

18th September 2013

Trial Mining and Processing Update at the Old Pirate High-Grade Gold Project

ABM Resources NL ("ABM" or "The Company") presents an update on the Trial Mining and Processing at the Old Pirate High-Grade Gold Project in the Northern Territory of Australia with the following highlights.

Pilot Processing

- Processing plant performing well at 15 tonnes per hour.
- Crusher and ball mill performing well with 100% of ball mill product less than 106 microns.
- Knelson Concentrator recovering both coarse and fine gold.
- Panning of tails reveals negligible free gold content indicating good recoveries in the plant (confirmatory assays pending).



Figure 1. Gold on Gemini Upgrade Table. Field of view ~30cm.

Trial Mining

Grade-control data for second bench received and compiled and areas being prioritised for Trial Mining:

- Nine mine areas selected based on reasonable representation of grade, width, and differing geological characteristics.

Potential Bench 2 Mining area	Anticipated strike length for Bench 2	Vein widths or mineralised zone widths	Peak grade-control assay (g/t gold)	Average vein grade (g/t gold)	Estimated diluted Trial Mine head-grade (g/t gold)
Heartland Veins	~80m	20cm to 3m	1,840g/t	69.83g/t	10 to 25g/t
Western Limb North	~200m	20cm to 0.5m	294g/t	47.13g/t	10 to 15g/t
Central	~70m	1m to 6m	340g/t	20.12g/t	10 to 30g/t
Golden Hind	~70m	1m to 6m	331g/t	27.87g/t	25 to 45g/t
Eastern Limb	~60m	0.5m to 2m	76.70g/t	15.27g/t	5 to 15g/t
Eastern Limb North	~50m	20cm to 1m	48.70g/t	10.72g/t	5 to 10g/t
East Side South	~60m	20cm to 2m	293g/t	43.65g/t	10 to 20g/t
East Side North	~20m	20cm to 1m	354g/t	69.54g/t	15 to 20g/t
Old Pirate South	~70m	20cm to 8m	1,490g/t	83.15g/t	15 to 25g/t

- Trialling of leach-well assays, using significantly larger sample sizes than fire assays indicating 13% more gold than fire assay.

Trial Mining and Processing Update

ABM is committed to a staged approach to the development of the Old Pirate High-Grade Gold Project. Stage One, conducted under an exploration license, involves the extraction and processing of up to 10,000 tonnes of gold-bearing material to test the system for grade reconciliation, recovery and dilution management. ABM anticipates that Trial Mining and Processing, using a modular pilot processing plant, will increase geological understanding of the mineralisation controls as well as expose new mineralised zones not previously identified as part of exploration work to date. The Trial Mining is ABM's equivalent of a feasibility study but has the advantage of providing more robust data, as well as producing saleable gold.

The Pilot Processing Facility

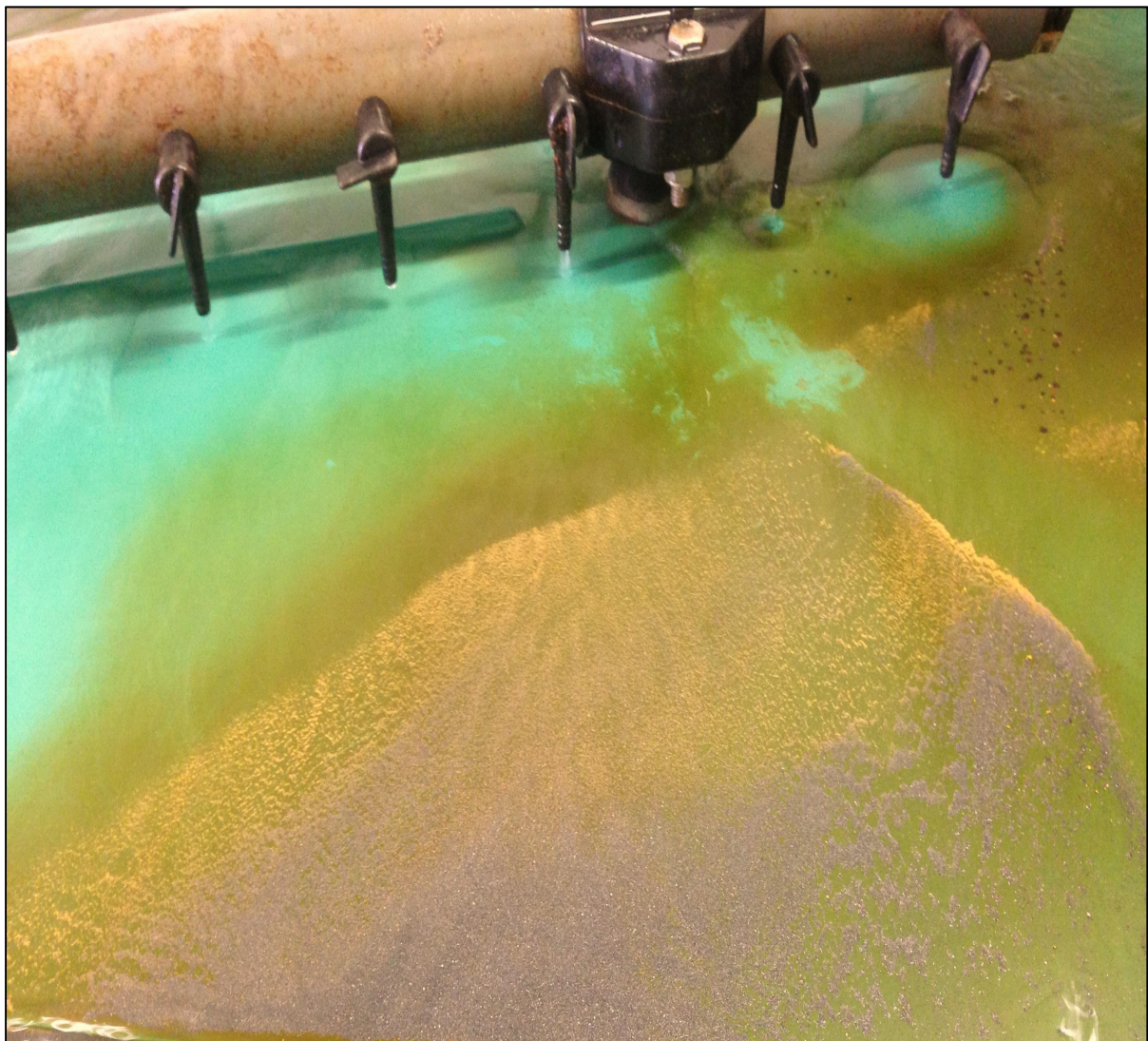


Figure 2. Fine gold in concentrate on the Gemini Table. Field of view ~ 50cm.

ABM continues to optimise throughput and improve recovery at the pilot processing plant. The Company has been adjusting and trialling various rates of throughput and slurry density to achieve optimal recoveries and maximise sustainable throughput. The Knelson Concentrator is recovering both the fine and coarse gold. Currently the coarse gold jig is bypassed to simplify the circuit, prevent bogging of lines and maintain a steady state throughput of 15 tonnes per hour. The jig will be re-integrated as and when appropriate. Given the

outstanding performance and capacity of the Knelson Concentrator the bypassing of the jig is not thought to materially affect recoveries.

The Company does not have an on-site laboratory and hence is waiting on assays of the tails to assess the overall recovery. However, panning of tailings samples has revealed negligible amounts of gold compared to the gold being captured in the Knelson Concentrator and seen across the Gemini Table. It is normal for gold to build up in the circuit during the early stages of processing and the Company has observed steadily increasing gold-in-concentrate as gold-in-circuit builds up and reaches a steady state.

High-grade, gold-bearing concentrate is being securely stored on site in preparation for campaign smelting. Test smelting of concentrate has been carried out to assess how much upgrading is required for a smelt product and the gold separated well from the slag in the furnace.

Trial Mining – Grade-Control and Selection of Bench 2 Zones

ABM is trial mining selected areas of the Old Pirate mineralised system. The selected areas have been chosen based on grade and mining width as well as choosing a reasonable representation of the various geological / vein styles of the system. It should be noted that not all mineralised zones / veins will be mined during Trial Mining; and other near or at surface veins will be mined as part of Stage Two mining. The first bench (1 to 1.5m depth) is complete and over 5,000 tonnes of material has been extracted. The second bench mining is underway and is complete at the Golden Hind area. The Company is intentionally mining the system slowly to allow time for geological mapping and sampling. The geological information collected is a very important part of the trial process and will be used to design the mine for Stage Two.

Detailed grade-control sampling has been completed for the top of the second bench of the Trial Mine areas. Grade-control sampling has included both cross-sampling (orthogonal to strike direction of the veins) and longitudinal sampling (parallel to strike direction of the veins). The cross-sampling involves cutting a channel across the mineralised zones at 5 to 25m spacing and collecting samples to geological boundaries and contacts. The longitudinal sampling is similar to the longitudinal trenching conducted at surface by the Company during 2011 and 2012. Whilst represented as a point on maps, longitudinal sampling involves collecting representative channel samples from along the strike of the vein over a nominal 2.5 metre length. The vein widths / mineralised zone widths are established in the cross-trench work.

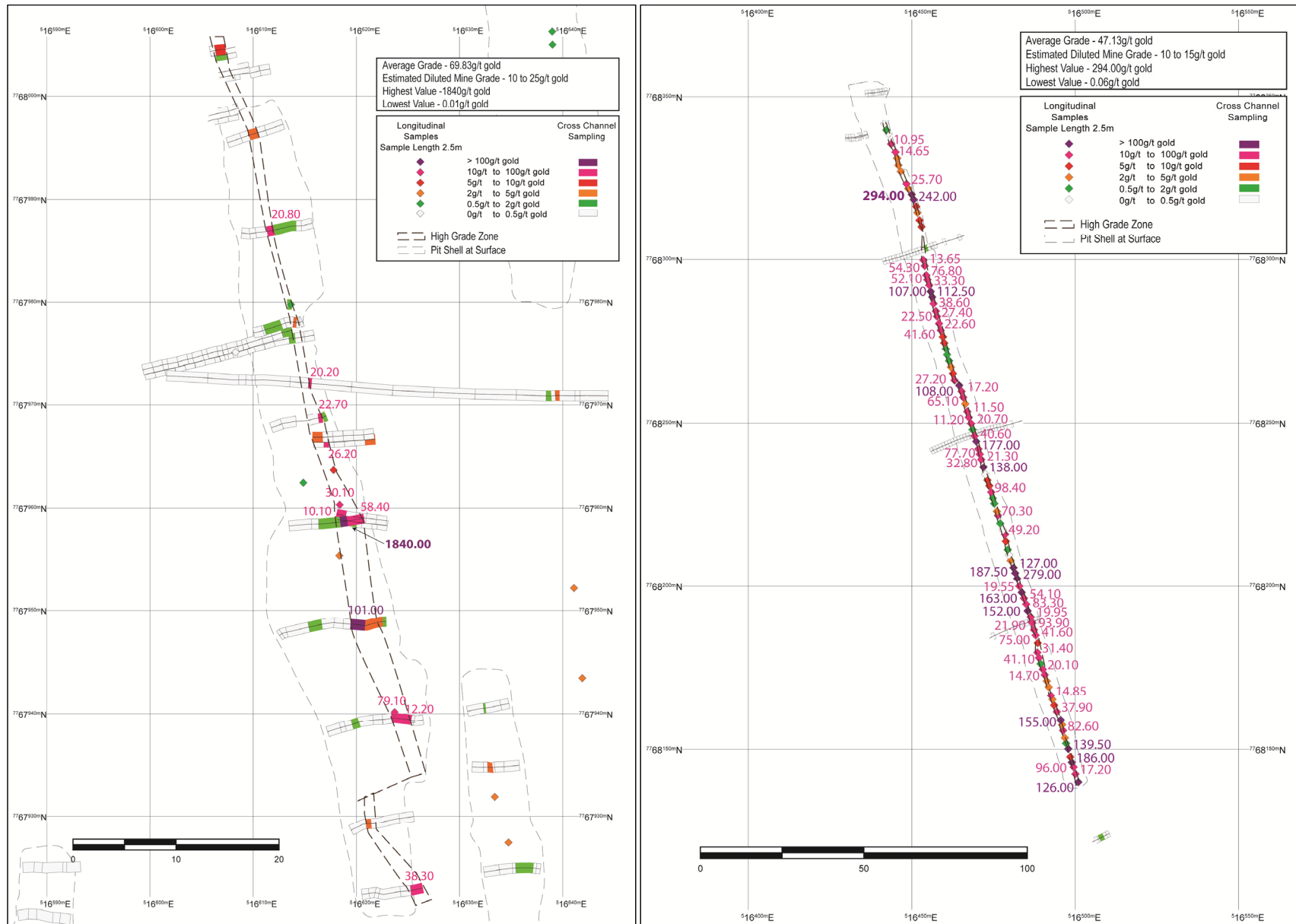
Grade-control, in general, has reconciled with previous surface work and is within the bounds expected from the resource estimation work. There is evidence that high-grade zones within individual veins are plunging to the south as per the resource model. Several veins have revealed good 'blow-outs' where the vein width increases over a short-strike length to increase overall tonnes per vertical metre. It is important to note that in a coarse gold / high-grade system such as Old Pirate grade-control is used as a guide only. During Trial Mining the digging is guided by the grade-control data, the geological mapping and the supervising geologist following the visible gold in veins.

Some samples are still pending assay and the zones presented here may change as information comes to hand. Table 1 summarises the potential high-grade zones for Bench 2 mining.

Table 1. Summary of Bench 2 grade-control data. Refer to Appendix 2 for grade-control data.

Potential Bench 2 Mining area	Anticipated strike length for Bench 2	Geological description	Vein widths or mineralised zone widths	Peak grade-control assay (g/t gold)	Average vein grade (g/t gold)	Estimated diluted Trial Mine head-grade (g/t gold)
Heartland Veins	~80m	Narrow grey shear veins with coarse gold.	20cm to 3m	1,840g/t	69.83g/t	10 to 25g/t
Western Limb North	~200m	Narrow vein hosted in shale, very straight.	20cm to 0.5m	294g/t	47.13g/t	10 to 15g/t
Central	~70m	Multiple veins of various orientations at fold nose / shear intersection. Quartz is very white with coarse visible gold.	1m to 6m	340g/t	20.12g/t	10 to 30g/t
Golden Hind	~70m	Very coarse gold in quartz veins and black shale / shear zones.	1m to 6m	331g/t	27.87g/t	25 to 45g/t
Eastern Limb	~60m	Anastomosing veins in shear zones / shale.	0.5m to 2m	76.70g/t	15.27g/t	5 to 15g/t
Eastern Limb North	~50m	Fine and coarse gold veins in shale.	20cm to 1m	48.70g/t	10.72g/t	5 to 10g/t
East Side South	~60m	Fine gold in veins hosted by shale.	20cm to 2m	293g/t	43.65g/t	10 to 20g/t
East Side North	~20m	Fine gold in veins hosted by shale.	20cm to 1m	354g/t	69.54g/t	15 to 20g/t
Old Pirate South	~70m	Fine gold in veins hosted by shale. Blow out zone averaging 159g/t and up to 8m wide.	20cm to 8m	1,490g/t	83.15g/t	15 to 25g/t

Estimated diluted Trial Mine head-grade is based on higher dilution factors for narrow veins along with grade-control, de-clustering of data points, reducing the influence of high-yield samples (such as 1,490g/t gold at Old Pirate South, and 1,840g/t gold at Heartland Veins), geological characteristics and in the case of Golden Hind, the high-grade coarse visible gold already observed in mining of Bench 2.



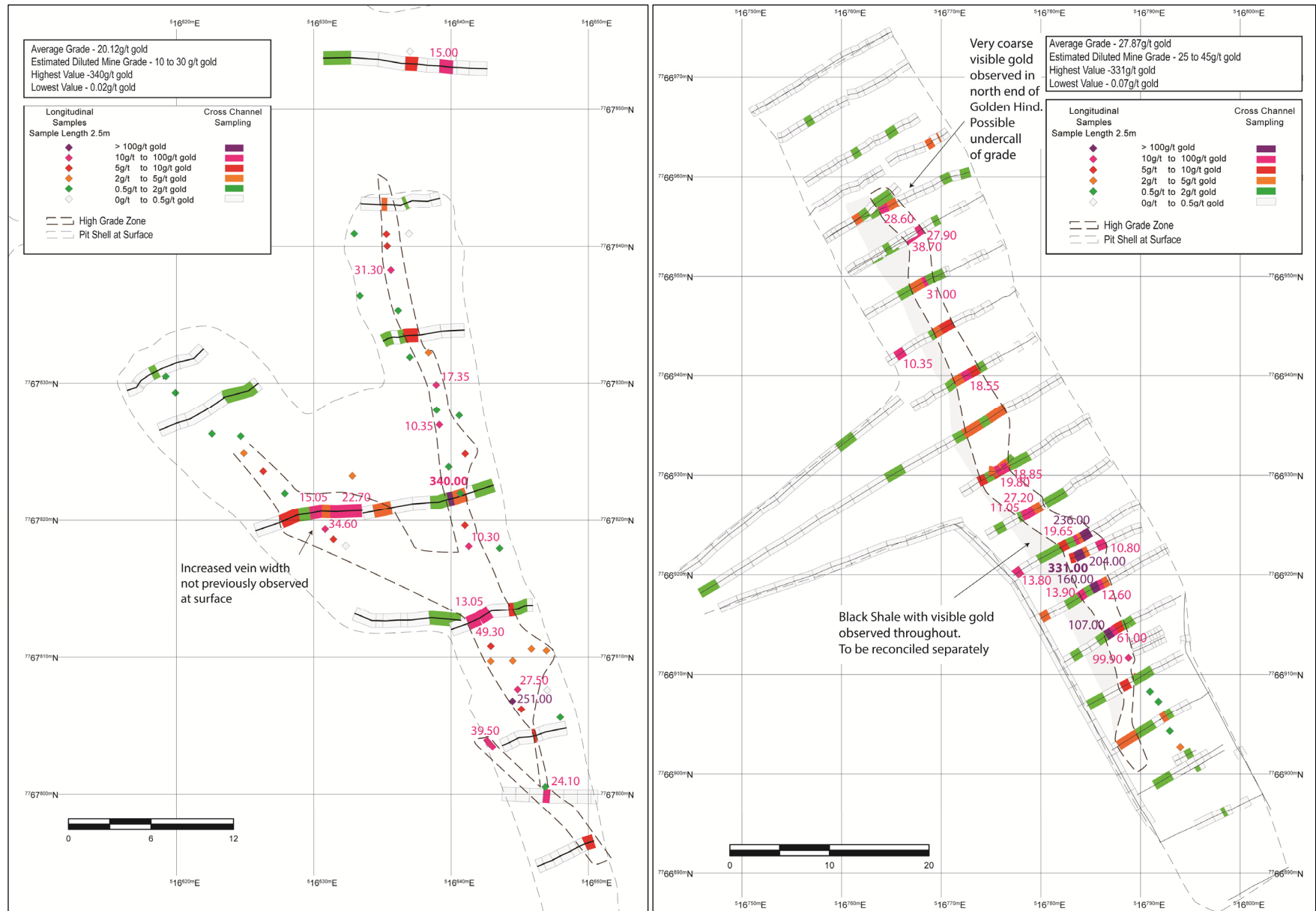
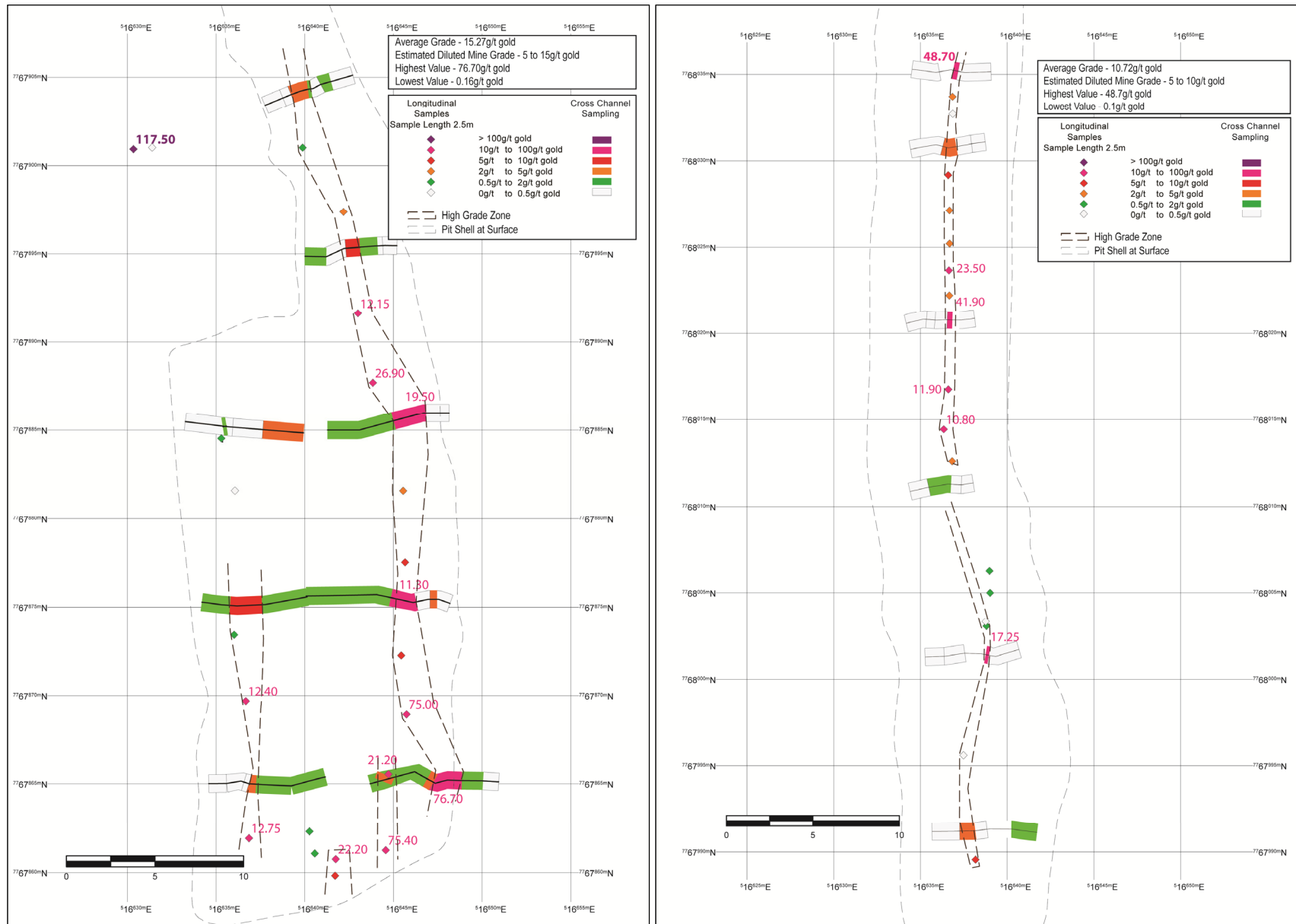


Figure 4. LEFT – Old Pirate Central grade-control data for second bench. RIGHT – Golden Hind grade-control data from top of second bench. Samples >10g/t labelled and for duplicate samples highest value shown.



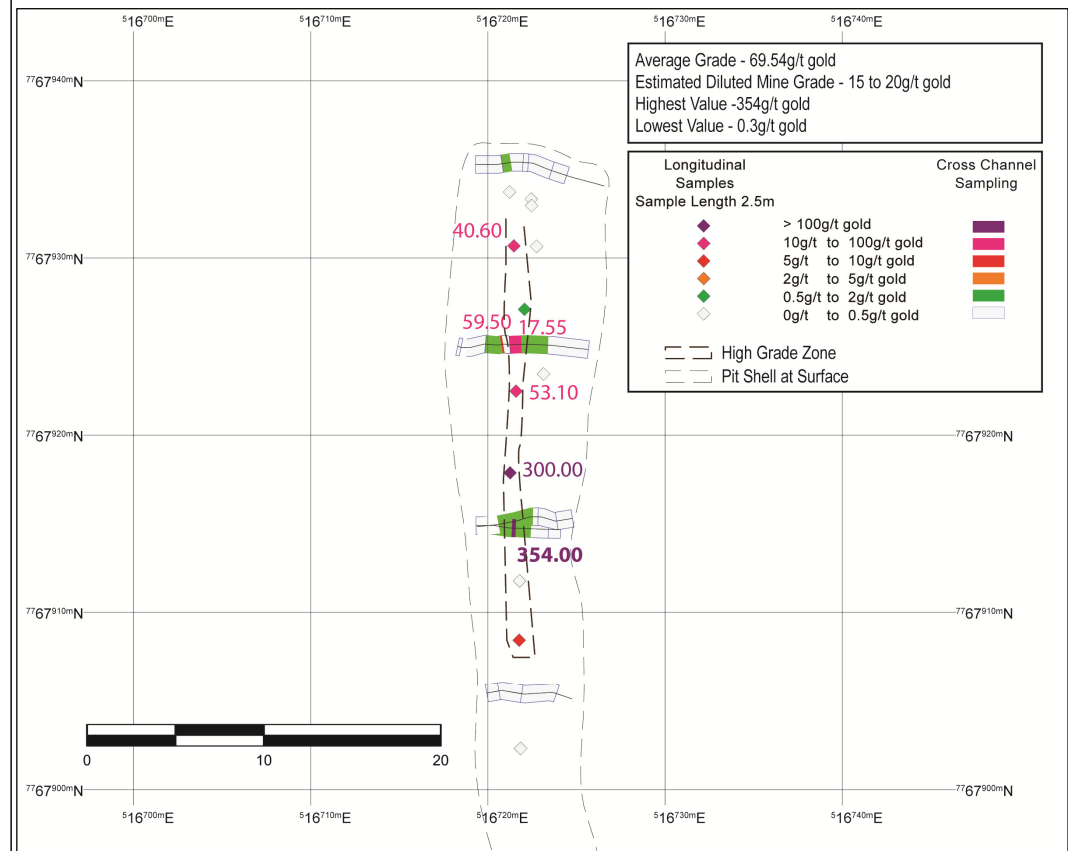
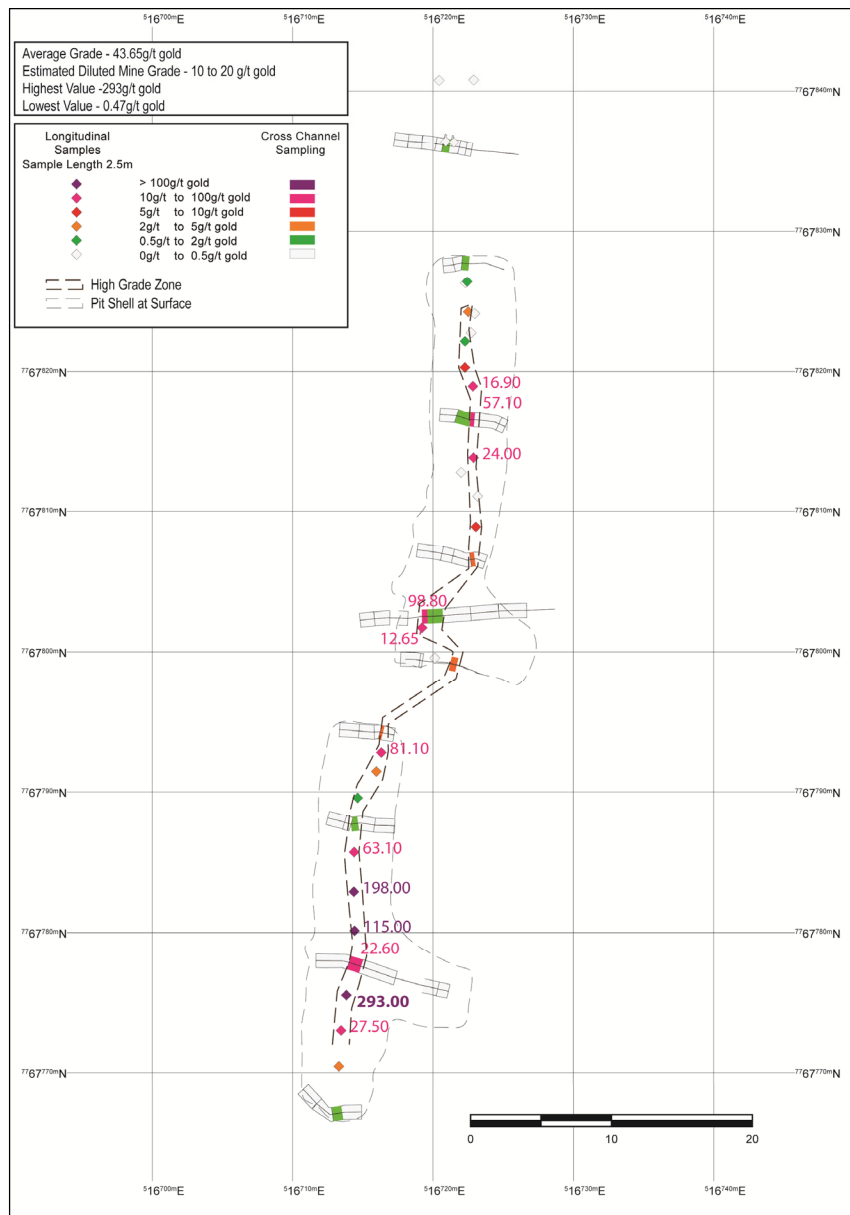
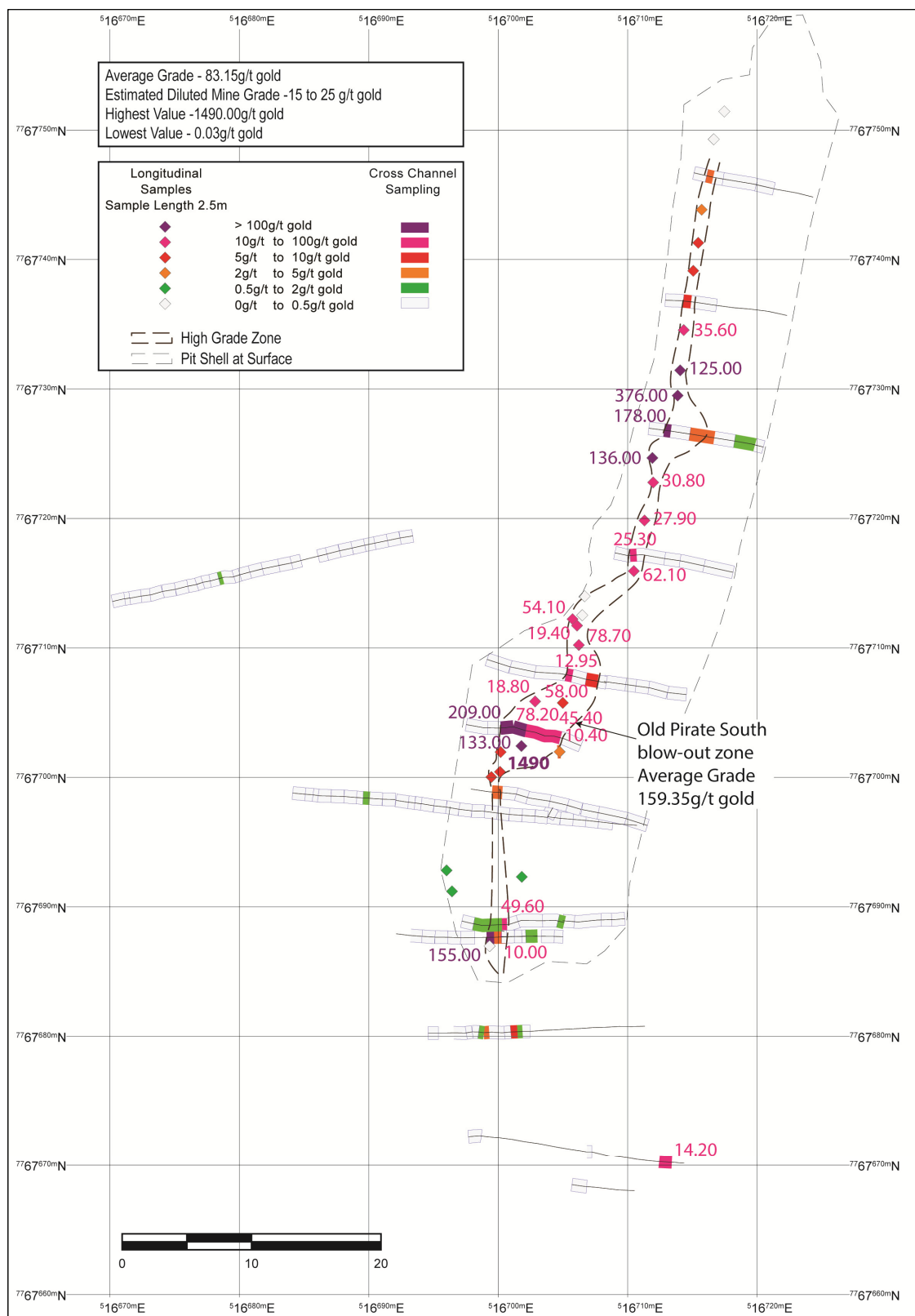


Figure 6. LEFT – East Side South grade-control data for second bench. RIGHT – East Side north grade-control data from top of second bench. Samples >10g/t labelled and for duplicate samples highest value shown.



. Figure 7. Old Pirate South grade-control data for second bench. Samples >10g/t labelled and for duplicate samples highest value shown.

Trialling of Different Assay Techniques

As detailed in the resource estimation and press release dated 04/02/2013, a key recommendation of external reviewers was for ABM to trial different assay techniques to help better analyse the coarse gold. The Company has typically used fire assay where an entire sample is pulped and homogenised and a 30 to 50g charge is taken for fire assay. This is a common assay method but in coarse gold systems the relatively small charge (30 to 50g) may not capture a piece of coarse gold and hence under-call. Leach-well analysis is an alternative to fire assay techniques and involves pulping and digesting an entire 500g sample for analysis and hence, due to the larger sample size, is considered more accurate. The leach-well process takes longer to complete and is more expensive and is not considered a practical technique to use in everyday grade-control. However, the Company has followed the recommendations of external consultants and selects every 20th sample greater than 1g/t gold to compare fire assay with leach-well analysis.

Of the 35 samples re-assayed using leach-well analysis a total of 24 samples (68%) showed a higher result from leach-well versus fire assay. The overall difference in the two techniques is approximately 13% (being that fire assay, on average, under-calls by approximately 13%). The higher grade samples (>80g/t) in particular show a marked increase in grade when leach-well assaying is conducted. The implication of this work is that fire assayed samples used in the resource estimation may have under-called the grade. This work is ongoing and further tests are being carried out. Refer to figure 8 below and also to Appendix 3.

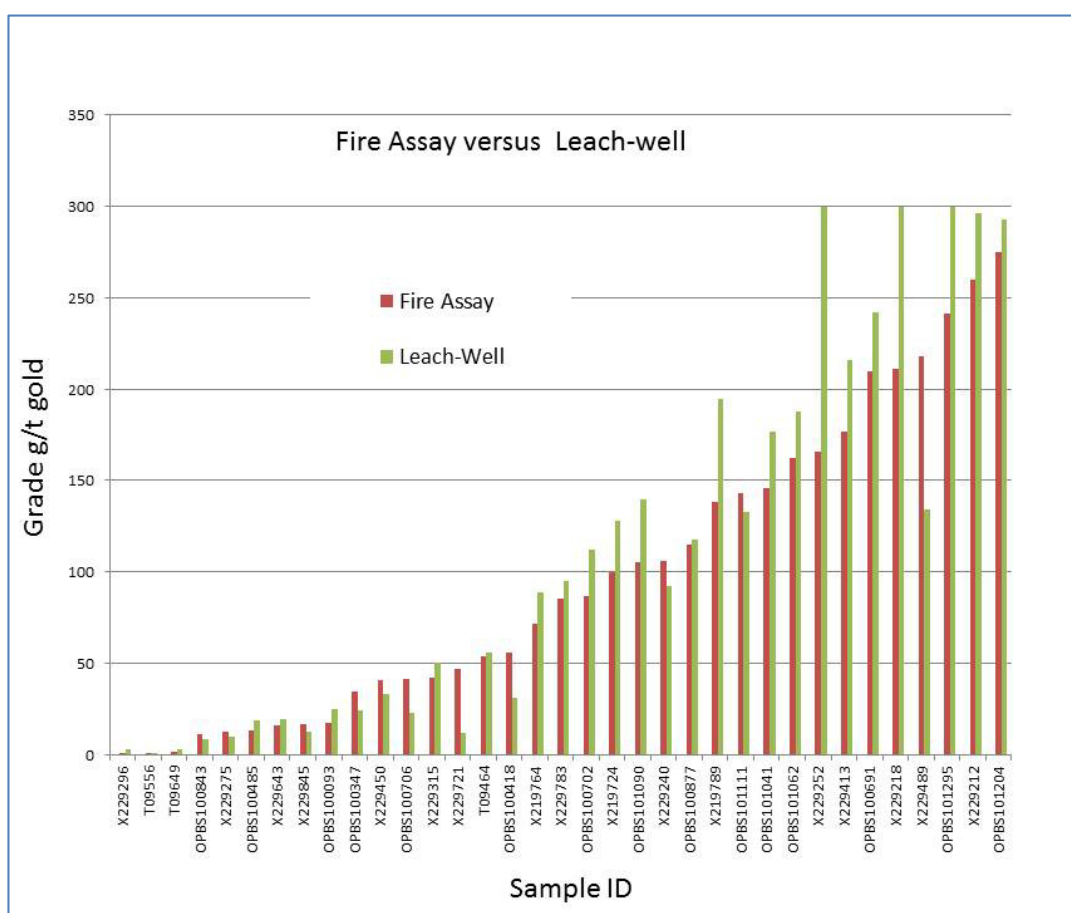


Figure 8. Fire Assay vs Leach-Well Test.

(Note - The upper limit of leach-well analysis is 300g/t gold and hence for samples grading >300g/t gold the value is top-cut and actual grade may be higher).

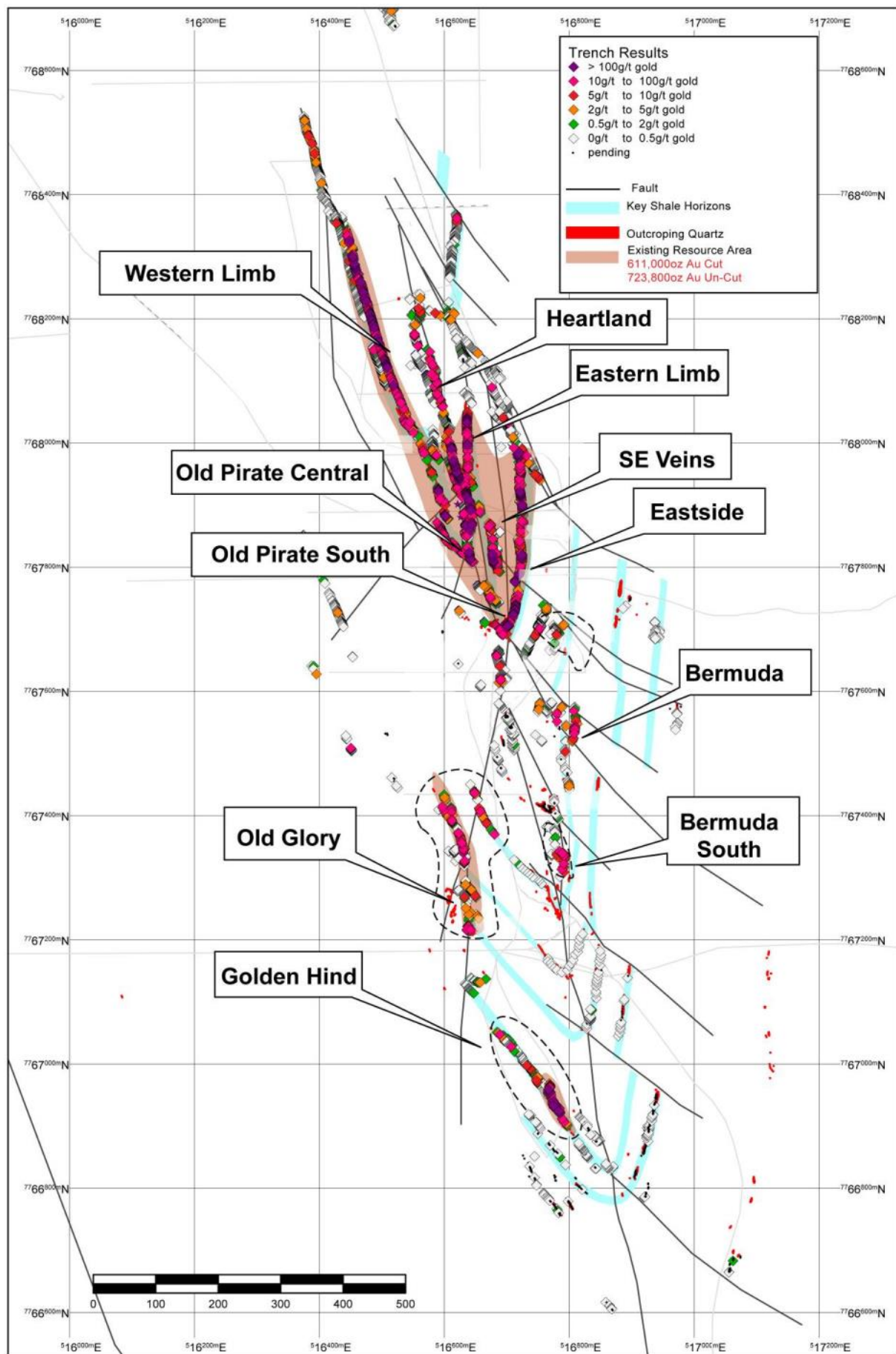


Figure 9. Old Pirate Trend Gold System.

About Old Pirate

The Old Pirate Trend consists of a series of gold-bearing quartz veins over a 1.8 kilometre strike length, consisting of 3 distinct vein clusters of mineralisation named Old Pirate, Old Glory and Golden Hind deposits. Gold mineralisation is hosted primarily within narrow quartz veins of between 20cm and 6m in width. Mineralised zones are up to 40m in width and consist of multiple veins hosted primarily within sedimentary shale horizons which are part of a turbidite sequence (interbedded sandstone and shales). Structurally the turbidite sequence has been folded into a faulted anticline.

The Old Pirate Gold Deposit has a total uncut mineral resource estimate of **1.88Mt averaging 11.96g/t gold for 723,800 ounces** (refer Appendix 1) and has a number of key advantages compared to other projects in Australia. Firstly, metallurgical test work indicates that up to 97.3% of gold can be recovered from low cost / low capital expenditure gravity processing methods (refer release dated 05/09/2012). Secondly, there is abundant high-grade gold observed in multiple quartz veins extending from surface to depths of greater than 200m. The project has a high coarse gold content (statistical nugget effect) resulting in a high variability of grade between samples. By trialling multiple techniques, the Company has established that the collection of larger sample sizes results in a generally higher grade assay. This sampling effect is typical in coarse gold systems where drilling generally under-calls the overall grade.

As a result, the Company is not undertaking the standard feasibility study process involving detailed desktop studies and drilling, but is instead conducting a staged approach to development where the Trial Mining (Bulk Sampling) forms a key part of determining the costs and feasibility of a full-scale mine, and allows for ongoing 'in-mine' exploration. The Trial Mining involves installation of a gravity gold plant that will be used and expanded in the subsequent stages.

The staged process takes advantage of the low engineering risk at Old Pirate and allows the Company to keep up-front capital expenditure to a minimum. The objective is for each stage of development to be profitable with quick payback periods, and to provide the capital required for the subsequent stages from cash flow.

About ABM Resources

ABM is an exploration Company developing several gold discoveries in the Central Desert region of the Northern Territory of Australia. The Company has a multi-tiered approach to exploration and development with a combination of high-grade potentially short-term production scenarios such as the Old Pirate High-Grade Gold Project (currently undergoing Trial Mining), large scale discoveries such as Buccaneer, and regional exploration discoveries such as the Kroda Gold Project. In addition, ABM is committed to regional exploration programs throughout its extensive holdings.

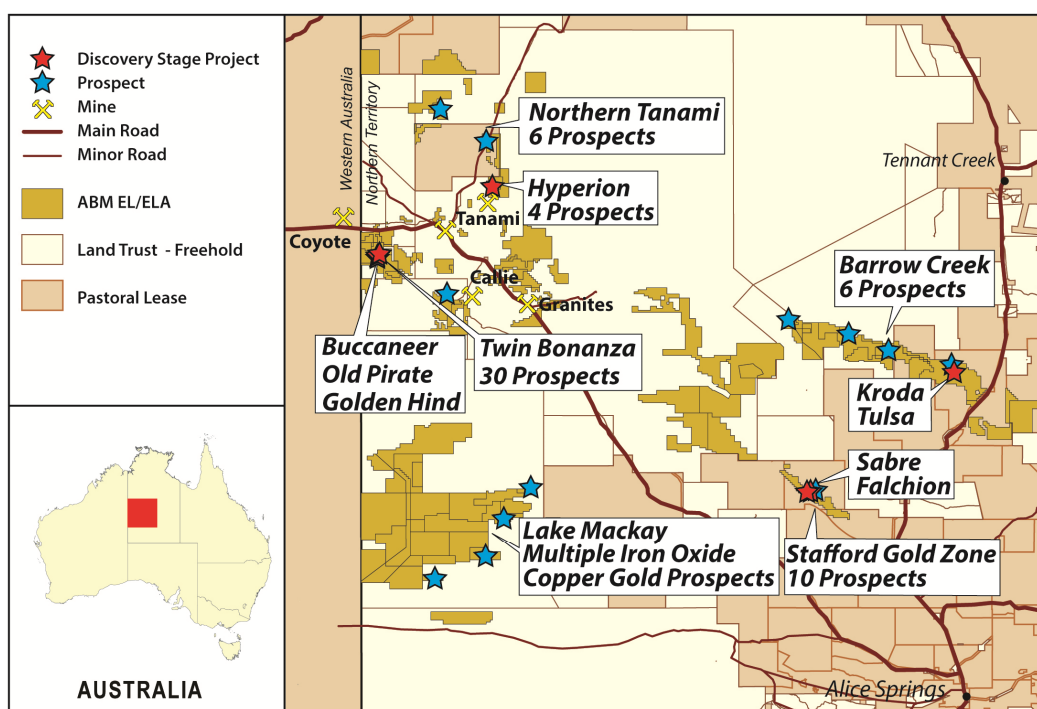


Figure 10. ABM Project Location Map in Northern Territory.

Signed

Darren Holden – Managing Director

Competent Persons Statement

The information in this report that relates to Exploration Results or Mineral Resources is based on information compiled by Mr Darren Holden who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Holden is a full time employee of ABM Resources NL and 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 2004 Edition of the "Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves". Mr Holden consents to the inclusion in the documents of the matters based on this information in the form and context in which it appears.

For Further Information Please Contact

Jutta Zimmermann
CFO / Company Secretary
+61 8 9423 9777

Darren Holden
Managing Director
+61 8 9423 9777

Berdine Mastaglia
Investor Relations Manager
+61 8 9423 9777

APPENDIX 1. Resource Estimations

1. Old Pirate Resources Estimations

Table 1.1 Old Pirate Trend Overall High-Grade Mineral Resource Estimation February 2013

Category	Tonnes	Gold Grade (g/t) (300g/t top-cut)	Gold Grade (g/t) (uncut)	Ounces Gold (300g/t top-cut)	Ounces Gold (uncut)
Indicated	889,000	8.19	8.93	234,100	255,300
Inferred	993,000	11.80	14.67	376,900	468,500
Total	1,882,000	10.10	11.96	611,000	723,800

Mineral Resources estimated at 1g/t cut-off except for the Central Zone estimated at a 3g/t cut-off. Totals may vary due to rounding. There is an additional 414,900 tonnes averaging 1.74g/t gold for 23,300 ounces of gold in low-grade Indicated Resource in the Central Zone (>1g/t, <3g/t cut-offs).

For further information refer to ASX release dated 04/02/2013.

2. Buccaneer HGZ Resources Estimations

Table 2a. Combined Resource Estimation with no top-cut, using a 1g/t block model cut-off

	Tonnes	Gold (g/t)	Ounces
Indicated	7,117,000	2.25	515,300
Inferred	8,183,000	2.78	732,200
Total	15,300,000	2.54	1,247,500

Table 2b. Combined Resource Estimation using a variable top-cut, and a 1g/t block model cut-off

	Tonnes	Gold (g/t)	Ounces
Indicated	7,117,000	2.00	458,500
Inferred	8,183,000	2.43	639,700
Total	15,300,000	2.23	1,098,200

Table 2c. Combined Resource Estimation with no top-cut, using a 2g/t block model cut-off

	Tonnes	Gold (g/t)	Ounces
Indicated	2,261,000	4.17	303,000
Inferred	3,573,000	4.56	523,500
Total	5,834,000	4.41	826,500

Table 2d. Combined Resource Estimation using a variable top-cut, and a 2g/t block model cut-off

	Tonnes	Gold (g/t)	Ounces
Indicated	2,261,000	3.39	246,200
Inferred	3,573,000	3.75	431,100
Total	5,834,000	3.61	677,300

Note – totals may vary due to rounding

For further information refer to ASX release dated 05/02/2013.

3. Twin Bonanza Global Resource (Old Pirate and Buccaneer)

Table 3.1 Twin Bonanza Global Resource with Old Pirate at 1g/t cut-off & Buccaneer at 2.0g/t cut-off

Project	Tonnes all categories	Grade (g/t Au) all categories	Ounces gold
Old Pirate Trend	1,882,000	10.1	611,000
Buccaneer HGZ	5,834,000	3.61	677,300
Total	7,716,000	5.19	1,288,300

Table 3.2 Twin Bonanza Global Resource with Old Pirate & Buccaneer at 1.0g/t cut-off

Project	Tonnes all categories	Grade (g/t Au) all categories	Ounces gold
Old Pirate Trend	1,882,000	10.1	611,000
Buccaneer HGZ	15,300,000	2.23	1,098,200
Total	17,182,000	3.10	1,709,200

Note – totals may vary due to rounding

For further information refer to ASX release dated 05/02/2013.

APPENDIX 2. Longitudinal and Cross Channel Samples

All samples in the below tables collected by ABM personnel relate to samples in the Bench 2 potential mining areas only. Samples outside of those areas are not shown. Samples fall within the overall high-grade zones and are used as grade-control for Bench 2. Longitudinal samples are collected over a nominal 2.5m length parallel to vein. The cross-channel samples are collected orthogonal to the strike of the vein with samples selected to geological boundaries. All samples assayed by ALS Global in Alice Springs and Perth using Fire Assay AA-26d and for samples over 100g/t AA26d-overlimit dilution method. Select samples also re-assayed using leach-well analysis (refer Appendix 3).

Table A1. Western Limb North Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS100690	516450.0	7768320.0	447.9	294.00
OPBS101063	516482.2	7768202.4	448.7	279.00
OPBS100691	516450.6	7768318.4	448.0	242.00
OPBS101062	516481.6	7768204.2	448.6	187.50
OPBS101092	516499.0	7768146.0	448.8	186.00
OPBS101041	516469.7	7768244.5	448.4	177.00
OPBS101065	516483.6	7768198.1	448.7	163.00
OPBS101085	516495.6	7768158.9	448.9	155.00
OPBS101068	516485.4	7768192.4	448.7	152.00
OPBS101090	516497.9	7768150.1	448.8	139.50
OPBS101045	516471.9	7768236.5	448.5	138.00
OPBS101061	516481.1	7768205.8	448.6	127.00
OPBS101095	516500.9	7768140.0	448.8	126.00
OPBS100702	516456.3	7768288.5	448.0	112.50
OPBS101032	516464.5	7768261.4	448.5	108.00
OPBS100701	516455.8	7768290.2	448.1	107.00
OPBS101049	516474.3	7768228.9	448.6	98.40
OPBS101093	516499.5	7768144.6	448.8	96.00
OPBS101070	516486.9	7768188.8	448.8	93.90
OPBS101067	516485.0	7768194.5	448.8	83.30
OPBS101087	516496.3	7768155.8	448.8	82.60
OPBS101042	516470.4	7768242.2	448.5	77.70
OPBS100698	516454.5	7768295.2	448.2	76.80
OPBS101072	516487.9	7768185.0	448.7	75.00
OPBS101053	516476.4	7768221.7	448.7	70.30
OPBS101034	516465.8	7768257.8	448.5	65.10
OPBS100696	516453.5	7768299.8	448.1	54.30
OPBS101066	516484.3	7768196.2	448.8	54.10
OPBS100699	516454.8	7768293.8	448.1	52.10
OPBS101056	516478.5	7768216.0	448.6	49.20
OPBS100707	516458.9	7768278.4	448.2	41.60
OPBS101071	516487.4	7768186.7	448.8	41.60
OPBS101075	516488.9	7768178.1	448.7	41.10
OPBS101040	516469.2	7768246.1	448.4	40.60
OPBS100703	516456.7	7768286.5	448.0	38.60
OPBS101084	516494.4	7768161.4	448.9	37.90
OPBS100700	516455.3	7768292.2	448.1	33.30
OPBS101043	516470.8	7768240.6	448.5	32.80
OPBS101074	516488.4	7768179.7	448.6	31.40
OPBS100704	516457.4	7768284.2	448.0	27.40
OPBS101031	516463.1	7768263.0	448.5	27.20
OPBS100688	516448.4	7768323.2	447.7	25.70
OPBS100706	516458.3	7768280.5	448.1	22.60
OPBS100705	516457.7	7768282.6	448.2	22.50
OPBS101044	516471.3	7768239.0	448.4	21.30
OPBS101038	516468.1	7768249.9	448.5	20.70
OPBS101077	516490.1	7768174.6	448.8	20.10
OPBS101069	516486.4	7768190.5	448.8	19.95
OPBS101064	516482.9	7768200.0	448.7	19.55
OPBS101033	516465.2	7768259.6	448.5	17.20
OPBS101094	516500.1	7768142.5	448.8	17.20
OPBS101081	516492.6	7768166.5	448.9	14.85
OPBS101078	516490.7	7768172.9	448.8	14.70
OPBS100684	516445.0	7768332.9	447.6	14.65
OPBS100697	516454.0	7768298.0	448.3	13.65
OPBS101036	516467.0	7768253.5	448.5	11.50
OPBS101037	516467.4	7768251.8	448.6	11.20
OPBS100683	516443.7	7768335.4	447.6	10.95
OPBS101091	516498.5	7768147.7	448.8	9.74
OPBS101083	516493.6	7768163.4	448.7	9.10
OPBS100692	516451.4	7768316.3	447.9	8.83
OPBS101025	516459.9	7768274.5	448.5	8.78
OPBS101024	516459.5	7768276.4	448.3	8.67
OPBS101057	516478.8	7768213.9	448.7	8.33
OPBS101048	516473.7	7768230.8	448.7	8.02
OPBS101073	516488.5	7768182.6	448.7	7.68
OPBS100708	516459.5	7768276.4	448.3	7.61
OPBS100694	516452.4	7768312.1	448.1	7.55
OPBS100695	516453.0	7768310.2	448.0	6.77

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS101030	516462.6	7768265.0	448.7	6.42
OPBS101047	516473.2	7768232.5	448.6	5.30
OPBS100693	516451.7	7768314.5	448.0	4.89
OPBS101079	516491.3	7768171.0	448.9	4.84
OPBS100689	516448.9	7768321.8	447.8	4.43
OPBS101035	516466.4	7768255.8	448.5	4.08
OPBS100686	516445.9	7768328.9	447.7	3.46
OPBS101052	516476.0	7768223.0	448.6	3.28
OPBS100687	516446.6	7768327.0	447.7	3.13
OPBS101060	516480.3	7768208.0	448.6	3.04
OPBS101029	516462.0	7768267.0	448.6	2.85
OPBS101088	516496.9	7768153.5	448.8	2.55
OPBS100685	516445.5	7768331.1	447.6	2.54
OPBS101086	516496.0	7768157.5	448.9	2.24
OPBS101082	516493.0	7768165.3	448.8	2.19
OPBS101058	516479.4	7768211.3	448.7	1.99
OPBS101089	516497.2	7768151.9	448.8	1.93
OPBS101076	516489.4	7768176.3	448.8	1.16
OPBS101054	516477.1	7768219.3	448.7	1.11
OPBS101050	516474.8	7768227.0	448.6	1.02
OPBS101051	516475.2	7768225.4	448.6	1.02
OPBS101026	516460.4	7768272.7	448.5	0.76
OPBS101027	516460.8	7768270.8	448.5	0.68
OPBS101039	516468.6	7768248.1	448.5	0.63
OPBS101028	516461.4	7768268.9	448.6	0.60
OPBS100681	516442.2	7768339.6	448.1	0.55
OPBS100680	516441.6	7768341.6	447.9	0.13
OPBS100682	516442.8	7768338.5	447.6	0.09

Table A2. Western Limb Cross Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
T09457	516486.7	7768189.1	449.2	0.5	21.90
T09422	516469.3	7768246.8	448.0	1.0	4.92

Table A3. Eastern Limb North Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS101594	516636.6	7768023.7	449.8	23.5
OPBS101592	516636.6	7768016.8	450.0	11.9
OPBS101591	516636.3	7768014.4	450.0	10.8
OPBS101585	516638.2	7767989.6	450.1	9.73
OPBS101597	516636.6	7768029.2	450.0	6.1
OPBS101593	516636.7	7768022.2	450.0	3.91
OPBS101595	516636.7	7768025.2	449.7	3.88
OPBS101599	516636.9	7768033.7	450.1	3.44
OPBS101590	516636.8	7768012.6	450.0	3.28
OPBS101596	516636.7	7768027.1	449.9	2.84
OPBS101587	516638.8	7768003.1	450.2	0.54
OPBS101586	516637.5	7767995.6	450.1	0.31
OPBS101598	516636.9	7768032.7	450.0	0.1

Table A4. Eastern Limb North Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
OPBS101555	516636.9	7768035.2	450.1	0.3	48.70
OPBS101565	516636.7	7768020.9	450.0	0.3	41.90
OPBS101575	516639.0	7768001.4	450.1	0.2	17.25
OPBS101559	516636.8	7768030.9	450.0	0.5	4.72
OPBS100990	516638.8	7768003.3	450.4	0.4	0.12

Table A5. East Side North Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS101295	516721.3	7767917.9	451.0	300
OPBS101293	516721.6	7767922.5	451.1	53.1
OPBS101292	516721.5	7767930.7	451.0	40.6
OPBS101297	516721.8	7767908.4	451.3	5.66
OPBS101289	516722.1	7767927.1	451.1	0.85
OPBS101296	516721.8	7767911.8	451.2	0.3

Table A6. East Side North Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
T09570	516721.5	7767914.7	451.7	0.2	354.00
OPBS101277	516721.9	7767925.1	451.1	0.4	59.50
OPBS101276	516721.5	7767925.1	451.0	0.3	17.55
OPBS101264	516721.8	7767915.3	451.1	0.9	1.76
OPBS101263	516721.0	7767915.0	451.1	1.1	0.81
OPBS101275	516721.2	7767925.1	450.9	0.4	0.30

Table A7. Eastern Limb Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS101492	516644.6	7767861.3	450.9	75.4
OPBS101491	516645.7	7767869.0	451.0	75
OPBS100925	516641.7	7767860.7	451.6	22.2
OPBS101487	516643.8	7767887.7	450.9	26.9
OPBS101495	516636.9	7767861.9	451.0	12.75
OPBS101496	516636.7	7767869.7	450.8	12.4
OPBS101549	516643.0	7767891.6	450.8	12.15
OPBS101490	516645.4	7767872.3	450.9	8.32
OPBS101493	516641.7	7767859.8	451.0	7.97
OPBS101489	516645.7	7767877.5	450.8	7.66
OPBS101548	516642.2	7767897.4	450.9	4.32
OPBS100992	516644.5	7767865.4	451.2	4.11
OPBS101488	516645.6	7767881.6	450.9	2.56
OPBS101497	516636.0	7767873.4	450.7	0.71

Table A8. Eastern Limb Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
OPBS101463	516645.4	7767864.9	450.9	0.8	76.70
OPBS101461	516644.8	7767864.9	450.9	0.9	21.20
OPBS101483	516646.0	7767885.7	450.9	1.9	19.50
OPBS101472	516645.5	7767875.6	450.9	1.5	11.30
OPBS101510	516642.6	7767895.4	450.8	0.8	7.24
OPBS101469	516636.7	7767875.1	450.6	1.8	6.80
OPBS101517	516640.0	7767904.3	450.9	0.3	3.94
OPBS101460	516644.3	7767865.0	450.8	0.4	2.78
OPBS101456	516637.1	7767865.1	450.8	0.4	2.46
OPBS101518	516640.3	7767904.3	450.8	0.2	1.96
OPBS101508	516640.6	7767894.9	450.9	1.2	0.54
OPBS100761	516641.3	7767900.3	450.8	0.4	0.32
OPBS101466	516647.5	7767864.9	451.0	0.9	0.20
OPBS101509	516641.7	7767895.1	450.8	1.2	0.16

Table A9. Heartland Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS100986	516623.7	7767940.2	450.4	79.1
OPBS100663	516618.4	7767960.3	451.4	30.1
OPBS100987	516617.8	7767963.7	450.2	9.92
OPBS100989	516613.7	7767979.8	450.0	0.65

Table A10. Heartland Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
OPBS101633	516618.5	7767958.6	449.7	0.7	1840.00
OPBS101627	516620.2	7767948.6	450.0	1.4	101.00
OPBS101637	516619.6	7767958.8	449.8	1.7	58.40
OPBS101605	516624.5	7767922.8	451.2	1.2	38.30
t09267	516617.1	7767966.3	451.0	0.5	26.20
OPBS101642	516616.4	7767968.7	449.6	0.4	22.70
OPBS101655	516611.7	7767986.9	450.0	0.7	20.80
OPBS100958	516615.4	7767972.0	450.1	0.3	20.20
OPBS101617	516624.4	7767939.4	450.2	1.9	12.20
T09245	516618.5	7767959.3	451.2	1.0	10.10
T09251	516618.6	7767958.8	451.2	1.0	9.69
t09302	516606.7	7768004.5	450.7	1.0	5.37
t09259	516616.3	7767966.8	451.1	1.0	4.71
OPBS101607	516621.2	7767929.4	449.9	0.5	3.32
OPBS101661	516609.9	7767996.2	449.8	0.9	3.27
OPBS101628	516621.8	7767948.8	450.1	1.8	3.01
OPBS101649	516614.0	7767977.9	449.8	0.3	2.29
t09306	516606.9	7768004.0	450.7	1.0	1.13
T09253	516619.5	7767958.6	451.0	1.0	1.12
OPBS101641	516615.8	7767968.5	449.7	1.0	0.21
T09246	516619.5	7767959.1	451.0	1.0	0.16
t09266	516616.3	7767966.3	451.1	1.0	0.16
T09248	516620.5	7767959.0	451.1	1.0	0.09
T09254	516620.2	7767958.5	451.1	0.5	0.09
t09260	516617.1	7767966.8	451.0	0.5	0.08
OPBS101650	516614.3	7767977.9	449.7	0.3	0.04
t09243	516614.6	7767976.6	450.6	0.9	0.04
t09294	516607.4	7768001.9	450.5	1.0	0.01
t09296	516607.9	7768002.0	450.5	0.5	0.01

Table 11. Old Pirate South Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS101167	516701.8	7767702.4	451.3	1490
OPBS101152	516713.9	7767729.5	451.4	376
OPBS101153	516711.9	7767724.7	451.3	136
OPBS101151	516714.1	7767731.4	451.5	125
OPBS101161	516706.2	7767710.2	451.2	78.7
OPBS101158	516710.5	7767715.9	451.4	62.1
OPBS101166	516702.8	7767705.9	451.1	58
OPBS101165	516705.7	7767712.2	452.4	54.1
OPBS101150	516714.3	7767734.6	451.4	35.6
OPBS101154	516712.0	7767722.8	451.4	30.8
OPBS101157	516711.3	7767719.8	451.3	27.9
OPBS101164	516706.1	7767711.7	451.8	19.4
OPBS101172	516700.5	7767688.1	451.2	10
OPBS101148	516715.5	7767741.3	451.4	8.37
OPBS101169	516700.1	7767700.4	451.4	7.65
OPBS101162	516705.0	7767705.8	451.3	7.28
OPBS101149	516715.1	7767739.1	451.4	7.12
OPBS101168	516700.2	7767702.0	451.4	5.65
OPBS101170	516699.5	7767700.0	451.5	5.07
OPBS101147	516715.7	7767743.8	451.3	3.6
OPBS101160	516706.5	7767712.5	451.9	0.32
OPBS101175	516699.3	7767687.0	451.3	0.29

Table A12. Old Pirate South Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
OPBS101112	516701.9	7767703.7	451.3	1.0	209.00
OPBS101010	516713.1	7767726.8	451.2	0.5	178.00
T09561	516699.3	7767687.7	452.0	0.6	155.00
OPBS101111	516700.9	7767703.8	451.3	1.0	133.00
OPBS101115	516703.6	7767703.2	451.2	0.7	78.20
OPBS101135	516700.3	7767688.8	451.2	0.4	49.60
OPBS101117	516704.4	7767703.1	451.3	0.9	45.40
OPBS101018	516710.5	7767717.1	451.4	0.5	25.30
OPBS101113	516702.8	7767703.5	451.2	0.8	18.80
OPBS101099	516705.3	7767708.0	451.1	0.5	12.95
OPBS101118	516705.0	7767703.0	451.4	0.4	10.40
OPBS101101	516707.0	7767707.6	451.2	0.9	9.92
OPBS101002	516714.6	7767736.8	451.5	0.6	6.96
OPBS101121	516699.8	7767698.8	451.5	0.8	3.05
OPBS100994	516716.3	7767746.4	451.3	0.5	3.00
OPBS101013	516715.7	7767726.4	451.3	1.9	2.62
T09562	516700.0	7767687.7	451.9	0.9	2.02
OPBS101012	516714.1	7767726.6	451.3	1.5	0.10
OPBS101100	516706.1	7767707.8	451.1	1.1	0.09
OPBS100184	516700.5	7767687.7	451.7	0.4	0.03

Table A13. Old Pirate Central Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS100659	516644.5	7767806.8	451.9	251
OPBS100658	516642.8	7767803.7	451.6	39.5
OPBS101427	516630.8	7767819.3	450.3	34.6
OPBS101433	516635.6	7767838.3	450.7	31.3
OPBS101449	516644.8	7767807.7	450.4	27.5
OPBS101436	516638.9	7767829.9	450.7	17.35
OPBS101438	516639.1	7767827	450.7	10.35
OPBS101443	516641.3	7767818.1	450.7	10.3
OPBS101450	516645.1	7767806.2	450.3	9.3
OPBS101440	516641	7767824.9	450.7	9.04
OPBS101425	516626.3	7767823.6	450.5	8.92
OPBS101432	516635.4	7767840	450.7	8.61
OPBS101445	516642.9	7767810.8	450.6	8.39
OPBS100974	516635.3	7767840.9	450.9	6.35
OPBS101442	516641	7767819.6	450.6	6.01
OPBS101428	516631.4	7767818.6	450.4	5.53
OPBS100978	516642.9	7767809.7	450.8	4.89
OPBS101447	516645.9	7767810.6	450.5	3.08
OPBS100976	516638.4	7767832.2	451.3	2.57
OPBS101424	516624.9	7767824.9	450.4	2.47
OPBS101446	516644.5	7767809.7	450.5	2.1
OPBS101452	516647	7767810.5	450.7	2
OPBS101434	516636.1	7767835.3	450.7	1.86
OPBS101441	516639.8	7767823.9	450.6	1.82
OPBS100977	516640.7	7767822	451	1.5
OPBS101437	516638.9	7767828	450.7	0.98
OPBS101426	516627.9	7767822	450.1	0.93
OPBS100872	516646.9	7767800.5	450.8	0.57
OPBS101429	516632.3	7767818.1	450.3	0.15

Table A14. Old Pirate Central Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
OPBS101376	516639.9	7767821.6	450.6	0.4	340.00
OPBS101361	516641.5	7767812.5	450.6	0.9	49.30
OPBS100347	516646.8	7767799.8	450.7	0.5	24.10
OPBS101396	516632.5	7767820.7	450.2	2.3	22.70
OPBS101398	516630.4	7767820.6	450.2	0.9	15.05
OPBS101363	516642.3	7767813.0	450.6	0.9	13.05
OPBS101353	516650.2	7767796.5	450.3	0.7	9.64
OPBS101387	516637.1	7767833.5	450.7	1.0	9.53
OPBS101366	516644.3	7767813.3	450.6	0.4	9.09
OPBS101400	516628.5	7767820.1	450.1	1.4	5.41
OPBS100395	516635.2	7767840.2	450.9	0.8	5.05
OPBS101397	516631.2	7767820.6	450.2	0.6	3.77
OPBS101391	516635.3	7767843.1	450.8	0.4	3.74
OPBS101371	516634.9	7767820.8	450.2	1.3	3.02
OPBS101377	516640.6	7767821.8	450.6	1.0	2.60
OPBS101399	516629.6	7767820.4	450.1	0.8	0.55
OPBS101365	516643.4	7767813.3	450.6	1.4	0.34
OPBS100396	516636.2	7767840.2	450.9	1.2	0.14
OPBS101370	516633.9	7767820.6	450.1	0.8	0.12
OPBS100346	516646.0	7767799.9	450.7	1.0	0.09
OPBS101352	516649.5	7767796.2	450.3	0.6	0.04
OPBS100348	516647.6	7767799.8	450.6	1.0	0.02

Table A15. East Side South Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS101204	516713.8	7767775.5	451.3	293
OPBS101202	516714.4	7767782.9	451.6	198
OPBS101203	516714.4	7767780.1	451.6	115
OPBS101198	516716.3	7767792.8	451.8	81.1
OPBS101201	516714.4	7767785.7	451.7	63.1
OPBS101205	516713.5	7767773.0	451.3	27.5
OPBS101238	516722.9	7767813.8	451.7	24
OPBS101237	516722.8	7767819.0	451.7	16.9
OPBS101244	516719.2	7767801.7	451.7	12.65
OPBS101240	516723.1	7767808.9	451.7	9.83
OPBS101236	516722.3	7767820.3	451.7	5.32
OPBS101234	516722.5	7767824.3	451.6	3.35
OPBS101199	516716.0	7767791.5	451.7	2.88
OPBS101235	516722.3	7767822.1	451.6	1.62
OPBS101200	516714.6	7767789.6	451.7	1.14
OPBS101239	516723.2	7767811.1	451.7	0.47

Table A16. East Side South Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
OPBS100136	516719.2	7767802.5	452.1	0.4	98.80
OPBS101220	516722.8	7767816.5	451.7	0.3	57.10
OPBS101181	516714.1	7767777.8	451.5	0.9	22.60
OPBS101215	516722.8	7767806.5	451.7	0.3	4.93
OPBS101195	516716.4	7767794.2	452.0	0.2	3.80
OPBS101210	516721.6	7767799.3	451.8	0.5	2.62
OPBS101188	516714.4	7767787.7	451.7	0.5	1.31
OPBS100138	516719.9	7767802.6	452.2	1.1	0.58

Table A17. Golden Hind Longitudinal Samples

Sample ID	Easting	Northing	Elevation	Gold (g/t)
OPBS101501	516788.8	7766911.7	452.7	99.9

Table A18. Golden Hind Channel Samples

Sample ID	Easting	Northing	Elevation	Width	Gold (g/t)
OPBS100096	516783.6	7766921.9	453.3	0.5	331.00
OPBS100573	516784.4	7766924.0	452.9	1.0	236.00
OPBS100097	516784.0	7766922.1	453.2	0.5	204.00
OPBS100588	516785.2	7766918.6	452.7	0.8	160.00
OPBS100605	516786.7	7766914.0	452.7	0.7	107.00
OPBS100607	516787.2	7766914.3	452.7	0.5	61.00
OPBS100403	516766.7	7766953.8	453.0	0.6	38.70
OPBS100418	516768.4	7766949.6	453.1	0.4	31.00
OPBS100818	516764.2	7766956.8	452.9	1.0	28.60
OPBS100402	516767.4	7766954.3	453.1	1.4	27.90
OPBS100548	516778.8	7766926.2	452.9	0.9	27.20
OPBS100078	516775.8	7766930.5	453.7	0.6	19.80
OPBS100571	516783.4	7766923.4	452.9	0.4	19.65
OPBS100534	516776.4	7766930.8	453.0	0.6	18.85
OPBS100485	516772.7	7766940.1	453.2	0.9	18.55
OPBS100589	516785.8	7766918.9	452.7	0.5	12.60
OPBS100547	516778.3	7766925.9	452.9	0.4	11.05
OPBS100100	516786.1	7766923.0	453.3	1.0	10.80
OPBS100095	516783.1	7766921.7	453.3	0.5	9.69
OPBS100468	516770.8	7766945.0	453.0	0.8	8.09
OPBS100620	516788.5	7766908.9	452.9	0.9	7.81
OPBS100569	516782.2	7766922.8	452.8	0.8	7.60
OPBS100469	516770.2	7766944.7	453.0	0.5	7.04
OPBS100533	516775.6	7766930.3	453.0	1.1	6.74
OPBS100484	516773.5	7766940.6	453.2	0.9	6.04
OPBS100531	516774.1	7766929.5	453.0	0.8	5.58
OPBS100609	516787.7	7766914.6	452.7	0.8	5.11
OPBS100473	516769.5	7766944.3	453.0	0.8	4.99
OPBS100079	516776.2	7766930.8	453.7	0.5	4.83
OPBS100551	516779.6	7766926.7	453.0	0.9	4.75
OPBS100499	516772.6	7766934.2	453.1	0.8	4.18
OPBS100591	516786.3	7766919.1	452.8	0.6	4.13
OPBS100819	516765.1	7766957.3	452.9	1.0	3.43
OPBS100572	516783.8	7766923.6	452.9	0.4	3.33
OPBS100077	516775.2	7766930.4	453.7	0.7	3.25
OPBS100498	516773.5	7766934.8	453.1	1.2	2.94
OPBS100098	516784.5	7766922.3	453.2	0.5	2.88
OPBS100631	516788.6	7766903.3	452.7	2.2	2.42
OPBS100495	516776.2	7766936.5	453.1	1.0	2.18
OPBS100080	516776.7	7766931.1	453.6	0.5	2.17
OPBS100419	516767.6	7766949.1	453.1	1.3	2.14
OPBS100496	516775.3	7766935.9	453.1	1.0	2.12
OPBS100486	516771.9	7766939.7	453.1	1.0	2.05
OPBS100570	516782.9	7766923.2	452.9	0.8	1.73
OPBS100587	516784.5	7766918.2	452.7	0.7	1.07
OPBS100532	516774.8	7766929.8	453.0	0.8	1.05
OPBS100546	516777.9	7766925.8	452.9	0.4	0.89
OPBS100497	516774.5	7766935.4	453.1	0.9	0.88
OPBS100610	516788.4	7766914.9	452.8	0.6	0.72
OPBS100117	516763.8	7766957.6	452.9	1.0	0.59
OPBS100118	516764.7	7766958.2	452.9	1.0	0.53
OPBS100621	516789.1	7766909.2	452.8	0.4	0.48
OPBS100099	516785.2	7766922.6	453.3	1.0	0.39
OPBS100130	516767.1	7766954.4	453.0	1.0	0.38
OPBS100552	516780.2	7766927.0	453.0	0.5	0.34
OPBS100129	516766.2	7766953.9	453.0	1.0	0.07

APPENDIX 3 COMPARISON OF FIRE ASSAY METHODS WITH LEACH-WELL METHODS.

Sample	Fire assay (g/t gold)	Leach-Well (g/t gold)	Difference (LW- FA) (g/t gold)	Percentage Change
X229296	0.86	3.27	2.41	280.23%
T09556	1.24	0.01	-1.23	-99.19%
T09649	1.9	3.07	1.17	61.58%
OPBS100843	11.3	8.77	-2.53	-22.39%
X229275	12.75	9.79	-2.96	-23.22%
OPBS100485	13.1	18.55	5.45	41.60%
X229643	16.3	19.2	2.9	17.79%
X229845	16.6	12.55	-4.05	-24.40%
OPBS100093	17.4	25	7.6	43.68%
OPBS100347	34.8	24.1	-10.7	-30.75%
X229450	41	33.3	-7.7	-18.78%
OPBS100706	41.2	22.6	-18.6	-45.15%
X229315	42.2	50.6	8.4	19.91%
X229721	46.7	11.65	-35.05	-75.05%
T09464	54	55.9	1.9	3.52%
OPBS100418	56.1	31	-25.1	-44.74%
X219764	71.8	88.8	17	23.68%
X229783	85.3	95.1	9.8	11.49%
OPBS100702	86.6	112.5	25.9	29.91%
X219724	99.6	128	28.4	28.51%
OPBS101090	105	139.5	34.5	32.86%
X229240	106	92.1	-13.9	-13.11%
OPBS100877	115	117.5	2.5	2.17%
X219789	138	194.5	56.5	40.94%
OPBS101111	143	133	-10	-6.99%
OPBS101041	146	177	31	21.23%
OPBS101062	162	187.5	25.5	15.74%
X229252	166	300*	134	80.72%
X229413	177	216	39	22.03%
OPBS100691	210	242	32	15.24%
X229218	211	300*	89	42.18%
X229489	218	134.5	-83.5	-38.30%
OPBS101295	241	300*	59	24.48%
X229212	260	296	36	13.85%
OPBS101204	275	293	18	6.55%
SUM	3424	3876	453	13.22%
AVERAGE	98	111	13	13.27%
Samples >80g/t				
SUM	2944	3458	514	17.45%
AVERAGE	163	192	29	17.79%

Samples assayed by ALS Global in Perth, Western Australia. Fire assay using AA-26 and 24D methods and Leach-Well GEOCN-06 on 500g sample with accelerated cyanide digestion and AA-25 finish.

*upper limit for leach-well analysis is 300g/t gold.