

BC Geological Survey Assessment Report 29756

NTS 94K/4, 5, 6, 11, 12 Lat: $58^{\circ} 23^{\prime} \mathrm{N}$ Long: $125^{\circ} 24^{\prime} \mathrm{W}$

# Assessment Report on the Missy Drilling \& Mapping 

 as well as
## the Sampling of the Missy and Magnum Properties

Laird Mining Division
British Columbia, Canada
March 14, 2008

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for

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### 1.0 Introduction

This Assessment Report outlines drilling and other work carried out in 2007 on the Missy Property (the "Claim"), tenure number 501534 and the Angel claim (the Churchill mine) tenure number 501416 which are part of the group of 580 mineral claims comprising the Trident Copper Project.

At the request of Aries Resource Corp and Action Minerals Inc. (the "Companies" or "Action" or Aries"), the accompanying assessment report was prepared on the Trident Copper Project properties (the "Property"), Fort Nelson Area, Laird Mining Division, British Columbia Canada to summarize previous work, appraise the exploration potential of the Property, and to make recommendations for future work. The trident Copper Project comprises a group of 580 un-surveyed mineral claims totalling over 223,595 hectares (ha).

### 2.0 Descriptions, Locations and Ownership of Claims

The Trident Copper Project comprises a group of 580 contiguous mineral claims totalling 223,595 hectares (ha). The claims are located in the Liard Mining Division, British Columbia, Canada, and is shown on Map Sheets NTS 94K/4, 5, 6, 11, and 12.

The Property area is centered at latitude $58^{\circ} 23^{\prime}$ North, longitude $125^{\circ} 24^{\prime}$ West, and UTM 6476000 m North, and UTM 360000 m East. Detailed claim information is provided in Appendix A.
Aries holds an interest in claims through option agreements with seven arms-length parties: Twenty-Seven Capital Corp., GWN Investment Ltd., Saints Investment Ltd. Laird Rice, Ryan Gibson, Seguro Projects Inc and Doctors Investment Group Ltd. Action has acquired an interest in the Missy, Okey, Sox, and Talus claims through a non arm's length agreement with Aries. Action also holds an interest in claims through option agreements with six arms-length parties: Minero Majestuoso Limitado, GWN Investment Ltd., Saints Investment Ltd. Laird Rice, Ryan Gibson, and Doctors Investment Group Ltd. The following is a summary of the Trident Copper project acquisitions:

| Property | Location | Nature of Ownership <br> Claim Numbers | Current Use or <br> Operations Conducted on the Property | Financial Terms Related to the Company's Ownership of its Interest in the Properties |
| :---: | :---: | :---: | :---: | :---: |
| Neil, <br> Talus, Sox <br> Joint <br> Venture <br> Property | Liard Mining Division, British Columbia | $50 \%$ 504054 501462 510008 | exploration | The Owner hereby grants Action an exclusive and irrevocable option (the "Option") to acquire an undivided fifty ( $50 \%$ ) per cent interest in the Mineral Claims by making the following payments/commitments (the "Option Payments") to the Owner: <br> the issuance of 500,000 common shares and a cash payment of $\$ 50,000$ to be paid within 10 days of exchange approval; <br> a cash payment of $\$ 75,000$ on or before 180 days of exchange approval; <br> Before the first ( $1^{\text {t }}$ ) anniversary of this Agreement 500,000 common shares shall be issued to the Owner and, by such time, Action shall have performed exploration and development work costing $\$ 400,000$ on the Mineral Clairns or any properties forming part of the Mineral Claims (including any properties acquired with borders within thirty kilometres of the nearest portion of the Mineral Clairns ["Proximate Properties"]), subject to Aries having previously received a National Instrument 43101 compliant property report recommending such work; <br> On the second (2nd) anniversary of this Agreement 500,000 common shares shall be issued to the Owner and, by such time, Action shall have performed exploration and development work costing $\$ 1,100,000$ on the Mineral Clains or any properties forming part of the Mineral Clairns (including any properties acquired with borders within thirty kilometres of the nearest portion of the Mineral Claims ["Proximate Properties"]), subject to Aries having previously received a National Instrument 43101 compliant property report recommending such work; and <br> On the third (3rd) anniversary of this Agreement $1,000,000$ common shares shall be issued to the Owner and, by such time, Action shall have performed exploration and development work costing $\$ 1,500,000$ on the Mineral Claims or any properties forming part of the Mineral Claims (including any properties acquired with borders within thirty kilometres of the nearest portion of the Mineral Claims ["Proximate Properties"]), subject to Aries having previously received a National Instrument 43101 compliant property report recommending such work. <br> Aries shall have the right at any time to accelerate the Option Payments for the purpose of shortening the time period for exercising the Option. |
| Missy Property | Liard <br> Mining <br> Division, <br> British <br> Columbia |  | exploration | the issuance of 500,000 common shares and a cash payment of $\$ 100,000$ to be paid within 10 days of exchange approval; <br> (ii) <br> On or after the first ( $1^{51}$ ) anniversary of this Agreement 500,000 common shares shall be issued to the Owner and. by such time, Action shall have performed exploration and development work costing $\$ 400,000$ on the Mineral Claim or any properties forming part of the Mineral Claim (including any properties acquired with borders within thirty kilometres of the nearest portion of the Mineral Claim ["Proximate Properties"]), <br> On the second (2nd) anniversary of this Agreement $1,000,000$ common shares shall be issued to the Owner and, by such time, Action shall have performed exploration and development work costing $\$ 400.000$ on the Mineral Claim or any properties forming part of the Mineral Claim (including any properties acquired with borders within thirty kilometres of the nearest portion of the Mineral Claim ["Proximate Properties"]). <br> (iv) On the third (3rd) anniversary of this Agreement $1,000,000$ common shares shall be issued to the Owner and, by such time, Action shall have performed exploration and development work costing $\$ 400,000$ on the Mineral Claim or any properties forming part of the Mineral Claim (including any properties acquired with borders within thity kilometres |


|  |  |  |  | of the nearest portion of the Mineral Claim ["Proximate Properties"], |
| :---: | :---: | :---: | :---: | :---: |
| Yedhe Mountain Property | Liard Mining Division, British Columbia | $100 \%$ 519444 519445 519446 519447 519448 519449 519450 519451 519452 519453 519454 519455 519456 519457 519458 | exploration | The Owner hereby grants Action an exclusive and irrevocable option (the "Option") to acquire an undivided one hundred (100\%) per cent interest in the Mineral Claims by making the following payments (the "Option Payments") to the Owner: <br> A cash payment of $\$ 20,000$ and 400,000 Common shares to be paid and issued within 30 days of TSX Venture Exchange approval. <br> A $1 \%$ NSR shall be reserved unto the Owner hereunder which may be purchased at any time by Action paying to the Owner $\$ 1,000,000$, less all amounts previously received by Owner as NSR payments. |
| Nelson Property | Liard Mining Division, British Columbia | $100 \%$ 520701 520702 520703 520704 520707 | exploration | a) The Owner hereby grants Action an exclusive and irrevocable option (the "Option") to acquire an undivided one hundred (100\%) per cent interest in the Mineral Claims by making the following payments (the "Option Payments") to the Owner: <br> (v) A cash payment of $\$ 10,000$, and <br> (vi) 500,000 Common shares shall be issued to the Owner no later than 10 -business days after the receipt of regulatory approval to this Agreement. <br> b) A $1 \%$ NSR shall be reserved unto the Owner hereunder which <br> may be purchased at any time by Action paying to the Owner $\$ 1,000,000$, <br> less all amounts previously received by Owner as NSR payments. |
| Goliath Property | Liard Mining Division, British Columbia | $100 \%$ 529843 529844 529845 529846 529847 529848 529849 529850 529851 | exploration | a) The Owner hereby grants Action an exclusive and irrevocable option (the "Option") to acquire an undivided one hundred (100\%) per cent interest in the Mineral Claims by making the following payments (the "Option Payments") to the Owner: <br> (vii) A cash payment of $\$ 20,000$, and <br> (viii) 600,000 Common shares shall be issued to the Owner no later than 10-business days after the receipt of regulatory approval to this Agreement. <br> b) A $1 \%$ NSR shall be reserved unto the Owner hereunder which <br> may be purchased at any time by Action paying to the Owner $\$ 1,000,000$, <br> less all amounts previously received by Owner as NSR payments. |
| Tusk | Liard | 100\% | exploration | a) The Owner hereby grants Action an exclusive and irrevocable |


| Property | Mining Division, British Columbia | $\begin{aligned} & 537943 \\ & 537945 \\ & 537947 \\ & 537948 \\ & 537950 \\ & 537951 \\ & 537952 \\ & 537953 \\ & 537954 \\ & 537955 \end{aligned}$ |  | option (the "Option") to acquire an undivided one hundred (100\%) per cent interest in the Mineral Claims by making the following payments (the "Option Payments") to the Owner: <br> (ix) $2,000,000$ Common shares shall be issued to the Owner no later than 10 days after exchange acceptance, <br> (x) A cash consideration of $\$ 25,000$ upon exchange acceptance. |
| :---: | :---: | :---: | :---: | :---: |
| Peace River Property | Liard Mining Division, British Columbia | $100 \%$ 537944 538056 538054 538053 538050 538047 538052 538066 538064 538063 538061 538058 538057 538048 538045 537941 538069 538078 538083 538088 538090 538093 538095 538098 538076 538075 538072 538071 538055 538038 538036 538081 538080 538067 538065 538062 538060 538070 538073 538084 | exploration | a) The Owner hereby grants Action an exclusive and irrevocable option (the "Option") to acquire an undivided one hundred (100\%) per cent interest in the Mineral Claims by making the following payments (the "Option Payments") to the Owner: <br> (xi) A cash payment of $\$ 20,000$, and <br> (xii) $\quad 4,000,000$ Common shares shall be issued to the Owner no later than 10-business days after the receipt of regulatory approval to this Agreement. <br> b) A $1 \%$ NSR shall be reserved unto the Owner hereunder which <br> may be purchased at any time by Action paying to the Owner $\$ 1,000,000$, <br> less all amounts previously received by Owner as NSR payments. |


|  |  | $\begin{aligned} & 538091 \\ & 538085 \\ & 538092 \\ & 538097 \\ & 538087 \\ & 538089 \\ & 538099 \\ & 538096 \\ & 538082 \\ & 538079 \\ & 538077 \end{aligned}$ |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Summit Property | Liard Mining Division British Columbia | 100\% 517930 517932 517931 517929 517928 517927 517926 517925 517924 517878 517877 517875 517882 517893 517879 517891 517890 517888 517886 517885 517892 517894 517895 517898 517899 517900 | exploration | a) The Owner hereby grants Action an exclusive and irrevocable option (the "Option") to acquire an undivided one hundred (100\%) per cent interest in the Mineral Claims by making the following payments (the "Option Payments") to the Owner: <br> (xiii) $\quad 2,000,000$ Common shares shall be issued to the Owner within 10 days of TSX Venture Exchange acceptance, <br> (xiv) <br> A cash consideration of $\$ 25,000$ within 10 days of TSX Venture Exchange acceptance. |
| Racing River Property | Liard Mining Division, British Columbia | 50\% <br> (claim <br> numbers <br> attached <br> as <br> schedule <br> "B") | exploration | a) The Optionor hereby grants the Optionees an exclusive and irrevocable option (the "Option") to acquire an undivided one hundred (100\%) per cent interest in the Mineral Claims by making the following payments and performing the following work programs (collectively the "Option Payments") to the Optionor: <br> No later than 2 (two) business days after signing of the agreement, a cash deposit of $\$ 150,000$ (one hundred and fifty thousand dollars) shall be paid to the Optionor. The deposit shall be refundable to the Optionees in the event that this agreement, in this or any amended form, is not accepted for filing with the TSX Venture Exchange; <br> (ii) No later than 180 days after the receipt of regulatory approval of this Agreement, an additional cash payment |



|  |  |  | Owner no later than 10-business days after the <br> receipt of regulatory approval to this Agreement. |
| :--- | :--- | :--- | :--- |
| b) A 1\% NSR shall be reserved unto the Owner hereunder which |  |  |  |
| may be purchased at any time by Action paying to the Owner $\$ 1,000,000$, |  |  |  |
| less all amounts previously received by Owner as NSR payments. |  |  |  |

## Aries Resource Corp and Seguro Projects Inc:

## Key Property and Okey Claim

This option agreement (Agreement) between Aries Resource Corp, 1255 West Pender Street, Vancouver, B.C. (Aries), and Seguro Projects inc, 330 East $23^{\text {rd }}$ Street, North Vancouver, B.C. (Seguro), includes the Key Property and the Okey claim and is effectively dated December 14, 2004. The Agreement is subject to approval, which has been obtained, of the TSX Venture Exchange of both this Agreement and the agreement between Seguro and Senator Minerals Inc, 418 East $14^{\text {th }}$ Street, North Vancouver, B.C. (Senator), cancelling the option agreement held by Senator to acquire a $50 \%$ interest in the Key Property and the Okey claim. The following table details Aries' payments under the Agreement.

| Monetary Payments CAN\$ |  |
| :---: | :---: |
| To be paid within 2 days of TSX Venture Exchange Agreement approval | \$10,000 |
| To be paid within 30 days of TSX Venture Exchange Agreement approval | \$32,500 |
| To be paid within 60 days of TSX Venture Exchange Agreement approval | \$32,500 |
| To be paid within 6 months of TSX Venture Exchange Agreement approval | \$75,000 |
| Total | \$150,000 |
| Payments of Aries Common Stock |  |
| To be issued within 10 days of TSX Venture Exchange Agreement approval | 300,000 shares |
| To be issued within 10 days of receipt of independent report of first work program or no later than 30 Nov 2005. | 300,000 shares |
| To be issued upon commencement of commercial production | 500,000 shares |
| Total | 1,100,000 shares |

The Agreement gives Aries an option to control $100 \%$ of the properties, net of a $3 \%$ Net Smelter Return Royalty (NSR). Commencing with the date of the Agreement and continuing until the date of commercial production, Aries is to pay a retainer for consulting and operating activities to Seguro, in the amount of CAN $\$ 12,000$, by the end of the first month in each quarter.

For the duration of the Agreement, Aries has the right to designate an Operator entitled to charge an Operator fee equal to $9 \%$ of Exploration and Development Expenditures. In the event that Seguro is the designated Operator, $50 \%$ of Seguro's retainer fee will be applied as a payment toward the total Operator fee.
Under the Agreement, Aries must keep the claims in good standing and ensure that all exploration work is carried out by qualified parties paid at industry standard rates.

# Seguro Projects Inc, Donald A. Simon, and Doctors Investment Group Ltd: NBC Copper Properties Acquisition Agreement 

Donald A. Simon, 330 East $23^{\text {rd }}$ Street, North Vancouver, B.C. (Simon), registered with the British Columbia Ministry of Energy and Mines, Mineral Titles branch, as Free Miner Certificate \#124708, holds title on behalf of Seguro to the following ten mineral claims with Tenure Numbers 501389, 501321, 501416, 501446, 501462, 501482, 501497. 501523, 501534, and 510811 (Simon Claims).

The acquisition agreement (Agreement) between Doctors Investment Group Ltd, 29 Retirement Road, PO Box N-7777, Nassau, Bahamas (Doctors) and Seguro includes the Simon Claims and is effectively dated January 5, 2005. The Agreement between Doctors and Seguro allows Doctors to acquire an undivided 100\% interest in the Simon Claims, net of a $1 \%$ Net Smelter Return Royalty (NSR), for the following considerations:

- Upon confirmation of the value of any of the Simon Claims through the acceptance by any recognized stock exchange of any option agreement by a listed company to earn an interest in any of the claims, Doctors will pay to Simon $\$ 1,000$ for each claim so approved;
- If work is commenced on any of the Simon Claims, Seguro is to be retained as the operator, and if circumstances preclude Seguro from being the operator, Doctors will retain Seguro on a consulting basis at industry standard rates; and
- If any claim is dropped by Doctors or any optionee, Seguro will be notified thirty (30) days in advance, and Seguro will be allowed first right of ownership of said claim or partial claim at no cost to Seguro.

All Simon Claims are registered in the name of Simon, who acts as registered claimholder only. Upon written request and providing that all above considerations have been met, Simon will provide Doctors and Seguro with executed registerable transfers of interests in the claims.

Doctors and Seguro may assign rights and obligations without the prior written consent of the other party. Any assignee chosen by Doctors must assume all Agreement obligations, and Doctors retains any liabilities and obligations occurring prior to such assignment.

Doctors may terminate the Agreement at any time upon written notice to Seguro thirty (30) days prior to the termination date. Upon termination, Seguro is entitled to retain all payments made by Doctors to the date of termination, and, at Seguro's option, is entitled to beneficial ownership of all terminated claims.

## Gilbert Santos and Doctors Investment Group Ltd:

## NBC Copper Properties Acquisition Agreement

Gilbert Santos, 2795 East $18^{\text {th }}$ Avenue, Vancouver, B.C. (Santos), registered with the British Columbia Ministry of Energy and Mines, Mineral Titles branch, as Free Miner Certificate \#146887, holds title to twelve mineral claims with Tenure Numbers 504049, 504054, 504060, 504064, 504085, 509540, 509544, 509549, 509553, 509563, 509567, and 509576 (Santos Claims).

The acquisition agreement (Agreement) between Doctors and Santos includes the Santos Claims and is effectively dated January 5, 2005. The Agreement allows Doctors to acquire an undivided $100 \%$ interest, net of a $1 \%$ Net Smelter Return Royalty (NSR), in the Santos Claims for the following considerations:

- Upon confirmation of the value of any of the Santos Claims through the acceptance by any recognized stock exchange of any option agreement by a listed company to earn an interest in any of the claims, Doctors will pay to Santos $\$ 1,000$ for each claim so approved;
- If work is commenced on any of the Santos Claims, Santos is to be retained as operator, and if circumstances preclude Santos from being the operator, Doctors will retain Santos on a consulting basis; and
- If any claim is dropped by Doctors or any optionee, Santos will be notified within thirty (30) days, and Santos will be allowed first right of ownership of said claim or partial claim at no cost to Santos.


## Aries Resource Corp and Seguro Projects Inc:

## Churchill Property Option Agreement

This option agreement (Agreement) includes the Cisco and Angel claims and is effectively dated February 24, 2005.

The Agreement is subject to approval of the TSX Venture Exchange. The Agreement gives Aries an option to control $100 \%$ of the claims, net of a $1 \%$ Net Smelter Return Royalty (NSR). The following table details Aries' payments under the Agreement.

| Timing | Payment | Aries Work Requirement |
| :---: | :---: | :---: |
| To be issued within 10 business days of TSX Venture Exchange Agreement approval | 500,000 shares | none |
| To be issued on the $1^{\text {st }}$ anniversary of the Agreement | 1,000,000 shares | $\$ 250,000$ of $\mathrm{NI} 43-101$ recommended work |
| To be issued on the $2^{\text {nd }}$ anniversary of the Agreement | 2,500,000 shares | $\$ 500,000$ of NI 43-101 recommended work |
| To be issued on the $5^{\text {th }}$ anniversary of the Agreement | 5,000,000 shares | $\$ 500,000$ and bankable feasibility study recommending production |
| Total | 9,000,000 shares | CAN $\$ 1,250,000$ |

Share issuance requirements are subject of additional regulatory and shareholder approvals, as might be required from time to time, in the event that the share issuances will result in the creation of new insiders or control positions.

Seguro's 1\% NSR can be purchased by Aries at any time for CAN $\$ 1,000,000$, less any prepaid NSR amounts. At any time, Aries may accelerate the Option Payments,
shortening the time period for exercising the Agreement. If Aries fails to make any of the payments, Aries will not be entitled to a partial interest in the claims.

Aries may install, maintain, replace, and remove any machinery, equipment, tools, and facilities on the claims. Upon termination of the Agreement, Aries has a period of six (6) months in which to remove its equipment at its sole expense.

During the Agreement period, Aries shall at all times occupy, manage, and use the subject claims in full compliance with all environmental laws. Aries will be responsible for prompt performance of any reclamation, remediation, or pollution control required for its operations carried out during the Agreement term.

There is an area of interest (AOI) extending one (1) mile from the outer boundaries of the claims. The AOI applies to any additional properties acquired by Seguro, and Aries may acquire a $100 \%$ interest in the AOl properties without additional consideration. AOI properties will be included in the Agreement upon Aries reimbursing Seguro for reasonable acquisition costs.

Aries may terminate the Agreement at any time upon written notice to Seguro thirty (30) days prior to the termination date. Upon termination, Seguro is entitled to retain all payments made by Aries to such date. If Aries fails to duly pay or cure any obligation default within thirty (30) days after receipt of a default notice from Seguro, Seguro may terminate the Agreement.

## Doctors Investment Group Ltd and Aries Resource Corp: Liard Property Option Agreement

This option agreement (Agreement) effectively dated May 16, 2005, grants Aries an option to acquire up to an undivided $100 \%$ interest in the following twenty claims with the Tenure Numbers, 504049, 504054, 504060, 504064, 504085, 509540, 509544, 509549,

509553, 509563, 509567, 509576, 510811, 501321, 501446, 501462, 501482, 501497, 501523, and 501534.

The Agreement gives Aries a yearly option to control 100\% of the claims, net of a $2 \%$ Net Smelter Return Royalty (NSR). The following table details Aries' payments under the Agreement.

| Timing | Payment | Work Requirement |
| :---: | :---: | :---: |
| To be issued within 10 business days of TSX Venture Exchange Agreement approval | $\begin{aligned} & \text { 2,000,000 shares } \\ & \text { (100,000/claim) } \end{aligned}$ | none |
| To be issued on the $1^{\text {st }}$ anniversary of the Agreement | 2,000,000 shares | $\$ 750,000$ of NI 43-101 recommended work |
| To be issued on the $2^{\text {nd }}$ anniversary of the Agreement | 2,500,000 shares | $\$ 750,000$ of NI 43-101 recommended work |
| To be issued on the $3^{\text {rd }}$ anniversary of the Agreement | 5,000,000 shares | $\$ 1,000,000$ of NI 43-101 recommended work |
| To be issued on the $4^{\text {th }}$ anniversary of the Agreement | 5,000,000 shares | $\begin{gathered} \$ 1,000,000 \text { of } \\ \text { NI } 43-101 \\ \text { recommended work } \end{gathered}$ |
| Total | 16,500,000 shares | CAN $\$ 3,500,000$ |

Share issuance requirements are subject of additional regulatory and shareholder approvals, as might be required from time to time, in the event that the share issuances will result in the creation of new insiders or control positions.

Doctors' $2 \%$ NSR may be purchased by Aries at any time for CAN $\$ 2,000,000$, less any prepaid NSR amounts. At any time, Aries may accelerate the Option Payments shortening the time period for exercising the Agreement. If Aries fails to make any of the payments, Aries will not be entitled to a partial interest in the claims. If a bankable feasibility study is prepared in favour of the claims, either before or after exercising the Agreement, Aries will issue an additional $5,000,000$ common shares to Doctors within five (5) working days of receipt of share issuance regulatory approval.

Concurrently with each of the aforementioned Common Share issuances, Doctors will execute a Voting Trust document which will allow Aries' current management or their
assigns to vote such Common Shares as they deem fit. The Voting Trust does not restrict Doctors from selling Common Shares to unrelated third parties from time to time as it sees fit.

## Aries Resource Corp and Action Minerals Inc:

## Neil Property Option Agreement

The non-arm's length option agreement (Agreement) between Aries and Action Minerals Inc, 1255 West Pender Street, Vancouver, B.C. (Action), effectively dated July 11, 2005 and amended August 10, 2005, includes the Okey (TN: 510008), Sox (TN: 501462), and the Talus (TN: 504054) claims. The Agreement grants Action an exclusive and irrevocable option to acquire an undivided $50 \%$ interest in the Okey, Sox, and Talus claims. The following table details Action's payments.

| Timing | Payment | Action Work Requirements |
| :---: | :---: | :---: |
| To be issued within 10 business days of TSX Venture Exchange Agreement approval | 500,000 common shares CAN $\$ 50,000$ cash payment | none |
| On or before 180 days of TSX Venture Exchange Agreement approval | CAN $\$ 75,000$ cash payment | none |
| To be issued before the $1^{\text {st }}$ anniversary of the Agreement | 500,000 common shares | $\$ 400,000$ of NI 43-101 recommended work |
| To be issued on the $2^{\text {nd }}$ anniversary of the Agreement | 500,000 common shares | $\$ 1,100,000$ of NI 43-101 recommended work |
| To be issued on the $3^{\text {rd }}$ anniversary of the Agreement | 1,000,000 common shares | $\$ 1,500,000$ of NI 43-101 recommended work |
| Total | 2,500,000 common shares <br> CAN $\$ 125,000$ | CAN $\$ 3,000,000$ |

Exploration and development work by Action may be carried out on the subject claims as well as on acquired properties having borders within thitty (30) kilometres of the nearest portion of the subject claims.

Share issuance requirements are subject of additional regulatory and shareholder approvals, as might be required from time to time, in the event that the share issuances will result in the creation of new insiders or control positions.

At any time, Action may accelerate the Option Payments shortening the time period for exercising the Agreement.

### 3.0 Accessibility, Climate and Physiography

Access to the Trident Copper Project area is by helicopter from Fort Nelson. Helicopter access can also be based from Toad River (Mile 422 Alaska Highway) or Muncho Lake (Mile 462 Alaska Highway), where hotel accommodations are available. Ground access to the north-eastern portion of the Trident area is possible by two-track dirt road extending thirty kilometres from a point approximately thirteen kilometres west of Summit Lake (Mile 401 Alaska Highway) to the Churchill mill site situated at the confluence of Delano Creek and the Racing River. A temporary exploration camp was located at the Churchill mill site. The road is in good condition and well used, but entails fording MacDonald Creek, Wokkpash Creek, and Delano Creek/Racing River.

Access to the north-western portion of the Trident Copper Project area is by road from Mile 442 on the Alaska Highway, where a dirt road leads south along the Toad River and Yedhe Creek for approximately 30 kilometres to the area of the Key property. The bridge located 1.5 kilometres south of the Alaska Highway, where the Toad River road crosses the Toad River, has a resurfaced width only allowing motorized quad bikes or smaller vehicles. The roads along the Toad River, Yedhe Creek, and the turnoff into the Key property are subject to periodic washouts.

The project area is on moderate to very steep mountainous glaciated terrain with elevations ranging from 1,100 and 2,680 meters. Except for creek and river valleys showing coniferous tree growth, most of the claims are above the tree-line where vegetation is restricted to shrubs and grasses, or is nonexistent. Climate is variable, with higher elevations receiving
precipitation almost daily during the summer. Winters are cold, with snow that stays from September to May. The work season is mid- or late-June to mid-September.

Rocks in the Trident Copper Project area are predominantly Proterozoic Helikian-age Aida Formation marine sediments consisting of calcareous and dolomitic mudstone, siltstone, and minor sandstone. Upper and lower Aida Formation contacts are conformable. The overlying Gataga Formation consists of mudstone, siltstone, and sandstone, and the underlying Tuchodi Formation consists of quartzite, dolomite, siltstone, and red shale. There are a number of other marine sediments occurring within the project area ranging in age from Cambrian to Silurian. While known copper deposits in the project area are vein-type, trace element results from 2005 rock sampling suggest that ironoxide copper gold (IOCG) mineralization, similar to the polymetallic Olympic Dam deposit in Australia and the Nico deposit in the Northwest Territories, may be present.

Figure 1: Regional Location of the Trident Project


### 4.0 History

### 4.1 Area History

During the 1940s, copper was discovered in the area while the Alaska Highway was being built. Exploration activity took place during the 1950 s and early 1960 s, but was most active during the late 1960s and early 1970s. The two main deposits identified were the Davis-Keays (the Eagle Vein located on the Key property), discovered in August 1967, by prospectors Harris Davis and Robert Keays of Fort Nelson, BC, and the Churchill Copper deposit (the Magnum Vein located on Aries' Angel claim).

### 4.2 Previous Work

### 4.2.1 Missy Claim TN: 501534

As no assessment reports are listed for previous work on the Missy Claim (Figure 2), historical information is limited to Minfile Master Report 094K 005 of the Geological Survey Branch, Ministry of Energy \& Mines. The historical Bill copper showing lies close to a thrust fault within the Muskwa Assemblage's Aida Formation. The Bill showing is located on Aries' current Missy claim and consists of four copper-bearing quartz carbonate veins, striking 020 degrees, in dolostone and carbonaceous shale (Figure3). The veins, each about one meter thick, are adjacent to a small shear in the footwall of the thrust, and are generally poorly and sporadically mineralized with chalcopyrite.

Figure 2: Missy and Angel Claim Locations


On the Missy claim, four rock chip samples were taken from quartz-carbonate veins associated with mafic dykes (Harrington 2005). Quartz-carbonate veining contained malachite staining, massive, and disseminated chalcopyrite. All samples returned anomalous copper values. Sample 335791 was anomalous in silver while the other three samples returned elevated silver values.

Table 1: Missy Rock Sampling (2005)

| Sample | Type | Width <br> $\mathbf{m}$ | Au <br> g/t | Ag <br> gt | Ea <br> ppm | Ce <br> ppm | Co <br> ppm | Cu <br> $\%$ | La <br> ppm | Ppm <br> ppm |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 335791 | chip | 1 | $\alpha .001$ | 1.08 | 30 | 16.1 | 1.7 | $0.85 \%$ | 7.4 | 90 |
| 335792 | chip | 2 | 0.012 | 0.35 | 20 | 16.8 | 24.9 | $0.48 \%$ | 6.7 | 240 |
| 335793 | chip | 1.5 | 0.005 | 0.42 | 30 | 30.5 | 4.5 | $0.61 \%$ | 12.9 | 210 |
| 335794 | chip | 0.5 | 0.013 | 0.61 | 30 | 24.1 | 4.1 | $1.54 \%$ | 10.1 | 320 |

Figure 3: Missy Sample Locations (2005)


### 4.2.2 Angel Claim TN: 501416 (Magnum Vein; Churchill Copper Mine)

The Magnum vein was discovered in 1943. In 1958 and 1959, Canex Aerial Exploration Ltd carried out a work program of rock sampling and diamond drilling for Magnum Consolidated Mining Company Ltd. (Figure 2)

Mineralization, described as being epigenetic hydrothermal vein-type, consists of chalcopyrite, bornite, and malachite, with gangue of pyrite, quartz, carbonate, graphite, and ankerite. The deposit occurs in Aida Formation sediments consisting of calcareous shale, dolomite, and limestone, cut by a large number of northeast- to east-trending diabase dikes (Figure 4). Copper mineralization occurs in quartz-carbonate veins.

The diabase dykes and quartz-carbonate veining are generally parallel but dikes are post-mineralization, truncating the veins. A series of northwest-trending trachytic composition dikes cuts across mineralized veins.

Host rock Aida Formation deformation and northwest-trending folding (regionally forming the Muskwa Anticlinorium) are pre-mineralization. At Magnum Creek, dykes, fracture zones, and mineralized veins all cut across the regional folding structure suggesting that both the dykes and veins were emplaced in fracture system that developed after regional folding. The northeast-trending and steeply dipping fracture system and mineralized veining at Magnum Creek was explored for a length of 1,375 meters, 90 meters wide, and to a depth of 365 meters. Veins range from less than 1 meter up to 7.6 meters, and ten veins have been identified.

While the reserve calculation reported for Churchill Copper Corporation Limited (Churchill) by Chapman, Wood, and Griswold (feasibility report, 1969 (as reported by Glenn (1991)) is considered relevant, it is historical, and does not meet NI 43-101 standards. Aries is not treating the reserve calculation as a NI 43-101 defined resource or reserve verified by the writer. The writer has not verified assay results or the resource calculation. Aries has not done the work necessary to verify the classification of the resource or reserve. Aries is not treating this historical amount and classification as a NI 43-101-compliant defined resource or reserve as a qualified person has not verified the figures. Therefore, the historical estimate should not be relied upon. No estimates have been made since that date. In addition, the mineral resource cannot be converted to mineral reserves without further drilling and engineering studies.

From 1967 to 1969, Churchill conducted drilling at 100 -foot centers and some crosscutting and raising on the Magnum vein. Prior to production, Churchill reported proven and probable reserves totaling 1.178 million tons grading $3.92 \%$ copper, including a $20 \%$ dilution factor, were delineated. From 1970-1974, the Churchill mine processed 598,000 tons of copper ore grading $3.0 \%$ copper (Harrington E, 16 August 2005).

### 5.0 Regional Geology

(Taken from Chapman et al, 1971)
"The Missy property lies within the eastern edge of the Rocky Mountains in an area of rugged topography. Excellent exposures exist above timberline revealing flat to locally contorted sedimentary rock formations dislocated by extensive regional faulting.

Proterozoic argillites, quartzites, and limestones contain all the known copper deposits, possess generally low dips, are intruded by post-ore diabase dykes of Proterozoic age, and are overlain by un-mineralized Palaeozoic formations of Cambrian and later ages. The Proterozoic strata occupy nearly the full width ( $40-50$ miles) of the Rocky Mountains in the south part of the area. Northward they become separated into a north-trending eastern belt (mainly east of upper MacDonald Creek) and wider central and western belts which trend northwest and reach the Alaska Highway west of about Mile 436.

The presently known quartz-carbonate veins, many of which contain chalcopyrite, occur mainly in the western half of the Precambrian with a more or less similar distribution to the subsequent diabase dykes.

The dykes cut the veins and are themselves only weakly mineralized on fractures containing carbonates (principally calcite) and quartz. In places dykes are more strongly mineralized by barren pyrite.

Veins may be much less numerous than dykes, many of which are discernible at a distance on the hill slopes. Dykes and veins generally have more or less similar attitudes, which are relatively constant in certain zones, belts, or parts of the area. Dykes and veins
probably occur in, and may be virtually restricted to, these so-called mineral belts.

The best recognized to date is belt 1 approximately 6 miles wide and 40 miles long that trends north 35 degrees west and contains, from north to south, the known copper deposits of the Davis-Keays, Magnum, John, Lady, Churchill Creek, Ed, and Anne properties, (Figure 4; block 2) Most of the known mineralized veins of the region have strikingly similar mineral composition and structural characteristics. The Missy property is located on the border of block 2 and 3 . The dykes/ veins trend in a south- west direction in block 1 until covered by over-thrusted younger rocks. The dykes/ veins trend in a northeast direction on block 2 for about 4 km then they are covered by younger rocks.

This belt, which is further marked by a pattern of sporadically developed northwest trending asymmetric folds with steep east limbs and by the occurrence within it of a huge local pile of Cambrian conglomerate that forms Mt. Roosevelt, contains dykes and veins that mostly strike east of north and possess steep westerly dips.

### 6.0 Regional Structure

Middle Proterozoic sediments of the Muskwa Assemblage (Wheeler et al, 1991) include the Tetsa, George, Henry Creek, Tuchodi, Aida, and Gataga formations described by Taylor et al, 1973.

The Muskwa Assemblage is cut by gabbroic dykes and is overlain unconformably by Cambrian (Atan Group) and Ordovician (Kechika Group) rocks. These Ordovician and older rocks, termed pseudo-basement by Taylor, were intensely and repeatedly deformed during pre-Laramide periods of tectonism, and also later during the Laramide Orogony, which occurred between 89 and 43 Ma . Laramide compression deformation created large asymmetrical northwest-trending folds, thrust faults, and anticlinal structures which form the Muskwa Anticlinorium.

Uplift in the Rocky Mountains resulted principally from generally northeast-southwest shortening and thrust faulting that penetrated basement rocks, bringing the basement
and overriding younger strata to relatively high levels in the crust. The Laramide thrusts likely followed older zones of weakness.

A fracture zone of normal faults, later than Laramide deformation, extends southward from Muncho Lake into the Toad River valley. The normal faults have a vertical displacement of up to 2,000 feet ( 600 meters).

Figure 4: Regional Geology of the Trident Project


## Table 2: Geology Legend



### 7.0 General Mineralization Types

General mineralization types discussed in this report are:
Mineralization Type 1; Chalcopyrite bornite pyrite quartz - carbonate veins
This is the most pervasive epithermal vein type of mineralization, encountered at the Magnum, Eagle, Toro, Neil, Missy and Sox projects. The near vertical vein mineralization and associated dykes, crosscut shallow dipping, folded and thrust faulted well foliated argillites and limestone.

## Mineralization Vein type 1A; Brecciated mineralized (veined) zones

The brecciated mineralized zones occur where mineralized quartz carbonate vein feeders are intersected by faulting and thus the host rocks were fractured. The mineralization is then trapped in the open cavities. At the Churchill mine, a breccia zone, 20 to 30 metre thick over 200 m in length, is exposed on surface just north of the exploited veins. Malachite (on surface) is clearly visible within the Churchill brecciated zone. The brecciated zone occurs in close vicinity to a north- west trending fault zone. The northern extension of the Neil vein displays a similar brecciated mineralized structure after being cut, by a north west striking fault zone. These brecciated (veined) zones normally carrier relatively large tonnages and high to low copper grades (as was mined on the Toro property). The Neil breccia assayed at $6.1 \%$ copper over 20.8 m .

### 8.0 Regional Geophysical Surveys (2006)

In April 2006 Action and Aries retained McPhar Geosurveys Ltd. to perform ~2600 line kilometres ( $\sim 1600$ miles) of helicopter supported magnetic surveys (MAG), to be flown at a line spacing of 100 m over a large portion of the Trident Property, including the Missy Property. The goal of the surveys was to locate mafic dykes spatially associated with the mineralized quartz veins, such as the Magnum Eagle and Missy veins and to identify prospective mineralized bodies, such as Olympic Dam-type IOCG (Ironoxide/Copper/Gold/Silver/Cobalt) mafic intrusive bodies. In addition, some 820 line kilometres ( $\sim 500$ miles) of frequency electromagnetic surveys (EM) were to be flown over areas known to contain large veins with conductive massive sulphides to determine their geophysical signatures. For increased accuracy, surveys were
conducted at low levels ( $\sim 30 \mathrm{~m}$ above ground). By fall, inclement weather and the rugged topography forced the replacement of McPhar with Aeroquest Ltd. which completed the expanded surveys. In total, $\sim 1800$ line kilometres of MAG/EM and $\sim 2600$ line kilometres of MAG were flown in 2006. The airborne magnetic surveys were successful in mapping the diabase dykes swarms on the Missy property as well as several large buried magnetic intrusive bodies. Significant EM and MAG anomalies were noted at the Churchill Mine, at and above the Keys mine, at the Missy and Goat Matnik. The MAG was successful at delineating basic geological structure at the Missy. A high elevation magnetic survey was flown at about the highest mountain height in 2005 for Archer Cathro associates. The magnetic data was acquired from Archer Cathro Associates.

### 8.1 Regional Magnetic Survey Results (2007)

The low level helicopter MAG (for Action minerals Inc) and high level fix wing magnetic survey (for Archer Cathro Associates) were interpreted separately and then combined. Different colors and line thicknesses were utilized for different anomaly intensities strengths as well as directional trends to highlight different dyke trends and faults. Stratigraphy bedding directions and structural lows were also delineated.

The low level helicopter magnetic survey confirms the fact that $95 \%$ of the dykes cuts right through the thrust faults without any displacement. This indicates that the folding and thrust faulting are older than > 780 million years (current dating age of the dykes); this confirms that the dykes were emplaced in the fracture system that developed during and after regional folding, thrust faulting and foliation.

The major dykes swarm trends were divided into three main structural zones or blocks. The boundaries of these blocks are controlled by the major thrust faults. The stress pattern for each block was controlled by the different compression and extensional direction forces (pulses) during different geological time periods. This pertains to over thrusting (towards the east) as well as lateral movement on these thrust faults (Left lateral movement?). Normal faults are nearly none existent on the project. (Figure 4).

In block 1 the major dykes trends at about $160^{\circ}$ (we st of Toad River. [True north $=09$ ). In the central area of block 2, the major dykes trend at $35^{\circ}$ (Missy and Churchill Mines). The minor dykes trend at $115^{\circ}$ and $95^{\circ}$ (in the vicin ity of Churchill area). In the southern part of block 2, ( 13 km south of Churchill mill site near Toro mine) the directions of dykes are generally about $110^{\circ}$. In block 3 the major tre nd is $165^{\circ}$, the minor trend is $15-30^{\circ}$ (Figure 5).

Figure 5: High and Low Level MAG Surveys with Structural Blocks Outline


Drawn by George Coetzee, BSc Honours, 2007

### 9.0 Exploration on the Missy

### 9.1 The Geology of the Missy Veins

The Missy property is located proximately 4 km southwest of the Churchill mine with known historical resources (Figure 2). The mineralization mirrors the Churchill and Davis Keays mines chalcopyrite veining within structural shear/fault zones paralleling mafic dykes; Genn David; 1991.The outcrops consist mainly of buff grey weathered slatey argillites and calcareous shales of the Aida Formation. The argillite are foliated and folded in places.

The Missy Veins consist of three distinct mineralized vein structures, bearing chalcopyrite and malachite minor bornite and containing anomalous gold and silver values. These veins outcrop only on the north-eastern steep slope of a creek over a 30 m strike length within the argillite. The veins are located near the northwest contact of a green-grey medium crystalline mafic dyke that is only exposed on the south-western bank of the creek, for the most part the veins parallels the dyke with an approximately 035 degree strike.

Halfway up the south-western creek slope malachite calcite vein float was sited next to the dyke indicating the mineralization continue towards the southwest. The northeast extensions of the mineralized veins are covered by thick unconsolidated glacial overburden.

The Missy surface mineralization, consists of three approximately $0.5-1.5$ meter carbonate quartz veins, that contain malachite and lesser azurite veining. The oxidization of the mineralization is generally only pervasive up to 10 to 20 m below surface. The two main semi parallel veins named; vein \#1 (southeast side) and vein \#3 (northwest side) is spaced approximately 20 meters apart. A horse tail vein \#2, originating from vein 1 , is positioned about 7 m northwest of vein \#1. (Figure 6) The three veins dip vertically or steeply towards the southeast. The argillite host rock contacts are silicified for approximately 0.5 m on both sides of vein \#1.
contacts are silicified for approximately 0.5 m on both sides of vein \#1.

The below surface the mineralization consists mainly of chalcopyrite with minor pyrite, cobalt, bornite and gold within carbonate - quartz vein material that intruded parallel shear/fault zones in the argillite.

Figure 6: Missy Veins on Surface


Drawn by George Coetzee, BSc Honours, 27 February 2008

The three Missy veins were sampled on surface was sampled in September 2008 by David Peake BSc. Geo. under supervision of George Coetzee BSc. Geo Honours and J. Kowalchuk P.Geo. Continuous channel samples were chipped across the mineralized vein structures at five metre intervals along the three veins. (Figure 6) The samples were bagged, securely stored and transported as prescribed by best practice sampling procedures. Seventeen samples were analyzed by Acme Analytical Labs of Vancouver, BC, with multi-element Inductively Coupled Plasma Mass Spectrometer (ICP MS) technique. For the 40 element geochemical analysis as well as for samples returning $>10,000 \mathrm{ppm}$ values (maximum detection limits), the Group 7TX analytical procedure employing Hot 4-Acid "near total" digestion was used, followed ICP-MS analysis. Values greater than $10,000 \mathrm{ppm}$ copper were re-assayed with a further dilution of the solution to give a more accurate analysis of higher grade samples. Follow up gold fire assays were performed on relevant samples.

The average grade of Vein \#1, over a strike length of 30 metres and an average width of 1.0 metres was $4.6 \%$ copper.

The average grade of Vein \#2 over a strike length of 25 metres and an average width of 0.5 metres was $1.97 \%$ copper.

The average grade of Vein \#3 over a strike length of 30 metres and an average width of 1.0 metres was $1.14 \% \mathrm{Cu}$. The chip sample results are shown as follows:

Table 3: Missy Vein Channel Chip Samples

| Sample <br> Number | Type | Width <br> m | Vein \# | \% <br> Copper |
| :--- | :--- | :--- | :--- | :--- |
| 465201 | Chip | 1 | Vein 1 | 4.6 |
| 465202 | Chip | 1 | Vein 1 | 0.98 |
| 465203 | Chip | 1 | Vein 1 | 16.10 |
| 465204 | Chip | 1 | Vein 1 | 4.52 |
| 465205 | Chip | 1 | Vein 1 | 0.91 |
| 465206 | Chip | 1 | Vein 1 | 0.52 |
| 465207 | Chip | 0.5 | Vein 2 | 0.68 |
| 465208 | Chip | 0.5 | Vein 2 | 3.86 |
| 465209 | Chip | 0.5 | Vein 2 | 0.55 |
| 465210 | Chip | 0.5 | Vein 2 | 1.15 |
| 465211 | Chip | 0.5 | Vein 2 | 3.60 |
| 465212 | Chip | 1 | Vein 3 | 0.38 |
| 465213 | Chip | 1 | Vein 3 | 3.69 |
| 465214 | Chip | 1 | Vein 3 | 0.48 |
| 465215 | Chip | 1 | Vein 3 | 0.13 |
| 465216 | Chip | 1 | Vein 3 | 0.54 |
| 465217 | Chip | 1. | Vein 3 | 1.60 |

### 9.3 Geophysical Exploration on the Missy Property

Prior to drilling, mapping, surface a VLF electromagnetic and a magnetic survey were completed over a strike length of about 400 m to pinpoint the extended strike length and position of veins under the soil cover. The surface survey was inconclusive in accurately outlining the dyke position and therefore not included in this report.

A VLF electromagnetic instrument was utilized to pinpoint the extended strike length and positions of veins under the soil cover. The VLF electromagnetic survey was carried out using an EM16 unit manufacture by Geonics Limited of Metropolitan Toronto, Ontario. This unit - a sensitive receiver with two orthogonal coils, one axis normally vertical and the other horizontal - makes use of the VLF transmitting stations operating for communication with submarines for its transmitted signal - the vertical antenna currents creates concentric horizontal magnetic fields - and measures the vertical components of the secondary fields created as above.

The signal from the vertical axis coil is first minimized by tilting the instrument - tilt angle calibrated in percentage- and the remaining signal in the coil is finally balanced out by the measured percentage of a signal from the other coil, after being shifted 90 degrees. Thus if the secondary fields are small compared to the primary horizontal field, the mechanical tilt angle is an accurate measure of the vertical real component, and the compensation signal from the horizontal coil is one of the quadrature vertical signal. In all 1.5 kilometres of traverses were done using the above instruments at the station intervals of 5 metres (or 1 m near veins) using mainly transmitters of Seattle- NLK 24.8 khz. and Hawaii - NPM 21.4 khz. The field instructions as to how to orientate the instrument during the survey were strictly followed.

The VLF survey lines (every 25 m ) extended outward from the veins by at least 15 m to 50 m depending on the terrain and as to ensure no possible veining could be missed. The location where the VLF instrument emitted the highest pitch signal was marked with surveyor lint. A two man team was predominately used to double check these VLF vein readings.

The VLF signal strengths on both ends of the projected mineralization extensions indicated that the veins extend in both directions. The veins could be more than 1000 metres in length based on the geology and magnetic survey of the regional area. The VLF survey returned weak to moderate signal strengths. The vein positions intersected in the drill holes thus far do not strongly correlate with VLF survey positions. Therefore usefulness of the VLF survey in locating the veins under thick overburden is still to be verified by further drilling. Mineralized float indicate that the veins also extend towards the south west. Based on the geology of the Missy area the veins could be potentially be mineralized for $>1000 \mathrm{~m}$ in length as was the case at the nearby Churchill mine. For at least 1.8 km , overburden covers the north-east extension of the Missy veins. Future EM work and follow up drilling are required in order to test the mineral potential of the Missy veins under the overburden.

### 9.4 Mineralization in the Missy Drill Holes

The mineralization consists mainly of chalcopyrite veining and pyrite within quartzcarbonate material that intruded parallel shear zones within and on the margin of the dyke. The chalcopyrite also occurs as patches and disseminations generally in close proximity to the chalcopyrite veins, and predominately in located in a calcite, ankerite and quartz matrix. The white carbonate is generally of a coarse crystalline nature.

No sulphide oxidation (malachite and/or azurite) and or erythrite (hydrated cobalt arsenide) were observed in any of the drill holes.

### 9.5 Missy Drilling Program

The helicopter-supported drill program was designed to test the down-dip extent of the three Missy veins, which are exposed on the northeast bank of a creek. Diamond drilling at the Missy Prospect was performed in February and between August - October, 2007, and was contracted to Simpson Drilling Ltd. from Stewart, BC. Approximately 274 m of drilling was completed. The drill hole positions and drill hole azimuths were surveyed with a Rhino handheld GPS (5-20m accuracy) and a compass. (Figure 7) The drill holes are for the most part less than 62 metres in length. The directional deflections of the short drill holes were negligible.

Figure 7: Missy Diamond Drill Site Locations

http://webmap.em.gov.bc.ca/mapplace/minpot/ex_assist.cfm (MTO Tenure Number 501534)

### 9.6 Missy Drill Hole Results

Drill hole MY07-01 was drilled at $-45^{\circ}$ in an east-s outheast direction directly towards the three veins. The hole was abandoned in thick glacial till overburden. The final depth of the hole was 37.5 metres (Table 4).

MY07-02 was drilled at $-60^{\circ}$ in a south-eastern dire ction. The hole was abandoned in loose till material at a depth of 32 metres.

MY07-03 was drilled in a northwest direction at a dip of $-60^{\circ}$. The hole was positioned where the creek cuts into the unconsolidated till overburden. Once again the hole was abandoned at 25.3 metres in the till overburden.

MY07-04 was drilled at $-78^{\circ}$ in a westerly direction, east of vein \#3. It is debatable if the thin carbonate vein with the minor chalcopyrite (at 45.20 to 45.50 m ) is vein \#3. The hole was completed at 57.61 m in argillite. See table 5 for assay results.

MY07-05 was drilled $-52.5^{\circ}$ in a westerly direction. A thin carbonate quartz chalcopyrite vein was intersected from 26.96-27.16 m (vein \#1 [Figure 8]). The final depth of the hole was at 44.81 metres (Table 7).

MY07-06 was drilled at $-45^{\circ}$ towards the west. The hole was abandoned at 15.85 metres.

MY07-07 was drilled (at $-52.5^{\circ}$ ) towards the west-southwest. Vein \#1 was intersected at 31.27-31.75 metres (Figure 7). The hole was completed at 61.57 metres in argillite material (For assay results see Table 5).

Photographs were taken of all the drill core boxes. Drill holes 4,5 and 7 are stored in Vancouver, BC at 1255 West Pender Street. Drill holes 1, 2,3 and 6 that contained only unmineralized till overburden, were discarded.

Table 4 : Missy Drill hole Collar Coordinates

| Diamond <br> hole | drill | Northing | Easting | Elevation <br> in metres | Dip of <br> hole | Final <br> depth <br> in <br> metres | Casing <br> depth <br> in <br> metres |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| MY07-01 | 6485874 | 363703 | 1435 | $-45^{\circ}$ | 37.5 | 18 | 104 |
| MY07-02 | 6485874 | 363703 | 1435 | $-60^{\circ}$ | 32.00 | 21.34 | 138 |
| MY07-03 | 6485797 | 363752 | 1409 | $-60^{\circ}$ | 25.3 | 9.75 | 271 |
| MY07-04 | 6485733 | 363732 | 1413 | $-78^{\circ}$ | 57.61 | 20.12 | 337 |
| MY07-05 | 6485727 | 363745 | 1408 | $-52.5^{\circ}$ | 44.81 | 15.24 | 273 |
| MY07-06 | 6485727 | 363745 | 1408 | $-45^{\circ}$ | 15.85 | 15.24 | 273 |
| MY07-07 | 6485727 | 363745 | 1408 | $-52.5^{\circ}$ | 61.57 | 19.81 | 256 |
| Total |  |  |  |  | 274.64 | 119.50 |  |

Table 5: Missy Drilling Intersections

| Diamond <br> Drill Hole | Core <br> Type | Assay <br> Numbers | From <br> $(\mathbf{m}):$ | To <br> $(\mathbf{m}):$ | Appare <br> nt Width <br> $(\mathbf{m}):$ | Cu <br> $(\%)$ | True <br> width <br> $(\mathbf{m})$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| MY07-04 | NQ | 465307 | 45.2 | 45.5 | 0.24 | 0.002 | 0.11 |
| MY07-05 | NQ | 465309 | 26.96 | 27.16 | 0.20 | 2.88 | 0.09 |
| MY07-07 | NQ | 465317 | 31.27 | 31.75 | 0.48 | 0.19 | 0.21 |

### 9.6.1 Missy Drill Core Sampling

Under the supervision of George Coetzee the diamond drill core was cut and delivered to Acme Analytical Lab in Vancouver, BC. The samples were analyzed by Acme Analytical Labs of Vancouver (an accredited analytical laboratory), with multi-element Inductively Coupled Plasma Mass Spectrometer (ICP MS) technique. For the 40 element geochemical analysis as well as for samples returning $>10,000 \mathrm{ppm}$ values (maximum detection limits), the Group 7TX analytical procedure employing Hot 4-Acid "near total" digestion was used, followed ICP-MS analysis. Values greater than 10,000
ppm copper were re-assayed with a further dilution of the solution to give a more accurate analysis of higher grade samples. Gold fire assays was performed on relevant samples with anomalous Ag and As values. Only anomalous values were returned by the Gold fire assaying. See Appendix Drilling assay results of the three drill holes are displaced in table 5:

Figure 8: Missy East - West Drill Section A - B


Figure 9: Missy East - West Drill Section C - D


### 9.7 Missy Drilling Conclusions

Due to the difficult drilling conditions as well as less than ideal placement of drill positions between the two closely spaced creeks (therefore fulfilling the riparian setback regulations), the drill program was not successful in fully intersecting the mineralization identified through chip sampling. The mineralized diamond drill vein intersections assayed from 0 to $3 \% \mathrm{Cu}$ over $\sim 0.20 \mathrm{~m}$ (sub economic grade). The true width of the mineralized carbonate quartz vein \#1 in drill holes 5 and 7 were between 9 and

21 cm in thickness (Table 5). The average surface grade of vein \#1 over a strike length of 30 metres with an average width of one metre was 4.6 per cent copper. The average grade of vein \#2 over a strike length of 25 metres with an average width of 0.5 metre was 1.97 per cent copper. The average grade of vein \#3 over a strike length of 30 metres with an average width of one metre was 1.14 per cent Cu . The calcite, quartz and chalcopyrite veins found within the project area, such as at Magnum, Keys and Sox, typically pinch and swell and are a little discontinuous in mineralization and can only be identified through follow up close-spaced drilling.

### 10.0 Missy NE Extension Mapping

In September 2007, a prospecting and mapping program was initiated on the Missy NE Extension to:

- Identify the mineralized Missy vein extensions towards the north east of the Missy property associated with major dykes or structures.
- Discover new veins paralleling or cross cutting the Missy vein system.
- Map and reconcile the magnetic signatures as located on the airborne magnetic survey and interpreted to be signatures of dykes with the actual dyke locations as well as widths.
- Examine structures or dykes that crosscut the Missy dyke and vein system.


### 10.1 The Geology of the Missy (NE Extension)

Mapping shows that a large portion of the lower assemblage consists of mainly competent siltstone and sandstone from the Aida Formation (Figure 10; Light yellow in colour), intruded by 5 large mafic dykes (Figure 11). The Aida Formation sandstone ands siltstone south-eastern contact with the Gataga Formation is located 400 m further south east than outlined by the regional BC Government geology map, on the large blue fault line displayed in Figure 10). This fault could be part of the larger regional thrust fault sequence. The bedding of siltstone and sandstone strikes in a general northeast direction dipping at about 20 to $40^{\circ}$ southeast. There is no indication of folding within the
blue colour) consists of mudstone, siltstone and sandstone that are generally well foliated.

Figure 10: Missy Northeast Extension Map

http://webmap.em.gov.bc.ca/mapplace/minpot/ex assist.cfm (MTO Tenure Number 501534)
Please also see the enlarged Missy map in Appendix F

### 10.2 Missy Mapping Correlation with the Aerial Magnetics

The field program has determined that the large, northeast trending magnetic feature outlined in the 2006 airborne geophysical survey consists of four major northeast trending dyke/fault structures B, C, D, E and F (Figure 11). The Major dykes (A, B, C, D, E, F and G) in the corridor average between 20 to 30 metres in width. These dykes are predominantly massive and have a blocky appearance and show minor evidence of shearing or faulting. Minor dykes (approximately one to two kilometres in length) with associated mineralized veins appear to crosscut the larger
northeast trending regional dykes (five to twelve kilometres long). Analysis of the system suggests that the major dyking predates the mineralization events, which are located within fault or shear zones. The surface mapping of dykes and shear zones in the Missy NE Extension was found to correlate closely with the results of the 2006 airborne geophysical survey. All of these structures have the potential of hosting some mineralization.

Figure 11: Missy Aerial MAG Interpretation


[^0]
### 10.3 Missy Faulting (NE Extension)

Approximately two kilometres northeast of the Missy showing, a large iron stained pyritic fault zone with a strike length greater than 700 metres was located. The width of the siliceous fault zone is about one to three metres wide (Figure12).

Figure 12: Missy Fault


Photo by George Coetzee, BSc. Honours, September 2007

A 20 metre wide iron stained/oxidized brecciated area was also located near the southern portion of this fault. Both the fault zone and brecciated area contained pyrite mineralization (Figure 11 and Figure13: in yellow).

Figure 13: Missy Brecciated Zone


Photo by George Coetzee, BSc. Honours, September 2007

Approximately three kilometres northeast of the Missy showing a pyritic fault and shear zone within a sandstone unit is located within the valley, approximately 30 metres northwest of a parallel mafic dyke. (Figure 11: number 54 and Figure 14) The 100m shear fault zone disappears under talus material towards the southwest and northeast.

Figure 14: Missy Pyritic Fault / Shear Zone


Photo by George Coetzee, BSc. Honours, September 2007.
Drawn by Reza Mohammed BSc.

### 10.4 Missy Veins (NE Extension)

An approximately one metre wide calcite vein A with some malachite mineralization (Figure11: Number 7) is sporadically exposed over a 50 metre strike length. This vein parallels a 5 m dyke that is nearly perpendicular to the northeast Missy dyke trend. Mineralized malachite float (vein A) extends for 200 metre towards the southwest.

Figure 15: Missy Vein A (Northeast Extension)


Photo by George Coetzee, September 2007

A thin poorly exposed malachite vein B was located about 250 m southwest of vein $A$ on the contact of a mafic dyke(Figure11: Number 5). The length of the mineralized zone is approximately 25 m . Both dykes show evidence of faulting and shearing.

A one metre thick calcite vein C , adjacent to mafic dyke F , was observed approximately 300 metres northwest of the main Missy structure (Figure11: Number 43). Vein C has a strike length of approximately 150 metres. Minor oxidization on surface indicates the presence of minor copper mineralization.

One sample was located 300 metres northwest of the Missy dyke D, within a one metre wide calcite vein on the south-eastern contact of a competent mafic dyke. The calcite dyke contains. (Figure11: number 43 and figure 16).

Figure 16: Missy Calcite Vein


Photo by David Peake, Drawn by George Coetzee BSC Honours, September 2007

### 10.4.1 Missy Vein Sampling (NE Extension)

Three grab samples were taken from the above mentioned veins A B and C. (Figure11: Number 5, 7 and 43). Three samples of mineralized float were taken within the valley and one sample on the pyritic fault and shear zone (Figure 11: number 54 and Figure 14). The seven samples were sent to ACME Analytical Laboratories (Vancouver, BC) for multi-element analysis. For anomalous assay results see table 6. Mapping and sampling was performed by George Coetzee BSc. Geo. Honours under the direction of the Company's Qualified Person, John Kowalchuk, and P.Geo.

Table 6: Missy Sample Results (NE Extension)

| Sample <br> Number | Location | Sample Type <br> (Width in cm) | $\%$ <br> Copper | \% Pb | Vein <br> Width <br> in Meter |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{1}$ | Missy NE Ext | Float | Trace |  | N/A |
| 2 | Missy NE Ext. | Float | 1.18 |  | N/A |
| 3 | Missy NE Ext. | Grab $(20 \mathrm{~cm})$ | 0.03 | 0.08 |  |
| 4 | Missy NE Ext. | Grab $(15 \mathrm{~cm})$ | 1.44 | 0.10 | 1.5 |
| 5 | Missy NE Ex | Float | 40.29 | Trace | N/A |
| 6 | Missy NE Ext | Grab | 0.12 | Trace | 1.5 |
| 7 | Missy NE Ext. | Float | 0.01 |  |  |

### 11.0 General Geology of the Churchill Mine (Magnum vein, Minfile No094K 003)

The showing occurs in the Aida Formation of the Muskwa Assemblage, which comprises shale or slate, dolomitic and calcareous shale, dolostone and minor limestone (Assessment Report 3535; Geology, Exploration and Mining in British Columbia 1971; Geological Survey of Canada Memoir 373). In the area around the Churchill Mine, the formation consists of a lower unit of dark grey thin-bedded calcareous shale and interbedded calcareous shale and limestone, and an upper unit of interbedded buff- to orange-weathering dolomitic shale and dolostone, locally containing beds of algal dolostone. A large number of diabase dykes cut the sedimentary rocks, ranging from a metre to about 100 metres in width and striking from northeast to east. There is minimal contact metamorphism of the sedimentary host rock, although the
adjacent strata are commonly 'bleached' for several metres. The dykes are evenly distributed in the mine area and generally follow the same fracture and alteration zone that contains cupriferous quartz-ankerite veins. In the mine workings and surface showings, dykes are clearly post-mineralization, truncating the veins. Other dykes, locally known as "grey dykes", are known to cut transversely across the zone of mineralization and alteration, and individual veins, striking in a general northwest direction. These dykes are of trachytic composition, contain disseminations and stringers of pyrite, and are generally only a few metres wide.

The sedimentary rocks are deformed into a large number of folds which plunge gently to the south and southeast. These structures range from a metre to several hundred metres in amplitude and are invariably asymmetric, with gently-dipping west limbs and steep east limbs, and axial planes dipping to the west and southwest (Geology, Exploration and Mining in British Columbia 1971, Plate 3). The ubiquitous slaty cleavage in the Aida Formation rocks is parallel to the axial planes of these folds. In the Magnum Creek area, diabase dykes, fracture zones and cupriferous veins all have trends that are at a high angle to these fold structures, and are apparently not deformed by them. It appears that the dykes and veins filled a system of fractures, generally striking northeast, that developed after the folding and transverse to the fold axes.

Faults are not common on the property. A number of small faults and shear zones have been mapped, but none appear to be very large except at the Churchill Mine zone, where there has been considerable faulting. Most of these faults lie parallel to the zone and cut both mineralized veins and dykes, but within the mine workings at least two faults have been mapped which strike across the zone, dipping southwest at approximately 40 degrees, and are thought to displace ore shoots in a reverse manner.

Within the Magnum zone itself, the deformation is much more heterogeneous than that described above, shown by highly variable fold axes. The cleavage, partly curved and wavy, strikes predominantly south-southwest, with a dip of approximately 60 degrees to the east. In general, bedding dips gently to moderately southeast and apparently forms
the southeast limb of a broad anticline, the hinge zone of which approximately follows Magnum Creek. Also within this zone, the originally calcareous succession is conspicuously non-calcareous, the limestone and calcareous argillite having been extensively altered by decalcification to coarsely crystalline Ferro dolomite and ankerite. The same alteration has produced abundant graphite in shale, locally with coarse ankerite crystals. In addition, pyrite was developed in the west part of the zone forming seams and disseminations roughly concordant with bedding.

Mineralization at the Magnum deposit occurs in cupriferous quartz-ankerite veins in the sub vertical north- to northeast-striking shear and fracture zones. The local preservation between the principal veins of septa of schistose country rock or brecciated quartz stock works suggests that the Magnum zone was originally controlled by a narrow shear zone (or a zone) which was subsequently exploited by hydrothermal activity and later by dyke intrusion. In general, this zone of deformation, alteration, mineralization and dyke intrusion trends 035 degrees, dips steeply and is up to 90 metres wide. It has been partly explored for a length of 1375 metres and to a depth of 365 metres. As many as ten veins have been observed, concentrated in the centre of the zone, although some may prove to be extensions of others. They vary in width from less than 1 metre to as much as 7.6 metres and possess continuity, both on strike and in depth, which may measure a hundred metres or more. As many as three parallel principal veins occur within a width of 45 metres or less across the zone. Numerous subsidiary veins are present, some of which are parallel to the principal veins, and others which have an oblique, northerly trend, and are probably branches of the principal veins.

In more detail, the veins consist of varying proportions of ankerite, quartz, chalcopyrite, and locally pyrite, together with partly replaced remnants of the sedimentary host rock. Very minor amounts of bornite have also been observed. Malachite and azurite are common on the surface. Pyrite is locally prominent, but is generally less than about 10 per cent of the total sulphides in the ore. Chalcopyrite is intimately associated with quartz, although in some places the quartz is so sparse that the vein appears to consist of massive chalcopyrite. Chalcopyrite tends to increase noticeably where a vein
changes direction. Such jogs occur over only a metre or so and their shape is such as to displace the northern part of the vein west or, alternatively, the upper part westward by a metre (Canadian Institute of Mining, Transactions, 1971). The latter sense of displacement is affected also by at least one of several minor syn- and postmineralization faults which occur in the northern part of the mine. These mineralized faults dip approximately 40 degrees southwest, and locally displace the upper parts of two principal veins about 9 metres west along the strike of the fault.

A post-ore diabase dyke of irregular shape and generally steep dip closely follows the southeast side of the vein system and invades it progressively southwards in the zone. The dyke is less than 3 metres wide in the northeast of the zone, but widens southwards and splits locally into two or more parallel branches with an aggregate width which may exceed 45 metres. In places, the dyke becomes sill-like; subsidiary dykes extend west across the vein system. Along part of its length, the main dyke is followed by one or more steep faults, with unknown displacement, near which the diabase is propylitically altered. In the northern part of the mine zone, the dyke adjoins one or more veins, and locally invades and obliterates them; this occurred more extensively in the southern part of the mine zone.

### 11.1 Sampling of the Magnum Vein and Brecciation (Churchill Mine)

Previous mining and underground diamond drilling indicated that only 850 m of the 1400 m vein strike length and 370 m of the estimated 1000 m vein depth were mined. Exploitation of the Magnum veins was terminated when a south east striking fault was intersected on the northern extent of the underground workings. A large folded brecciated and veined mineralized zone approximately 20 to 30 metres wide and over 200 m in length, was observed on surface just northeast of this faults. The location of the folded brecciated zone is displayed in Figure 5.
In the MAG survey the southeast trending faults as well as the Magnum dyke is clearly visible (Figure 17).

Figure 17: Magnetic interpretation of the Churchill Mine


Updated by George Coetzee, 20 February 2008

The two magnum- as well as the two horse tail-veins striking in a northeast direction cut through a folded and brecciated zone. The veins are the northern extension of the two mined Magnum veins (Figure 18). These types of breccia zones normally carrier relatively large tonnages of copper, as on the Toro property. The northern extension of the Neil vein displays a similar brecciated mineralized structure, after being cut by a northwest striking fault zone. Therefore the brecciated area was sampled in September 2008 by David Peake BSc. Geo. under supervision of George Coetzee BSc. Geo Honours and J. Kowalchuk P.Geo. (Figure 18).

Figure 18: Location of the Magnum Folded, Brecciated and Veined Zone

http://webmap.em.gov.bc.ca/mapplace/minpot/ex_assist.cfm (MTO Tenure Number 501416)

### 11.1.1 Sampling Results of the of the Magnum Vein and Brecciation

24 grab samples were chipped at 4 to 5 metres intervals over a 100 m section on the south western lower section of the folded/brecciated zone). Only the lower contact of the folded, brecciated and veined zone (Zone) as well as vein 2 was sampled (Figure 18). The 24 grab samples were chipped at 4 to 5 metre intervals over a 100 metre of the south western section of the Zone (Figure 19). Nine samples were taken from the folded/brecciated area and 15 samples of vein 2. Vein 2 assayed on average at $4.35 \%$ Cu and the brecciated zone at 0.24\% Cu (Table 7).

Figure 19: Magnum Folded, brecciated and Veined Zone (NE Extension)


## Table 7: Magnum Brecciation Sample Results

| Sample <br> Number | Type | Width <br> m | Type: | \% Copper |
| :--- | :--- | :--- | :--- | :--- |
| 465101 | Grab | 0.2 | Breccia | trace |
| 465102 | Grab | 0.2 | Breccia | 0.01 |
| 465103 | Grab | 0.2 | Breccia | trace |
| 465104 | Grab | 0.2 | Breccia | 014 |
| 465105 | Grab | 0.2 | Breccia | 0.02 |
| 465107 | Grab | 0.2 | Breccia | 0.01 |
| 465108 | Grab | 0.2 | Vein 2 | 0.14 |
| 465109 | Grab | 0.2 | Vein 2 | 13.54 |
| 465110 | Grab | 0.2 | Vein 2 | 20.36 |
| 465111 | Grab | 0.2 | Vein 2 | 7.11 |
| 465112 | Grab | 0.2 | Vein 2 | 2.17 |
| 465113 | Grab | 0.2 | Breccia | 0.60 |
| 465114 | Grab | 0.2 | Breccia | 0.51 |
| 465115 | Grab | 0.2 | Breccia | 1.40 |
| 465116 | Grab | 0.2 | Vein 2 | 0.08 |
| 465117 | Grab | 0.2 | Vein 2 | 0.08 |
| 465118 | Grab | 0.2 | Vein 2 | 4.00 |
| 465119 | Grab | 0.2 | Vein 2 | 0.74 |
| 465120 | Grab | 0.2 | Vein 2 | 0.63 |
| 465121 | Grab | 0.2 | Vein 2 | 0.99 |
| 465122 | Grab | 0.2 | Vein 2 | 0.03 |
| 465123 | Grab | 0.2 | Vein 2 | 6.53 |
| 465124 | Grab | 0.2 | Vein 2 | 1.51 |
| 465125 | Grab | 0.2 | Vein 2 | 6.86 |
|  |  |  |  |  |

### 12.0 Conclusions

### 12.1 Missy Drilling Conclusions

- Due to the difficult drilling conditions as well as less than ideal placement of drill positions, between the two closely spaced creeks (therefore fulfilling the riparian setback regulations), the drill program was not successful in fully intersecting the mineralization identified through vein chip sampling. The mineralized diamond drill vein intersections assayed from 0 to $3 \% \mathrm{Cu}$ over $\sim 0.20 \mathrm{~m}$ (un-economic grade). The true width of the mineralized carbonate quartz vein \#1 in drill holes 5 and 7 were between 9 and 21 cm in thickness (Table 5). The average surface
grade of vein \#1 over a strike length of 30 metres with an average width of one metre was 4.6 per cent copper. The average grade of vein \#2 over a strike length of 25 metres with an average width of 0.5 metre was 1.97 per cent copper. The average grade of vein \#3 over a strike length of 30 metres with an average width of one metre was 1.14 per cent Cu . The calcite, quartz and chalcopyrite veins found within the project area, such as at Magnum, Keys and Sox, typically pinch and swell and are a little discontinuous in mineralization. Therefore, closer spaced follow-up drilling is required to ascertain the grades of the veins|


### 12.2 Missy Mapping Conclusions (NE Extension)

- All the dykes delineated by the 2006 magnetic survey were located and partially mapped within the mapping area.
- The Geology of the Aida Formation and dykes were confirmed and contacts were more accurately plotted. New faults and veins were discovered.
- Iron oxidization associated with faulting, shear zones and a sheared/faulted dyke as well as sporadic Cu mineralization near point 33 indicate that there is a possibility of discovering additional copper mineralization under the talus material, which covers at least $60 \%$ of the mapping area.


### 12.3 Magnum Brecciation Sampling Conclusions

- The grab sampling indicates that there is low copper mineralization within the folded and brecciated zone. Only approximately 5\% of the brecciation and vein 2 were sampled due to weather and safety concerns. Consequently the potential still remains of locating copper mineralization within the folded and brecciated zone.


### 13.0 Recommendations

### 13.1 Missy Drilling Recommendations

- .Complete a low level EM survey of the area as to identify potential mineralization under the talus material.
- .Complete a VLF survey of the area as to confirm potential mineralization under the talus material.
- Based on the above mentioned surveys decide where to drill if required.


### 13.2 Missy Mapping Recommendations (NE Extension)

- Complete a low level EM survey of the area as to identify potential mineralization under the talus material.
- Map areas of interest namely:

1. EM anomalies identified by low level EM survey.
2. The large mainly inaccessible iron stained pyritic fault zone and the fractured/ brecciated area adjacent to the (thrust) fault zone.
3. In the vicinity of the two dykes with the associated copper mineralization.
4. Sheared fault zones paralleling or crosscutting the dyke structures.

- Follow up with a surface MAG and VLF survey where required.


### 13.3 Magnum Brecciation Sampling Recommendations

- Grid sample the rest of the folded and brecciated zone on Churchill Mine, as to ascertain the mineral content of the total Zone.
- Based on assay results decide if first phase diamond drilling is necessary?


### 14.0 Sampling Method and approach

### 14.1 Sample Preparation, Analysis and Security

All the drill core samples were cut; with one half delivered to Acme Analytical Labs of Vancouver, BC , for processing and analysis. The Acme Analytical quality control system complies with requirements of international standards ISO 9001:2000 and ISO

17025:1999. Laboratory procedures employ comprehensive quality control (QC) programs to monitor sample preparation and analysis. QC protocols include the use of barren material to clean sample equipment between sample batches, and size monitoring of crushed material. Analytical accuracy and precision are monitored by the analysis of reagent blanks, reference materials, and replicate samples. Acme Analytical utilizes bar coding and scanning technology providing complete chain of custody records for sample preparation and analytical process.

Each entire sample was passed through a primary crusher to yield a product where greater than $70 \%$ is less than 2 mm . A split is then taken using a stainless steel riffle splitter. The crushed sample split of 200-300 grams is ground using a ring mill pulverizer with a chrome steel ring set, with the specification for this procedure calling for greater than $85 \%$ of the ground material to pass through a 75 micron (Tyler 200 mesh) screen.

Gold was analyzed using the AU-ICP21 fire-assay technique on a 30 gm pulverized rock sample, with atomic absorption finish. For the remaining 47 elements, the MEMS61 analytical procedure employing four acid "near total" digestion was used, followed by mass spectrographic finish. Samples returning copper values $>10,000 \mathrm{ppm}$ were reanalyzed by ore grade CU-AA62 process, where a prepared sample was subjected to four acid "near total" digestion, followed by atomic absorption.

### 15.0 STATEMENT of COSTS



### 16.0 References

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### 17.0 Glossary

Conversion Factors

| To Convert From | To | Multiply By |
| :--- | :--- | :--- |
| Feet | Meters | 0.305 |
| Meters | Feet | 3.281 |
| Miles | Kilometres ("km") | 1.609 |
| Kilometres | Miles | 0.6214 |
| Acres | Hectares ("ha") | 0.405 |
| Hectares | Acres | 2.471 |
| Grams | Ounces (Troy) | 0.03215 |
| Grams/Tonnes | Ounces (Troy)/Short Ton | 0.02917 |
| Tonnes (metric) | Pounds | 2,205 |
| Tonnes (metric) | Short Tons | 1.1023 |

## Mineral Elements

| Au | Gold | Ce | Cerium | La | Lanthanum |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Ag | Silver | Co | Cobalt | P | Phosphorus |
| Cu | Copper | Ga | Gallium | Se | Selenium |
| Ba | Barium | Ge | Germanium | U | Uranium |

Alteration: Any change in the mineralogical composition of a rock that is brought about by physical or chemical means.

Ankerite: A dolomite group mineral associated with iron ores.
Anomaly: A geochemical or geophysical character which deviates from regularity.
Anticlinorium: A regional scale configuration of many folded, stratified rocks in which rocks dip in two directions away from the crests. Reverse of synclinorium. The crest is called axis.

Arcuate: Curved or bowed.
Argillic: Pertaining to clay or clay minerals. Disseminated precious metal deposits may exhibit "argillic" alteration characterized by the formation of the clay minerals kaolinite and montmorillonite. Epithermal precious metal deposits may exhibit "advanced argillic" alteration characterized by the clays dickite, kaolinite and pyrophyllite.
Basic: An igneous rock having relatively low silica content, such as gabbro and basalt. Basic rocks are relatively rich in iron, magnesium, and/or calcium.
Breccia: A rock composed of highly angular course fragments.
Clastic: Consisting of fragments moved from their place of origin.

Conglomerate: Detrital sedimentary rock made up of more or less rounded fragments of such size that an appreciable percentage of volume of rock consists of particles of granule size or larger.
Cratonic: Pertaining to the relatively immobile part of the earth, the generally large central portion of a continent.
Detrital Sedimentary Rock: Rock formed from accumulation of minerals and rocks derived from erosion of previously existing rocks or from weathered products of these rocks.

Diabase: Rock of basaltic composition, essentially labradorite and pyroxene, characterized by ophitic texture.
Dolomitic: Having the characteristics of dolomite, where calcium-magnesium carbonate predominates, rather than calcium carbonate which comprises limestone.
Epigenetic: A mineral deposit formed later than the enclosing rocks. In ore petrology, applied to mineral deposits of later origin than the enclosing rocks or to the formation of secondary minerals by alteration.
Epithermal Deposit: Formed at shallow depths by low-temperature hydrothermal solutions.

Felsic: Composed of light-coloured minerals such as feldspar and quartz.
Ga: Billion years.
Gangue: Assessory minerals associated with ore in a vein.
Hydrothermal: An adjective applied to heated or hot aqueous-rich solutions, to the processes in which they are concerned, and to the rocks, ore deposits and alteration products produced by them.
Ignimbrite: Volcanic glass shards that when cooling wrapped around rock crystals creating a "welded" texture.
Ma: Million years.
Metasomatism: Process whereby rocks are altered when volatiles exchange ions with them and a new mineral may grow inside the body of an old mineral.
Moraine: A mound, ridge, or other distinct accumulation of unsorted, unstratified glacial drift deposited, chiefly by direct action of glacier ice, in a variety of topographic landforms.

Normal Fault: A fault in which the hanging wall is lowered relative to the foot wall.
Ophitic: Rock texture in which lath-shaped plagioclase crystals are enclosed, wholly or in part, in later-formed mineral augite.

Orogeny: Mountain building, particularly by folding and thrusting.
Pluton: Igneous rock formed beneath the surface by consolidation from magma.
Potassic Alteration: The generally high-temperature alteration process where potassium is introduced replacing calcium producing secondary orthoclase (potassium feldspar) and biotite.
Pyroclastic: Volcanic materials explosively or aerially ejected from a volcanic vent.
Reverse/Thrust Fault: A fault in which the hanging wall is raised relative to the foot wall.
Sericitic Alteration: Forming sericite from the decomposition of feldspars.
Skarn: Derived from limestone and dolomite by the addition of silica, iron, magnesium, and aluminium to form a suite of lime-bearing silicate minerals.
Sodic Alteration: The alteration process where sodium is introduced replacing calcium, and sodium-rich minerals such as albite, scapolite, and hornblende predominate.
Stockwork: A rock mass interpenetrated by small veins.
Strike-slip Fault: A fault where displacement is in the strike direction of the fault.
Subduction: Descent of one tectonic unit under another.
Synclinorium: A regional scale configuration of many folded, stratified rocks in which rocks dip downward from opposite directions to come together in troughs. Reverse of Anticlinorium.
Talus: Slope established by accumulation of rock fragments at the foot of a cliff or ridge. Rock fragments that form talus may be rock waste, slide rock, or pieces broken by frost action. Widely used to mean the rock debris itself.

Till: unsorted glacial sediment. Glacial drift is a general term for the coarsely graded and extremely heterogeneous sediments of glacial origin. Glacial till is that part of glacial drift which was deposited directly by the glacier. It may vary from clays to mixtures of clay, sand, gravel and boulders.

Trachytic: A textural term applied to the ground mass of volcanic rocks in which small crystals of feldspar are arranged in parallel or sub-parallel fashion corresponding to the flow of the lava.
Transverse Fault: A fault with a strike which cuts across the general structure.

### 18.0 Certificate

## Bradford Minerals Explorations Ltd.

George Coetzee
\#3-1255 West Pender Street
Vancouver, BC.
V6E 2V1
Telephone: 604-639-4947
Email: Georgeaction@gmail.com

I, George Coetzee, BSc (Honours) in Geology, hereby certify that I am working for Bradford Minerals Explorations Ltd. (that was contracted By Aries Resources Corp and Action minerals Inc).
\#1-1255 west Pender St
Vancouver, BC. Canada
V6E 2V1

I graduated with a BSc (Honours) in Geology from University of Pretoria in South Africa in 1981.

I have worked as a geologist for a total of 25 years since my graduation from University.
I was on the property for $10 \%$ of the time while the diamond drilling took place.
1 am responsible for the preparation of all the sections of the report titled; Assessment Report on the Missy Drilling and Mapping as well as the Sampling of the Missy and Magnum Properties, under the supervision of John Kowalchuk P. Geol.


George Coetzee, BSc. (Honours) in Geology

## APPENDIX A

Claim Information

Trident Copper Project Claim Information

| Tenure Number | Claim Name | Owner | $\frac{\mathrm{Map}}{\mathrm{No} .}$ | Good To <br> Date | $\frac{\text { GoodTo }}{\text { Code }}$ | Area |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\frac{501462}{}$ | Sox | 124708. | 094K | 2010/dec/31 | 20101231 | 253.727 |
| 545932 | MINER1 | 146886 | 094K | 2007/nov/26 | 20071126 | 404.843 |
| 545933 | MINER 2 | 146886 | 094K | 2007/nov/26 | 20071126 | 404.553 |
| 545934 | MINER 3 | 146886. | 094K | 2007/nov/26 | 20071126 | 404.171 |
| 545935 | MINER 4 | 146886 | 094K | 2007/nov/26 | 20071126 | 420.458 |
| 545936 | MINER 6 | 146886 | 094K | 2007/nov/26 | 20071126 | 420.574 |
| 545937 | MINER 7 | 146886 | 094K | 2007/nov/26 | 20071126 | 302.943 |
| 545968 | MINER 8 | 146886 | 094K | 2007/nov/27 | 20071127 | 118.103 |
| 545969 | MINER 9 | 146886. | 094K | 2007/nov/27 | 20071127 | 16.874 |
| 501389 | Cisco | 124708. | 094K | 2007/dec/31 | 20071231 | 423.072 |
| 525771 | GRIZZLY 73 | 146886 | 094K | 2008/jan/18 | 20080118 | 423.674 |
| 525772 | GRIZZIY 74 | 146886 | 094K | 2008/janit8 | 20080118 | 423.669 |
| 525773 | GRIZZLY 75 | 146886 | 094K | 2008/jan/18 | 20080118 | 423.902 |
| 525774 | GRIZZLY 76 | 146886 | 094K | 2008/jan/18 | 20080118 | 423.891 |
| 525780 | GRIZZLY 77 | 146886 | 094K | 2008/jan/18 | 20080118 | 407.139 |
| 525783 | GRIZZLY 78 | 146886 | 094K | 2008/jan/18 | 20080118 | 407.325 |
| 525784 | GRIZZLY 79 | 146886 | 094K | 2008/jan/18 | 20080118 | 424.507 |
| 525785 | GRIZZLY 80 | 146886 . | 094K | 2008/jan/18 | 20080118 | 288.663 |
| 525787 | GRIZZIY 81 | 146886 | 094K | 2008/jan/18 | 20080118 | 406.332 |
| 525788 | GRIZZLY 82 | 146886 | 094K | 2008/jan/t8 | 20080118 | 406.441 |
| 525789 | GRIZZLY 83 | 146886. | 094K | 2008/jan/18 | 20080118 | 406.5 |
| 525791 | GRIZZLY 84 | 146886 | 094K | 2008/jan/98 | 20080118 | 406.644 |
| 525792 | GRIZZLY 85 | 146886 | 094K | 2008/jan/18 | 20080118 | 423.69 |
| 525794 | GRIZZLY 86 | 146886 | 094K | 2008/jan/18 | 20080118 | 423.727 |
| 525795 | GRIZZLY 87 | 146886. | 094K | 2008/jan/18 | 20080118 | 423.924 |
| 525797 | GRIZZLY 88 | 146886 | 094K | 2008/jan/18 | 20080118 | 406.934 |
| 525798 | GRIZZLI 89 | 146886 | 094K | 2008/jan/18 | 20080118 | 373.208 |
| 525799 | GRIZZLL 90 | 146886 | 094K | 2008/jan/18 | 20080118 | 425.585 |
| 525801 | GRIZZLY 91 | 146886 | 094K | 2008/jan/18 | 20080118 | 425.59 |
| 525802 | GRIZZLY 92 | 146886 | 094K | 2008/jan/18 | 20080118 | 425.331 |
| 525803 | GRIZZLY 93 | 146886. | 094K | 2008/jan/18 | 20080118 | 425.337 |
| 525804 | GRIZZLY 94 | 146886 | 094K | 2008/jan/18 | 20080118 | 425.174 |
| 525805 | GRIZZLY 95 | 146886. | 094K | 2008/jan/18 | 20080118 | 323.352 |
| 525808 | GRIZZLY 96 | 146886 | 094K | 2008/jan/18 | 20080118 | 426.526 |
| 525809 | GRIZZLY 97 | 146886. | 094K | 2008/fan/18 | 20080118 | 272.843 |
| 525811 | GRIZZLY 98 | 146886 . | 094K | 2008/jan/18 | 20080118 | 426.356 |
| 525814 | GRIZZLY 99 | 146886 | 094K | 2008/jan/18 | 20080118 | 408.621 |
| 525815 | GRIZZLY 100 | 146886 | 094K | 2008/jan/18 | 20080118 | 425.843 |
| 525816 | GRIZZLY 101 | 146886. | 094K | 2008/fan/18 | 20080118 | 204.436 |
| 525818 | GRIZZLY 102 | 146886. | 094k | 2008/jan/18 | 20080118 | 406.599 |
| 525820 | GRIZZLY 103 | 146886. | 094K | 2008/jan/18 | 20080118 | 406.6 |
| 525821 | GRIZZLY 104 | 146886. | 094K | 2008/jan/18 | 20080118 | 101.674 |
| 525822 | DIEPPE 54 | 146886. | 094K | 2008fan/18 | 20080318 | 404.755 |


| 525823 | DIEPPE 55 | 146886 | 094K | 2008/jan/18 | 20080118 | 404.562 |
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| 508707 | Toad 1 | 146886 | 094K | 2008/mar/10 | 20080310 | 422.37 |
| 508709 | Toad 2 | 146886 | 094K | 2008/mar/10 | 20080310 | 406.753 |
| 508710 | Toad 3 | 146886 | 094K | 2008/mar/10 | 20080310 | 424.742 |
| 529843 | WOKK02 | 200740 | 094K | 2008/mas/10 | 20080310 | 422.178 |
| 529844 | WOKK03 | 200740. | 094K | 2008/mar/10 | 20080310 | 422.174 |
| 529845 | WOKK04 | 200740 | 094K | 2008/mar/10 | 20080310 | 422.294 |
| 529846 | WOKK05 | 200740 | 094K | 2008/mar/10 | 20080310 | 405.553 |
| 529847 | WOKK06 | 200740. | 094K | 2008/mar/10 | 20080310 | 405.551 |
| 529848 | WOKK07 | 200740. | 094K | 2008/mar/10 | 20080310 | 405.768 |
| 529849 | WOKK08 | 200740 | 094K | 2008/mar/10 | 20080310 | 405.757 |
| 529850 | WOKK09 | 200740. | 094K | 2008/mar/10 | 20080310 | 405.644 |
| 529851 | WOKK01 | 200740. | 094K | 2008/mar/10 | 20080310 | 405.555 |
| 509540 | Gang | 146887. | 094K | 2008/mar/23 | 20080323 | 405.288 |
| 509553 | Annabelle | 146887 | 094K | 2008/mar/23 | 20080323 | 408.329 |
| 509563 | He | 146887. | 094K | 2008/mar/23 | 20080323 | 425.386 |
| 509567 | HD | 146887 | 094K | 2008/mat/23 | 20080323 | 425.643 |
| 509576 | Goat Chodi | 146887. | 094K | 2008/mar/23 | 20080323 | 426.513 |
| 531536 | DM01 | 202640 | 094K | 2008/apr/08 | 20080408 | 423.819 |
| 531537 | DM02 | 202640 | 094K | 2008/apr/08 | 20080408 | 423.817 |
| 531538 | DM03 | 202640 | 094K | 2008/apr/08 | 20080408 | 423.818 |
| 531539 | DM04 | 202840. | 094K | 2008/apr/08 | 20080408 | 424.074 |
| 531540 | DM05 | 202640. | 094K | 2008/apr/08 | 20080408 | 424.069 |
| 531541 | DM06 | 202640 | 094K | 2008/apr/08 | 20080408 | 424.066 |
| 531542 | DM07 | 202640 | 094K | 2008/apr/08 | 20080408 | 407.325 |
| 531543 | DM08 | 202640 | 094K | 2008/apr/08 | 20080408 | 424.289 |
| 531544 | DM09 | 202640 | 094K | 2008/apr/08 | 20080408 | 424.153 |
| 531545 | DM10 | 202640 | 094K | 2008/apr/08 | 20080408 | 407.517 |
| 531547 | DM11 | 202640. | 094K | 2008/apri08 | 20080408 | 407.512 |
| 531548 | DM12-01 | 202640 | 094K | 2008/apr/08 | 20080408 | 407.508 |
| 531549 | DM13.01 | 202640 . | 094K | 2008/apr/08 | 20080408 | 135.835 |
| 511212 | GRIZZİY 30 | 146886 | 094K | 2008/apr/20 | 20080420 | 425.845 |
| 511215 | GRIZ7LY 31 | 146886. | 094K | 2008/apr/20 | 20080420 | 425.855 |
| 511217 | GRIZZIY 32 | 146886. | 094K | 2008/apr/20 | 20080420 | 425.858 |
| 511219 | GRIZZLY 33 | 146886. | 094K | 2008/apr/20 | 20080420 | 425.856 |
| 511220 | GRIZZLY 34 | 146886. | 094K | 2008/apr/20 | 20080420 | 425.857 |
| 511222 | GRIZZLY 35 | 146886. | 094K | 2008/apt/20 | 20080420 | 425.861 |
| 511223 | GRIZZLY 36 | 146886. | 094K | 2008/apr/20 | 20080420 | 425.854 |
| 511225 | GRIZZLY 37 | 146886 . | 094K | 2008/apr/20 | 20080420 | 426.115 |
| 511228 | GRIZZLY 38 | 146886. | 094K | 2008/apr/20 | 20080420 | 426.12 |
| $5 \uparrow 1232$ | GRIZZLY 39 | 146886. | 094K | 2008/apri20 | 20080420 | 426.121 |
| 511235 | GRIZZLY 40 | 146886. | 094K | 2008/apr/20 | 20080420 | 426.123 |
| 511236 | GRIZZLY 41 | 146886. | 094K | 2008/apr/20 | 20080420 | 426.127 |
| 511242 | GRIZZLY 42 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.115 |
| 511245 | GRIZZLY 43 | 146886 . | 094K | 2008/apr/20 | 20080420 | 426.105 |


| 1247 | GRIZZLY 44 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.363 |
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| 511248 | GRIZZLY 45 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.366 |
| 511250 | GRIZZLY 46 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.369 |
| 511252 | GRIZZLY 47 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.373 |
| 511253 | GRIZZLY 48 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.368 |
| 511254 | GRIZZLY 49 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.356 |
| 511256 | GRIZZLY 50 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.347 |
| 511258 | GRIZZLY 51 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.607 |
| 511260 | GRIZZLY 52 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.612 |
| 511262 | GRIZZZLY 53 | 146886. | 094K | 2008/apr/20 | 20080420 | 426.617 |
| 511263 | GRIZZLY 54 | 146886. | 094K | 2008/apr/20 | 20080420 | 426.62 |
| $51+265$ | GRIZZLY 55 | 146886. | 094K | 2008/apri20 | 20080420 | 426.616 |
| 511267 | GRIZZLY 56 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.836 |
| 511268 | GRIZZLY 57 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.838 |
| 511269 | GRIZZLY 58 | 146886. | 094K | 2008/apr/20 | 20080420 | 426.843 |
| 511271 | GRIZZLY 59 | 146886 | 094K | 2008/apr/20 | 20080420 | 410.014 |
| 511272 | GRIZZLY 60 | 146886 | 094K | 2008/apr/20 | 20080420 | 410.011 |
| 511273 | GRIZZLY 61 | 146886 | 094K | 2008/aps/20 | 20080420 | 410.013 |
| 511274 | GRIZZLY 62 | 146886. | 094 K | 2008/apr/20 | 20080420 | 410.224 |
| 511275 | GRIZZLY 63 | 146886 | 094K | 2008/apr/20 | 20080420 | 426.847 |
| 511276 | GRIZZLY 64 | 146886 | 094K | 2008/apt/20 | 20080420 | 410.015 |
| 511436 | SOCRATES 20 | 146886 | 094K | 2008/apr/22 | 20080422 | 404.382 |
| 511439 | SOCRATES 21 | 146885 | 094K | 2008/apr/22 | 20080422 | 403.538 |
| 511441 | SOCRATES 22 | 146886 | 094K | 2008/apr/22 | 20080422 | 403.533 |
| 514443 | SOCRATES 23 | 146886 | 094K | 2008/apr/22 | 20080422 | 336.273 |
| 511446 | SOCRATES 24 | 146886. | 094K | 2008/apr/22 | 20080422 | 420.362 |
| 511447 | SOCRATES 25 | 146886. | 094K | 2008/apr/22 | 20080422 | 420.359 |
| 511448 | SOCRATES 26 | 146886 | 094K | 2008/apr/22 | 20080422 | 420.614 |
| 511449 | SOCRATES 27 | 146886 | 094K | 2008/apr/22 | 20080422 | 420.611 |
| 511451 | SOCRATES 28 | 146886 | 094K | 2008/apr/22 | 20080422 | 420.928 |
| 511452 | SOCRATES 29 | 146886 | 094K | 2008/apr/22 | 20080422 | 420.925 |
| 511453 | SOCRATES 30 | 146886 | 094K | 2008/apr/22 | 20080422 | 421.224 |
| 511454 | SOCRATES 31 | 146886. | 094K | 2008/apr/22 | 20080422 | 404.394 |
| 511455 | SOCRATES 32 | 146886 | 094K | 2008/apr/22 | 20080422 | 404.628 |
| 511456 | SOCRATES 33 | 146886 | 094K | 2008/apr/22 | 20080422 | 404.877 |
| 511457 | SOCRATES 34 | 146886 | 094K | 2008/apr/22 | 20080422 | 369.953 |
| 511458 | SOCRATES 35 | 146886 | 094K | 2008/apt/22 | 20080422 | 336.439 |
| 511459 | SOCRATES 36 | 146886. | 094K | 2008/apr/22 | 20080422 | 336.441 |
| 511460 | SOCRATES 37 | 146886. | 094K | 2008/apr/22 | 20080422 | 420.788 |
| 511461 | SOCRATES 38 | 146886. | 094 K | 2008/apr/22 | 20080422 | 420.977 |
| 511463 | SOCRATES 39 | 146886. | 094K | 2008/apr/22 | 20080422 | 404.203 |
| 511465 | SOCRATES 40 | 146886. | 094K | 2008/apr/22 | 20080422 | 336.981 |
| 511466 | SOCRATES 41 | 146886. | 094K | 2008/apr/22 | 20080422 | 269.582 |
| 511472 | DELANO 10 | 146886. | 094K | 2008/apr/22 | 20080422 | 405.796 |
| 511473 | DELANO 14 | 146886. | 094K | 2008/apr/22 | 20080422 | 405.944 |


| 511475 | DELANO 12 | 146886 | 094K | 2008/apr/22 | 20080422 | 355.262 |
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| 511476 | DELANO 13 | 146886 | 094K | 2008/apr/22 | 20080422 | 406.16 |
| 511478 | DELANO 14 | 146886 | 094K | 2008/apr/22 | 20080422 | 406.331 |
| 511480 | DELANO 15 | 146886 | 094K | 2008/apr/22 | 20080422 | 406.328 |
| 511482 | DELANO 16 | 146886. | 094K | 2008/apr/22 | 20080422 | 423.485 |
| 511483 | DELANO 17 | 146886 | 094K | 2008/apr/22 | 20080422 | 423.482 |
| 511485 | DELANO 18 | 146886 | 094K | 2008/apr/22 | 20080422 | 406.803 |
| 511488 | DELANO 19 | 146886 | 094K | 2008/apr/22 | 20080422 | 422.464 |
| 511490 | DELANO 20 | 146886 | 094K | 2008/apr/22 | 20080422 | 405.401 |
| 511492 | DIEPPE 45 | 146886. | 094K | 2008/apr/22 | 20080422 | 404.78 |
| 511494 | DIEPPE 46 | 146886 | 094K | 2008/apr/22 | 20080422 | 354.334 |
| 511496 | DIEPPE 46 | 146886 | 094K | 2008/apr/22 | 20080422 | 405.054 |
| 511498 | DIEPPE 47 | 146886. | 094K | 2008/apr/22 | 20080422 | 405.202 |
| 511500 | DIEPPE 48 | 146886. | 094K | 2008/apr/22 | 20080422 | 405.413 |
| 511502 | TOAD 4 | 146886 | 094K | 2008/apr/22 | 20080422 | 422.32 |
| 511505 | TOAD 5 | 146886. | 094K | 2008/apr/22 | 20080422 | 405.183 |
| 511507 | TOAD 6 | 146886. | 094K | 2008/apr/22 | 20080422 | 405.262 |
| 511509 | TOAD 7 | 146886 | 094K | 2008/apr/22 | 20080422 | 371.767 |
| 511511 | TOAD 8 | 146886. | 094K | 2008/apr/22 | 20080422 | 406.367 |
| 511512 | TOAD 9 | 146886 | 094K | 2008/apr/22 | 20080422 | 423.46 |
| 511513 | TOAD 10 | 146886 | 094K | 2008/apr/22 | 20080422 | 423.492 |
| 511515 | TOAD 11 | 146886 | 094K | 2008/apr/22 | 20080422 | 406.756 |
| 511520 | GATAGA 21 | 146886. | 094K | 2008/apr/22 | 20080422 | 409.205 |
| 511522 | GATAGA 22 | 146886 | 094K | 2008/apr/22 | 20080422 | 408.91 |
| 511523 | gataga 23 | 146886 | 094K | 2008/apr/22 | 20080422 | 408.853 |
| 511525 | GATAGA 24 | 146886 | 094K | 2008/apr/22 | 20080422 | 408.725 |
| 511526 | GATAGA 25 | 146886 | 094K | 2008/apr/22 | 20080422 | 408.569 |
| 511528 | GATAGA 26 | 146886 | 094K | 2008/apr/22 | 20080422 | 408.421 |
| 511529 | GATAGA 27 | 146886. | 094K | 2008/apr/22 | 20080422 | 408.233 |
| 511530 | GATAGA 28 | 146886 | 094K | 2008/apr/22 | 20080422 | 425.688 |
| 511531 | GATAGA 29 | 146886 | 094K | 2008/apr/22 | 20080422 | 374.418 |
| 511532 | GATAGA 30 | 146886. | 094 K | 2008/apr/22 | 20080422 | 425.291 |
| 511533 | GATAGA 31 | 146886 | 094K | 2008/apr/22 | 20080422 | 425.124 |
| 511534 | gataga 32 | 146886 | 094K | 2008/apr/22 | 20080422 | 407.967 |
| 511536 | gataga 33 | 146886. | 094K | 2008/apr/22 | 20080422 | 427.501 |
| 511537 | GATAGA 34 | 146886. | 094K | 2008/apr/22 | 20080422 | 426.639 |
| 511538 | GATAGA 35 | 146886 | 094K | 2008/apr/22 | 20080422 | 427.084 |
| 511539 | GATAGA 36 | 146886 | 094K | 2008/apr/22 | 20080422 | 427.305 |
| 511595 | SOCRATES 42 | 146886. | 094K | 2008/apr/25 | 20080425 | 353.244 |
| 511596 | SOCRATES 43 | 146886. | 094K | 2008/apr/25 | 20080425 | 353.37 |
| 511597 | SOCRATES 44 | 146886. | 094K | 2008/apr/25 | 20080425 | 353.515 |
| 511599 | SOCRATES 45 | 146886. | 094K | 2008/apr/25 | 20080425 | 202.104 |
| 511600 | DIEPPE 49 | 146886. | 094K | 2008/apr/25 | 20080425 | 404.487 |
| 511602 | DIEPPE 50 | 146885. | 094K | 2008/apr/25 | 20080425 | 404.489 |
| 511603 | DIEPPE 51 | 146886. | 094K | 2008/apr/25 | 20080425 | 404.491 |
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| 511604 | DIEPPE 52 | 146886 | 094K | 2008/apr/25 | 20080425 | 404.662 |
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| 511607 | TOAD 12 | 146886 | 094K | 2008/apr/25 | 20080425 | 405.79 |
| 511608 | TOAD 13 | 146886 | 094K | 2008/apr/25 | 20080425 | 405.715 |
| 511610 | TOAD 14 | 146886 | 094K | 2008/apr/25 | 20080425 | 405.885 |
| 511611 | TOAD 15 | 146886 | 094K | 2008/apr/25 | 20080425 | 372.015 |
| 511613 | TOAD 16 | 146886. | 094K | 2008/apr/25 | 20080425 | 406.942 |
| 511614 | DIEPPE 53 | 146886 | 094K | 2008/apr/25 | 20080425 | 354.111 |
| 511615 | GATAGA 37 | 146886 | 094K | 2008/apr/25 | 20080425 | 407.894 |
| 511616 | GATAGA 38 | 146886. | 094K | 2008/apr/25 | 20080425 | 425.212 |
| 511618 | GATAGA 39 | 146886 | 094K | 2008/apr/25 | 20080425 | 407.749 |
| 511619 | DELANO 21 | 146886 | 094K | 2008/apr/25 | 20080425 | 405.932 |
| 511620 | DELANO 22 | 146886 | 094K | 2008/apr/25 | 20080425 | 202.878 |
| 515464 | SOCRATES 46 | 146886 | 094K | 2008/jun/28 | 20080628 | 420.022 |
| 515466 | SOCRATES 47 | 146886 | 094K | 2008/jun/28 | 20080628 | 420.129 |
| 515467 | SOCRATES 48 | 146886. | 094K | 2008/jun/28 | 20080628 | 319.127 |
| 515468 | SOCRATES 49 | 146886. | 094K | 2008/jun/28 | 20080628 | 420.125 |
| 515470 | SOCRATES 50 | 146886. | 094K | 2008/jun/28 | 20080628 | 419.865 |
| 515471 | SOCRATES 51 | 146886. | 094K | 2008/jun/28 | 20080628 | 421.761 |
| 515472 | SOCRATES 52 | 146886 | 094K | 2008/jun/28 | 20080628 | 421.75 |
| 515476 | SOCRATES 53 | 146886 | 094K | 2008/jun/28 | 20080628 | 421.51 |
| 515482 | SOCRATES 54 | 146886 | 094K | 2008/jun/28 | 20080628 | 421.954 |
| 515485 | SOCRATES 55 | 146886 | 094K | 2008/jun/28 | 20080628 | 421.954 |
| 515490 | DELANO 23 | 146886 | 094K | 2008jun/28 | 20080628 | 422.197 |
| 515495 | DELANO 24 | 146886 | 094K | 2008/jun/28 | 20080628 | 422.181 |
| 515505 | DELANO 25 | 146886 | 094K | 2008fun/28 | 20080628 | 405.439 |
| 515516 | DELANO 26 | 146886 | 094K | 2008/Jun/28 | 20080628 | 405.535 |
| 520525 | LYNDA1 | 146886 | 094K | 2008/jun/28 | 20080628 | 427.38 |
| 520526 | LYNDA2 | 145886 | 094K | 2008/jun/28 | 20080628 | 427.374 |
| 520527 | LYNDA3 | 146886. | 094K | 2008/jun/28 | 20080628 | 427.619 |
| 520528 | LYNDA4 | 146886 | 094K | 2008/jun/28 | 20080828 | 427.37 |
| 520529 | LYNDA5 | 146886 | 094K | 2008/fun/28 | 20080628 | 427.616 |
| 515811 | SOCRATES 56 | 146886 | 094K | 2008/jul/01 | 20080701 | 319.277 |
| 515813 | SOCRATES 57 | 146886 | 094K | 2008fullot | 20080701 | 302.597 |
| 515816 | SOCRATES 58 | 146886 | 094K | 2008/juvot | 20080701 | 403.095 |
| 515817 | SOCRATES 59 | 146886 | 094K | 2008/juv01 | 20080701 | 403.34 |
| 515818 | SOCRATES 60 | 146886 | 094K | 2008/jut0t | 20080701 | 403.333 |
| 515819 | SOCRATES 61 | 146886. | 094K | 2008/jul/01 | 20080701 | 419.939 |
| 515820 | SOCRATES 62 | 146886 | 094K | 2008/ul/01 | 20080701 | 420.678 |
| 515821 | SOCRATES 63 | 146886 | 094K | 2008/ul/01 | 20080701 | 420.988 |
| 515822 | SOCRATES 64 | 146886. | 094K | 2008/ul/01 | 20080701 | 420.979 |
| 515823 | SOCRATES 65 | 146886. | 094K | 2008fulion | 20080701 | 303142 |
| 515824 | SOCRATES 66 | 146886 | 094K | 2008ful/0 | 20080701 | 421.259 |
| 515825 | SOCRATES 67 | 146886 | 094K | 2008/ju/\%1 | 20080701 | 421.248 |
| 515826 | SOCRATES 68 | 146886 | 094K | 2008/jul/01 | 20080701 | 421.499 |
| 517407 | TOAD 17 | 146886 | 094K | 2008/jul/12 | 20080712 | 118.277 |


| 517410 | TOAD 18 | 146886 | 094K | 2008/jul/12 | 20080712 | 118.206 |
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| 517636 | DELANO 27 | 146886 . | 094K | 2008/fu/13 | 20080713 | 422.181 |
| 517637 | DELANO 28 | 146886 | 094K | 2008/jul/13 | 20080713 | 405.26 |
| 517639 | DELANO 28 | 146886 | 094K | 2008/jul/13 | 20080713 | 405.183 |
| 517877 | LR2 | 146886 | 094K | 2008/jul17 | 20080717 | 405.195 |
| 517878 | LR3 | 146886 | 094K | 2008/jul/17 | 20080717 | 270.133 |
| 517882 | LR6 | 146886 | 094K | 2008/jul/17 | 20080717 | 422.31 |
| 517885 | LR7 | 146886. | 094K | 2008ful17 | 20080717 | 354.947 |
| 517886 | LR8 | 146886 | 094K | 2008/jul/17 | 20080717 | 422.541 |
| 517888 | LR9 | 146886 | 094K | 2008/jul/17 | 20080717 | 422.547 |
| 517890 | LR10 | 146886 | 094K | 2008/jul/ 17 | 20080717 | 422.555 |
| 517891 | LR\$1 | 146886 | 094K | 2008/jul/17 | 20080717 | 422.556 |
| 517892 | LR12 | 146886 | 094K | 2008/ju117 | 20080717 | 422.77 |
| 517893 | LR5 | 146886 | 094K | 2008/jul/17 | 20080717 | 337.844 |
| 517894 | LR13 | 146886 | 094K | 2008/ju/717 | 20080747 | 372.052 |
| 517895 | LR14 | 146886 | 094K | 2008/jul/i7 | 20080717 | 405.861 |
| 517898 | LR15 | 146886 | 094 K | 2008/jul/17 | 20080717 | 405.854 |
| 517899 | LR16 | 146886 | 094K | $2008 / \mathrm{jul} / 17$ | 20080717 | 405.848 |
| 517900 | LR17 | 146886 | 094K | 2008/jul/17 | 20080717 | 405.892 |
| 517924 | LR41 | 146886. | 094K | 2008/jul/17 | 20080717 | 404.979 |
| 517925 | LR42 | 146886 | 094K | 2008/jul/17 | 20080717 | 404.98 |
| 517926 | LR43 | 146886 | 094K | 2008/jul/17 | 20080717 | 404.982 |
| 517927 | LR44 | 146886 | 094K | $2008 \mathrm{fju/h} 7$ | 20080717 | 404.982 |
| 517928 | LR45 | 146886 | 094K | 2008/jul/17 | 20080717 | 404.983 |
| 517929 | LR46 | 146886 | 094K | 2008 ful/ 17 | 20080717 | 404.984 |
| 517930 | LR49 | 146886 | 094K | 2008/jul/17 | 20080717 | 405.191 |
| 517931 | LR47 | 146886 | 094K | 2008/ju/17 | 20080717 | 404.988 |
| 517932 | LR48 | 146886 | 094K | 2008/jul/17 | 20080717 | 421.843 |
| 517901 | LR18 | 200740 . | 094K | 2008/ju/17 | 20080717 | 355.343 |
| 517902 | LR19 | 200740 | 094K | 2008 julli 7 | 20080717 | 422.98 |
| 517903 | LR20 | 200740 | 094K | 2008/jul/17 | 20080717 | 422.98 |
| 517904 | LR21 | 200740. | 094K | 2008/gul/7 | 20080717 | 422.978 |
| 517905 | LR22 | 200740. | 094K | 2008 fulis | 20080717 | 422.975 |
| 517906 | LR23 | 200740 | 094K | 2008/ju117 | 20080717 | 422.973 |
| 517907 | LR24 | 200740 | 094K | 2008/jul/17 | 20080717 | 406.126 |
| 517908 | LR25 | 200740 | 094K | 2008/ju/17 | 20080717 | 406.247 |
| 517910 | LR27 | 200740. | 094K | 2008/jul/i7 | 20080717 | 406.276 |
| 517911 | LR28 | 200740 | 094K | 2008/jul/17 | 20080717 | 406.276 |
| 517912 | LR29 | 200740. | 094K | 2008/jul17 | 20080717 | 406.277 |
| 517913 | LR30 | 200740 | 094K | 2008/jul/17 | 20080717 | 406.274 |
| 517915 | LR32 | 200740 | 094K | 2008fu/17 | 20080717 | 423.429 |
| 517916 | LR33 | 200740. | 094K | 2008/jul/ 17 | 20080717 | 423.429 |
| 517917 | LR34 | 200740. | 094K | 2008/jul/17 | 20080717 | 423.429 |
| 517918 | LR35 | 200740. | 094K | 2008/jul/17 | 20080717 | 423.425 |
| 517919 | LR36 | 200740. | 094K | 2008/jul/17 | 20080717 | 423.678 |


| 517920 | LR37 | 200740. | 094K | $2008 \mathrm{ful} / 17$ | 20080717 | 423.679 |
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| 517921 | LR38 | 200740 | 094K | 2008/jul/17 | 20080717 | 423.678 |
| 517922 | LR39 | 200740 | 094K | 2008/ju/17 | 20080717 | 423.674 |
| 517923 | LR40 | 200740 | 094K | 2008/jul/17 | 20080717 | 406.945 |
| 537919 | RR1 | 200740. | 094K | 2008/ful/27 | 20080727 | 388.153 |
| 537920 | RR2 | 200740. | 094K | 2008/jul/27 | 20080727 | 236.402 |
| 537921 | RR3 | 200740. | 094K | 2008/jul/27 | 20080727 | 388.175 |
| 537922 | RR4 | 200740 | 094K | 2008/Jul/27 | 20080727 | 421.937 |
| 537923 | RR5 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.933 |
| 537925 | RR6 | 200740. | 094K | 2008/jul/27 | 20080727 | 421.932 |
| 537926 | RR7 | 200740. | 094K | 2008/jul/27 | 20080727 | 421.934 |
| 537927 | RR8 | 200740. | 094K | 2008/ul/27 | 20080727 | 421.738 |
| 537929 | RR9 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.712 |
| 537931 | RR10 | 200740 | 094K | $2008 / \mathrm{jul} / 27$ | 20080727 | 421.721 |
| 537932 | RR11 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.472 |
| 537933 | RR12 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.705 |
| 537935 | RR3 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.7 |
| 537936 | RR14 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.932 |
| 537937 | RR16 | 200740. | 094K | 2008/, $1 / 27$ | 20080727 | 421.695 |
| 537940 | RR18 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.695 |
| 537942 | RR19 | 200740 | 094K | 2008fu/ 27 | 20080727 | 337.357 |
| 537944 | RR20 | 200740 | 094K | 2008/jul/27 | 20080727 | 404.026 |
| 537946 | RR21 | 200740 | 094K | 2008/jul/27 | 20080727 | 404.332 |
| 537949 | RR22 | 200740 | 094K | 2008/jul/27 | 20080727 | 320.306 |
| 537924 | AB01 | 202640 | 094K | 2008/jul/27 | 20080727 | 421.487 |
| 537928 | AB02 | 202640 | 094K | 2008/ful/27 | 20080727 | 421.463 |
| 537930 | AB03 | 202640 | 094K | 2008/juli27 | 20080727 | 421.455 |
| 537934 | AB04 | 202640 | 094K | $2008 \mathrm{jul} / 27$ | 20080727 | 303.8 |
| 537938 | AB05 | 202640 | 094K | 2008/ju/27 | 20080727 | 236.16 |
| 537941 | AB06 | 202640 | 094K | 2008/jul27 | 20080727 | 403.725 |
| 537943 | GRIZZ 1 | 202640 | 094K | 2008/jul/27 | 20080727 | 424.721 |
| 537945 | GRIZZ 2 | 202640. | 094K | $2008 \mathrm{fu} / 27$ | 20080727 | 424.716 |
| 537947 | GRIZZ 3 | 202640. | 094K | 2008/jul/27 | 20080727 | 424.713 |
| 537948 | GRIZZ 4 | 202640. | 094K | $2008 / \mathrm{ful} / 27$ | 20080727 | 424.71 |
| 537950 | GRIZZ 5 | 202640. | 094K | 2008/jul/27 | 20080727 | 424.727 |
| 537951 | GRIZZ 6 | 202640. | 094K | $2008 / \mathrm{ju} / 27$ | 20080727 | 424.947 |
| 537952 | GRIZZ 7 | 202640. | 094K | 2008/jul/27 | 20080727 | 424.931 |
| 537953 | GRIZZ 8 | 202640. | 094K | 2008/jul/27 | 20080727 | 424.935 |
| 537954 | GRIZZ 9 | 202640. | 094K | 2008fiul/27 | 20080727 | 424.926 |
| 537955 | GRIZZ 10 | 202640. | 094K | 2008/jul/27 | 20080727 | 407.904 |
| 538026 | PQ09 | 200740. | 094K | 2008/jul/28 | 20080728 | 421.236 |
| 538029 | PQ02 | 200740. | 094K | 2008/jul/28 | 20080728 | 421.222 |
| 538036 | PQ03 | 200740. | 094K | 2008/jul/28 | 20080728 | 420.355 |
| 538038 | PQ04 | 200740 | 094K | 2008/jul/28 | 20080728 | 420.354 |
| 538045 | PQ05 | 200740 | 094K | 2008/ful/28 | 20080728 | 386.932 |
|  |  |  |  |  |  |  |


| 538048 | PQ06 | 200740 | 094K | 2008/ju/28 | 20080728 | 403.804 |
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| 538052 | PQ07 | 200740 | 094K | 2008/jul/28 | 20080728 | 202.02 |
| 538055 | PQ08 | 200740. | 094K | 2008fui/28 | 20080728 | 420.353 |
| 538057 | PQ09 | 200740 | 094K | 2008/jul/28 | 20080728 | 403.802 |
| 538060 | PQ10 | 200740. | 094K | 2008fu/28 | 20080728 | 403.329 |
| 538062 | PQ11 | 200740 | 094K | 2008/jul/28 | 20080728 | 403.325 |
| 538065 | PQ12 | 200740 | 094K | 2008/jul/28 | 20080728 | 403.323 |
| 538067 | PQ13 | 200740 | 094K | 2008/jul/28 | 20080728 | 403.323 |
| 538070 | PQ14 | 200740 | 094K | 2008/jul/28 | 20080728 | 352.506 |
| 538073 | PQ15 | 200740. | 094K | 2008/jul/28 | 20080728 | 419.633 |
| 538077 | PQ16 | 200740. | 094K | 2008/jul/28 | 20080728 | 352.329 |
| 538079 | PQ17 | 200740. | 094K | 2008/jul/28 | 20080728 | 385.831 |
| 538082 | PQ18 | 200740 | 094K | 2008ful/28 | 20080728 | 402.599 |
| 538084 | PQ19 | 200740 | 094K | 2008ful/28 | 20080728 | 402.937 |
| 538085 | PQ20 | 200740 | 094K | 2008/jul/28 | 20080728 | 402.937 |
| 538087 | PQ21 | 200740 | 094K | 2008/jul/28 | 20080728 | 402.937 |
| 538089 | PQ22 | 200740 | 094K | 2008/jul/28 | 20080728 | 402.936 |
| 538091 | PQ23 | 200740. | 094K | 2008/ul/28 | 20080728 | 386.36 |
| 538092 | PQ24 | 200740 | 094K | 2008/jul/28 | 20080728 | 403.156 |
| 538096 | PQ25 | 200740. | 094K | 2008/ju/28 | 20080728 | 402.601 |
| 538025 | RR23 | 202640 | 094K | 2008/jul/28 | 20080728 | 421.45 |
| 538028 | RR24 | 202540 | 094K | 2008/jul/28 | 20080728 | 421.446 |
| 538031 | RR25 | 202640. | 094K | 2008/jul/28 | 20080728 | 421.441 |
| 538033 | RR26 | 202640 | 094K | 2008/ju/28 | 20080728 | 84.288 |
| 538037 | RR27 | 202640 | 094K | 2008/jul/28 | 20080728 | 421.213 |
| 538039 | RR28 | 202640. | 094K | 2008/jul/28 | 20080728 | 421.205 |
| 538042 | RR29 | 202640 | 094K | 2008/jul/28 | 20080728 | $42 \uparrow .201$ |
| 538043 | RR30 | 202640. | 094K | 2008/jul/28 | 20080728 | 421.196 |
| 538046 | RR31 | 202640 | 094K | 2008/jul/28 | 20080728 | 303.237 |
| 538047 | RR32 | 202640 | 094K | 2008/jul/28 | 20080728 | 420.957 |
| 538050 | RR33 | 202640 | 094K | 2008 $/ \mathrm{jul} / 28$ | 20080728 | 420.95 |
| 538053 | RR34 | 202640 | 094K | 2008/ju/128 | 20080728 | 420.944 |
| 538054 | RR35 | 202640 | 094K | 2008/juil28 | 20080728 | 420.941 |
| 538056 | RR36 | 202640 | 094K | 2008/jul/28 | 20080728 | 336.75 |
| 538058 | RR37 | 202640. | 094K | 2008/jul/28 | 20080728 | 403.802 |
| 538061 | RR38 | 202640. | 094K | 2008/jul/28 | 20080728 | 403.802 |
| 538063 | RR39 | 202640. | 094K | 2008/jul/28 | 20080728 | 403.803 |
| 538064 | RR40 | 202640. | 094K | 2008/jul/28 | 20080728 | 403.805 |
| 538066 | RR41 | 202640. | 094K | 2008/ju/28 | 20080728 | 269.267 |
| 538069 | RR42 | 202640. | 094K | 2008/jul/28 | 20080728 | 336.465 |
| 538071 | RR43 | 202640. | 094K | 2008/ju/28 | 20080728 | 420.353 |
| 538072 | RR44 | 202640. | 094K | 2008/jul/28 | 20080728 | 420.354 |
| 538075 | RR45 | 202640. | 094K | 2008/jul/28 | 20080728 | 420.356 |
| 538076 | RR46 | 202640. | 094K | 2008/jul/28 | 20080728 | 420.358 |
| 538078 | RR47 | 202640. | 094K | 2008/jul/28 | 20080728 | 269.018 |

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| 538080 | RR48 | 202640. | 094K | 2008/jul/28 | 20080728 | 403.325 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 538081 | RR49 | 202640 | 094K | 2008/jul/28 | 20080728 | 403.325 |
| 538083 | RR50 | 202640. | 094K | 2008/jul/28 | 20080728 | 403.329 |
| 538086 | RR51 | 202640 | 094K | 2008/jul/28 | 20080728 | 419.911 |
| 538088 | RR52 | 202640. | 094K | 2008ful/28 | 20080728 | 419.908 |
| 538090 | RR53 | 202640 | 094K | 2008/jul/28 | 20080728 | 419.907 |
| 538093 | RR54 | 202640. | 094K | 2008/4/1/28 | 20080728 | 419.905 |
| 538095 | RR55 | 202640 | 094K | 2008/jul/28 | 20080728 | 419.902 |
| 538097 | RR56 | 202640 | 094K | 2008/ul/28 | 20080728 | 402.991 |
| 538098 | RR57 | 202640 | 094K | 2008/jul/28 | 20080728 | 402.89 |
| 538099 | RR58 | 202640. | 094K | 2008/jul/28 | 20080728 | 402.603 |
| 538100 | RR59 | 202640 | 094K | 2008ful/28 | 20080728 | 402.604 |
| 518973 | GRIZZLY 65 | 146886 | 094K | 2008/aug/12 | 20080812 | 406.601 |
| 518974 | GRIZZLY 66 | 146886. | 094K | 2008/aug/12 | 20080812 | 406.412 |
| 518975 | GRIZZLY 67 | 146886 | 094K | 2008/aug/12 | 20080812 | 423.337 |
| 518976 | GRIZZLY 68 | 146886 | 094K | 2008/aug/12 | 20080812 | 406.604 |
| 518977 | GRIZZLY 69 | 146886 | 094K | 2008/aug/12 | 20080812 | 406.7 |
| 518978 | GRIZZLY 70 | 146886 | 094K | 2008/aug/12 | 20080812 | 406.983 |
| 518979 | GRIZZLY 71 | 146886. | 094K | 2008/aug/12 | 20080812 | 407.268 |
| 518980 | GRIZZLY 72 | 146886 | 094K | 2008/aug/12 | 20080812 | 424.502 |
| 519444 | Y01 | 200103 | 094K | 2008/aug/28 | 20080828 | 337.272 |
| 519445 | Y02 | 200103 | 094K | 2008/aug/28 | 20080828 | 303.66 |
| 519446 | Y03 | 200103 | 094K | 2008/aug/28 | 20080828 | 404.991 |
| 519447 | Y04 | 200103 | 094K | 2008/aug/28 | 20080828 | 202.528 |
| 519448 | Y05 | 200103 | 094K | 2008/aug/28 | 20080828 | 405.054 |
| 519449 | Y06 | 200103 | 094K | 2008/aug/28 | 20080828 | 303.903 |
| 519450 | Y07 | 200103 | 094K | 2008/aug/28 | 20080828 | 405.42 |
| 519451 | Y08 | 200103 | 094K | 2008/aug/28 | 20080828 | 422.192 |
| 519452 | Y09 | 200103 | 094K | 2008/aug/28 | 20080828 | 253.436 |
| 519453 | Y10 | 200103 | 094K | 2008/aug/28 | 20080828 | 202.751 |
| 519454 | Y11 | 200103 | 094K | 2008/aug/28 | 20080828 | 405.715 |
| 519455 | Y12 | 200103 | 094K | 2008/aug/28 | 20080828 | 202.962 |
| 519456 | Y13 | 200103 | 094K | 2008/aug/28 | 20080828 | 304.289 |
| 519457 | Y14 | 200103 | 094K | 2008/aug/28 | 20080828 | 422.642 |
| 519458 | Y15 | 200103 | 094K | 2008/aug/28 | 20080828 | 304.354 |
| 539991 | ANVIL01 | 202640 | 094K | 2008/aug/28 | 20080828 | 408.128 |
| 539993 | ANVIL02 | 202640. | 094K | 2008/aug/28 | 20080828 | 408.121 |
| 539994 | ANVIL03 | 202640 . | 094K | 2008/aug/28 | 20080828 | 204.058 |
| 539996 | ANVILO4 | 202640. | 094K | 2008/aug/28 | 20080828 | 408.094 |
| 539997 | ANVIL05 | 202640 | 094K | 2008/aug/28 | 20080828 | 408.284 |
| 539998 | ANVIL06 | 202640. | 094K | 2008/aug/28 | 20080828 | 408.282 |
| 539999 | ANVIL07 | 202640. | 094K | 2008/aug/28 | 20080828 | 408.281 |
| 540000 | ANVIL08 | 202640. | 094K | 2008/aug/28 | 20080828 | 408.423 |
| 540001 | ANVIL09 | 202640. | 094K | 2008/aug/28 | 20080828 | 136.141 |
| 540002 | ANVIL10 | 202640. | 094K | 2008/aug/28 | 20080828 | 306.251 |


| 508545 | Grizziy 1 | 146886 | 094K | 2008/sep/09 | 20080909 | 220.665 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 511143 | GRIZZLY 6 | 146886 | 094K | 2008/sep/09 | 20080909 | 407.61 |
| 511145 | GRIZZLY 8 | 146886 | 094K | 2008/sep/09 | 20080909 | 407.633 |
| 511146 | GRIZZLY 9 | 146886 | 094K | 2008/sep/09 | 20080909 | 424.838 |
| 511148 | GRIZZLY ${ }^{1}$ | 146886 | 094K | 2008/sep/09 | 20080909 | 407.779 |
| 511150 | GRIZZLY 12 | 146886 | 094K | 2008/sep/09 | 20080909 | 407.873 |
| 520483 | TOWER1 | 200103 | 094K | 2008/sep/27 | 20080927 | 355.197 |
| 520485 | TOWER2 | 200103 | 094K | 2008/sep/27 | 20080927 | 423.104 |
| 520486 | TOWER3 | 200103 | 094K | 2008/sep/27 | 20080927 | 423.291 |
| 520487 | TOWER4 | 200103 | 094K | 2008/sep/27 | 20080927 | 406.523 |
| 520650 | TOWER5 | 200103 | 094K | 2008/sep/30 | 20080930 | 338.278 |
| 520651 | TOWER6 | 200103. | 094K | 2008/sep/30 | 20080830 | 338.437 |
| 520652 | TOWER7 | 200103 | 094K | 2008/sep/30 | 20080930 | 338.596 |
| 520653 | TOWER8 | 200103 | 094K | 2008/sep/30 | 20080930 | 338.755 |
| 520704 | GS1 | 146887. | 094K | 2008/oct/02 | 20081002 | 389.013 |
| 520702 | GS2 | 146887. | 094K | 2008/oct/02 | 20081002 | 338.414 |
| 520703 | GS3 | 146887 | 094K | 2008/oct/02 | 20081002 | 355.456 |
| 520704 | GS4 | 146887 | 094K | 2008/oct/02 | 20081002 | 355.58 |
| 520707 | GS5 | 146887 | 094K | 2008/oct/02 | 20081002 | 372.642 |
| 509549 | Ed | 146887 | 094K | 2008/nov/23 | 20081123 | 425.068 |
| 501179 |  | 146886 | 094K | 2009/jan/12 | 20090112 | 153.498 |
| 525256 | GODOT01 | 200740 | 094K | 2009/jan/13 | 20090113 | 101.87 |
| 525267 | GODOT02 | 200740 | 094K | 2009/jan/13 | 20090113 | 67.862 |
| 525433 | TORO_SOUTH | 200740 | 094K | 2009/jan/14 | 20090114 | 407.638 |
| 525439 | TORO_NORTH | 200740 | 094K | 2009/jan/14 | 20090114 | 203.591 |
| 504054 | Talus | 146887 | 094K | 2009fan/17 | 20090117 | 423.475 |
| 511144 | GRIZZLY 7 | 146886 | 094K | 2009/jan/20 | 20090120 | 339.543 |
| 511947 | GRIZZLY 10 | 146886 | 094K | 2009/jan/20 | 20090120 | 339.697 |
| 510811 | MEDS 1 | 124708. | 094K | 2009/fan/31 | 20090131 | 253.999 |
| 508444 | Gataga 1 | 146886. | 094K | 2009/mar/09 | 20090309 | 341.22 |
| 508445 | Gataga 2 | 146886. | 094K | 2009/mar/09 | 20090309 | 392.393 |
| 508447 | Gataga 3 | 146886. | 094K | 2009/mar/09 | 20090309 | 409.33 |
| 508449 | Gataga 4 | 146885. | 094K | 2009/mar/09 | 20090309 | 238.775 |
| 508450 | Gataga 5 | 146886. | 094K | 2009/mar/09 | 20090309 | 375.484 |
| 508451 | Gataga 6 | 146886. | 094K | 2009/mar/09 | 20090309 | 392.551 |
| 508452 | Gataga 7 | 146886. | 094K | 2009/mar/09 | 20090309 | 409.757 |
| 508454 | Gataga 8 | 146886. | 094K | 2009/mar/09 | 20090309 | 409.753 |
| 508455 | Gataga 9 | 146886. | 094K | 2009/mar/09 | 20090309 | 409.894 |
| 508456 | Gataga 10 | 146886. | 094K | 2009/mar/09 | 20090309 | 410.035 |
| 508457 | Gataga 11 | 146886 | 094K | 2009/mar/09 | 20090309 | 341.667 |
| 508459 | Gataga 12 | 146886 | 094K | 2009/mar/09 | 20090309 | 410.178 |
| 508460 | Gataga 13 | 146886 | 094K | 2009/mar/09 | 20090309 | 273.447 |
| 508462 | Gataga 14 | 146886 | 094K | 2009/mar/09 | 20090309 | 341.914 |
| 508464 | Gataga 15 | 146886 | 094K | 2009/mar/09 | 20090309 | 205.205 |
| 508467 | Gataga 16 | 146886 | 094K | 2009/mar/09 | 20090309 | 323.945 |
|  |  |  |  |  |  |  |


| 508469 | Gataga 17 | 146886. | 094 K | 2009/mar/09 | 20090309 | 409.189 |
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| 508470 | Gataga 18 | 146886. | 094K | 2009/mar/09 | 20090309 | 255.651 |
| 508471 | Gataga 19 | 146886. | 094K | 2009/mas/09 | 20090309 | 409.02 |
| 508479 | Socrates 1 | 146886. | 094K | 2009/mar/09 | 20090309 | 420.076 |
| 508482 | Socrates 2 | 146886. | 094K | 2009/mar/09 | 20090309 | 403.3 |
| 508483 | Socrates 2 | 146886. | 094K | 2009/mar/09 | 20090309 | 353.034 |
| 508484 | Socrates 4 | 146886. | 094K | 2009/mar/09 | 20090309 | 403.374 |
| 508485 | Socrates 5 | 146886. | 094K | 2009/mar/09 | 20090309 | 336.284 |
| 508486 | Socrates 6 | 146886. | 094K | 2009/mar/09 | 20090309 | 403.539 |
| 508487 | Socrates 7 | 146886. | 094K | 2009/mar/09 | 20090309 | 420.576 |
| 508488 | Socrates 8 | 146886. | 094K | 2009/mar/09 | 20090309 | 420.577 |
| 508489 | Socrates 9 | 146886. | 094K | 2009/mar/09 | 20090309 | 420.573 |
| 508490 | Socrates 10 | 146886. | 094K | 2009/mar/09 | 20090309 | 420.569 |
| 508492 | Socrates 11 | 146886 . | 094k | 2009/mar/09 | 20090309 | 336.57 |
| 508494 | Socrates 12 | 146886. | 094K | 2009/mar/09 | 20090309 | 420.856 |
| 508497 | Socrates 13 | 146886. | 094K | 2009/mar/09 | 20090309 | 420.861 |
| 508504 | Socrates 14 | 146886. | 094K | 2009/mar/09 | 20090309 | 420.861 |
| 508506 | Socrates 15 | 146886. | 094K | 2009/mario9 | 20090309 | 420.86 |
| 508507 | Socrates 16 | 146886. | 094K | 2009/mar/09 | 20090309 | 404.242 |
| 508508 | Socrates 17 | 146886. | 094K | 2009/mar/09 | 20090309 | 336.876 |
| 508509 | Socrates 18 | 146886. | 094K | 2009/mar/09 | 20090309 | 404.371 |
| 508510 | Socrates 19 | 146886. | 094K | 2009/mar/09 | 20090309 | 404.518 |
| 508519 | Delano 1 | 146886. | 094K | 2009/mar/09 | 20090309 | 406.178 |
| 508512 | Delano 2 | 146886. | 094K | 2009/mar/09 | 20090309 | 338.339 |
| 508515 | Delano 3 | 146886. | 094K | 2009/mar/09 | 20090309 | 406.042 |
| 508521 | Delano 4 | 146886 . | 094K | 2009/mar/09 | 20090309 | 406.165 |
| 508527 | Delano 5 | 146886. | 094K | 2009/mar/09 | 20090309 | 406.021 |
| 508535 | Delano 6 | 146886. | 094K | 2009/mar/09 | 20090309 | 405.873 |
| 508537 | Delano 7 | 146886. | 094K | 2009/mar/09 | 20090309 | 405.729 |
| 508540 | Delano 8 | 146886. | 094K | 2009/mar/09 | 20090309 | 405.654 |
| 508550 | Grizziy 2 | 146886. | 094K | 2009/mar/09 | 20090309 | 424.21 |
| 508554 | Delano 3 | 146888. | 094K | 2009/mar/09 | 20090309 | $423.96 \uparrow$ |
| 508557 | Grizzly 4 | 146886. | 094K | 2009/mar/09 | 20090309 | 406.982 |
| 508560 | Grizzly 5 | 146886. | 094K | 2009/mar/09 | 20090309 | 423.724 |
| 508597 | Dieppe 1 | 146886. | 094K | 2009/mar/10 | 20090310 | 337.139 |
| 508598 | Dieppe 2 | 146886. | 094K | 2009/mar/10 | 20090310 | 337.143 |
| 508599 | Dieppe 3 | 146886 . | 094K | 2009/mar/10 | 20090310 | 337.147 |
| 508600 | Dieppe 4 | 146886. | 094K | 2009/mar/10 | 20090310 | 421.65 |
| 508602 | Dieepe 6 | 146886. | 094K | 2009/mar/10 | 20090310 | 421.656 |
| 508603 | Dieppe 7 | 146886. | 094K | 2009/mar/10 | 20090310 | 421.66 |
| 508605 | Dieppe 8 | 146886. | 094K | 2009/mar/10 | 20090310 | $269.85 \uparrow$ |
| 508606 | Dieppe 9 | 146886. | 094K | 2009/mar/10 | 20090310 | 405.02 |
| 508607 | Dieppe 10 | 146886. | 094K | 2009/mar/10 | 20090310 | $405.02 \dagger$ |
| 508609 | Dieppe 11 | 146885. | 094K | 2009/mar/10 | 20090310 | 405.021 |
| 508617 | Dieppe 12 | 146886. | 094K | 2009/mar/10 | 20090310 | 421.892 |
| xi |  |  |  |  |  |  |


| 508621 | Dieppe 13 | 146886. | 094K | 2009/mar/10 | 20090310 | 404.948 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 508623 | Dieppe 14 | 146886. | 094K | 2009/mar/10 | 20090310 | 405.051 |
| 508627 | Dieppe 15 | 146886. | 094K | 2009/mar/10 | 20090310 | 405.052 |
| 508629 | Dieppe 16 | 146886. | 094K | 2009/mar/10 | 20090310 | 422.263 |
| 508633 | Dieppe 17 | 146886. | 094K | 2009/mar/10 | 20090310 | 422.097 |
| 508634 | Dieppe 17 | 146886. | 094K | 2009/mar/10 | 20090310 | 422.551 |
| 508636 | Dieppe 18 | 146886. | 094K | 2009/mar/10 | 20090310 | 422.63 |
| 508639 | Dieppe 18 | 146886. | 094K | 2009/mar/10 | 20090310 | 422.629 |
| 508642 | Dieppe 20 | 146886. | 094K | 2009/mar/10 | 20090310 | 405.27 |
| 508644 | Dieppe 21 | 146886. | 094K | 2009/mar/40 | 20090310 | 388.452 |
| 508645 | Dieppe 22 | 148886. | 094K | 2009/mar/10 | 20090310 | 422.467 |
| 508647 | Dieppe 23 | 146886. | 094K | 2009/mar/10 | 20090310 | 405.56 |
| 508651 | Dieppe 24 | 146886. | 094K | 2009/mar/10 | 20090310 | 422.486 |
| 508656 | Dieppe 25 | 146886. | 094K | 2009/mar/10 | 20090310 | 338.186 |
| 508659 | Dieppe 26 | 146886. | 094K | 2009/mar/10 | 20090310 | 422.736 |
| 508666 | Dieppe 27 | 146886. | 094K | 2009/mar/10 | 20090310 | 422.665 |
| 508670 | Dieppe 28 | 146886 | 094K | 2009/mar/10 | 20090310 | 304.394 |
| 508671 | Dieppe 29 | 146886 . | 094K | 2009/mar/10 | 20090310 | 355.231 |
| 508675 | Dieppe 30 | 146886 | 094K | 2009/mar/10 | 20090310 | 405.998 |
| 508685 | Dieppe 31 | 146886. | 094K | 2009/mar/10 | 20090310 | 372.18 |
| 508686 | Dieppe 32 | 146886. | 094K | 2009/mar/10 | 20090310 | 423.009 |
| 508687 | Dieppe 33 | 146886. | 094K | 2009/mar/10 | 20090310 | 406.271 |
| 508688 | Dieppe 34 | 146886 . | 094K | 2009/mar/10 | 20090310 | 355.674 |
| 508689 | Dieppe 35 | 146886. | 094K | 2009/mar/10 | 20090310 | 338.66 |
| 508690 | Dieppe 36 | 146886. | 094K | 2009/mar/10 | 20090310 | 338.523 |
| 508691 | Dieppe 36 | 146886. | 094K | 2009/mar/10 | 20090310 | 406.415 |
| 508692 | Dieppe 38 | 146886. | 094K | 2009/mar/10 | 20090310 | 406.672 |
| 508693 | Dieppe 39 | 146886 . | 094K | 2009/mar/10 | 20090310 | 305.023 |
| 508694 | Dieppe 40 | 146886. | 094K | 2009/mar/10 | 20090310 | 372.987 |
| 508696 | Dieppe 41 | 146886 . | 094K | 2009/mar/10 | 20090310 | 372.206 |
| 508697 | Dieppe 42 | 146886 . | 094K | 2009/mar/10 | 20090310 | 406.241 |
| 508699 | Dieppe 43 | 146886. | 094K | 2009/mar/10 | 20090310 | 406.385 |
| 508704 | Dieppe 44 | 146886. | 094K | 2009/mar/10 | 20090310 | 406.124 |
| 508771 | Delano 9 | 146886. | 094K | 2009/mar/11 | 20090311 | 405.508 |
| 509141 | Gataga 20 | 146886. | 094K | 2009/mar/17 | 20090317 | 410.227 |
| 509544 | Goat | 146887. | 094K | 2009/mar/23 | 20090323 | 422.436 |
| 511151 | GRIZZLY 13 | 146886. | 094K | 2009/apr/20 | 20090420 | 424.864 |
| 511153 | GRIZZLY 13 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.069 |
| 511155 | GRIZZLY 14 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.065 |
| 511157 | GRIZZLY 15 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.078 |
| 511159 | GRIZZLY 16 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.074 |
| 511160 | GRIZZLY 16 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.224 |
| 511162 | GRIZZLY 17 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.323 |
| 511165 | GRIZZLY 18 | 146886 . | 094K | 2009/apr/20 | 20090420 | 425.323 |
| 511188 | GRIZZLY 19 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.324 |
| xii |  |  |  |  |  |  |


| 51189 | GRIZZLY 20 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.319 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 511191 | GRIZZLY 21 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.282 |
| 511192 | GRIZZLY 22 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.573 |
| 511193 | GRIZZLY 23 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.575 |
| 511195 | GRIZZLY 24 | 146886 | 094K | 2009/apr/20 | 20090420 | 425.579 |
| 511198 | GRIZZLY 25 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.58 |
| 511200 | GRIZZLY 26 | 146886. | 094K | 2009/apr/20 | 20090420 | 357.475 |
| 511201 | GRIZZLY 27 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.54 |
| 511203 | GRIZZLY 28 | 146886. | 094K | 2009/apr/20 | 20090420 | 425.576 |
| 511205 | GRIZZLY 29 | 146886. | 094K | 2009/apr/20 | 20090420 | 340.464 |
| 517875 | LR1 | 146886. | 094K | 2009/jul/17 | 20090717 | 405.186 |
| 517879 | LR4 | 146886 . | 094K | 2009/jul/17 | 20090717 | 422.298 |
| 517876 | TR1 | 200740. | 094K | 2009/jul/17 | 20090717 | 406.942 |
| 517880 | TR2 | 200740. | 094K | 2009/jul/17 | 20090717 | 406.943 |
| 517881 | TR3 | 200740. | 094K | 2009/jul/17 | 20090717 | 406.945 |
| 517909 | LR26 | 200740. | 094K | 2009/jul/17 | 20090717 | 406.298 |
| 517914 | LR3? | 200740. | 094K | 2009/jul/17 | 20090717 | 372.664 |
| 510008 |  | 124708. | 094K | 2009/jul/23 | 20090723 | 591.197 |
| 510739 | KEY1 | 124708. | 094K | 2009/jul/23 | 20090723 | 84.474 |
| 510740 | KEY2 | 124708. | 094K | 2009/jul/23 | 20090723 | 84.476 |
| 510741 | KEY3 | 124708. | 094K | 2009/Jul/23 | 20090723 | 152.056 |
| 510808 | KEY $X$ | 124708 . | 094K | 2009/jul/23 | 20090723 | 16.897 |
| 510809 | KEYY | 124708. | 094K | 2009/jul/23 | 20090723 | 16.891 |
| 510810 | NUCO 1 | 124708. | 094K | 2009/jul/23 | 20090723 | 16.881 |
| 510255 |  | 124708. | 094K | 2009/aug/30 | 20090830 | 270.779 |
| 519544 | KEY | 124708. | 094K | 2009/aug/31 | 20090831 | 422.374 |
| 519545 | KEY 1 | 124708. | 094K | 2009/aug/31 | 20090831 | 422.15 |
| 519546 | KEY 3 | 124708. | 094K | 2009/aug/31 | 20090831 | 219.48 |
| 504085 | Carmen | 146887. | 094K | 2009/sep/17 | 20090917 | 405.558 |
| 501321 | Lana | 124708. | 094K | 2009/dec/31 | 20091231 | 101.627 |
| 501446 | Meg | 124708. | 094K | 2009/dec/31 | 20091231 | 236.91 |
| 501482 | Hunter | 124708. | 094K | 2009/dec/31 | 20091231 | 406.726 |
| 501523 | Sara | 124708. | 094K | 2009/dec/31 | 20091231 | 287.368 |
| 501534 | Missy | 124708. | 094K | 2009/dec/31 | 20091231 | 406.025 |
| 501416 | Ange: | 124708. | 094K | 2010/jan/12 | 20100112 | 338.184 |
| 504049 | Lucky Lady | 146887. | 094K | 2010/jan/17 | 20100117 | 406.228 |
| 504060 | Peak | 146887. | 094K | 2010/jan/17 | 20100117 | 422.084 |
| 504064 | Peak South | 146887. | 094K | 2010/jan/17 <br> 2010/may/1 | 20100117 | 422.362 |
| 504869 |  | 146886. | 094K | 2 | 20100512 | 746.834 |
| 501462 | Sox | 124708. | 094K | 2010/dec/31 | 20101231 | 253.727 |
| 501497 | Taya | 124708. | 094K | 2010/dec/31 | 20101231 | 202.698 |
| 501161 |  | 146886. | 094K | 2011/jan/12 | 20110112 | 153.57 |
| 501201 | - | 146886. | 094K | 2016/jan/12 | 20160112 | $153.709$ |

APPENDIX B

MUSKWA-KECHIKA SMZ

# LINKS TO INFORMATION ON THE MUSKWA-KECHIKA SPECIAL MANAGEMENT ZONE 

Government and separate advisory board http://srmwww.gov.bc.ca/rmd//rmp/mk http://wnw.qp.gov.bc.ca/statreg/stat/M/98038_01.htm http://www.em.gov.bc.ca/subwebs/oilandgas/ptp/MKMA.htm http://www.qp.gov.bc.ca/statreg/reg/M/53_2002.htm http://www.dir.gov.bc.ca/gtds.cgi?show=Branch\&organizationCode=SRM\&organization alUnitCode $=$ MK

Canadian Parks and Wilderness Society http://www.cpaws.org/northernrockies

The Muskwa-Kechika Management Area http://www.wilderness.net/library/documents/iJWDec03 ShultisRutledge.pdf

## APPENDIX C

## ASSAYS

CLIENT JOBINFORMATION
Project Tiident
Shipment ID:
P.O. Number

Number of Samples:
39

## SAMPLE DISPOSAI

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Nunter of samples | Code Desoription | Test Wht (g) | Report Status |
| :---: | :---: | :---: | :---: | :---: |
| R150 | 53 | Cruch split and pulveice tock to 150 mesh |  |  |
| 71X | 68 | 4 Acid digetion ICP.ESACP.MS analye | 0.5 | Completed |
| 3 A | 10 | Ignite samples, acid digest Au by ICP.MS | 15 | Completed |

Vetsion 2 to include Au by 3 A anales

Acme does not accept responsibility for samples left at the laboratory atter 80 disy without prior wortiten irstivectione tor sample storage or teturn

Invoice To:
Action Mineral
1255 W. Pender St
Vancouver BC V6E 2V1
Canada

CC:


TM


852 E. Hastings St. Vancouver BC V6A 1R6 Canada
Phone (604) 253-3158 Fax (604) 253-1716

## Action Mineral

1255 w . Fender St
Vancowver BC VEE 2VI Canada
Trident
Februany 05,2008

CERTIFICATE OF ANALYSIS

|  | $\begin{gathered} \text { Method } \\ \text { Aralyte } \\ \text { Unit } \\ \text { MDL } \end{gathered}$ | 7TX | 7TX | 7TX | 7 T X | 7TX | 7 TX | 7TX | 7 TX | 7TX | 7 TX | 7 x | 7TX | 7 TX | 7 TX | 7TX | $77 \times$ | 7 TX | $71 \times$ | 71\% | 718 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Mo | cu | Pb | 2 n | Ag | Ni | Co | 3 Na | F\% | ds | $u$ | Th | $s{ }_{r}$ | cd | Sb | $a$ | V | C3 | P | Ls |
|  |  | ppm | ppm | ppro | ppm | ppm | ppm | cpm | ppm | \% | ppm | ppm | ppm | pem | fpm | fom | ppm | ppm | \% | \% | ppon |
|  |  | 0.5 | 0.5 | 0.5 | 5 | 05 | 05 | 1 | 5 | 0.01 | 5 | 0.5 | 05 | 5 | 0.5 | 0.5 | 0.5 | 10 | 001 | 0.01 | 05 |
| 488101 | Rock | 06 | 193 | 1.4 | 4 | 0.5 | 56 | 7 | 512 | 3.10 | 9 | 17 | 40 | 111 | 0.5 | 08 | 0.8 | 28 | 10.33 | 0.06 | 13.4 |
| 406102 | Rock | 0.5 | 527 | 14 | 5 | 0.5 | 44 | 15 | 303 | 100 | 21 | 1.1 | 27 | 87 | S05 | 1.1 | 06 | 26 | 6.97 | 0.03 | 10.5 |
| 405103 | Rock | 05 | 359 | 1.4 | क | 9.5 | 41 | 4 | 404 | 1.98 | 5 | 3.1 | 88 | 72 | c0, | 0.7 | $<0.5$ | 62 | 0.10 | 0.03 | 15.2 |
| 405104 | Rock | 0.5 | 1376 | 0.8 | 5 | 0.5 | 5.9 | 5 | 374 | 2.10 | 7 | 13 | 3.6 | 62 | $<0.5$ | 1.3 | 605 | 23 | 6.12 | 008 | 68 |
| 468105 | Rook | 0.7 | 216.3 | 12 | 5 | 0.5 | 6.9 | 7 | 473 | 2.38 | 12 | 2.4 | 6.5 | 88 | 0.5 | 1.4 | cos | 43 | 7.18 | 0.04 | 10.9 |
| 488107 | Rook | 0.6 | 1158 | 07 | 4 | Q 0.5 | 3.8 | 4 | 514 | 2.41 | 4 | 1.1 | 3.0 | 80 | 40.5 | 1.0 | $<0.5$ | 28 | 8.03 | 0.02 | 3.9 |
| 465108 | Rock | 0.8 | 1434 | 77 | 5 | 0.5 | 248 | 9 | 283 | 1.41 | 17 | 15 | 28 | 64 | 0.5 | 3.3 | <0.5 | 24 | 3.09 | 004 | 4.9 |
| 465109 | Rock | 0.5 | 135397 | 5.4 | 36 | 6.4 | 482 | 20 | 1086 | 1363 | 116 | 05 | 0.5 | 66 | 0.5 | 13.4 | 13.5 | 13 | 6.07 | 6001 | 2.0 |
| 486110 | Rock | 0.6 | 200609 | 133 | 94 | 11.7 | 129.3 | 84 | 47 | 1973 | 264 | 0.5 | 0.5 | 6 | 1.2 | 32.1 | 90.6 | <10 | 425 | 0.02 | 1.0 |
| 406111 | Rock | 605 | 71123 | 47 | 34 | 4.6 | 342 | 20 | 1375 | 883 | 111 | 09 | 1.7 | 131 | 0.5 | 43 | 240 | $<10$ | 10.44 | 40.01 | 2.4 |
| 486112 | Rock | 09 | 21687 | 18 | 18 | 18 | 22.1 | 16 | 1751 | 4.65 | 16 | 06 | 1.2 | 72 | 0.5 | 2.6 | 60 | <10 | 11.01 | 0.03 | 9.1 |
| 485113 | Rodk | 60.5 | 5067 | 4.5 | 0 | 0.5 | 9.4 | 6 | 569 | 2.47 | 9 | 06 | 1.2 | 59 | $<0.5$ | 0.9 | 2.2 | $<10$ | 5.84 | 0.02 | 2.9 |
| 466114 | Rodk | 0.6 | 5056 | 1.1 | 6 | 0.5 | 15.5 | 8 | 346 | 1.77 | 5 | 45 | 1.0 | 34 | 0.5 | 1.1 | 1.3 | <10 | 2.70 | 0.04 | 4.2 |
| 486115 | Rock | 0.5 | 13988 | 06 | 5 | 0.5 | 25.0 | 18 | 632 | 166 | 5 | 0.5 | 1.1 | 63 | 0.5 | 1.2 | 0.6 | $\leqslant 10$ | 430 | 0.01 | 1.4 |
| 468118 | Rock | 0.5 | 7850 | 08 | 4 | $\infty .5$ | 1.6 | 2 | 1432 | 232 | 5 | 0.7 | 1.7 | 150 | <0.5 | 405 | c0.5 | <10 | 10.72 | 004 | 89 |
| 465117 | Rock | 40.5 | 775.1 | 405 | 5 | 4.5 | 2.3 | 2 | 782 | 181 | 5 | 17 | 3.8 | 111 | 60.5 | 08 | $<0.6$ | 27 | 7.48 | 003 | 3.9 |
| 466118 | Rook | 0.5 | 40004 | 63 | 21 | 2.7 | 18.6 | 17 | 358 | 6.05 | 28 | 405 | 0.5 | 26 | 0.5 | 48 | 6.5 | 10 | 0.77 | ¢001 | 2.1 |
| 466119 | Rock | 0.8 | 7987 | 22 | 9. | 0.5 | 15.6 | 10 | ¢09 | 2.39 | 7 | 45 | 0.5 | 103 | 0.5 | 3.5 | 1.0 | 10 | 431 | 0.11 | 2.3 |
| 465119 A | Rook Pulp | 71.5 | 4414 | 1916 | 6709 | 240 | 50.7 | 61 | 882 | 20.08 | 575 | 35 | 6.2 | 138 | 30.7 | 116.4 | 21.5 | 60 | 1.74 | 0.04 | 14.0 |
| 4051198 | Rook Pulp | 5.1 | 489 | 35 | 55 | $\bigcirc .5$ | 30.4 | 11 | 772 | $3 \times 8$ | 5 | 09 | 2.3 | 262 | $\infty$ | 1.1 | 4.5 | 112 | 2.50 | 0.05 | 10.4 |
| 466120 | Rock | 0.6 | 6278 | 19 | 7 | 4.5 | 6.3 | 4 | 177 | 174 | 42 | 12 | 2.3 | 29 | ¢0.5 | 1.1 | 1.0 | 23 | 1.04 | 0.08 | 5.3 |
| 485121 | Rock | 0.7 | 98008 | 2.8 | 8 | 2.0 | 6.3 | 3 | 65 | 327 | 7 | ¢15 | 9.5 | 15 | 60.5 | 1.6 | 1.1 | <10 | 0.32 | 0.04 | 1.3 |
| 465122 | Rode | 0.6 | 3118 | 0.7 | \$ | 0.5 | 3.2 | 2 | 022 | 239 | ¢ | 1.4 | 38 | 141 | 50.5 | 07 | 0.5 | 31 | 10.29 | 0.04 | 8.2 |
| 468123 | Rock | 08 | (18347 | 85 | 4 | 6.0 | 248 | 26 | 193 | 858 | 5 | 1.4 | 2.2 | 37 | 0.7 | 24 | 1.1 | 12 | 2.24 | 0.32 | 42 |
| 466124 | Rock | 0.5 | 15101 | 11.0 | 15 | 2.9 | 27.8 | 5 | 354 | 287 | 7 | 18 | 3.4 | 48 | c0.5 | 25 | 0.5 | 22 | 3.70 | 0.15 | 8.7 |
| 406125 | Rock | $<0.5$ | 68581 | 79 | 14 | 2.9 | 10.6 | 7 | 65 | 653 | 9 | 12 | 2.5 | 17 | $\bigcirc 0.5$ | 3.1 | 0.7 | 35 | 0.50 | 009 | 28 |
| 486123 | Rock | 2.0 | 5508 | 14.8 | 21 | 0.5 | 10.2 | 10 | 167 | 172 | 14 | 09 | 24 | 20 | 60.5 | 30 | 0.8 | 40 | 0.76 | 0.03 | 12.4 |
| 406127 | Rock | 24 | 23352 | 289 | 58 | 0.5 | 16.7 | 24 | 383 | 3.90 | 78 | 18 | 47 | 58 | c0.5 | 11.2 | 3.3 | 65 | 262 | 0.04 | 15.9 |
| 405128 | Rock | 1.1 | 1253 | 78 | 63 | 0.5 | 11.0 | 11 | 36 | 1.45 | 16 | 1.3 | 3.7 | 94 | 0.5 | 1.1 | 10 | 54 | 318 | 003 | 15.0 |
| 405129 | Rock | 1.8 | 8750 | 8.4 | 25 | 0.5 | 53.8 | 34 | 308 | 153 | 132 | 1.1 | 2.3 | 25 | 0.5 | 6.8 | 3.2 | 29 | 1.11 | 0.03 | 8.4 |

Trident
Report Date:

Page:

CERTIFICATE OF ANALYSIS
Method $7 T \times 7 T X \quad 7 T X \quad 7 T X$
sralyte Cr Ma Ba
Araly $\mathrm{Cr} \quad \mathrm{Ma} \quad \mathrm{Ba} \quad \pi \quad 81$
7Tx 7Tx $\begin{array}{llll}\text { 7TX } & 7 T X & 7 T X & 7 T\end{array}$ \% \% \% ..... \% fom
fomcom
0.5

VAN07001993.2


(

## CERTIFICATE OF ANALYSIS

VAN07001993.2

|  | $\begin{gathered} \text { Method } \\ \text { Aralyte } \\ \text { Unit } \\ \text { MDL } \end{gathered}$ | 38 8.4 ppb 0.5 |
| :---: | :---: | :---: |
| 486101 | Rock | NA. |
| 486102 | Rock | NA. |
| 486103 | Rock | NA. |
| 46104 | Rock | NA. |
| 486106 | Rock | NA. |
| 486107 | Rock | NA. |
| 48108 | Rock | NA. |
| 486109 | Rock | 720 |
| 4.6110 | Rock | 3312 |
| 985111 | Rock | 27.2 |
| 486112 | Rock | NA. |
| 486113 | Rock | NA. |
| 486114 | Rock | NA. |
| 486115 | Rock | H. |
| 48116 | Rock | N. |
| 486117 | Fock | N. |
| 465118 | Rock | N. |
| 486119 | Rock | NA. |
| 485112 A | Rock Pulp | NA. |
| 4851198 | Rock Pulp | NA. |
| 485120 | Rock | 15.7 |
| 486121 | Rock | N. ${ }^{\text {a }}$ |
| 486122 | Reck | H. |
| 486123 | Rock | NA. |
| 486124 | Rock | HA. |
| 485125 | Rock | NA. |
| 465120 | Rock | H. |
| 456127 | Rock | 48.9 |
| 466128 | Roosk | NA. |
| 486129 | Rook | 18.9 |


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QUALITY CONTROL REPORT VAN07001993.2

|  | Method <br> Analyte Urit MDL | 3.8 Au peb 0.5 |
| :---: | :---: | :---: |
| Fulp Duplicates |  |  |
| 486130 | Rock | N.A. |
| REP 455130 | QC |  |
| 486201 | Rock | 196 |
| REP 485201 | QC | 170 |
| 488211 | Reck | N.A. |
| REF 465211 | QC |  |
| Reference Materias |  |  |
| STD O 0 ¢ 57 | Standard | $3 \% .1$ |
| STD OXDF: | Standard | 368.9 |
| ST0 SF-3T | Standard |  |
| STD SF.3T | Standard |  |
| STD \$F-3T | Standard |  |
| STD SF-3T | Standard |  |
| STD SF-3T | Standard |  |
| STD SF-3T | Standard |  |
| STD SF-3T | Standard |  |
| STD SF-3T | Standard |  |
| STD SF-3T | Standard |  |
| STD SF-3T | Standard |  |
| STD SF-3T Expected |  |  |
| STD OXDEF Expected |  | 413 |
| BLK | Blark |  |
| EUK | Blark |  |
| BLK | Blark |  |
| BUK | Blark |  |
| BLK | Blark |  |
| Buk | Blark | 4.5 |
| Prepiwash |  |  |



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## QUALITY CONTROL REPORT

VAN07001993.2

|  |  | 3 3 |
| :---: | :---: | :---: |
|  |  | su |
|  |  | pob |
|  | Prep Elark | N.A |
| G1 | Prep Elark | N.A |



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February 06, 2000

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Vancouver EC VEE 2V1 Canada
Searge Cootze
Acme Analyotal Labor atoties (Vancowver) Lsd.
November 29, 2007
Jaruary 08, 2008
1 ot 2

## CERTIFICATE OF ANALYSIS

CLIENT JOB INFORMATION
Project
Stipment ID:
P.O Tumber
Number of Sample 7

## SAMPLE DISPOSAL

OISP.PLP
Depoce of Pup Atter 90 davz
Acme does not aocept responsitility for samples left at the laborabiry ater wo
dasy viethout prior witten instructions for sample storage or ceturn
Invoice To
Eradford Minerals
C.

| metrood <br> Code | Number $d$ Samples | Code Desoniption | Test <br> Wg (9) | Report Statur |
| :---: | :---: | :---: | :---: | :---: |
| R150 | 7 | Erushapit ans putserice drill core to 100 mesh |  |  |
| 7 TC | 7 | 4 Acid Digeston Analge by ICP-ESICP.MS | 0.5 | Completed |
| ABDITIONAL COMMENTS |  |  |  |  |

1255 W . Pender St<br>Vancouver BC V6E 2V1<br>Canada



[^2]

a Me analytical laboratories lto
852 E. Hastings St Vancouver BC VGA 1 RE Canad
Phone (604) 253-3158 Fax (604) 253-1716

## Bradford Minerals

1255 w . Pender St Sancower EC LEE 2V1 Canada

None Gmen
January 03, 2006

2012 Fart 2

## CERTIFICATE OF ANALYSIS

whw.acmelal.com

 Phone (604) 253-3158 Fax (604) 253-1716

## Bradford Mineral

1255 ur . Perider St
Gancouser BC V6E 2V1 Canada

None Gheren
January 08, 2008

Fage

## QUALTY CONTROL REPORT

|  | Method | $71 \times$ | 7 TX | 7TX | 7TX | $7 \mathrm{~T} \times$ | 7 T | 71X | 7 TX | $7 \mathrm{~T} \times$ | $7 \mathrm{~T} \times$ | 7TX | $7 \mathrm{~T} \times$ | $7 \mathrm{~T} \times$ | $71 \times$ | $7 \mathrm{~T} \times$ | 7 TX | $7 \mathrm{~T} \times$ | 71X | 7 IX | 7 TX |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Analyte | crors | Mg | B2 | Ti | 8.1 | Ns | K | w | 2 r | Ce | Sn | $\gamma$ | to | T3 | E* | Sc | L | 8 | Fb | Hf |
|  | Urit | ppro | \% | ppom | \% | \% $\%$ | \% | \% | ppm | ppon | ppm | pptn | ppm | pem | ppm | ppm | ppm | ppm | 9 | ppom | ppm |
|  | HOL | 1 | 0.01 | 5 | 0.001 | 001 | 0.01 | 0.61 | 0.5 | 05 | 5 | 0.5 | 0.5 | 0.5 | 05 | 5 | 1 | 0.5 | 0.5 | 05 | 05 |
| Reference Materiait |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STDSF-3T | Standard | 178 | 470 | 513 | 0.197 | 551 | 208 | 2.56 | 42 | 13.5 | 4. | 63 | 10.7 | 15.0 | 0.5 | 5 | 7 | 25.6 | 42 | 90.7 | 05 |
| ST0 SF.3T | Standard | 163 | 471 | 514 | 0.197 | 6.43 | 207 | 200 | 43 | 13.2 | 43 | 6.1 | 10.7 | 143 | 0.5 | 5 | 7 | 249 | 42 | 91.6 | 06 |
| STD Sf.3T Expected |  | 207.4 | 467 | 508 | 0.19 | 5.43 | 208 | 247 | 43 | 14 | 3 | 58 | 11.5 | 15.1 | 0.9 | 0 | 7 | 12.1 | 3.5 | 908 | 00 |
| BLK | Elark | ब | क. 01 | < 5 | \$0001 | <001 | ¢001 | ©01 | 40.5 | 40.5 | \% | 40.5 | $<0.5$ | 0.5 | 0.5 | 5 | $<1$ | <0.5 | 0.5 | 40.5 | 25 |
| Fraplayash |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Prep Elark | 10 | 071 | 1581 | 0231 | 8.15 | 277 | 3.14 | 6.5 | 9.9 | 4 | 13 | 14.5 | 25.0 | 1.0 | 5 | 5 | 424 | 40.5 | 135.4 | 08 |
| S1 | Piep Plark | 7 | 072 | 1007 | 0220 | 7.89 | 269 | 295 | 0.5 | 82 | 44 | 14 | 13.9 | 23.9 | 1.0 | 5 | 4 | 322 | 0.5 | 1268 | 06 |

Missy NE Extension assays (Samples 8 and 9 were taken on the Taya Claim)


[^3]Allest






ACME ANALYTICAL LABORATORIES LTD.
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Phone (604) 253-3158 Fan (604) 253-1716
www.acmelab.com

## Bradford Minerals

1255 w. Fender St Vancouver BC WEE2V1 Canada

None óven
Februany 01, 2008

## QUALITY CONTROL REPORT

1 of 1
Fart 3

|  | Hethod snalyte Urit MOL | 3.8 8.0 pob 0.5 |
| :---: | :---: | :---: |
| Pulp Dupliostes |  |  |
| 11 | Rock Fup | 422 |
| REP 11 | QC |  |
| Reference Matariate |  |  |
| 510 0×067 | Standard | 38.1 |
| STD 0×057 | Standard | 3889 |
| STD SF-3T | Standard |  |
| STO SF-3T | Standard |  |
| STO SF-3T | Standard |  |
| STD SF.3T | Standard |  |
| STD SF-3T Expected |  |  |
| STO OXD57 Expected |  | 413 |
| BuK | Blask |  |
| BLK | Blark |  |
| ELK | Blark | 95 |
| Preplifash |  |  |
| G1 | Prep Blark | NA |
| 61 | Prep Blark | N. A |

## APPENDIX D

## Racing River Claims

| Claim Name | Grant Number District | Registered | Mining |
| :---: | :---: | :---: | :---: |
| uronson and Toro Properties (1) |  |  |  |
| Bronson | 501161 094K |  |  |
| 428 North | 501179 094K |  |  |
| Book 50120 | 1 094K |  |  |
| Toro 504869 | 094K |  |  |
| Muskwa Property |  |  |  |
| Delano 1-2 | 508511-508512 094K |  |  |
| 3 | 508515094 K |  |  |
| 3 | 508554 094K |  |  |
| 4 | 508521 094K |  |  |
| 5 | 508527 094K |  |  |
| 6 | 508535 094K |  |  |
| 7 | 508537 094K |  |  |
| 8 | 508540 094K |  |  |
| 9 | 508771 094K |  |  |
| 10-11 | 511472-511473 094K |  |  |
| 12-13 | 511475-511476 094K |  |  |
| 14 | 511478 094K |  |  |
| 15 | 511480 094K |  |  |
| 16-17 | 511482-511483 094K |  |  |
| 18 | 511485094 K |  |  |
| 19 | 511488094 K |  |  |
| 20 | 511490094 K |  |  |
| 21-22 | 511619-511620 094K |  |  |
| 23 | 515490094 K |  |  |
| 24 | 515495094 K |  |  |
| 25 | 515505094 K |  |  |
| 26 | 515516094 K |  |  |
| 27-28 | 517636-517637 094K |  |  |
| 28 | 517639094 K |  |  |
| Dieppe 1-4 | 508597-508600 094K |  |  |
| 6-7 | 508602-508603 094K |  |  |
| 8-10 | 508605-508607 094K |  |  |
| 11 | 508609094 K |  |  |
| 12 | 508617 094K |  |  |
| 13 | 508621 094K |  |  |
| 14 | 508623094 K |  |  |
| 15 | 508627094 K |  |  |
| (1) optioned from Horst Klassen |  |  |  |
| Dieppe 16 | 508629 094K |  |  |
| 17 | 508633 094K |  |  |
| 17 | 508634 094K |  |  |
| 18 | 508636094 K |  |  |
| 18 | 508639 094K |  |  |
| 20 | 508642 094K |  |  |
| 21-22 | 508644-508645 094K |  |  |


| 23 | 508647094 K |
| :---: | :---: |
| 24 | 508651 094K |
| 25 | 508656 094K |
| 26 | 508659 094K |
| 27 | 508666 094K |
| 28-29 | 508670-508671 094K |
| 30 | 508675094 K |
| 31-36 | 508685-508690 094K |
| 36 | 508691 094K |
| 38-40 | 508692-508694 094K |
| 41-42 | 508696-508697 094K |
| 43 | 508699 094K |
| 44 | 508704094 K |
| 45 | 511492 094K |
| 46 | 511494 094K |
| 46 | 511496094 K |
| 47 | 511498 094K |
| 48 | 511500 094K |
| 49 | 511600 094K |
| 50-52 | 511602-511604 094K |
| 53 | 511614 094K |
| 54-55 | 525822-525823 094K |
| Gataga 1-2 | 508444-508445 094K |
| 508447 094K |  |
| 508449 094K |  |
| 508450-508452 | 2094K |
| 8-11 508454 | 4-508457 094K |
| 12-13 508459 | -508460 094K |
| Gataga 14 | 508462 094K |
| 15 | 508464 094K |
| 16 | 508467 094K |
| 17-19 | 508469-508471 094K |
| 20509141 | 094K |
| 21511520 | 094K |
| 22-23 | 511522-511523 094K |
| 24-25 | 511525-511526094K |
| 26-32 | 511528-511534 094K |
| 33-36 | 511536-511539 094K |
| 37-38 | 511615-511616094K |
| 39511618 | 094K |
| Grizzly 1 | 508545 094K |
| 2 | 508550 094K |
| 4 | 508557 094K |
| 5 | 508560 094K |
| 6-11 | 511143-511148 094K |
| 12-13 | 511150-511151 094K |
| 13 | 511153 094K |
| 14 | 511155 094K |
| 15 | 511157 094K |
| 16 | 511159 094K |
| 16 | 511160 094K |
| 17 | 511162 094K |
| 18 | 511165094 K |
| 19-20 | 511188-511189094K |
| 21-23 | 511191-511193094K |
| 24 | 511195 094K |
| 25 | 511198 094K |
| 26-27 | 511200-511201094K |

```
    511203 094K
    511205 094K
    511212 094K
    511215 094K
    511217 094K
    511219 094K
    511220 094K
    511222-511223 094K
    511225 094K
    511228 094K
    511232 094K
    511235-511236 094K
        511242 094K
        511245 094K
    Grizzly 44-45 511247-511248 094K
    46 511250 094K
    47-49 511252-511254 094K
    50 511256 094K
    51 511258094K
    52 511260094K
    53-54 511262-511263 094K
    55 511265 094K
    56-58 511267-511269 094K
    59-64 511271-511276 094K
    65-72 518973-518980 094K
    73-76 52577^-525774 094K
    77 525780 094K
    78-80 525783-525785 094K
    81-83 525787-525789 094K
    84-85 525791-525792 094K
    86-87 525794-525795 094K
    88-90 525797-525799 094K
    91-95 525801-525805 094K
    96-97 525808-525809 094K
    98 525811 094K
    99-101 525814-525816 094K
    102 525818 094K
    103-104 525820-525821 094K
Socrates 1 508479 094K
    2 508482 094K
    2 508483 094K
    4-10 508484-508490 094K
    11 508492 094K
    12 508494 094K
    13 508497 094K
    14 508504 094K
    15-19 508506-508510 094K
    20 511436 094K
    21 511439094K
    22 511441 094K
    23 511443 094K
    24-27 511446-511449 094K
    28-38 511451-511461 094K
    39 511463 094K
    40-41 511465-511466 094K
    42-44 511595-511597 094K
: ates 45 511599 094K
    46 515464 094K
```

47-49 515466-515468 094K
50-52 515470-515472 094K
$53 \quad 515476094 \mathrm{~K}$
54515482094 K
$55 \quad 515485094 \mathrm{~K}$
$56 \quad 515811094 \mathrm{~K}$
$57 \quad 515813094 \mathrm{~K}$
58-68 515816-15826 094K
Toad 1508707094 K
2-3 508709-508710 094K
4511502094 K
5511505094 K
6511507094 K
7511509094 K
8-10 511511-511513094K
11511515094 K
12-13 511607-511608 094K
14-15 511610-511631 094K
16511613094 K
17517407094 K
18517410094 K
Bronson and Toro Properties (1)

| Bronson | 501161094 K |
| :--- | :--- |
| 428 North | 501179094 K |

Book 501201 094K
Toro 504869 094K
a Muskwa Property
Delano 1-2 508511-508512 094K
3508515094 K
3508554094 K
4508521094 K
$5 \quad 508527094 \mathrm{~K}$
$6 \quad 508535094 \mathrm{~K}$
$7 \quad 508537094 \mathrm{~K}$
8508540094 K
9508771094 K
10-11 511472-511473094K
12-13 511475-511476 094K
$14 \quad 511478094 \mathrm{~K}$
$15 \quad 511480094 \mathrm{~K}$
16-17 $\quad 511482-511483094 \mathrm{~K}$
18511485094 K
19511488094 K
20511490094 K
21-22 511619-511620 094K
23515490094 K
24515495094 K
$25 \quad 515505094 \mathrm{~K}$
$26 \quad 515516094 \mathrm{~K}$
27-28 517636-517637 094K
$28 \quad 517639094 \mathrm{~K}$
$r$ 'vope 1-4 508597-508600 094K
6-7 508602-508603 094K
8 -10 $\quad 508605-508607094 \mathrm{~K}$

| 11 | $508609094 K$ |
| :--- | :--- |
| 12 | $508617094 K$ |
| 13 | 508621094 K |
| 14 | 508623094 K |
| 15 | 508627094 K |

(1) optioned from Horst Klassen


| 26-32 | 511528-511534094K |
| :---: | :---: |
| 33-36 | 511536-511539 094K |
| 37-38 | 511615-511616094K |
| 395116 | 094K |
| $\mathrm{M}^{\text {rizzly }} 1$ | 508545094 K |
| 2 | 508550 094K |
| 4 | 508557 094K |
| 5 | 508560 094K |
| 6-11 | 511143-511148 094K |
| 12-13 | 511150-511151 094K |
| 13 | 511153 094K |
| 14 | 511155094 K |
| 15 | 511157 094K |
| 16 | 511159 094K |
| 16 | 511160 094K |
| 17 | 511162 094K |

TWENTY-SEVEN CAPITAL CORP.- CLAIM LIST SEPTEMBER 6, 2006
Registered
Mining
Claim Name Grant Number District
Muskwa Property (cont'd)
$18 \quad 511165094 \mathrm{~K}$
19-20 511188-511189094K
21-23 511191-511193 094K
24511195094 K
$25 \quad 511198094 \mathrm{~K}$
26-27 511200-511201 094K
$28 \quad 511203094 \mathrm{~K}$
29511205094 K
$30 \quad 511212094 \mathrm{~K}$
$31 \quad 511215094 \mathrm{~K}$
32511217094 K
33511219094 K
$34 \quad 511220$ 094K
35-36 511222-511223 094K
37511225094 K
$38 \quad 511228094 \mathrm{~K}$
$39 \quad 511232$ 094K
40-41 511235-511236 094K
$42 \quad 511242094 \mathrm{~K}$
$43 \quad 511245094 \mathrm{~K}$
Grizzly 44-45 511247-511248094K
46511250 094K
47-49 511252-511254 094K
$50 \quad 511256094 \mathrm{~K}$
51511258094 K
52511260094 K
53-54 511262-511263 094K
$55 \quad 511265094 \mathrm{~K}$
56-58 511267-511269 094K
59-64 511271-511276094K
65-72 518973-518980 094K
73-76 525771-525774 094K
$77 \quad 525780094 \mathrm{~K}$
78-80 525783-525785 094K

11511515094 K
12-13 511607-511608 094K
14-15 511610-511611 094K
16511613094 K
17517407 094K
18517410 094K

APPENDIX E

## DRILL AND GEOTECHNICAL LOGS

Drill Hole: MY-07-01

AZ: 104

Logged by: David Peake

Claim: Missy $\quad$ N: 6485874
DIP: $-45 \quad$ EL:1435m

E: 363703

DHS: 17 Febr 2007

Final depth: 37.5 m

DHF: 22 Febr 2007

Notes: To intersect the three exposed on the south-east slope of the Missy Knoll.

Drill Hole: MY-07-01
From: To:
Notes:
0 18m
Notes: Casing

Drill Hole: MY-07-01
From:
To:
037.5 m

Notes: $\quad$ About $60 \%$ of the rocks are carbonates. All the larger rocks greater than 3 cm consist of dolomite except for a 0.18 m long dyke material at 31.2 m depth. There are two more 3 cm dyke rocks at about 8 m and 12 m depth. A shale segment begins after around 35 m . There are two prominent clay seems at around 26 m and 32 m .

Lithology: Assorted glacial rock rubble and two clay seems.

Structure: Glacial rocks, pebbles and gravel to larger boulders (largest 19 cm ). Mud and sand most likely also was incorporated but was
Structure: washed out during drilling.

Alteration: Glacial weathering and rounding
Veining: $\quad$ Two rocks in the 32 m clay seem have small calcite veins.
Mineralization: No apparent.
Final Depth: Abandoned at 37.5 m

| Drill Hole: MY-07-02 | Claim: Missy | N: 6485874 | E: 363703 | Final depth: 32 m |
| :--- | :--- | :--- | :--- | :--- |
| AZ:138 | DIP: -60 | EL: 1435 m | DHS: Aug. 27th, 2007 | DHF: September 2nd, 2007 |
| Logged by: David Peake | Teched by: George Coetzee |  |  |  |
| Notes: To intersect the three veins exposed on the south-east slope of the Missy Knoll. |  |  |  |  |

Drill Hole: MY-07-02
$\begin{array}{cc}\text { From: } & \text { To: } \\ & 021.34 \mathrm{~m}\end{array}$

## Notes: <br> Casing

| Drill Hole: MY |  |
| :---: | :---: |
| From: | To: |
| 0 | 32.00 m |
| Notes: | About $65-75 \%$ of the rocks are a siliceous sandstone. All the larger rocks greater than 3 cm consist of this sandstone except for core segments deeper than about 30 m which then some of the larger rocks are shale float. Shale mostly shows up at these deeper depths and consists of about $5-10 \%$ of the core. There are a few fragments $2 \%$ that are of the green and red conglomerate. There is some dyke material also within the pebbles, the largest 3 cm wide, about $1 \%$ of the core. There is also a clay section with mostly shale fragments, but there may have been more clay but it was washed out. |
| Lithology: | Assorted glacial rock rubble |
| Structure: | Glacial rocks, pebbles and gravel to larger boulders (largest 19 cm ). Mud and sand most likely also was incorporated but was washed out during drilling. |
| Alteration: | Glacial weathering and rounding |
| Veining: | Four larger rocks contain calcite veining varying from fracture points to pockets but none are wider than 0.5 cm except for one segment that is about 4 cm thick but only protrudes through have the core width. There is about $1 \%$ of the float that is calcite pebbles. |
| Mineralization: | No apparent other than some iron oxidation on about 5-10\% of the siliceous fine grained sandstones. |

[^4]Drill Hole: MY-07-03
AZ: 271
Logged by: David Peake

Claim: Missy
DIP:- 60
Teched by: George Coetzee

E: 363752
DHS: Sept. 8th, 2007

Final depth: 25.3 m
DHF: September 12th, 2007

Notes: To intersect the three exposed on the south-east slope of the Missy Knoll.

Drill Hole: MY-07-03
From: To:
$0 \quad 9.75 \mathrm{~m}$
Notes: Casing

Drill Hole: MY-07-03
From: To:
$0.61 \quad 3.05 \mathrm{~m}$
Notes: $\quad$ Fine silts with various sizes of pebbles incorporated.
Lithology: River rock, organic matter, and a clay that has calcite within (fizzes from HCl )
Structure: Mud most likely from decayed organic matter .
Alteration: Decomposed matter and runoff
Veining: None
Mineralization: No apparent mineralization

Drill Hole: MY-07-03
From: To
$3.05 \mathrm{~m} \quad 15.85 \mathrm{~m}$
Notes: $\quad$ About $70-75 \%$ of the material is a fine grained sandstone, ranging in size from sands to 7 cm rocks. Five larger pieces of dyke material are intermingled all of which are about $2-3 \mathrm{~cm}$ cubed. Drywall mud is also incorporated by the drillers to reduce collapsing of the hole.

Lithology: Assorted glacial rock rubble
Structure: Glacial rocks, pebbles and gravel to larger boulders (largest 7 cm ). Mud and sand most likely also was incorporated but was washed out during drilling.

Alteration: Glacial weathering and rounding
Veining: No apparent other than a few calcitic pebbles
Mineralization: One segment of mostly pyrite incorporated into a shale ( 0.5 cm squared)

Drill Hole: MY-07-03
From: 15.85 To: 25.3
Notes:
About $70 \%$ of the material is a fine and coarse grained sandstone, ranging in size from sands to 27 cm rocks. One larger piece of dyke material with a length of 23 cm at 25.30 m depth. Contains one exposed surface also on the core side giving the appearance of a halved core section suggesting cored from a boulder. Also intermingled there are a few pieces of dyke material $2-3 \mathrm{~cm}$ in diameter. About $20 \%$ is shale or varying sizes, largest being 20 cm . One larger piece of conglomerate 14 cm long with veining.
Lithology:
Assorted glacial rock rubble
Structure:
Glacial and possibly glacial rocks, pebbles and gravel to larger boulders (largest 27 cm ). Mud and sand most likely also was incorporated but was washed out during drilling.
Alteration:
Glacial weathering and rounding, one piece of dyke material 0.22 m long.
Veining:
One conglomerate boulder ( 13 cm ) has veining across the length about 3 mm wide. No other apparent veining other than a few calcitic pebbles
Mineralization
No apparent mineralization
Final Depth: Abandoned at $\mathbf{2 5 . 3 m}$

Drill Hole: MY-07-04
AZ: 337

Claim: Missy

DIP: -78

N: 6485733 E: 363732

EL: 1413m DHS: Sept. 15, 2007

Final depth: 57.61 m

DHF: Sept. 21, 2007

Logged by: David Peake Teched by: George Coetzee
Notes: To intersect vein three exposed on the south-east slope of the Missy Knoil.

Drill Hole: MY-07-04
From:From: To:
$0 \quad 20.14$
Notes: $\quad$ There is a 0.23 m section, biggest of all is a silica/calcite matrix with a combination of chalcopyrite and pyrite. Judging from the amount of malachite versus iron oxides, there appears to be more pyrite, with a ratio of $75: 25$ pyrite:chalcopyrite. The other rocks consist of grey/black shale, silica rich bedrock (some with dark chlorite stringers, with malachite on them, one piece is about 1 cm in diameter), red iron rich bedrock, a calcite rich pebble, one pebble has heavy folding
Lithology: Assorted till rock rubble
Structure: $\quad$ Glacial till rocks, pebbles to larger boulders (of 23 cm ). Mud and sand most likely also was incorporated but was washed out during drilling
Alteration: Glacial weathering and rounding, within the silica 23 cm section there is minor amounts of Fe oxidation and minor malachite secondary mineralization.
Veining: $\quad$ Some pieces have minor veining (less than $1 \%$ ) incorporated or are part of a larger structure but no piece appears to be attached to a structure.
Mineralization: Three rocks contain sacrificial malacite and/or iron oxidation. They have about $2-4 \%$ chalcopyrite /pyrite. Most of the mineralization appears to be pyrite $70-80 \%$ and the chalcopyrite being $30-20 \%$ mineralization

Drill Hole: MY-07-04
From: To
$20.14 \mathrm{~m} \quad 21.26 \mathrm{~m}$
Notes: $\quad$ Black/grey shale with varying dip changes. Some areas in longer drill sections and others are brecciated, one from faulting at 21.20 m .

Lithology: Black to Grey Shale
Structure: $\quad$ Some bedding $0(20.14-20.42 \mathrm{~m}), 30(20.71-21.11 \mathrm{~m})$, and $50(21.01-21.26 \mathrm{~m})$ degrees off the drill angle. Shale is brecciated from 20.42-20.74m, and 21.19-31m

Alteration: None
Veining: Minor amounts of calcite veining most less than 1 mm , with one 5 mm veining is less than $1 \%$ of the section.
Mineralization: Found two spots of chalcopyrite both less than 1 mm squared. Mineralization minor.

Drill Hole: MY-07-04
From: To
$21.26 \quad 22.77$
Notes: $\quad$ More fluvial rubble. Most are less than 3 cm diameter.

Lithology: Weathered shale segments, fine grained silica sandstones, some iron oxidized segments.
Structure: $\quad$ Fluvial rounded segments, most less than 0.03 m diameters with the largest 0.05 m . One shale segment 0.08 m long, with calcite in filled fracture point less than 0.002 m .

Alteration: Fluvial weathering
Veining: $\quad$ One shale segment 0.08 m long, with calcite in filled fracture point less than 0.002 m . Other pebbles have veining that is 1 mm and less cutting across them.

Mineralization: Only one visible area with a small chalcopyrite/pyrite in a 1 mm square area.

## Drill Hole: MY-07-04

From: To
$22.77 \quad 24.30$
Notes: Some micro-faulting, with the shale mostly
Lithology: Black and grey shale bedding, shale bedding has some calcite composition as fizzes with acid.
Structure: $\quad$ Most of the bedding is $75-70$ degrees TCA. Parting at bed angles.
Alteration: Some of the veining has some silica content
Veining: Quartz carbonate veining in fracture points (less than $1 \%$ ), most are less than 0.5 mm with a few about 1 mm
Mineralization: Minor amounts of mineralization of chalcopyrite within calcite veining. Most are small pockets less than 1 mm square, one at 22.92 m .

Drill Hole: MY-07-04
From: To:
$24.30 \quad 24.85$
Notes: A section of heavy quartz carbonate veining, about $35 \%$ veining. Shale within section very brecciated suggesting fault zone. Veining varies in angle with no specific trend for TCA. A milled zone occurs at 22.56 m .

Lithology: Black and grey shale and quartz carbonate veining.
Structure: Fault zone with brecciated shale with veining in fractures, with milled fault at 24.56 m .
Alteration: Quartz carbonate infill.
Veining: About $35 \%$ quartz carbonate veined zone
Mineralization: No apparent.

Drill Hole: MY-07-04
From: To:
$24.85 \quad 35.56$
Notes: Mostly grey shale with black sections. Some faulting and folding but on a minor scale. About 5-10\% veining. Between two larger veins (each about $5-6 \mathrm{~cm}$ wide) there is more mineralization of pyrite and chalcopyrite.

Lithology: Black and grey shale with some large veins cross cutting.
Structure: Most bedding at a $40-50$ TCA. At 32.55 m the bedding becomes more brecciated until 33.21 m . The shale in this section has a higher calcite content and fizzes.

Alteration: Veining infill
Veining: $\quad$ Stringers within most of the section with two larger sections of about $5-6 \mathrm{~cm}$, one at 31.85 m and the other 31.61 m and another at 32.89 m that is 1.25 cm wide.

Mineralization: At 31.75 in a more brecciated zone between the two larger veined areas there is a 15 cm section with a predominantly pyrite zone that has mineralization scattered within. Then at 32.07 m there is a small stringer of chalcopyrite/pyrite only 5 mm by 0.5 mm . At 34.42 m also larger pyrite mineralized bleb within the veining.

## Drill Hole: MY-07-04

From: To:
$35.56 \quad 38.2$
Notes: A large brecciated zone of shale/fine silt with $40 \%$ veining. Little apparent mineralization through the area.
Lithology: Brecciated black and grey shale and quartz carbonate veining
Structure: $\quad$ Brecciated zone with pieces avg about 3 cm in diameter.
Alteration: Brecciation.
Veining: Veining has no apparent trend other than infill. About $40 \%$ of the zone. One section of 25 cm has mostly veining with small pieces of included shale at 36.32 m

Mineralization: A small stringer of chalcopyrite at 37.05 m . No other apparent mineralization.

## Drill Hole: MY-07-04

From: To:
$38.2 \quad 57.61$
Notes: Most of the shale is bedded with areas of brecciation. The areas of brecciation tend to carry more of the mineralization. Clay seams are also present with one likely between 47.16 to 47.34 m and the other 49.33 to 49.72 m .

Lithology: Black and grey shale with quartz carbonate veining with bedding of 45-60 TCA. The lighter grey shale has a carbonate composition. Clay seam at 47.16 m to 47.34 m and between 49.33 and 49.72 .

Structure: $\quad$ Shale bedding trends $45-60$ TCA. There are two main clay seams where milling could have taken place as a cause of faulting.
Alteration: Grey bedding has higher carbonate composition. No major alterations other than so brecciation in $20-30 \mathrm{~cm}$ sections.
Veining: Quartz carbonate veining. Veining varies from less than a mm stringers to 5 cm . The larger veining tends to be parallel to the bedding. One main quartz carbonate bedding at 53.4 m to 53.55 m

Mineralization: Two larger mineralized zones with one being about $\mathbf{2 0 c m}$ at $\mathbf{4 5 . 2 6 m}$ consisting of pyrite/ chalcopyrite? blend spotty within the shale/veinin The other zone is at 43.58 m for 18 cm . Other stringers at $46.33,48.08,50.31,56.46$, and 57.58 m .

| Assay <br> Number | From (m) | To (m) | Cu <br> PPM |
| :--- | ---: | ---: | ---: |
| 465307 | 45.26 | 45.5 | 22.2 |

Final Depth: 57.61m

Drill Hole: MY-07-05
AZ: 273
Logged by: David Peake

Claim: Missy

DIP: 52.5
$\mathrm{N}: 6485727$

EL: 1408m

E: 363745

DHS: Oct. 4, 2007

Final depth: 44.81 m
DHF: Oct. 11, 2007

Notes: To intersect vein one exposed on the south-east slope of the Missy Knoll.

Drill Hole: MY-07-05
From: To:
$0 \quad 13.95$
Notes: Casing

| Drill Hole: | 7-05 |
| :---: | :---: |
| From: | To: |
| 0 | 16.27 |
| Notes: | Within the weathered glacial till there is quite a bit of calcite/silica blend (calcite prominent), $\sim 10 \%$ calcitic silica. The high majority of the till rock consists of broken and fractured shale possibly from the contact between the till and the bedrock. |
| Lithoiogy: | Assorted glacial till rubble |
| Structure: | Glacial rocks, pebbles to rocks (of $5-6 \mathrm{~cm}$ ). Mud and sand most likely also was incorporated but was washed out during drilling. Most of the rocks are fractured possibly from the drilling too. |
| Alteration: | Glacial weathering and rounding, within the silica rich rock there is visible amounts of Fe oxidation. |
| Veining: | Some pieces are from a larger vein structure most likely broken from. |
| Mineralizat | A small section of iron oxidation. |



Drill Hole: MY-07-05
From: To:
$22.36 \quad 27.85$
Notes: $\quad$ Most of the shale is bedded with large areas of brecciation. Brecciation carries mineralization.
Lithology: Light grey shale brecciated with quartz carbonate infiling. The lighter grey shale has a carbonate composition.
Structure: Brecciated zone
Alteration: Some potential milling throughout.
Veining: $\quad$ Carbonate quartz veining at about $25-35 \%$ of section from 23.47 m to about 27.85 m .
Mineralization: Quite a bit of chalcopyrite/pyrite mineralization, probably <4\% where present. One section very prominent primary chalcopyrite mineralized zone about 1 cm thick at 24.00 m and another 19 cm chalcopyrite/pyrite blend zone cutting long ways across the core/vein at 26.16 rn to 27.17 m and then another 1 cm bleb at 22.60 m . Primary mineralization also quite prominent throughout in blebs and incorporated within the brecciation at $27.80 \mathrm{~m}, 24.16 \mathrm{~m}, 23.12 \mathrm{~m}, 24.87 \mathrm{~m}$. The hole crosscuts vein no 1

Drill Hole: MY-07-05
From: To:
$27.85 \quad 32.36$
Notes: $\quad$ Most of the shale is bedded with large areas of brecciation. Brecciation carries minor mineralization.
Lithology: Light grey shale brecciated with quartz carbonate infiling. The lighter grey shale has a carbonate composition.
Structure: Brecciated zone
Alteration: Some potential milling throughout. Major milling at 32.25 m and 32.01 m . Clays within milled areas and surround regions.
Veining: $\quad$ Carbonate quartz veining at about $25-35 \%$ of section towards upper regions and then at about 29.45 m to 29.70 m fracturing.
Mineralization: One heavily chalcopyrite/pyrite mineralized area from $\mathbf{3 0 . 9 5 m}$ to $\mathbf{3 1 . 0 9 \mathrm { m }}$. Minor areas of mineralization in a few spots but in small blebs and less than 1 mm stringers, like at 30.05 m .

| Assay <br> Number | From (m) | To (m) | Cu <br> PPM |
| :--- | ---: | ---: | ---: |
| 4653012 | 30.95 | 31.09 | 21.4 |

Drill Hole: MY-07-05
From: To:
$32.36 \quad 44.81$
Notes: Black/grey shale with varying dip changes 15-40 TCA variation. Mostly bedded with a few clay spots.
Lithology: Black to Grey Shale with minor veining and minor mineralization. A 5 cm long piece of dyke material at 35.66 m .
Structure: $\quad$ Most of the area bedded $15-40$ TCA. One piece of 5 cm green dyke material at 35.66 m , seems rounded and has a minor amount of Fe oxidation. A few faulted zones a major cemented one at 34.69 m .

Alteration: Faulting at 34.69 other than that no major alterations.
Veining: Minor amounts of calcite stringers most less than 1 mm . One veins less than 1 cm cuts across the core horizontally for about 30 cm .
Mineralization: Found minor amounts of chalcopyrite both less than 1 mm squared or incorporated in shale like in 32.8 m to 33.30 m and 23.73 m . Mineralization minor.

Final Depth: 44.81 m

| Drill Hole: MY-07-06 | Claim: Missy | N: 6485727 | E: 363745 | Final depth: 15.85 m |
| :--- | :--- | :--- | :--- | :--- |
| AZ: $\mathbf{2 7 3}$ | DIP: $\mathbf{4 5}$ | EL: 1408 m | DHS: Oct. 12, 2007 | DHF: Oct. 13, 2007 |
| Logged by: David Peake | Teched by: George Coetzee |  |  |  |

Notes: To intersect vein one exposed on the south-east slope of the Missy Knoll.

Drill Hole: MY-07-06
From:
$0 \quad 15.24$
Notes: Casing

## Drill Hole: MY-07-06

From: To
0 15.85

Notes: Assorted river rocks of shale (a couple with veining) and sand.

Lithology: Assorted River Rock rubble
Structure: Fluvial rocks, pebbles to larger boulders (of 8 cm ). Sand in the second section but believed to be added to make space and to demonstrate the material that came out of the wash.

Alteration: Fluvial weathering and rounding.
Veining: Some pieces have minor veining (less than $1 \%$ ) incorporated or are part of a larger structure but no piece appears to be attached to a structure.

Mineralizat No apparent Cu but minor Fe oxidation
Final Depth: 15.85 m

| Drill Hole: MY-07-07 | Claim: Missy | N: 6485727 | E: 363745 | Final depth: 61.57 |
| :--- | :--- | :--- | :--- | :--- |
| AZ: 256 | DIP: 52.5 | EL: 1408 | DHS: Oct. 15, 2007 | DHF: Oct. 18, 2007 |
| Logged by: David Peake | Teched by: George Coetzee |  |  |  |

Notes: To intersect the three veins exposed on the south-east slope of the Missy Knoll.

Drill Hole: MY-07-07

## From: To. <br> $0 \quad 19.81$ <br> Notes: Casing

| Drill Hole: | -07 |
| :---: | :---: |
| From: | To: |
| 0 | 17.5 |
| Notes: | There is a 0.17 m section, with the rock types variable from shale, dolomitic limestone, and then some of the reddish and greenish rocks possibly from the conglomerate from higher elevations. Some minor veining in a shale breccia but no major vein systems. |
| Lithology: | Assorted River Rock rubble |
| Structure: | Fluvial rocks, pebbles to larger boulders (of 23 cm ). Mud and sand most likely also was incorporated but was washed out during drilling. |
| Alteration: | Fluvial weathering and rounding with some minor Fe oxidation. |
| Veining: | Some pieces have minor veining (less than $1 \%$ ) incorporated or are part of a larger structure |
| Mineralizat | No apparent major mineralization other than Fe oxidation. |

Drill Hole: MY-07-07
From: To:
$17.5 \quad 27.62$
Notes: Black/grey shale with varying dip changes 20-50 TCA. Some veining that does carry some pyrite/chalco mineralization.
Lithology: Black to Grey Shale
Structure: Thrusted bedding that varies 20-50 TCA. Some vein stringers and cross cut and follow bedding planes. At the 23.19 m to 23.39 sections the vein occurred in a brecciated region.

Alteration: No major
Veining: $\quad$ Minor amounts of calcitic silica veining most less than 1 mm , with one 0.5 cm veining cutting along the core angle from 23.19 m to 23.39 m . Another vein follows the bedding and is blebbed at 1 cm wide at 50 TCA.

Mineralization: Some minor and then more concentrated areas of chalco and pyrite mineralization. Two smaller more minor chalco stringers at 19.45 m and 20.39 m . The more concentrated areas at 23.39 m being 0.5 cm by 4 cm long appearing to be primarily pyrite with some chalcopyrite. The other segment consists of two blebs cutting across the core at 25.64 m being mostly pyrite, and 2 cm bleb at 23.99 m and then another chalco/pyrite blends at 24.91 m .

| Drill Hole: MY- |  |
| :---: | :---: |
| From: | To: |
| 27.62 | 37.75 |
| Notes: | A shale region of brecciation and veining. The heaviest mineralization in the drill hole occurs in this region. |
| Lithology: | Brecciated shale with veining altering from brecciation and bedding about every 0.33 m to 0.5 m . Where the lithology is not brecciated the bedding varies from 50-60 TCA. A segment of large vein is 0.48 m long. One small region at about 32.05 m appears to be more weathered, with it including a very small piece of green dyke material but only about 2 cm squared. There are some other rocks accompanying it that could be more of a limestone/ankerite. |
| Structure: | Brecciated shale with bedding altering every 0.33 m to 0.5 m . Some milling apparent at $29.72 \mathrm{~m}, 33.39 \mathrm{~m}$ ( $>10 \mathrm{~cm}$ ), 34.34 m ( $>15 \mathrm{~cm}$ long) and 36.65 m ( $>20 \mathrm{~cm}$ ). |
| Alteration: | Infiling of calcite/silica blend with some carrying chalco/pyrite blend. |
| Veining: | Major veining occurs in region with many stringers throughout $\leq 1 \mathrm{~mm}$. Some of the more major veining occurs at $31.27 \mathrm{~m}-31.75 \mathrm{~m}$ and $36.72 \mathrm{~m}-36.88 \mathrm{~m}$. Other sections of veining $+/-5 \mathrm{~cm}$ occurs at $29.47 \mathrm{~m}, 30.03 \mathrm{~m}, 32.41$. There is a long stringer about 1 cm wide spanning from $37.32 \mathrm{~m}-37.75 \mathrm{~m}$. |
| Mineralization: | A more heavily $\mathrm{Cu} / \mathrm{Fe}$ mineralized zone, although no apparent secondary mineralization. Some minor apparent mineralized areas in blebs and stringers less than 0.5 cm squared at 29.19 m (pyrite), 29.57 m (pyrite), 30.42 m (chalco). 32.41 m (chalco), 36.75 m (chalco), 37.37 m (chalco), 37.49 m (chalco/pyrite) and 37.62 m (chalco/pyrite). The largest area of mineralization takes place between/within the vein of 31.27 m and 31.75 m with two sections about 2 cm squared the mineralization appears to be primarily chalcopyrite. |


| Assay <br> Number | From (m) | To (m) | Cu <br> PPM |
| :--- | ---: | ---: | ---: |
| 4653012 | 31.27 | 31.75 | 1890 |

Drill Hole: MY-07-07
From: To:
$37.75 \quad 61.57$
Notes: $\quad$ A predominately monotonous shale area with minor alterations or veining.
Lithology: Black and grey shale bedding with minor amounts of veining (mostly stringers)
Structure: $\quad$ Most of the bedding is $20-30$ degrees TCA.
Alteration: No major alterations.
Veining: Minor stringers $<1 \mathrm{~mm}$ throughout but not as common as the upper regions of the drill hole. One 3 cm vein cuts about at 40TCA at 44.56 m . Some of the larger stringers about 0.5 cm to 1 cm wide occur at 38.91 m and then 48.05 m .

Mineralization: Some minor amounts of mineralization mostly carried within the stringers. Most appear to have a more higher pyrite content then chalcopyrite ratio. There stringers with mineralization mostly of pyrite with some chalco occur at $42.15,42.6,42.93,45.72,45.79$, 45.83 , and 47.71 m depths.

Final Depth: 61.57m

## Missy Drill Hole Core Recoveries and RQD

MY-07-01
Recovery and RQD

| From: | To: | REC | RQD | \%REC | Length |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 0 | 7.01 | 0.44 | 0 | 6 | 7.01 |
| 7.01 | 10.06 | 0.82 | 0.49 | 27 | 3.05 |
| 10.06 | 13.11 | 0.24 | 0 | 8 | 3.05 |
| 13.11 | 16.15 | 0.5 | 0.21 | 16 | 3.04 |
| 16.15 | 19.2 | 0.26 | 0 | 9 | 3.05 |
| 19.2 | 22.25 | 0.16 | 0 | 5 | 3.05 |
| 22.25 | 25.3 | 0.98 | 0.39 | 32 | 3.05 |
| 25.3 | 28.35 | 0.44 | 0 | 14 | 3.05 |
| 28.35 | 31.4 | 0.26 | 0.19 | 9 | 3.05 |
| 31.4 | 34.44 | 0.99 | 0 | 33 | 3.04 |
| 34.44 | 37.5 | 0.12 | 0 | 4 | 3.06 |

MY-07-02
Core and RQD recovery

| From: | To: | REC | RQD | \%REC | Length |
| ---: | ---: | ---: | ---: | ---: | :--- |
| 0 | 10.06 | 0.63 | 0.21 | 6 | 10.06 |
| 10.06 | 16.15 | 0.75 | 0.17 | 12 | 6.09 |
| 16.15 | 19.2 | 0.48 | 0 | 16 | 3.05 |
| 19.2 | 22.25 | 0.66 | 0.26 | 22 | 3.05 |
| 22.25 | 25.3 | 0.17 | 0 | 6 | 3.05 |
| 25.3 | 28.35 | 0.19 | 0 | 6 | 3.05 |
| 28.35 | 31.39 | 0.98 | 0.21 | 32 | 3.04 |
| 31.39 | 32 | 0.23 | 0.13 | 38 | 0.61 |

MY-07-03
Core and RQD recovery

| From: | To: | REC | RQD | \%REC | Distance |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 0 | 3.05 | 0 |  | 0 | 3.05 |
| 3.05 | 11.58 | 0.39 | 0 | 5 | 8.53 |
| 11.58 | 13.72 | 0.25 | 0 | 12 | 2.14 |
| 13.72 | 15.85 | 0.36 | 0 | 17 | 2.13 |
| 15.85 | 16.76 | 0.82 | 0.51 | 90 | 0.91 |
| 16.76 | 17.98 | 0.72 | 0.43 | 59 | 1.22 |
| 17.98 | 18.9 | 0.15 | 0.1 | 16 | 0.92 |
| 18.9 | 19.81 | 0.17 | 0.13 | 19 | 0.91 |
| 19.81 | 20.73 | 0.08 | 0 | 9 | 0.92 |
| 20.73 | 23.47 | 0.18 | 0 | 7 | 2.44 |
| 23.17 | 25.3 | 0.71 | 0.54 | 33 | 2.13 |

MY-07-04
Core and RQD recovery

| From: | To: | REC | RQD | \%REC | Distance |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 0 | 20.42 | 0.74 | 0.39 | 4 | 20.42 |
| 20.42 | 23.47 | 1.88 | 0.93 | 62 | 3.05 |
| 23.47 | 29.57 | 2.23 | 1.77 | 37 | 6.1 |
| 29.57 | 32.61 | 2.61 | 2.1 | 86 | 3.04 |
| 32.61 | 35.66 | 2.53 | 2.18 | 83 | 3.05 |
| 35.66 | 38.71 | 2.41 | 2.25 | 79 | 3.05 |
| 38.71 | 41.76 | 2.83 | 2.83 | 93 | 3.05 |
| 41.76 | 44.81 | 2.59 | 2.32 | 85 | 3.05 |
| 44.81 | 47.85 | 2.76 | 2.68 | 91 | 3.04 |
| 47.85 | 50.90 | 2.45 | 2.21 | 80 | 3.05 |
| 50.90 | 53.95 | 2.28 | 2.1 | 75 | 3.05 |
| 53.95 | 57.00 | 1.94 | 1.16 | 64 | 3.05 |
| 57.00 | 57.61 | 0.61 | 0.36 | 100 | 0.61 |

MY-07-05
Core and RQD recovery

| From: | To: | REC | RQD | \%REC | Distance |
| ---: | :--- | ---: | ---: | ---: | ---: |
| 0 | 14.33 | 0.16 | 0 | 1 | 14.33 |
| 14.33 | 17.37 | 1.9 | 0.48 | 63 | 3.04 |
| 17.37 | 20.42 | 2.77 | 2.47 | 91 | 3.05 |
| 20.42 | 23.47 | 2.45 | 2.03 | 80 | 3.05 |
| 23.47 | 26.52 | 3.03 | 1.77 | 99 | 3.05 |
| 26.52 | 29.57 | 2.44 | 1.68 | 80 | 3.05 |
| 29.57 | 32.61 | 2.66 | 1.69 | 88 | 3.04 |
| 32.61 | 35.66 | 2.77 | 2.65 | 91 | 3.05 |
| 35.66 | 38.71 | 2.94 | 2.84 | 96 | 3.05 |
| 38.71 | 41.76 | 2.9 | 2.71 | 95 | 3.05 |
| 41.76 | 44.81 | 2.74 | 2.18 | 90 | 3.05 |

## MY-07-06

Core and RQD recovery

| From: | To: | REC | RQD | \%REC | Distance |
| ---: | :--- | ---: | ---: | ---: | ---: |
| 0 | 14.33 | 0.24 | 0 | 2 | 14.33 |
| 14.33 | 15.85 | 0.4 | 0 | 26 | 1.52 |

## MY-07-07

Core and RQD recovery

| From: | To: | REC | RQD | \%REC | Distance |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 0 | 14.33 | 0.34 | 0 | 2 | 14.33 |
| 14.33 | 17.37 | 0.76 | 0.28 | 25 | 3.04 |
| 17.37 | 20.42 | 2.48 | 1.45 | 81 | 3.05 |
| 20.42 | 23.47 | 2.62 | 2.24 | 86 | 3.05 |
| 23.47 | 26.52 | 2.63 | 2.43 | 86 | 3.05 |
| 26.52 | 29.57 | 2.88 | 2.82 | 94 | 3.05 |
| 29.57 | 32.61 | 2.7 | 2.08 | 89 | 3.04 |
| 32.61 | 35.66 | 2.36 | 0.99 | 77 | 3.05 |
| 35.66 | 38.71 | 2.6 | 1.93 | 85 | 3.05 |
| 38.71 | 41.76 | 2.84 | 2.68 | 93 | 3.05 |
| 41.76 | 44.81 | 3.01 | 2.85 | 99 | 3.05 |
| 44.81 | 47.85 | 2.93 | 2.64 | 96 | 3.04 |
| 47.85 | 50.9 | 3.04 | 3.04 | 100 | 3.05 |
| 50.9 | 53.95 | 2.9 | 2.81 | 95 | 3.05 |
| 53.95 | 57.00 | 2.81 | 2.81 | 92 | 3.05 |
| 57.00 | 60.05 | 2.29 | 1.95 | 75 | 3.05 |
| 60.05 | 61.57 | 1.52 | 1.16 | 100 | 1.52 |
|  |  |  |  |  |  |

## Appendix F




[^0]:    Drawn by George Coetzee, BSc. Honours,2 October 2007

[^1]:    

[^2]:    

[^3]:    

[^4]:    Final Depth: Abandoned at 32.00 m

