140.7			NSI		
UDD16894	4757	10943	1341	-48	201	171.2			NSI		
UDD16897	4775	10939	1339	1	201	179.7			NSI		
UDD16898	4776	10939	1339	-15	199	181.8			NSI		
UDD16899	4776	10939	1338	-36	186	198.1			NSI		
UDD16900	4776	10939	1340	9	195	208.0			NSI		
UDD16901	4775	10939	1339	0	190	206.5			NSI		
UDD17191	4254	11009	1256	6	261	48.7	37.0	42.0	5.0	8.9	3.5
UDD17224	4393	11066	1287	10	48	38.1	22.2	23.7	1.5	9.4	1.1
UDD17226	4385	11073	1287	12	21	35.5	29.8	30.4	0.6	7.5	0.4
UDD17455	4924	10877	1395	-35	86	185.6	22.3	23.9	1.6	11.1	1.1
UDD17457	4923	10876	1395	-40	101	141.1			NSI		
UDD17099	4443	11257	1251	-31	299	132.0	53.9	54.9	1.0	6.6	0.7
UDD17099	4443	11257	1251	-31	299	132.0	76.3	76.7	0.4	6.3	0.3
UDD17099	4443	11257	1251	-31	299	132.0	126.4	126.9	0.5	6.8	0.4
UDD17099	4443	11257	1251	-31	299	132.0			NSI		
UDD17100	4443	11257	1251	-43	298	129.5	39.9	40.7	0.8	5.6	0.6
UDD17100	4443	11257	1251	-43	298	129.5	62.4	62.7	0.4	16.2	0.2
UDD17100	4443	11257	1251	-43	298	129.5	70.8	71.2	0.4	9.2	0.2
UDD17101	4443	11256	1251	-33	283	131.0			NSI		
UDD17102	4443	11256	1251	-49	284	129.0	64.4	64.9	0.5	6.0	0.4
UDD17103	4443	11256	1251	-70	276	113.9	27.5	31.3	3.8	10.5	2.6
UDD17104	4445	11246	1251	-45	278	131.0	50.4	51.0	0.6	13.0	0.4
UDD17104	4445	11246	1251	-45	278	131.0	67.8	68.8	1.0	18.8	0.7
UDD17104	4445	11246	1251	-45	278	131.0	105.1	106.1	1.0	5.9	0.7
UDD17105	4445	11246	1251	-58	278	131.0	76.0	76.5	0.5	7.9	0.4
UDD17105	4445	11246	1251	-58	278	131.0	80.7	81.1	0.4	23.2	0.2
UDD17105	4445	11246	1251	-58	278	131.0	101.5	102.5	1.0	13.4	0.7
UDD17106	4443	11256	1251	-61	278	131.9	36.2	36.8	0.6	6.3	0.4
UDD17106	4443	11256	1251	-61	278	131.9	71.5	72.0	0.6	5.5	0.4
UDD17107	4443	11262	1251	-25	305	129.4	101.1	102.7	1.6	8.7	1.1
UDD17108	4443	11262	1252	-37	304	129.4	80.1	80.4	0.4	11.8	0.2
UDD17110	4444	11262	1252	-46	322	96.2	36.8	38.6	1.8	11.7	1.3
UDD17111	4443	11262	1252	-38	315	114.1	45.4	47.6	2.2	17.4	1.5
UDD17111	4443	11262	1252	-38	315	114.1	45.4	47.6	2.2	17.4	1.5
UDD17111	4443	11262	1252	-38	315	114.1	54.4	55.4	1.0	9.2	0.7
UDD17111	4443	11262	1252	-38	315	114.1	54.4	55.4	1.0	9.2	0.7
UDD17111	4443	11262	1252	-38	315	114.1	105.8	106.5	0.7	23.3	0.5
UDD17113	4445	11246	1251	-39	265	125.9	59.4	60.4	1.0	6.8	0.7
UDD17113	4445	11246	1251	-39	265	125.9	72.0	73.0	1.0	6.8	0.7
UDD17113	4445	11246	1251	-39	265	125.9	98.6	100.3	1.7	13.2	1.2
UDD17113	4445	11246	1251	-39	265	125.9	123.6	124.0	0.5	7.1	0.3
UDD17114	4445	11245	1251	-50	266	128.8	46.4	51.5	5.2	5.4	3.6
UDD17114	4445	11245	1251	-50	266	128.8	63.4	63.9	0.5	17.8	0.4
UDD17115	4443	11257	1252	-23	299	131.9	102.5	103.2	0.8	16.8	0.5
UDD17115	4443	11257	1252	-23	299	131.9	111.8	112.8	1.0	6.0	0.7
UDD16917	12964	42199	1181	28	51	163.9	18.8	19.1	0.3	6.0	0.2
UDD16975	5082	13159	1179	16	70	112.4			NSI		
UDD17054	4930	13006	1198	37	139	76.0	25.3	25.9	0.6	8.5	0.4
UDD17058	4911	13000	1193	25	143	96.7	42.2	44.2	2.0	9.0	1.4
UDD17058	4911	13000	1193	25	143	96.7	46.3	47.4	1.1	8.7	0.8
UDD17058	4911	13000	1193	25	143	96.7	49.9	50.6	0.7	8.1	0.5
UDD17059	4910	13002	1197	78	158	77.2			NSI		
UDD17061	4911	13000	1193	9	159	89.3	16.1	16.8	0.7	26.0	0.5
UDD17062	4911	13000	1194	28	180	78.5	55.3	55.9	0.6	6.6	0.4
UDD17062	4911	13000	1194	28	180	78.5	62.6	63.0	0.4	6.2	0.2
UDD17062	4911	13000	1194	28	180	78.5			NSI		

PLUTONIC SIGNIFICANT INTERSECTIONS - RESOURCE DEFINITION AND EXTENSION

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
UDD17065	4890	13005	1192	44	223	106.9	4.3	4.8	0.5	13.9	0.4
UDD17065	4890	13005	1192	44	223	106.9	38.7	39.3	0.6	34.5	0.4
UDD17065	4890	13005	1192	44	223	106.9	50.4	50.8	0.5	5.2	0.3
UDD17066	4890	13005	1190	22	236	143.5	70.0	71.8	1.8	18.1	1.3
UDD17066	4890	13005	1190	22	236	143.5	111.9	115.3	3.4	13.7	2.3
UDD17067	4891	13007	1194	67	245	100.1	68.4	69.1	0.8	10.8	0.5
UDD17068	4890	13006	1192	36	245	113.6	41.9	42.9	1.0	13.4	0.7
UDD17068	4890	13006	1192	36	245	113.6	80.3	81.1	0.8	17.9	0.6
UDD17068	4890	13006	1192	36	245	113.6	87.2	89.5	2.4	10.1	1.6
UDD17069	4890	13005	1191	33	258	115.9	13.0	13.5	0.6	10.7	0.4
UDD17069	4890	13005	1191	33	258	115.9	65.7	67.2	1.5	7.6	1.0
UDD17069	4890	13005	1191	33	258	115.9	75.9	76.5	0.6	8.3	0.4
UDD17069	4890	13005	1191	33	258	115.9	94.5	95.0	0.5	6.2	0.4
UDD17072	4963	13160	1169	58	328	67.2			NSI		
UDD17073	4965	13160	1168	43	357	64.4	31.7	32.0	0.3	10.6	0.2
UDD17074	4966	13159	1168	66	92	65.3			NSI		
UDD17075	4963	13162	1167	40	345	69.4			NSI		
UDD17076	4962	13159	1167	38	311	90.9			NSI		
UDD17077	5001	13155	1167	73	85	67.2			NSI		
UDD17078	5007	13165	1167	61	18	61.1			NSI		
UDD17079	5028	13100	1179	-72	306	29.3	20.9	23.9	3.0	8.2	2.1
UDD17080	5040	13115	1178	-68	309	38.2	21.8	22.5	0.7	7.5	0.5
UDD17081	5048	13125	1178	-61	304	50.3	22.5	23.0	0.5	6.9	0.3
UDD17081	5048	13125	1178	-61	304	50.3	24.6	26.1	1.5	7.4	1.1
UDD17082	5047	13119	1178	-76	55	35.4	0.0	1.0	1.0	5.9	0.7
UDD17083	5043	13113	1178	-73	152	32.3			NSI		
PERCD8201	5271	13114	510	-71	225	532.2			NSI		
PERCD8202	5359	13161	510	-75	233	612.7			NSI		
PERCD8203	5318	13026	1509	-75	238	520.0			NSI		
PERCD8205	5461	12980	510	-75	232	600.0			NSI		

HERMES SIGNIFICANT INTERSECTIONS

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
NHXDD000001	691919	7169047	563	-60	135	100.0	18.3	31.4	11.6	2.5	11.0
NHXDD000001	691919	7169047	563	-60	135	100.0	78.0	79.0	1.0	1.1	0.9
NHXDD000001	691919	7169047	563	-60	135	100.0	83.6	85.0	1.4	13.3	1.3
NHXDD000002	691619	7168740	562	-60	135	115.0	67.0	69.9	2.9	0.9	2.8
NHXDD000002	691619	7168740	562	-60	135	115.0	79.1	80.0	0.9	9.9	0.8
NHXDD000002	691619	7168740	562	-60	135	115.0	82.0	83.0	1.0	3.3	0.9
NHXDD000003	691610	7169205	561	-60	135	135.0	30.0	31.0	1.0	1.5	0.9
NHXDD000003	691610	7169205	561	-60	135	135.0	34.0	39.2	4.5	4.2	4.3
NHXDD000003	691610	7169205	561	-60	135	135.0	49.0	51.0	2.0	2.2	1.9
NHXDD000003	691610	7169205	561	-60	135	135.0	107.0	109.9	2.9	2.8	2.8
NHXRC000001	691954	7169097	563	-60	135	110.0	30.0	32.0	2.0	1.3	1.9
NHXRC000002	691972	7169079	562	-60	135	115.0			NSI		
NHXRC000003	691990	7169059	561	-60	135	100.0			NSI		
NHXRC000004	692000	7169035	562	-60	135	52.0			NSI		
NHXRC000005	691860	7169120	562	-60	135	200.0	171.0	173.0	2.0	1.5	1.9
NHXRC000005	691860	7169120	562	-60	135	200.0	176.0	177.0	1.0	1.6	0.9
NHXRC000005	691860	7169120	562	-60	135	200.0	184.0	189.0	5.0	1.3	4.8
NHXRC000005	691860	7169120	562	-60	135	200.0	191.0	198.0	7.0	2.0	6.7
NHXRC000006	691857	7169066	563	-60	135	124.0	116.0	118.0	2.0	2.4	1.9
NHXRC000007	691891	7169032	563	-60	135	75.0	26.0	35.0	9.0	6.4	8.8
NHXRC000007	691891	7169032	563	-60	135	75.0	37.0	46.0	9.0	1.2	8.8
NHXRC000007	691891	7169032	563	-60	135	75.0	48.0	52.0	4.0	1.4	3.8
NHXRC000008	691919	7169004	563	-60	135	70.0			NSI		
NHXRC000009	691878	7168983	562	-60	135	64.0	5.0	11.0	6.0	6.6	5.7
NHXRC000010	691878	7168959	564	-60	135	64.0			NSI		
NHXRC000011	691792	7169019	560	-60	135	166.0	107.0	109.0	2.0	1.7	1.9
NHXRC000011	691792	7169019	560	-60	135	166.0	128.0	134.0	6.0	2.2	5.7
NHXRC000011	691792	7169019	560	-60	135	166.0	139.0	145.0	6.0	1.5	5.7
NHXRC000012	691877	7168935	563	-60	135	76.0			NSI		
NHXRC000013	691779	7169004	563	-60	135	175.0	108.0	110.0	2.0	1.1	1.9
NHXRC000013	691779	7169004	563	-60	135	175.0	137.0	142.0	5.0	2.4	4.8
NHXRC000013	691779	7169004	563	-60	135	175.0	146.0	147.0	1.0	1.2	0.9
NHXRC000014	691770	7168987	563	-60	135	160.0	110.0	111.0	1.0	1.4	0.9
NHXRC000014	691770	7168987	563	-60	135	160.0	139.0	143.0	4.0	2.5	3.8
NHXRC000015	691839	7168915	564	-60	135	70.0	59.0	60.0	1.0	3.5	0.9
NHXRC000016	691775	7168926	564	-60	135	135.0	67.0	68.0	1.0	1.4	0.9
NHXRC000016	691775	7168926	564	-60	135	135.0	107.0	112.0	5.0	3.5	4.8
NHXRC000017	691804	7168897	564	-60	135	70.0	24.0	25.0	1.0	1.7	0.9
NHXRC000018	691699	7168943	561	-60	135	150.0	101.0	102.0	1.0	1.5	0.9
NHXRC000018	691699	7168943	561	-60	135	151.0	111.0	114.0	3.0	4.9	2.8
NHXRC000018	691699	7168943	561	-60	135	152.0	116.0	118.0	2.0	0.8	1.9
NHXRC000019	691721	7168923	561	-60	135	130.0			NSI		
NHXRC000020	691747	7168895	565	-60	135	90.0			NSI		
NHXRC000021	691769	7168868	566	-60	135	70.0	32.0	35.0	3.0	1.9	2.8
NHXRC000022	691694	7168892	565	-60	135	140.0	115.0	116.0	1.0	3.6	0.9
NHXRC000022	691694	7168892	565	-60	135	140.0	120.0	121.0	1.0	4.0	0.9
NHXRC000023	691670	7168857	562	-60	135	170.0	84.0	89.0	5.0	1.9	4.8
NHXRC000024	691727	7168803	563	-60	135	118.0	39.0	40.0	1.0	1.2	0.9
NHXRC000024	691727	7168803	563	-60	135	118.0	49.0	50.0	1.0	1.0	0.9
NHXRC000025	691702	7168766	562	-60	135	90.0	13.0	16.0	3.0	2.5	2.8
NHXRC000025	691702	7168766	562	-60	135	90.0	36.0	41.0	5.0	1.9	4.7
NHXRC000026	691646	7168710	562	-60	135	90.0	23.0	24.0	1.0	1.1	0.9
NHXRC000026	691646	7168710	562	-60	135	90.0	31.0	34.0	3.0	1.9	2.8

HERMES SIGNIFICANT INTERSECTIONS

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
NHXRC000026	691646	7168710	562	-60	135	90.0	40.0	42.0	2.0	2.8	1.9
NHXRC000026	691646	7168710	562	-60	135	90.0	66.0	74.0	8.0	1.6	7.8
NHXRC000027	691593	7168708	562	-60	135	120.0	55.0	56.0	1.0	1.0	0.9
NHXRC000028	691625	7168670	563	-60	135	70.0			NSI		
NHXRC000029	691535	7168710	565	-60	135	135.0	64.0	65.0	1.0	1.1	0.9
NHXRC000030	691591	7168653	565	-60	135	100.0	76.0	77.0	1.0	1.6	0.9
NHXRC000031	691889	7169150	562	-60	135	200.0	197.0	199.0	2.0	0.9	1.9
NHXRC000032	691843	7169111	562	-60	135	180.0			NSI		
NHXRC000033	691877	7169049	564	-60	135	110.0	41.0	42.0	1.0	1.3	0.9
NHXRC000033	691877	7169049	564	-60	135	110.0	46.0	55.0	9.0	4.3	8.7
NHXRC000033	691877	7169049	564	-60	135	110.0	61.0	64.0	4.0	1.0	0.9
NHXRC000034	691910	7169015	563	-60	135	70.0	67.0	68.0	1.0	0.9	0.9
NHXRC000035	691934	7168988	564	-60	135	55.0			NSI		
NHXRC000036	691903	7168993	563	-60	135	55.0			NSI		
NHXRC000037	691814	7169056	561	-60	135	154.0			NSI		
NHXRC000038	691845	7169023	562	-60	135	130.0	73.0	74.0	1.0	1.5	0.9
NHXRC000038	691845	7169023	562	-60	135	130.0	78.0	87.0	9.0	2.7	8.8
NHXRC000039	691823	7168989	561	-60	135	145.0	61.0	64.0	3.0	9.4	2.8
NHXRC000039	691823	7168989	561	-60	135	145.0	94.0	97.0	3.0	2.9	2.8
NHXRC000039	691823	7168989	561	-60	135	145.0	99.0	105.0	6.0	1.2	5.7
NHXRC000040	691849	7168963	561	-60	135	100.0	42.0	44.0	2.0	4.9	1.9
NHXRC000040	691849	7168963	561	-60	135	100.0	49.0	52.0	3.0	1.7	2.8
NHXRC000041	691791	7168963	564	-60	135	145.0	103.0	106.0	3.0	1.3	2.8
NHXRC000042	691824	7168929	564	-60	135	100.0	33.0	35.0	2.0	1.2	1.9
NHXRC000042	691824	7168929	564	-60	135	100.0	42.0	43.0	1.0	4.0	0.9
NHXRC000042	691824	7168929	564	-60	135	100.0	65.0	66.0	1.0	3.7	0.9
NHXRC000043	691761	7168939	563	-60	135	135.0	63.0	64.0	1.0	1.3	0.9
NHXRC000043	691761	7168939	563	-60	135	135.0	74.0	76.0	2.0	6.3	1.9
NHXRC000043	691761	7168939	563	-60	135	135.0	81.0	84.0	3.0	1.2	2.8
NHXRC000043	691761	7168939	563	-60	135	135.0	88.0	90.0	2.0	4.3	1.9
NHXRC000043	691761	7168939	563	-60	135	135.0	92.0	96.0	4.0	1.3	3.8
NHXRC000043	691761	7168939	563	-60	135	135.0	125.0	133.0	8.0	12.7	7.6
NHXRC000044	691787	7168913	564	-60	135	75.0	46.0	48.0	2.0	1.7	1.9
NHXRC000044	691787	7168913	564	-60	135	76.0	53.0	56.0	3.0	2.1	2.8
NHXRC000044	691787	7168913	564	-60	135	77.0	58.0	60.0	2.0	0.9	1.9
NHXRC000044	691787	7168913	564	-60	135	78.0	85.0	88.0	3.0	5.6	2.8
NHXRC000045	691813	7168882	563	-60	135	55.0			NSI		
NHXRC000046	691732	7168939	564	-60	135	140.0	105.0	108.0	3.0	1.7	2.8
NHXRC000047	691739	7168906	563	-60	135	120.0	101.0	103.0	2.0	1.7	1.9
NHXRC000047	691739	7168906	563	-60	135	120.0	120.0	121.0	1.0	1.3	0.9
NHXRC000048	691760	7168880	564	-60	135	80.0	33.0	34.0	1.0	1.1	0.9
NHXRC000048	691760	7168880	564	-60	135	80.0	39.0	41.0	2.0	0.9	1.9
NHXRC000049	691712	7168873	564	-60	135	125.0	67.0	68.0	1.0	1.1	0.9
NHXRC000049	691712	7168873	564	-60	135	125.0	83.0	84.0	1.0	1.3	0.9
NHXRC000049	691712	7168873	564	-60	135	125.0	86.0	92.0	6.0	1.2	5.7
NHXRC000049	691712	7168873	564	-60	135	125.0	100.0	101.0	1.0	1.6	0.9
NHXRC000049	691712	7168873	564	-60	135	125.0	103.0	104.0	1.0	0.9	0.9
NHXRC000049	691712	7168873	564	-60	135	125.0	121.0	125.0	4.0	4.1	3.8
NHXRC000050	691738	7168846	564	-60	135	115.0			NSI		
NHXRC000051	691750	7168832	564	-60	135	70.0	35.0	41.0	6.0	1.3	5.7
NHXRC000052	691693	7168837	564	-60	135	150.0	75.0	84.0	9.0	3.6	8.8
NHXRC000052	691693	7168837	564	-60	135	150.0	103.0	104.0	1.0	2.0	0.9
NHXRC000052	691693	7168837	564	-60	135	150.0	110.0	112.0	2.0	6.0	1.9
NHXRC000053	691710	7168821	565	-60	135	135.0	19.0	21.0	2.0	1.0	1.9
NHXRC000053	691710	7168821	565	-60	135	135.0	32.0	33.0	1.0	1.1	0.9
NHXRC000053	691710	7168821	565	-60	135	135.0	37.0	38.0	1.0	1.5	0.9
NHXRC000053	691710	7168821	565	-60	135	135.0	83.0	85.0	2.0	0.7	1.9
NHXRC000054	691741	7168790	564	-60	135	70.0			NSI		
NHXRC000055	691754	7168772	564	-60	135	70.0			NSI		
NHXRC000056	691579	7168894	561	-60	135	250.0	187.0	189.0	2.0	1.4	1.9
NHXRC000056	691579	7168894	561	-60	135	250.0	191.0	193.0	2.0	1.0	1.9
NHXRC000057	691574	7168869	563	-60	135	250.0	180.0	185.0	5.0	1.8	4.7
NHXRC000058	691592	7168850	565	-60	135	200.0			NSI		
NHXRC000059	691584	7168830	563	-60	135	200.0	151.0	155.0	4.0	3.6	3.8
NHXRC000060	691580	7168779	566	-60	135	185.0	113.0	115.0	2.0	1.0	2.8
NHXRC000061	691559	7168743	564	-60	135	145.0	93.0	95.0	2.0	3.6	2.8
NHXRC000062	691551	7168693	565	-60	135	125.0	73.0	74.0	1.0	1.6	0.9
NHXRC000063	691580	7168666	565	-60	135	100.0			NSI		
NHXRC000064	691535	7168684	563	-60	135	120.0	44.0	45.0	1.0	5.2	0.9
NHXRC000065	691558	7168659	564	-60	135	120.0			NSI		
NHXRC000066	691578	7168637	565	-60	135	120.0			NSI		
NHXRC000067	691791	7169335	560	-60	135	120.0	35.0	36.0	1.0	2.0	0.9
NHXRC000068	691816	7169312	561	-60	135	110.0	89.0	91.0	2.0	1.1	1.9
NHXRC000069	691841	7169290	561	-60	135	70.0	35.0	36.0	1.0	1.2	0.9
NHXRC000070	691641	7169173	563	-60	135	80.0			NSI		
NHXRC000071	691654	7169158	563	-60	135	60.0			NSI		
NHXRC000072	691564	7169196	564	-60	135	185.0	67.0	68.0	1.0	1.8	0.9
NHXRC000072	691564	7169196	564	-60	135	185.0	103.0	105.0	2.0	3.2	1.9
NHXRC000072	691564	7169196	564	-60	135	185.0	113.0	115.0	2.0	1.8	1.9
NHXRC000072	691564	7169196	564	-60	135	185.0	121.0	123.0	2.0	2.6	1.9
NHXRC000073	691605	7169150	563	-60	135	110.0	25.0	26.0	1.0	1.2	0.9
NHXRC000073	691605	7169150	563	-60	135	110.0	56.0	58.0	2.0	1.4	1.9
NHXRC000074	691630	7169130	563	-60	135	60.0	13.0	16.0	3.0	4.1	2.8
NHXRC000075	691582	7169208	563	-60	135	165.0	67.0	69.0	2.0	1.6	1.9
NHXRC000075	691582	7169208	563	-60	135	165.0	122.0	124.0	2.0	25.2	1.9
NHXRC000075	691582	7169208	563	-60	135	165.0	138.0	139.0	1.0	1.6	0.9
NHXRC000076	691613	7169173	563	-60	135	110.0	35.0	39.0	4.0	2.0	3.8
NHXRC000076	691613	7169173	563	-60	135	110.0	50.0	52.0	2.0	2.3	1.9
NHXRC000077	691642	7169144	563	-60	135	50.0			NSI		
NHXRC000078	691561	7169170	562	-60	135	130.0	39.0	40.0	1.0	1.0	0.9
NHXRC000078	691561	7169170	562	-60	135	130.0	76.0	81.0	5.0	1.1	4.7

HERMES SIGNIFICANT INTERSECTIONS

Drill Hole #	Easting (Mine Grid)	Northing (Mine Grid)	Drill hole collar RL (Mine Grid)	Dip (degrees)	Azimuth (degrees, Mine Grid)	End of hole depth (m)	Downhole From (m)	Downhole To (m)	Downhole Intersection (m)	Au (gpt) uncut	Est True Thickness (m)
NHXRC000079	691557	7169146	559	-60	135	110.0	47.0	48.0	1.0	1.2	0.9
NHXRC000080	691575	7169128	561	-60	135	60.0	32.0	34.0	2.0	3.0	1.9
NHXRC000081	691594	7169109	561	-60	135	40.0			NSI		
NHXRC000082	691971	7169041	562	-60	135	70.0	29.0	46.0	17.0	1.7	15.5
NHXRC000083	691811	7168942	564	-60	135	82.0	36.0	39.0	3.0	0.9	2.8
NHXRC000083	691811	7168942	564	-60	135	82.0	66.0	67.0	1.0	1.9	0.9
NHXRC000084	691676	7168795	562	-60	135	118.0	38.0	48.0	10.0	1.4	8.8
NHXRC000084	691676	7168795	562	-60	135	118.0	58.0	63.0	5.0	1.0	4.8
NHXRC000084	691676	7168795	562	-60	135	118.0	68.0	69.0	1.0	1.8	0.9
NHXRC000084	691676	7168795	562	-60	135	118.0	77.0	79.0	2.0	1.2	1.9
NHXRC000085	691767	7169275	559	-60	135	106.0	14.0	38.0	24.0	1.3	22.0
NHXRC000085	691767	7169275	559	-60	135	106.0	40.0	52.0	12.0	2.7	11.0
NHXRC000085	691767	7169275	559	-60	135	106.0	63.0	67.0	4.0	1.0	3.8
NHXRC000085	691767	7169275	559	-60	135	106.0	73.0	83.0	10.0	1.7	8.8
NHXRC000086	691286	7168652	563	-60	135	160.0	111.0	112.0	1.0	1.2	0.9
NHXRC000086	691286	7168652	563	-60	135	160.0	126.0	127.0	1.0	2.4	0.9
NHXRC000087	691296	7168630	564	-60	135	105.0	90.0	91.0	1.0	1.4	0.9
NHXRC000088	691313	7168619	564	-60	135	88.0	81.0	82.0	1.0	10.5	0.9
NHXRC000089	691329	7168603	564	-60	135	60.0	50.0	52.0	2.0	2.2	1.9
NHXRC000090	691281	7168686	564	-60	135	142.0			NSI		
NHXRC000091	691341	7168617	563	-60	135	55.0			NSI		
NHXRC000092	691317	7168676	564	-60	135	119.0	61.0	62.0	1.0	4.4	0.9
NHXRC000092	691317	7168676	564	-60	135	119.0	78.0	80.0	2.0	9.3	1.9
NHXRC000093	691331	7168663	563	-60	135	100.0	35.0	36.0	1.0	1.1	0.9
NHXRC000093	691331	7168663	563	-60	135	100.0	40.0	46.0	6.0	1.9	5.7
NHXRC000094	691340	7168649	564	-60	135	95.0	39.0	40.0	1.0	1.3	0.9
NHXRC000094	691340	7168649	564	-60	135	95.0	73.0	80.0	7.0	4.5	6.7
NHXRC000095	691360	7168635	564	-60	135	65.0	20.0	22.0	2.0	1.4	1.9
NHXRC000095	691360	7168635	564	-60	135	65.0	39.0	40.0	1.0	1.4	0.9
NHXRC000095	691360	7168635	564	-60	135	65.0	57.0	63.0	6.0	2.6	5.7
NHXRC000097	691362	7168659	565	-60	135	143.0	46.0	50.0	4.0	1.8	3.8
NHXRC000097	691362	7168659	565	-60	135	143.0	78.0	80.0	2.0	3.9	1.9
NHXRC000097	691362	7168659	565	-60	135	143.0	100.0	101.0	1.0	2.5	0.9
NHXRC000097	691362	7168659	565	-60	135	143.0	109.0	110.0	1.0	1.6	0.9
NHXRC000098	691397	7168621	565	-60	135	65.0			NSI		
NHXRC000099	691387	7168690	565	-60	135	155.0	35.0	36.0	1.0	1.5	0.9
NHXRC000099	691387	7168690	565	-60	135	155.0	39.0	41.0	2.0	1.6	1.9
NHXRC000099	691387	7168690	565	-60	135	155.0	47.0	48.0	1.0	4.7	0.9
NHXRC000099	691387	7168690	565	-60	135	155.0	71.0	74.0	3.0	1.2	1.9
NHXRC000099	691387	7168690	565	-60	135	155.0	76.0	79.0	3.0	17.9	2.8
NHXRC000099	691387	7168690	565	-60	135	155.0	92.0	95.0	3.0	4.0	2.8
NHXRC000102	691377	7168730	564	-60	135	155.0	35.0	39.0	4.0	3.6	3.8
NHXRC000102	691377	7168730	564	-60	135	155.0	44.0	56.0	12.0	4.1	11.0
NHXRC000102	691377	7168730	564	-60	135	155.0	105.0	106.0	1.0	1.6	0.9
NHXRC000102	691377	7168730	564	-60	135	155.0	133.0	143.0	10.0	14.4	9.5
NHXRC000103	691423	7168683	564	-60	135	113.0			NSI		
NHXRC000104	691353	7168776	564	-60	135	251.0	100.0	101.0	1.0	2.4	0.9
NHXRC000104	691353	7168776	564	-60	135	251.0	110.0	111.0	1.0	1.8	0.9
NHXRC000104	691353	7168776	564	-60	135	251.0	190.0	191.0	1.0	2.4	0.9
NHXRC000104	691353	7168776	564	-60	135	251.0	206.0	207.0	1.0	2.0	0.9
NHXRC000104	691353	7168776	564	-60	135	251.0	214.0	217.0	3.0	2.1	2.8
NHXRC000104	691353	7168776	564	-60	135	251.0	219.0	220.0	1.0	4.1	0.9
NHXRC000104	691353	7168776	564	-60	135	251.0	223.0	230.0	7.0	10.0	9.0
NHXRC000113	691873	7169426	559	-60	135	130.0	59.0	60.0	1.0	1.1	0.9
NHXRC000113	691873	7169426	559	-60	135	130.0	64.0	70.0	6.0	2.7	5.7
NHXRC000113	691873	7169426	559	-60	135	130.0	115.0	118.0	3.0	4.1	2.8
NHXRC000113	691873	7169426	559	-60	135	130.0	126.0	127.0	1.0	4.5	0.9
NHXRC000113	691873	7169426	559	-60	135	130.0	128.0	129.0	1.0	1.0	0.9
NHXRC000114	691903	7169396	561	-60	135	100.0	20.0	26.0	6.0	3.1	5.7
NHXRC000114	691903	7169396	561	-60	135	100.0	32.0	43.0	11.0	1.5	9.5
NHXRC000114	691903	7169396	561	-60	135	100.0	49.0	54.0	5.0	2.2	4.7
NHXRC000114	691903	7169396	559	-60	135	100.0	57.0	59.0	2.0	2.5	1.9
NHXRC000115	691928	7169365	559	-60	135	70.0			NSI		
NHXRC000116	691955	7169338	559	-60	135	40.0			NSI		

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Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.	Over its history this deposit has been sampled using numerous techniques by NSR (Northern Star Resources Limited) and previous operators. This is assumed to be to industry standard at that time. Currently diamond drilling and face sampled sections have sample intervals defined by the geologist to honour geological boundaries ranging from 0.3 to 1m in length. Sampling of NQ2 and LTK60 is half core. BQ and LTK48 is sampled as full core. Face chip sampling is completed perpendicular to the lode orientation in the face.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Core is aligned to orientation markers and measured by tape, comparing back to down hole core blocks consistent with industry practice. All other sampling by previous operators is assumed to be to industry standard at that time.
	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	Diamond drilling completed to industry standard using varying sample lengths (0.3 to 1m) based on geological intervals, which are then crushed and pulverised to produce a ~250g pulp sub sample for use in the assay process. NSR (Northern Star Resources Limited) diamond core samples are fire assayed at ALS and the Plutonic Fire Assay Lab (PFAL) facility on site (40g charge). Visible gold is occasionally encountered in core. Underground face chip samples follow the same process. All other sampling by previous operators assumed to be to industry standard at that time.
Drilling techniques	Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).	Over its history this deposit has been drilled and sampled using numerous techniques by NSR and previous operators. This is assumed to be to industry standard at that time. Underground diamond drilling carried out by using BQ, NQ2, LTK48 and LTK 60. Core is orientated using the Reflex ACT device.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Chip sample recoveries not very relevant in this instance. No RC drilling has taken place for years at Plutonic and impact on the resource would be minimal. DD recovery is not noted specifically, though core is locked in and metre marked carefully. Discrepancies to core blocks are brought up with the drill contractor. Occasionally core loss blocks are inserted. Overall drill core recovery is very good.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	NSR diamond drilling practice results in high recovery due to the competent nature of the ground. Diamond drilling by previous operators assumed to be to industry standard at that time.
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	There is no known relationship between sample recovery and grade; diamond drill sample recovery is very high.
Logging	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	Core is logged by qualified Geologists to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Surface core completed by previous operators assumed to be to industry standard at that time.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Logging is Qualitative and Quantitative and all core is photographed. Visual estimates of sulphide (percentage) and alteration (intensity scale) are recorded.

Criteria	JORC Code explanation	Commentary
		A significant archive is found on site containing previous drilling, sampling and core photography where available. Previous logging assumed to be to industry standard at that time.
	The total length and percentage of the relevant intersections logged.	100% of NSR drill core is logged. Faces are mapped and sampled when access permits.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	If the core was BQ or LTK48 it was sampled as full core and dispatched to the laboratory for analysis. If the core was NQ2 or LTK60, it was cut in half with an Almonté diamond core saw; the top half of the core was sent to the laboratory for analysis and the other half was placed back in the core tray, transferred onto pallets, and moved to the core yard library. All other core sampling by previous operators assumed to be to industry standard at that time.
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	No non-core drilling reported.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Following drying at 110°C Samples are crushed and split down to <1kg, 80% < 3.15mm using Essa Jaw crusher and 50:50 riffle splitter or Boyd rotary crusher and 50:50 rotary splitter at the labs discretion. Primary samples ~500g pulverised to 90% passing 75µm in LM2. Use scoop to subset to ~200g, use scoop to subset to 40g for fire assay. An informal analysis suggests that the sampling protocol currently in use are appropriate to the mineralisation encountered and should provide representative results.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Crusher duplicates taken at 1:45 (Plutonic lab)/1:50 (ALS) for core. Pulp duplicates taken at 1:45 (Plutonic lab)/1:26 (ALS) for core.
	Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate / second-half sampling.	Field duplicates, i.e. other half of cut core, have not been routinely assayed.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Sample sizes are considered appropriate.
Quality of assay data and laboratory tests	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	For all NSR drill core, gold concentration is determined by fire assay using the lead collection technique with a 40g sample charge weight. An AAS (Plutonic lab) or ICP (ALS) finish is used, and is considered to be total gold. All other laboratory procedures exercised by previous operators assumed to be to industry standard at that time and not reviewed for this resource.
	For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	Only gold assays are being reported at this time
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	QAQC protocols and performance for Underground data ▪ The field QAQC protocols used include the following for all drill samples: - Coarse blanks are inserted at an incidence of 1 in 40 samples, after visible gold, and after suspected high grade samples. - Commercially prepared certified reference materials (CRM) are inserted at an incidence of 1 in 20 samples. The CRM used is not identifiable to the laboratory. - NSR's QAQC data is assessed on import to the database and reported monthly and quarterly. ▪ The laboratory QAQC protocols used include the following for all drill core samples: - Crusher duplicates taken at 1:45 (Plutonic lab)/1:50 (ALS) for core - Pulp duplicates taken at 1:45 (Plutonic lab)/1:26 (ALS) for core,

Criteria	JORC Code explanation	Commentary
		- Sizing checks are performed at all stages of prep (80% passing < 3.15mm for coarse crush, 90% passing 75µm for pulps) are undertaken on 1 in 40 samples, - The laboratories own standards are loaded to the AcQuire database, - The laboratory reports its own QAQC data on a monthly basis. ▪ In addition to the above, about 5% of samples are sent to an umpire laboratory. ▪ Failed standards are followed up by re-assaying a second 40g pulp sample of all samples in the fire if failing low, and samples above 0.5ppm if failing high. This is completed by the same method at the primary laboratory. Both the accuracy component (CRM's and umpire checks) and the precision component (duplicates and repeats) of the QAQC protocols are thought to demonstrate acceptable levels of accuracy and precision. QAQC protocols for diamond drilling by previous operators (Barrick) thoroughly documented and of high standard.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Significant intersections verified by alternative company personnel.
	The use of twinned holes.	There are no recent purpose drilled twinned holes.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Drill core logging is completed electronically onto laptops. Database protocols and rules are applied upon data entry. Visual validation and check logging of drill data. Drill data is stored in an AcQuire database. All maintained on site by NSR company Assistant Database Administrator. All drill data within site databases are regularly validated using both internal database systems and external validation tools. Pre-NSR data has been maintained by NSR company Assistant Database Administrators. Validation of Pre NSR data is completed periodically.
	Discuss any adjustment to assay data.	Conversion of lab non-numeric code to numeric for estimation.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Underground hole collar locations picked up regularly by site surveyors Multi shot cameras are used for down-hole survey In 2010, an independent gyro check survey of the underground workings showed very good correlation.
	Specification of the grid system used.	Drilling collared underground is drilled on the localised (POL) Grid. Rotated 3° west from AMG. The elevation datum used for underground has 1,000m added in order to eliminate the possibility of negative RLs at a later stage of mining. Two point conversion from AMG to POL Point 1 AMG N7197660.681, E745533.6, 510RL POL N10850.28, E 4122.20, 1510RL Point 2 AMG N7198362.518 E746350.229, 510RL POL N11594.561 E4899.96, 1510RL
	Quality and adequacy of topographic control.	Local topography and pits surveyed by mine site survey department. Accuracy would be to within 10cm and is continually updated in light of pit backfill and infrastructure modifications.

Criteria	JORC Code explanation	Commentary
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Infill and extension drill results reported for Caribbean, Indian, Caspian, Baltic Extension and Pacific prospects. Spacing varies from 40m to 10m.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	Resources and Reserves not being reported in this case.
	Whether sample compositing has been applied.	The drill core is logged and divided into sample intervals that have a minimum sample length of 0.3m and a maximum sample length of 1.0m. Intervals should honour geological boundaries such as faults and lithological contacts. Most nominal sample lengths were at 1m intervals; sample compositing is not applied until the estimation stage.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Targets drilled perpendicular where possible. However, orientation to lode may be compromised by access to suitable drill platforms. Drill holes are extended to Mine Mafic boundary where required and practicable. The orientation achieves unbiased sampling of all possible mineralisation and the extent to which this is known.
	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	The drill orientation to mineralised structures biases the number of samples per drill hole. It is not thought to make a material difference in the resource estimation. As the opportunity arises better angled holes are infill drilled.
Sample security	The measures taken to ensure sample security.	All cut drill core is kept in an unfenced core farm adjacent to the core cutting and processing shed. This is not regarded as a security risk due to the remote location of the mine with no community development near the mine. All core is photographed and records kept electronically. Geologists' are responsible for marking the sample intervals and placement of Blanks and Standards within the sampling stream for both faces and core. The Project Geologist and Senior Geologist complete quality control checks on the face data daily. Field Staff are primarily responsible for the cutting and sampling of core. Also generating the sample numbers for core submission, creating a sample submission sheet for core and faces, randomly selecting and recording the standards to be sent to the laboratory and the transportation of the samples to the laboratory. Once a hole has been sampled, the sample calculation and check geology documents are handed to the Assistant Database Administrator who converts the digital copy of the sample calculation to a csv file which is then imported into the Acquire database. Upon receiving the digital file for the assay data, the DBAs import the file into the master AcQuire database. This data is not accessible for assessment until it has been validated as complete and correct by the QAQC Geologist and DBA. Pulp rejects from assayed samples are kept in wooden boxes on top of the waste dump. These are visited frequently as samples are taken for research and other purposes. Drill logs are kept in hard copy and electronically and are available for checking and due-diligence.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	Previous review by Roscoe Postle Associates concluded the sample preparation, analysis, and security are adequate for Mineral Resource estimation.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	All mining leases (M52/0148, M52/0149, M52/0150, M52/0170, M52/0171, M52/0222, M52/0223, M52/0263, M52/0264, M52/0289, M52/0295, M52/0296, M52/0300, M52/0301, M52/0308, M52/0309, M52/0591, and M52/0592) are in good standing. Legal Title Transfers at the DMP are currently pending stamp duty assessment at the Office of State Revenue following the purchase of the Plutonic Project in January 2014. There are no heritage issues with the current operation.
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	Mining leases M52/0148, M52/0149, M52/0150, M52/0170, M52/0171, M52/0222, M52/0223, M52/0263, M52/0264, M52/0289, M52/0295, M52/0296, M52/0300, M52/0301, M52/0308, M52/0309, M52/0591, and M52/0592 granted for the next 3 – 20 years.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Gold mineralisation was discovered in 1987 by Great Central Mines, with numerous companies exploring and mining prior to Northern Star Resources Limited. All previous work is accepted and assumed to industry standard at that time. Full history of exploration, development and mining documented in technical report.
Geology	Deposit type, geological setting and style of mineralisation.	The gold deposits at Plutonic are hosted by an Archaean greenstone sequence and occur mainly as a multiple lode systems with variable dip (horizontal to vertical) hosted almost exclusively by a mafic amphibolite sequence that are referred to as the 'Mine Mafics'. Mineralisation regularly occurs as shallowly dipping, layer parallel lodes, although steep lodes and minor quartz-vein hosted deposits also occur. Mineralisation at Plutonic is characterized by a series of moderately-dipping to very flat-lying, stacked replacement-style lodes, individually up to 5m wide, that are hosted within ductile shear zones, oriented slightly oblique to stratigraphy. Gold bearing laterite deposits occur near surface in association with several of the oxide and primary deposits.
Drill hole Information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: o easting and northing of the drill hole collar o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar o dip and azimuth of the hole o down hole length and interception depth o hole length.	Summary drill information for Caribbean, Indian, Caspian, Baltic Extension and Pacific prospects is attached to this release
	If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	All holes for the reporting period are included.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	Length weighted averages are used, uncut grades are reported
	Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	Short high assays are length weighted and aggregated to relevant down hole length
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalents are reported.

Criteria	JORC Code explanation	Commentary
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results.	
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	Due to complex mineralisation geometry and varying intercept angles the true thickness is manually estimated on a hole by hole basis.
	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	Both true width and downhole lengths are reported.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	All relevant diagrams contained within available technical documentation.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All results for the period and area are reported.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	No other exploration data is considered relevant.
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).	Underground grade control and extensional drilling programs are underway, and will continue in line with mine development and production requirements.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Part of the release.

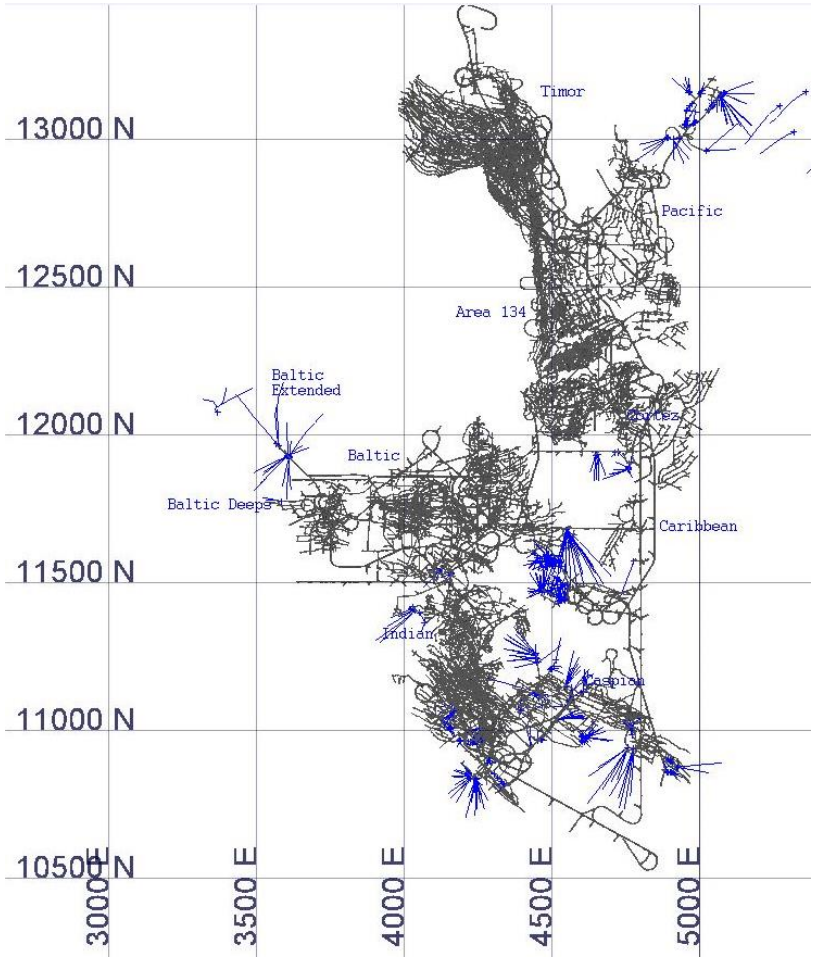

Figure 2: Plan view of Plutonic and relevant drill traces.

JORC CODE, 2012 EDITION – TABLE 1 REPORT: HERMES – AS AT 30 JUNE 2015

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.	The deposit is sampled by a combination of Reverse Circulation (RC) and Diamond (DD) drilling. RC sampling using mounted static cone splitter used for dry samples to yield a primary sample of approximately 4kg for assay. Diamond core was transferred to core trays for logging and sampling. Half core samples were defined by the geologist from diamond core (0.3 - 1.1m) to honour geological boundaries.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Diamond core is aligned and measured by tape, comparing back to down hole core blocks consistent with industry practice.
	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information.	Submitted samples are dried, crushed to <3mm, and pulverized to <75µm. 200g pulps splits were then sampled for 50g Fire assay charge and AAS analysis. Fine grained free gold is encountered occasionally
Drilling techniques	Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc.).	Surface RC drilling, 462 holes (~5.25" face sampling bit). Surface drill core, 32 holes (HQ2/HQ3). All DD core was orientated using the Reflex Ez – Ori
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	RC – Approximate recoveries are recorded as percentage ranges based on a visual weight estimate of the sample. DD – Recoveries are recorded as a percentage calculated from measured core versus drilled intervals.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	For diamond drilling the contractors adjust their rate of drilling and method if recovery issues arise. All recovery is recorded by the drillers on core blocks. This is checked and compared to the measurements of the core by the geological team. Any issues are communicated back to the drilling contractor.
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	Overall RC and DD recoveries are good. There has been no work completed on the relationship between recovery and grade.
Logging	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	NST RC chips and DD core logged by company geologists to industry standards. All relevant items such as interval, lithologies, structure, texture, grain size, alteration, oxidation, and mineralisation are recorded in the geological logs.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	Logging is qualitative and quantitative, all core is photographed and visual estimates are made of sulphide, quartz alteration percentages.
	The total length and percentage of the relevant intersections logged.	100% of the DD core and RC drilling chips were logged.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	Core sample intervals are generally between 0.3-1.1m in length, though honouring lithological boundaries to intervals less than 1m as deemed appropriate. NST - HQ3 core is half core sampled cut with Almonté diamond core saw. The right half is sampled, to sample intervals defined by the Logging Geologist along geological boundaries. The left half of core is archived.

Criteria	JORC Code explanation	Commentary
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	RC drilling employed a rig mounted static cone splitter used for dry samples to yield a primary sample of approximately 4kg. Off-split retained. All samples are oven-dried overnight (105^{0}C), jaw crushed to pass 3.15mm. The total sample is pulverised in an LM5 to 90% passing 75µm and bagged. The analytical sample is further reduced to a 50gm charge weight using a spatula, and the pulp packet is stored awaiting collection by NST. NST field duplicate samples are taken at an incidence of 1 in 30 samples.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	The sample preparation is considered appropriate and industry standard.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	NST industry standard QAQC procedures.
	Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate / second-half sampling.	The NST field QAQC protocols include duplicate samples at a rate of 1 in 30.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Sample sizes are considered appropriate.
Quality of assay data and laboratory tests	The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	DD - Core is half cut. Repeat analysis of pulp samples (for all sample types – diamond, RC) occurs at an incidence of 1 in 35 samples. Total gold is determined by fire assay using the lead collection technique (50 gram sample charge weight) and AAS finish. Various multi-element suites are analysed using a four acid digest with an ICP-OES finish.
	For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	Only gold assays are being reported at this time
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	The laboratory QAQC protocols include: repeat of pulps at a rate of 3%, sizing at a rate of 1 per batch. The labs internal QAQC is loaded into NST database. Both the accuracy component (CRM's) and the precision component (duplicates and repeats) are deemed acceptable. Although no formal heterogeneity study has been carried out or nomograph plotted, informal analysis suggests that the sampling protocol currently in use is appropriate to the mineralisation encountered to provide representative results. No check assaying at an umpire laboratory has been performed.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Significant intersections are verified by NST senior staff as required.
	The use of twinned holes.	There are no purpose drilled twin holes by NST
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	NST data thoroughly verified by database administrators. Data is stored in Acquire database has several inbuilt validations.
	Discuss any adjustment to assay data.	No adjustments are made to any assay data.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	NST collar positions were surveyed using DGPS. Topographic control uses local DGPS pickups.
	Specification of the grid system used.	MGA 94_50
	Quality and adequacy of topographic control.	Topographic control is based on the collar surveys.

Criteria	JORC Code explanation	Commentary
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Drill hole spacing across the area varies from 20m by 20m to approximately 80m by 80m.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	Data spacing is appropriate for the scale and nature of the mineralisation encountered.
	Whether sample compositing has been applied.	No compositing has been applied to these results, although composite intersections are reported.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Intercept angles are predominantly moderate to high angle (50° to 80°) to the interpreted mineralisation resulting in unbiased sampling.
	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	Unknown, assumed to not be material.
Sample security	The measures taken to ensure sample security.	Chain of custody is managed by NST. Samples are stored on site and are delivered to assay laboratory in Perth by Contracted Transport Company. Consignment notes in place to track the samples.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits or reviews have recently been conducted on sampling techniques used in the NST drilling phases.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	M52/685 is beneficially held by Northern Star Resources Limited. Legal Title Transfer at the DMP is currently pending stamp duty assessment at the Office of State Revenue following the recent purchase of the Hermes Project, including M52/685, from Alchemy Resources (Three Rivers) Pty Ltd. M52/685 is in good standing. Heritage surveys have been conducted and the area was cleared for drilling. Flora and Fauna surveys have been conducted and the area was cleared for drilling. Relationship with the traditional owners is well informed and adequate.
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	M52/685 is granted to 2030.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Significant previous exploration was conducted by Alchemy, Troy and Barrick (16 Diamond and 340 RC holes). All previous work is accepted to industry standard at that time.
Geology	Deposit type, geological setting and style of mineralisation.	Mineralisation at this deposit is considered to be mesothermal quartz reefs +/ pyrite, arsenopyrite within a quartz biotite sericite schist host rock near an amphibolite contact in the southwest portion of the Marymia Inlier.
Drill hole Information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: o easting and northing of the drill hole collar o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar o dip and azimuth of the hole o down hole length and interception depth o hole length.	All recent drill intersections yet to be reported to the ASX are presented with this report.

Criteria	JORC Code explanation	Commentary
	If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	All holes for the reporting period are included
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	All reported assay results have been length weighted to provide an intersection width. A maximum of 2m of barren material between mineralized samples has been permitted in the calculation of these widths.
	Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	No assay results have been top-cut for the purpose of this report. A lower cut-off of 1.0gpt has been used to identify significant results, although lower results are included where a known ore zone has been intercepted, and the entire intercept is low grade.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalents are reported.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results.	
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	Geometry of the mineralisation to drill hole intercepts is at a high angle, often nearing perpendicular.
	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	True widths have been calculated for intersections of the ore zones, based on existing knowledge of the nature of these structures.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	See plan view of NSR drill traces for Hermes.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Both high and low grades have been reported accurately, clearly identified with the drill hole attributes and 'From' and 'To' depths.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	Other Exploration results not considered material
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).	Follow up drilling to infill and extend the existing mineralisation is proposed to commence in early 2016.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	See attached plan view

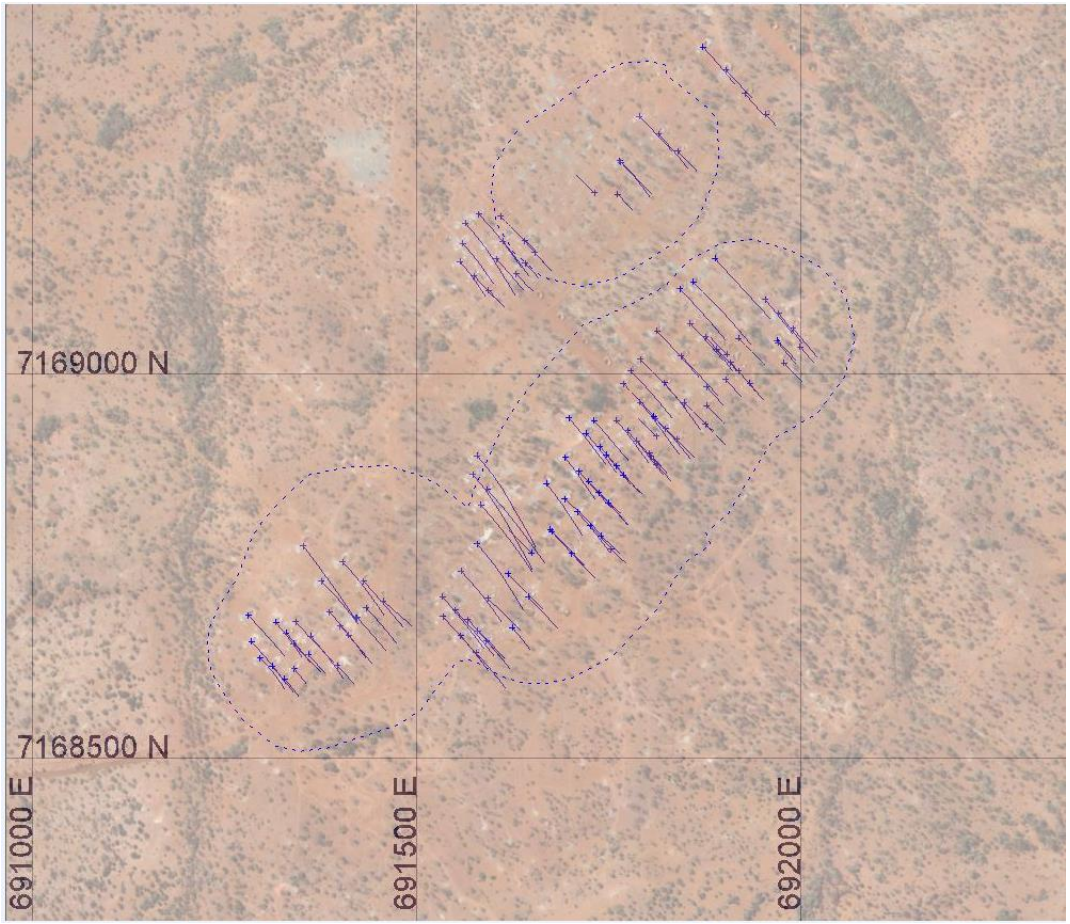

Figure 1: Plan view of Hermes with all NSR drill traces and proposed pit outline