# ASSESMENT REPORT <br> on the 

Sox Property (tenure 501462) Liard Mining Division British Columbia, Canada

## for <br> ARIES RESOURCE CORP <br> 1255 West Pender Street <br> Vancouver, BC V6E 2V1 <br> ACTION MINERALS INC <br> 1255 West Pender Street <br> Vancouver, BC V6E 2V1

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### 1.0 INTRODUCTION

This Assessment Report outlines drilling and other work carried out in 2006 on the Sox Property (the "Claim"), tenure number 501462, which are part of the group of 580 mineral claims comprising the Trident Copper Project.


#### Abstract

At the request of Aries Resource Corp and Action Minerals Inc. (the "Companies" or "Action" or Aries"), the accompanying technical 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 totaling 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 totaling 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 <br> Numbers | Current Use or <br> Operations <br> Conducted <br> on the <br> 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 <br> Mining <br> Division, <br> British <br> Columbia | $\begin{aligned} & 50 \% \\ & 504054 \\ & 501462 \\ & 510008 \end{aligned}$ | 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 $\left(1^{\text {st }}\right)$ 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 Claims or any properties forming part of the Mineral Claims (including any properties acquired with borders within thity 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> 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 Claims or any properties forming part of the Mineral Claims (including any properties acquired with borders within thity 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 ${ }^{3}$ roperty | Liard Mining Division, British Columbia |  | exploration | (i) <br> 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 ( $1^{\text {st }}$ ) 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> 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 thirty kilometres of the nearest portion of the Mineral Claim ["Proximate Properties"]), |
| :---: | :---: | :---: | :---: | :---: |
| Yedhe Mountain Property | Liard Mining Division, British Columbia | $\begin{aligned} & \hline 100 \% \\ & \\ & 519444 \\ & 519445 \\ & 519446 \\ & 519447 \\ & 519448 \\ & 519449 \\ & 519450 \\ & 519451 \\ & 519452 \\ & 519453 \\ & 519454 \\ & 519455 \\ & 519456 \\ & 519457 \\ & 519458 \end{aligned}$ | 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 ${ }^{3}$ roperty | Liard <br> Mining <br> Division, <br> British <br> Columbia | $\begin{aligned} & 100 \% \\ & \\ & 520701 \\ & 520702 \\ & 520703 \\ & 520704 \\ & 520707 \end{aligned}$ | 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 <br> Mining <br> Division, <br> British <br> 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> (vii) 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 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. |
| Tusk Property | Liard <br> Mining <br> Division, <br> British <br> Columbia | $100 \%$ 537943 537945 537947 537948 537950 537951 537952 537953 537954 537955 | 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> (ix) $\quad 2,000,000$ 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. |



| Summit Property | Liard <br> Mining <br> Division, <br> British <br> Columbia | $\begin{aligned} & \hline 100 \% \\ & 517930 \\ & 517932 \\ & 517931 \\ & 517929 \\ & 517928 \\ & 517927 \\ & 517926 \\ & 517925 \\ & 517924 \\ & 517878 \\ & 517877 \\ & 517875 \\ & 517882 \\ & 517893 \\ & 517879 \\ & 517891 \\ & 517890 \\ & 517888 \\ & 517886 \\ & 517885 \\ & 517892 \\ & 517894 \\ & 517895 \\ & 517898 \\ & 517899 \\ & 517900 \\ & \hline \end{aligned}$ | 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) $2,000,000$ Common shares shall be issued to the Owner within 10 days of TSX Venture Exchange acceptance, <br> (xiv) A cash consideration of $\$ 25,000$ within 10 days of TSX Venture Exchange acceptance. |
| :---: | :---: | :---: | :---: | :---: |


| Racing River Property | Liard <br> Mining <br> Division, <br> British <br> Columbia | 50\% <br> (claim <br> numbers <br> attached <br> as <br> schedule <br> " $B^{n}$ ) | 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> (i) 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 of $\$ 300,000$ (three hundred thousand dollars) shall be paid to the Optionor; <br> (iii) No later than 270 days after the receipt of regulatory approval of this Agreement, an additional cash payment of $\$ 300,000$ (three hundred thousand dollars) shall be paid to the Optionor; <br> (iv) On or before the third ( $3^{\text {rd }}$ ) anniversary of regulatory approval of this Agreement, the Optionees shall have performed an aggregate amount of $\$ 5,000,000$ (five million dollars) in exploration work (the "exploration commitment") on the Mineral Claims, or on any claims within the Trident Copper Project area; <br> (v) On the third ( $3^{\text {rd }}$ ) anniversary date, and with the Optionees having successfully performed the exploration commitment described in 2.01a.(iv), the Optionor shall, at its sole discretion, through the process of giving written notice to the Optionees, receive one of the following: <br> i. 2,500,000 common shares in Action Minerals Inc. and 2,500,000 common shares in Aries Resource Corp., to be issued within 5 business days of having given the aforementioned written notice. In the event that the Optionees vend, joint venture or otherwise dispose of the Mineral Claims to an "area partner" during the term of this agreement, the Optionor shall have the right to receive its aggregate $5,000,000$ shares from each of the area partners on a pro-rata basis based upon claim area, or <br> ii. $\$ 5,000,000$ in cash, to be paid within 90 days of having given the aforementioned written notice. <br> b) A $1 \%$ NSR shall be reserved unto the Optionor hereunder. <br> 10 <br> c) The Optionees shall have the right at any time to accelerate the Option Payments for the purpose of shortening the time period for exercising the Option. |
| :---: | :---: | :---: | :---: | :---: |


|  | Liard Mining Division, British Columbia | $\begin{aligned} & \hline 100 \% \\ & 534724 \\ & 534725 \\ & 534726 \end{aligned}$ | 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> (xv) A cash payment of $\$ 20,000$, and <br> (xvi) $\quad 2,500,000$ 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. |
| :---: | :---: | :---: | :---: | :---: |

## 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), canceling 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.

Table 1: Payments to Seguro

| Monetary Payments CAN $\$$ |  |
| :--- | ---: |
| To be paid within 2 days of TSX Venture Exchange <br> Agreement approval | $\$ 10,000$ |
| To be paid within 30 days of TSX Venture Exchange <br> Agreement approval | $\$ 32,500$ |
| To be paid within 60 days of TSX Venture Exchange <br> Agreement approval | $\$ 32,500$ |


| To be paid within 6 months of TSX Venture <br> Exchange Agreement approval | $\$ 75,000$ |  |
| :--- | ---: | ---: |
| Total |  |  |

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.

Table 2: Common Stock Transfers to Seguro

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

Table 3: Common Stock Transfers to Doctors

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

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 favor 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.

## Table 4: Payments to Aries.

| Timing | Payment | Action Work <br> Requirements |
| :--- | :---: | :---: |
| To be issued within 10 business <br> days of TSX Venture Exchange <br> Agreement approval | 500,000 common shares <br> CAN $\$ 50,000$ cash payment | none |
| On or before 180 days of TSX <br> Venture Exchange Agreement <br> approval | CAN $\$ 75,000$ cash payment | none |
| To be issued before the 1 ${ }^{\text {st }}$ <br> anniversary of the Agreement | 500,000 common shares | $\$ 400,000$ of N1 43-101 <br> recommended work |
| To be issued on the $2^{\text {nd }}$ <br> anniversary of the Agreement | 500,000 common shares | $\$ 1,100,000$ of NI 43-101 <br> recommended work |
| To be issued on the $3^{\text {rd }}$ <br> anniversary of the Agreement | $1,000,000$ common shares | $\$ 1,500,000$ of NI 43-101 <br> recommended work |


| Timing | Payment | Action Work <br> Requirements |  |
| :---: | :---: | :---: | :---: |
|  | 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 thirty (30) kilometers 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 PHISIOGRAPHY

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 northeastern portion of the Trident area is possible by twotrack dirt road extending thirty kilometers from a point approximately thirteen kilometers west of Summit Lake (Mile 401 Alaska Highway) to the Churchill mill site situated at the confluence of Delano Creek and the Racing River. The road is in good condition and well used, but entails fording MacDonald Creek, Wokkpash Creek, and Delano Creek/Racing River.

Access to the northwestern 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 kilometers to the area of the Key property. The bridge located 1.5 kilometers 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 iron-oxide copper gold (IOCG) mineralization, similar to the polymetallic Olympic Dam deposit in Australia and the Nico deposit in the Northwest Territories, may be present.



### 4.0 SOX PROPERTY HISTORY \& PREVIOUS WORK

In 1969, Churchill carried out a work program on the John Claims (Holt et al, 1969) consisting of geologic mapping, rock sampling, trenching, diamond drilling, and a geophysical electromagnetic (EM) survey. Surveys identified epithermal, highgrade, vein-type copper mineralization in quartz-carbonate veins paralleling basic dikes. Veins crop out in Ringarooma Creek which is located within the northern boundary of the current Sox claim.

Three parallel veins, with widths ranging from 3 to 6 feet (0.91-1.82 meters), strike $030^{\circ}$ with vertical dips. The only alteration noted was silicification extending a few feet outward from the veins into the wall rock.

Chalcopyrite occurs as patches, blebs, and disseminations, along with minor amounts of bornite. Pyrite is a common accessory mineral. Chip sampling returned:

- Vein $1 \quad 5.57 \%$ copper over 8.0 feet ( 2.4 meters);
- Vein 2 4.61\% copper over 3.0 feet ( 0.91 meters); and
- Vein $3 \quad 2.10 \%$ copper over 6.0 feet ( 1.82 meters).

Similarities were recognized between the Sox, Magnum, and Eagle veins. Mineralization is considered to be epithermal, high-grade, vein-type.

Deposits consist of narrow, near vertical chalcopyrite-bearing quartz-carbonate veins generally striking $030^{\circ}$. Quartz-carbonate veining is closely associated with basic dikes. Bulldozer trenching was employed to follow the veins along strike, but was unsuccessful due to permafrost.

One BQ hole, DDH J-1, was drilled by T. Connors Diamond Drilling to test vein strike and depth. The drill hole was collared approximately 270 feet ( 82.3 meters) westnorthwest of the vein showings in Ringarooma Creek, and had an azimuth of $120^{\circ}$ and a dip of $45^{\circ}$. Although core recovery was reported as excellent, the hole was abandoned at 383 feet ( 116.7 meters) with an estimated vertical depth of 260 feet ( 79.2 meters) due to mechanical breakdowns and severe weather conditions.

Basic dike material containing scattered quartz stringers was cut from 14.0-59.5 feet (4.3-18.1 meters). From 59.5-383.0 feet (18.1-116.7 meters), shale-hosted quartz-carbonate-healed fractures and quartz-carbonate stringers to 10 inches ( 0.25 meters) were intersected. No mineralization was encountered and the full target area was not tested.

Dr. S.H. Ward, P.Eng., supervised the Crone "shootback" EM survey carried out by Chapman, Wood, and Griswold Limited. Readings were taken at 100-foot intervals. Results did not show along-strike conductor continuity. It was believed that this lack of conductor continuity could be due to two interpretations: the copper mineralization could be localized within the vein; or copper mineralization was not electronically continuous along strike. A geophysical survey using induced polarization (IP) was recommended, but was not carried out.

In April 2006 Action and Aries retained McPhar Geosurveys Ltd. to perform ~2600 line kilometers ( $\sim 1600$ miles) of helicopter supported magnetic surveys, to be flown at a line spacing of 100 m over a large portion of the Trident Property, including the SOX Property. The goal of the surveys was to locate mafic dykes spatially associated with the mineralized quartz veins, such as the Magnum and Eagle veins and to identify prospective mineralized bodies, such as Olympic Dam-type IOCG (Iron-oxide/Copper/Gold/Silver/Cobalt) mafic intrusive bodies. In addition, some 820 line kilometers ( $\sim 500$ miles) of frequency electromagnetic surveys 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 kilometers of Mag/EM and ~2600 line kilometers of Mag were flown in 2006. The airborne magnetic surveys were successful in mapping the diabase dykes swarms as well as several large
buried magnetic intrusive bodies. Significant EM and Mag anomalies were noted at the Magnum Mine, at and above the Keys mine, at the Missy and Goat Matnick. The Mag was successful at delineating basic geological structure at the SOX.


### 5.0 Regional Geology and Structure

(taken from Chapman et al, 1971)
"Proterozoic argillites, quartzites, and limestones contain all the known copper deposits, possess generally low dips, are intruded by post-ore diabase dikes of Proterozoic age, and are overlain by unmineralized 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 dikes.

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

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

The best recognized to date is a belt 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 (Key), Magnum (Angel), John (Sox), Lady (Lucky Lady), Churchill Creek, Ed (Ed), and Anne (Annabelle) properties (brackets indicate properties currently optioned by Aries).

Most of the known mineralized veins of the region have strikingly similar mineral composition and structural characteristics.

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 dikes and veins that mostly strike east of north and possess steep westerly dips."

### 5.1 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 dikes 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).


Table 5: Geology Legend

|  | Paleozoic |
| :---: | :---: |
|  | Carboniferous and Devonian <br> Db - Besa River Formation: dark pyritic siliceous shale |
|  | Devonian <br> Dd - Dunedin Formation: dark grey limestone |
|  | Local Disconformity |
|  | Ds - Stone Formation: light grey dolomite; dolomite breccia |
|  | Disconformity |
|  | $\begin{array}{ll}\text { Dw } & \text { - Wokkpash Formation: sandstone, minor dolomite, shale } \\ \text { Dm } & \text { - Muncho-McConnell Formation: dolomite }\end{array}$ |
|  | Disconformity |
|  | $\begin{array}{cl}\text { Silurian } \\ \text { Sn } & \text { - Nonda Formation: dark grey dolomite, basal sandstones; minor limestone }\end{array}$ |
|  | Angular unconformity |
|  | Ordovician - Ketchica Group <br> Ok - argillaceous limestone Ok <br> g - graptolitic shale <br> Okt - turbidites <br> Okl - limestone, minor sandstone |
|  | Angular unconformity |
|  | Cambrian - Atan Group <br> Ca - limestone, dolomite; minor sandstone and shale <br> Cs - conglomerate, sandstone, shale; minor limestone |
|  | Disconformity |
|  | Hadrynian <br> $\mathrm{Pv} \quad \begin{aligned} & \text { - quartz-chlorite phylite, meta-sandstone, quartz-pebble } \\ & \text { conglomerate }\end{aligned}$ |
|  | Angular unconformity |
|  | Helikian <br> - gabbroic dykes <br> - Gataga Formation: mudstone, siltstone; minor <br> Pg sandstone <br> $\mathrm{Pa} \quad$ - Aida Formation: mudstone, siltstone; minor chamositic and carbonaceous mudstone, dolomite, and limestone <br> Pt - Tuchodi Formation: quartzite, dolomite, siltstone; minor red shale <br> Ph - Henry Creek Formation: calcareous mudstone, siltstone; minor sandstone <br> Pd - George Formation: limestone, dolomite <br> Ps - Tetsa Formation: dark grey mudstone, sandstone; minor quartzite |
|  | Disconformity |
|  | Pc - Chisma Formation: dolomite, quartzite; minor siltstone |



### 5.2 Property Geology

The Sox claim is located within buff weathered slatey argillites of the Aida_Formation. The argilites are well foliated and folded in places. A weakly - magnetic gabbroic dyke trending north easterly cuts the argillites. This dyke and veins dips steeply to the North West. The two mineralized veins were emplaced within and on the north eastern margin of the dyke. The veins are dipping toward the North West and strikes $030^{\circ}$.After the dyke intrusions and shear/faulting the veins were deposited by hydrothermal processes.

### 5.3 Surface Mineralization

The chalcopyrite mineralization on the Sox property consists of three approximately 1-3 meter thick chalcopyrite rich veins with a inferred strike length of at least 600 m . These epithermal veins largely parallels a basic dyke with an approximately 030 degree strike.

The mineralization consists mainly of chalcopyrite with minor pyrite, cobalt, bornite and gold within quartz- carbonate material that intruded parallel shear/fault zones within and adjacent to the dyke. The host rock contact (argillite) was silicified in close proximity to the mineralization. The Sox occurrence consists of two parallel veins about 20 meters apart, named the John (west side) and Janet veins (east side). The mineralization veins are positively exposed on the steep banks of the creek (over a 25 m strike length).and is characterized by mainly malachite and lesser azurite staining. Otherwise the high grade copper veins are covered by about 5 m of weathered slatey argilites and vegetation.

### 5.4 DEPOSIT TYPES

Olympic Dam-type iron oxide-copper-gold-uranium-rare earth elements deposits (IOCG) are characterized by iron-rich, low-titanium rocks formed in extensional tectonic environments. IOCG deposits are formed in shallow crustal environments as expressions of deeper-seated, volatile-rich igneous-hydrothermal systems, tapped by deep crustal structures. Deposits occur as magnetite+/-hematite breccias, veins, and tabular bodies hosted by continental volcanics, sediments, and intrusive rocks (Lefebure, 1995). The following observations are based on Hitzman et al, (1992):

- Age: Early to mid-Proterozoic host rocks (1.1-1.8 billion years (Ga)). However, examples are recognized into the Tertiary. Ages in the 1.8-1.4 Ga range suggest a relationship to global rifting which preceded the break-up of the mostly amalgamated Proterozoic super-continental land masses and subsequently led to continental drift.
- Tectonic Setting: located in cratonic or continental margin environments associated with extensional tectonics and major structural zones. Deposits can be elongated parallel to regional or local structural trends.
- Mineralogy: ores are generally dominated by iron oxides (magnetite or hematite). Magnetite is found at deeper levels than hematite. Calcium carbonate, barium, phosphorus, or fluorine minerals are common. The deposits contain anomalous rare earth elements (REE); and
- Alteration: alteration mineralogy depends on host rock lithology and depth of deposit formation. Generally, the alteration trend is from sodic alteration at deep levels, to potassic alteration at intermediate to shallow levels, to sericitic alteration and silicification at very shallow levels.


### 5.5 IOCG Comparison: Olympic Dam and Wernecke Mountains Breccias

The following table compares Canadian and Australian IOCG-type deposits.
Table 6: IOCG Comparison - Olympic Dam and Wernecke Mountains

|  | Olympic Dam - Australia | Wernecke Mountains - Yukon |
| :---: | :---: | :---: |
| Regional Setting | - hosted by brecciated granitoid igneous rocks | - hosted by brecciated, weakly metamorphosed sedimentary rocks cut by gabbro-diorite dike <br> - breccias formed by dissolution and subsequent collapse of sedimentary rocks |
| Age | - host granitic rocks are 1.6 Ga old, mineralization is 1.4 Ga . | - host sediments range from 1.8 1.7 Ga brecciation is approximately 1.6 Ga |
| Morphology | - strong structural control <br> - breccias are steeply-dipping, dikelike, and strike north-northwest paralleling regional airphotolineaments <br> - generally display gradational contacts with host rocks | - strong structural control, breccias occur as dike- or sill-like bodies <br> - formed along north-northwesttrending faults and/or anticlinal axes <br> - generally display gradational contacts with host rocks |
| Ore Textures | - highly variable, including massive iron oxide rocks, breccias with iron oxide matrix, layered iron ore. Wall rock can show original rock textures preserved within ore suggesting mineralization replacement of host rocks |  |
| Alteration | - sericitic-type with an alteration assemblage of hematite + sericite + barite + fluorite <br> - locally intense silicification <br> - mafic components show skarn mineralization consisting of chlorite and epidote+/-hematite | - potassic/sericitic-type (higher levels) with and alteration assemblage of carbonate-chlorite-magnetite-hematite-sericite-baritefluorite <br> - sodic-type alteration (at depth) with the assemblage albite-paragonite-sericite-carbonatemagnetite |
| Mineralization | - copper, uranium, gold, silver, and rare earth elements <br> - fluorine, barium, and phosphorus are enriched <br> - abundant iron oxides (magnetite and hematite) <br> - low titanium content usually between 0.5-2.0\% <br> - copper mineralization is closely associated with hematite and is considered to be a late-stage event <br> - magnetite and pyrite occur together. As magnetite is considered to be magmatic in origin and to predate hematite formation, pyrite mineralization is considered to be an early-stage event <br> - gold mineralization is associated with late-stage silicification and is considered to postdate iron, uranium, and copper emplacement. <br> - Olympic Dam contains silver, cobalt, nickel, tellurium, and arsenic <br> - Wernecke Mountains breccias contains anomalous molybdenum and cobalt. |  |

The Olympic Dam Breccia Complex is located in southern Australia approximately 520 km northwest of Adelaide, and has a reported mineral resource of 2,320 million tonnes (Mt) grading $1.3 \%$ copper, $0.4 \mathrm{~kg} / \mathrm{t}_{3} \mathrm{O}_{8}, 2.9 \mathrm{~g} / \mathrm{t}$ silver and $0.5 \mathrm{~g} / \mathrm{t}$ gold (Yukon Geological Survey).

Wernecke Mountains breccias are located in the Yukon Territory approximately 700 kilometers north-northwest of the Trident Project area. Up to 90 breccias have been identified but no mineral resource size has been reported.

IOCG-type deposits occur as discordant veins and breccias cutting across local hostrock bedding, or as massive concordant bodies paralleling host-rock bedding. Deposits occur in relatively shallow crustal environments, generally between 4 and 6 kilometers, and are thought to be expressions of deeper-seated, volatile-rich igneous-hydrothermal systems, tapped by deep crustal structures. IOCG-type deposits are products of hydrothermal processes acting in the upper crust. Alteration patterns associated with IOCG deposits are zoned and extend beyond areas of massive to semi-massive iron mineralization. Alteration mineral suites occur as hostrock replacement and veining. Iron oxides occur as disseminations in wall-rocks, as well as in massive bodies and stockworks.

Deposit formation temperatures are relatively cool, suggesting near surface hydrothermal origins rather than deep-seated magmatic origins. Mineralization at Olympic Dam is theorized to have been active in the range of $110^{\circ}$ to $400^{\circ}$ centigrade (C). At Wernecke Mountains, temperatures ranged from $80^{\circ}$ to $300^{\circ} \mathrm{C}$.

The size of IOCG-type deposits suggests large quantities of mineralizing hydrothermal fluids that could be generated by the removal of water from magmatic solutions at depth, and by the deep circulation of ground water.

These two fluid sources likely became mixed. Deposits are located in tectonically active areas undergoing extensional fracturing and faulting. This spatial relationship between deposit location and crustal deformation suggests that physical deformation provided the plumbing system through which mineralizing fluids moved.

### 5.6 Nico and Sue-Dianne IOCG Deposits

Other Canadian examples of IOCG-type mineralization are the Nico and Sue-Dianne deposits situated 750 kilometers northeast of the Trident Copper Project, near the south end of the Proterozoic-age Bear Structural Province, Northwest Territories. The Nico deposit is located approximately 160 kilometers northwest of Yellowknife and contains 13.354 million tonnes grading $0.142 \%$ cobalt, $1.62 \mathrm{~g} / \mathrm{tgold}$, and $0.164 \%$ bismuth. The Sue-Dianne deposit is located 20 kilometers north of NICO and contains 10.6 million tonnes grading $0.95 \%$ copper (Hennessey et al, 2004).

Both deposits occur within a regional, northwest-striking, arcuate trend of volcanic and sedimentary rocks characterized by significant positive gravity and magnetic responses believed to represent a major basement discontinuity (Goad et al, 1999). The NICO anomalies are at the intersection of this regional trend with a major transverse fault. The Sue-Dianne deposit is a hematite-magnetite-iron-silicatecemented explosive breccia complex located at the intersection of two major faults at the north end of the basement discontinuity and is hosted in rhyodacite ignimbrite.

At both deposits, breccias, cemented with iron oxide, straddle the regional metasediment-volcanic unconformity, suggesting that mineralization formed in a near-surface environment at the same time as the onset of volcanism.

At Nico, mineralization is hosted in brecciated clastic sediments of the Snare Group, near their unconformity with overlying volcanic rocks of the Faber Group.

Mineralization consists of native gold and cobalt, bismuth and copper sulfides in a series of stacked $40^{\circ}$-dipping stratabound lenses. Small mineralized lenses occur in altered dikes. Multiple generations of magnetite and hematite are interpreted to reflect successive pulses of hydrothermal mineralization and dike emplacement.

At Sue-Dianne, mineralization is hosted in an elliptical-shaped explosive breccia complex. Breccias contain copper mineralization as finely disseminated chalcopyrite, minor bornite, and chalcocite intergrown with, or replacing, iron oxides. Other alteration minerals include epidote, chlorite, garnet (andradite), fluorite and quartz. Pitchblende locally occurs as veins marginal to the copper-rich zones but does not occur in significant concentrations (Goad et al, 1999). Pyrite content increases with depth.

The geochemical signature for an IOCG-type deposit includes anomalously high values for copper, uranium, gold, silver, cerium, lanthanum, cobalt, $+/$ - phosphorus, +/- fluorine, and +/- barium in associated rocks.

The considerable potential size of Olympic Dam-type deposits, up to 2 billion tonnes, and the polymetallic ore assemblages make Olympic Dam-type deposits highly attractive targets for exploration.

While mineralization at Olympic Dam, Wernecke Mountains, Nico, and Sue-Dianne is not necessarily indicative of mineralization in the Trident Copper Project area, similarities indicate exploration potential.

### 6.0 MINERALIZATION

Within the Trident Copper Project area, copper mineralization generally occurs as chalcopyrite in quartz-carbonate veins closely associated with mafic dikes. There is some debate as to whether dike emplacement preceded or followed vein emplacement as available evidence could support either interpretation. Whichever came first, diking and veining are closely related in age and location.

Chalcopyrite occurs as dissemination, fracture fillings, and masses within quartzcarbonate veins, and rarely extends into the surrounding sediments. Pyrite is secondary to chalcopyrite; bornite, chalcocite, and covellite are sometimes minor vein constituents. Often copper sulfide oxidation creates crusts of green malachite and/or blue azurite.

Minor occurrences of erythrite (hydrated cobalt arsenide) have been reported in historical assessment reports at the Key property, and the Talus and Sox claims.

Gangue is principally quartz with lesser but variable amounts of carbonate in the form of calcite or siderite (iron carbonate).

### 7.0 EXPLORATION

Diamond drilling and VLF mapping was carried out in 2006 on the Sox Property between October and through December. Work was supervised by John Kowalchuk, PGeo, a "qualified person" representing Aries and Action, and George Coetzee BSc (Hons) in geology, acting under the direction of the qualified person.

### 7.1 Surface Geology

The Chalcopyrite veins parallel the dyke at a 030 degree strike. The mineralization consists of chalcopyrite with minor bornite and pyrite within quartz-carbonate veins that intruded the parallel shear zones within and on the margin of the dyke. These near vertical veins are only exposed on the steep banks of the creek. Otherwise the veins are mainly covered by thick overburden. Mapping, surface magnetic- and VLF electromagnetic- surveys were completed over a strike length of about 600 metres.

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 4.5 kilometres of traverses were done using the above instruments at the station intervals of 5 metres (or 1m 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 50 m to 75 m 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 at least a 1000 to 2000 metres in length based on the geology and magnetic survey of the regional area. The diamond drilling indicates that the VLF strike positions by enlarge strongly correlate with vein positions intersected in the drill holes.

### 7.2 Surface sampling

In 2005 a chip surface sampling program was completed across the John and the Janet veins. The chip samples were taken as continuously as possible across the indicated sample length. Select samples consist of rock fragments chosen to best represent the desired geologic occurrence. The Assay results indicated ranged from 2.45 to 4.85 \% Cu over one metre (Harrington, E. (2005). As Previous and 2005 surface sampling already indicated high Cu grades no surface sampling was done in 2006. The main purpose was to drill and assay the mineralized veins at depth as to ascertain the potential economic value of these veins, which turned out to be of lower Cu grade than expected.

### 7.3 Drill program

This helicopter-supported drill program was designed to test the down-dip extent of the Janet, John and Janet/Bullnose veins, which are visible on surface. Drilling at the Sox Prospect was performed between September 6 - December 19, 2006 and was contracted to Lloyd's Drilling Ltd. from Stewart, BC. Drilling was interrupted by an assessment by the Ministry of Energy \& Mines that exploration activities and personnel were threatened by the risk of avalanche from slopes above the camp and drill sites. The Ministry required that a fully qualified avalanche technician be present in the camp in order to continue operations. The avalanche engineering company Chris Stetham \& Associates was retained on a full time basis, throughout the month of December, to provide assessment and training for exploration personnel. Throughout the balance of the 2006 winter program, the risk of avalanche was never greater than low and there were no avalanche related incidents of any kind.
616.90 metres were drilled in 2006. The drill hole positions and azimuths were surveyed with a Rhino handheld GPS ( $5-20 \mathrm{~m}$ accuracy) and compass or a Topcon total station GPS (<1m accuracy; when in working order). See table 7 for drill coordinates and azimuths. The drill holes were for the most part less than 80 metres deep, therefore the drill hole angles of the holes were obtained with the acid glass tube etching technique at the bottom of the hole. There were only minor to no drill hole deflections (from the original drill angles).

Table 7. Drill hole collar coordinates on the Sox property

| Diamond <br> hole | drill | Northing | Easting | Elevation in m | Final depth in <br> metres |
| :--- | :--- | :--- | :--- | :--- | :--- |
| SX06-01 | 6487201 | 355814 | 1632 | 59.44 | 104 |
| in |  |  |  |  |  |
| degrees |  |  |  |  |  |$|$| SX06-02 | 6487149 | 355761 | 1638 | 47.2 |
| :--- | :--- | :--- | :--- | :--- |
| SX06-03 | 6487287 | 355820 | 1642 | 211.34 |
| SX06-04 | 6487254 | 355844 | 1639 | 92.35 |
| SX06-05 | 6487255 | 355845 | 1639 | 79.78 |
| SX06-06 | 6487242 | 355843 | 1643 | 89.3 |
| SX06-07 | 6487176 | 355828 | 1641 | 37.49 |

Surface rock conditions are poor and some holes were cased for up to 60 metres. The core recovery was generally poor up to 20 metres in depth thereafter core recovery improved significantly. Seven diamond drill holes were drilled from five drill platforms (wood) on the southern and northern Delano creek slopes which host the Sox showing, as illustrated on Figure 6. Five of the seven Diamond drill holes (5 NQ and $2 A Q$ holes) intersected the veins at depth. The holes were all drilled in weathered argillite and lesser weathered dyke material. Drill hole Sx06-02 and Sx0607 were abandoned. Diamond drill holes $\mathrm{Sx06-01}$ and $\mathrm{Sx06-02}$ were drilled with a light Hydrocore drill producing AQTK drill core. Diamond drill holes $\mathrm{Sx06-03}$ to -07 was drilled with a Boyles 25A, diesel powered drill using BTW thin-wall drill rods. Water was pumped from the Delano creek for about 40-170 metres to the drill sites.

Drill core was transported by helicopter from the Sox claim to Magnum camp where recovery was measured, geological and geotechnical logging was performed.
Mineralized intervals from each hole were cut, with one-half bagged (with a certified
standard pulp sample $\{\mathrm{Cu}$ and Au$\}$ inserted for every $\pm 10$ samples as a Lab check) and the other half of the cores were returned to the core boxes. The marked core boxes are stored at the Magnum camp about 250 metres south of the 5200' adit. Appendix C contains the ACME analytical results and appendix E the drill and the geotechnical logs. All this work was performed under the close supervision of a geologist.
The core samples were delivered in person to Acme Analytical Laboratories Ltd. of Vancouver, BC (an accredited analytical laboratory), and were analyzed by multielement ICP analysis techniques. The mineralization was analyzed for chalcopyrite and other elements with group 7TX, 4 Acid digestions with ICP-ES/ICP-MS analysis. Gold analysis was done with Group 6 - precious metals by fire assay and analysis by ICP-ES. Drilling results from five holes are shown in table 8:

Table 8: SOX Drilling 2006

| Diamond Drill Hole | $\begin{array}{\|l\|} \hline \text { Core } \\ \text { Type } \end{array}$ | $\begin{aligned} & \text { Sample } \\ & \text { no } \end{aligned}$ | $\begin{aligned} & \text { From } \\ & (\mathrm{m}): \end{aligned}$ | $\begin{aligned} & \text { To } \\ & \text { (m): } \end{aligned}$ | Apparent Width (m): | $\begin{aligned} & \mathrm{Cu} \\ & (\%) \end{aligned}$ | $\begin{aligned} & \mathrm{Au} \\ & (\mathrm{~g} / \mathrm{mt}) \end{aligned}$ | $\begin{aligned} & \mathrm{Ag} \\ & (\mathrm{~g} / \mathrm{mt}) \end{aligned}$ | $\begin{aligned} & \text { True } \\ & \text { width } \\ & (m) \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SX06-01 | AQTK | 465013 | 25.91 | 27.43 | 1.52 | 1.13 | 0.10 | trace | 1.25 |
| SX06-01 | AQTK | $\begin{aligned} & 465018 \\ & 465019 \end{aligned}$ | 47.35 | 49.11 | 1.76 | 0.82 | 0.04 | trace | 1.40 |
| SX06-04 | NQ | $\begin{aligned} & 465009 \\ & 465010 \end{aligned}$ | 69.87 | 71.02 | 1.15 | 2.98 | 0.15 | trace | 0.65 |
| SX06-05 | NQ | 465023 | 71.87 | 72.92 | 1.05 | 1.72 | 0.05 | trace | 0.52 |
| SX06-06 | NQ | 465058 | 72.63 | 73.20 | 0.57 | 6.51 | Not assayed | trace | unkno |
| $\begin{aligned} & \text { SX06- } \\ & 07^{*} \end{aligned}$ | NQ | 465057 | 12.83 | 13.70 | 0.87 | 7.06 | Not assayed | trace | unknow |

SX06-07* was abandoned in progress and only partially sampled and assayed up to 13.70 m .



### 7.4 Mineralization in drill holes

The mineralization consists mainly of chalcopyrite with minor bornite and pyrite within quartz- carbonate material that intruded parallel shear zones within and on the margin of the dyke. The chalcopyrite also occurs as patches and disseminations in close proximity to the prominent chalcopyrite veins. No sulfide oxidation (malachite and/or azurite) and or erythrite (hydrated cobalt arsenide) were observed in any of the drill holes. The core was friable in places due to the foliation, fracturing or minor faulting, this resulted in sporadic localized core losses in the ore zones.

### 7.5 Drill hole results

Hole SX06-01 was drilled at $-43^{\circ}$ in a East South East direction directly toward the two veins. The hole mirrored the geology or the northern bank of the creek. The hole intersected gray argillite, dyke the hosted the chalcopyrite and pyrite mineralization. The dyke consists of at least two intrusion pulses. The John (western vein) was intersected within the dyke near North Western contact. The Janet vein was intersected on the South Eastern contact with minor silicification. The total depth of the hole was 59.44 metres. Please see vein widths and grades in table 8.

Drill hole SX06-02 was drilled at $-45^{\circ}$ in an East South East direction. Only friable grey argillite (siltstone) was encountered. The hole was abandoned due to poor rock conditions in grey argillite. The veins or dyke was not intersected. The final depth was 47.2 metres.

Drill hole SX06-03 was drilled at $-45^{\circ}$ in a South East direction towards the John and Janet veins. The core comprised mainly of foliated argillite with thin dyke zones, hosting one well defined barren quartz carbonate vein at. No mineralization was intersected. The hole was completed at 211.84 metres.

Drill hole SX06-04 was drilled at $-44.50^{\circ}$ in a South East South direction, just west of
the John vein. The John vein was not intersected in the core because of total core loss (near surface) or faulting? The Janet vein was intersected at with significant mineralization (chalcopyrite) within a quartz carbonate vein from 69.87-70.52 metres. The hole was completed at 92.35 m in argillite. See table 8 for assaying results.

Drill hole SX06-05 was drilled $-44.50^{\circ}$ in a South East South direction (about 15 degrees more to the south). The collar is approximately a metre from drill hole SX0604. The John vein was not intersected because of total core loss (near surface) or a possible fault. The Janet vein was intersected at about 72 metres. See table 8. The final depth of the hole was at 79.78 metres.

Drill hole SX06-06 was drilled ( $-46^{\circ}$ ) striking South East. The mineralized Janet vein was intersected at about 73 metres. The hole was completed at 89.3 metres. See table 8.

Drill hole SX06-07 was drilled ( $-50^{\circ}$ ) towards the North Wes. (From south side of the creek). The Janet vein was intersected at 13 metres. The hole was stopped at 37.49 metres in dyke material because for the December holidays. It was later decided to abandon the SX06-07 as to drill the at present more promising Missy project. See table 8.

### 7.6 Interpretation and conclusions

The Sox property lies close to the Churchill and Davis Keays mine with known reserves. The mineralization mirrors the Churchill and Davis Keays mine epithermal chalcopyrite veining in structural shear/fault zones paralleling close to mafic dykes; Genn David; 1991 (or within a dyke as in the Sox case). The mineralization occurs mainly as chalcopyrite veins in quartz carbonate vein material with chalcopyrite patches and disseminations in close proximity to the mineralized veins. These mineralized vein intersections assayed from 0 to $3 \% \mathrm{Cu}$ (sub economic grade). The

John and Janet vein intersections (in the drill holes) were less than a meter in thick.

Mapping, surface magnetic- and VLF electromagnetic- surveys indicated a strike length of at least 600 metres. The VLF signal strengths on both ends of the projected mineralization extensions indicated that the veins extend in both directions. The veins could be at least 1000 to 2000 metres in length. There is a possibility that the vein width could increase towards the North East (and South West) as indicated by the dyke magnetic signature and VLF survey. The EM survey also indicated EM highs (conductors) near the Delano creek about a mile north east of the Sox drilling area.

### 7.7 Recommendations

The key of finding economic copper deposits is locating the extensional faulted/ sheared openings where higher grade and higher tonnage copper mineralization is located.

The following is recommended:

- Test a battery of geophysical methods that (maybe) will pinpoint the thin vein positions below the soil cover (\$20000).
- Purchase a more detailed satellite image of the area in the summer (at 1 m resolution) for mapping and structure purposes. The veins and small structures are not visible on the aerial or satellite photos.
- Map the Southern and northern extensions as to locate the outcrops of the John and Janet veins, and gain a better understanding of the structural controls of the area.
- Sample the discovered mineralized vein outcrops.
- Map and sample the area around the EM highs.
- Utilizing the above mentioned info as to focus the exploratory drilling program ( $\$ 150000$ ) on most promising areas north and south of the creek.

The cost of the first phase will be approximately $\$ 60000$ (Geophysics test and mapping). If the geophysics is successful then a detailed geophysics survey (at 100 m apart line spacing) over the extended vein positions is recommended. The total cost will then increase to about $\$ 120000$ for the first phase exploration program.

The drilling cost (second phase) will be approximately $\$ 150000$.

### 8.0 SAMPLING METHOD and APPROACH

Rock sampling of the Trident Copper Project properties is limited to reconnaissance scale rock geochemical samples. In 2006 no surface sampling program was done on the Sox property.

### 8.1 SAMPLE PREPARATION, ANALYSIS and SECURITY

All core samples were split on site, with one half shipped 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 $>10,000$ ppm were re-analyzed by ore grade CU-AA62 process, where a prepared sample was subjected to four acid "near total" digestion, followed by atomic absorption.
9.0 STATEMENT of COSTS

|  | Item | Number | Rate | Sub | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Staff |  |  |  |  |  |
|  | Qualified Person | 10days | \$500/day |  | 5000.00 |
|  | Field Geologist | 30days | \$600/day |  | 18000.00 |
|  | Junior Geologist | 60days | \$244.60/day (1) |  | 4892.00 |
|  | Junior Geologist | 60days | $\begin{aligned} & \text { \$244.60/day } \\ & \text { (1) } \end{aligned}$ |  | 4892.00 |
|  | Level II Med-Tech | 30days | \$250/day |  | 7500.00 |
|  | Geological Consulting | Contract |  |  | 11600.00 |
| Airfares |  |  |  |  |  |
|  | Round trip FT Nelson / Dallas | 2 |  |  | 3872.80 |
|  | Round trip FT Nelson / St Louis | 2 |  |  | 2765.00 |
|  | $\begin{aligned} & \text { Round trip FT Nelson / } \\ & \text { Van } \end{aligned}$ | 4 |  |  | 4004.00 |
| Drilling Contractor / Llyod's Drilling / Smithers BC |  |  |  |  |  |
|  | Crew Transportation |  |  | 9122.8 |  |
|  | Lodging |  |  | 603.73 |  |
|  | Meals |  |  | 3098.67 |  |
|  | Drilling Materials Consumed |  |  | 16174.07 |  |
|  | Supervisor |  | Contract Rate | 50113.25 |  |
|  | Drillers | 162days | \$500/day | 81000 |  |
|  | Footage (including lost holes) | 1248 ft | \$44/ft | 54928 |  |
|  | Drillers Helpers |  | \$250/day | 41472.24 |  |
|  | Core Splitting |  |  | 3900 |  |
|  | Office and Phone |  |  | 137.3 |  |
|  | GST |  |  | 7840.2 |  |
|  | Carpentry/Pad Building |  |  | 10500 | 278890.26 |
| Helicopter |  |  |  |  |  |
|  | Qwest Helicopters | 87hours | \$1150/hour |  | 100050.00 |
|  | Bell Longranger/includes fuel |  |  |  |  |
| Fuel |  | 202barrels | \$203.75/barrel |  | 41528.00 |
|  |  |  |  |  |  |
| Camp Related |  |  |  |  |  |
|  | Campie/Carpenter \#1 | 30days | \$350/day |  | 10500.00 |
|  | Campie/Carpenter \#2 | 30days | \$350/day |  | 10500.00 |
|  | $\begin{aligned} & \text { Construction Supplies / } \\ & \text { lumber } \end{aligned}$ |  |  |  | 2400.00 |
| Catering Food Service |  |  |  |  | 23000.00 |
|  | Including Cook and supplies. |  |  |  |  |
| ACME Analytical |  |  |  |  | 962.32 |
|  |  |  |  |  |  |
| Report |  |  |  |  | 4500.00 |
| TOTAL |  |  |  |  | 534856.38 |

(1) amount includes all employee contributions.

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## GLOSSARY

Conversion Factors

| To Convert From | To | Multiply By |
| :--- | :--- | :--- |
| Feet | Meters | 0.305 |
| Meters | Feet | 3.281 |
| Miles | Kilometers ("km") | 1.609 |
| Kilometers | 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-colored 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 aluminum 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.
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.

## Bradford Minerals Explorations Ltd.

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I, George Coetzee, BSc (Hons) in Geology, hereby certify that I am working for Bradford Minerals Explorations Ltd. (that was contracted By Aries Resources Corp and Action minerals Inc).

1255 west Pender St
Vancouver, BC. Canada
V6E 2V1

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

I have worked as a geologist for a total of 24 years since my graduation from University.

I am responsible for the preparation of all the sections of the report titled assessment report on the Sox property under the supervision of John Kowalchuk P. Geol. I was on the property for $85 \%$ of the time while the mapping and the diamond drilling took place.

I had had no prior involvement with the property that is the subject of the assessment report.


George Coetzee, BSc. (Hons) in Geology

## APPENDIX A

## Claim Information

## Trident Copper Project Claim Information

| Tenure Number | Claim Name | Owner | $\begin{aligned} & \text { Map } \\ & \text { No. } \end{aligned}$ | $\frac{\text { Good To }}{\text { Date }}$ | $\frac{\text { GoodTo }}{\text { Code }}$ | Area |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 501462 | Sox | 124708. | 094 K | 2010/dec/31 | 20101231 | 253.727 |
| 545932 | MINER1 | 146886 | 094K | 2007/nov/26 | 20071126 | 404.841 |
| 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 | GRIZZLY 74 | 146886 | 094K | 2008/jan/18 | 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 | GRIZZLY 81 | 146886 | 094K | 2008/jan/18 | 20080118 | 406.332 |
| 525788 | GRIZZLY 82 | 146886 | 094K | 2008/jan/18 | 20080118 | 406.441 |
| 525789 | GRIZZLY 83 | 146886 | 094K | 2008/jan/18 | 20080118 | 406.5 |
| 525791 | GRIZZLY 84 | 146886 | 094K | 2008/jan/18 | 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 | GRIZZLY 89 | 146886 | 094K | 2008/jan/18 | 20080118 | 373.208 |
| 525799 | GRIZZLY 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/jan/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/jan/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 | 2008/jan/18 | 20080118 | 404.755 |


| 525823 | DIEPPE 55 | 146886. | 094K | 2008/jan/18 | 20080118 | 404.562 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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/mar/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/mar/23 | 20080323 | 425.613 |
| 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 | 202640. | 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/apr/08 | 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 | GRIZZLY 30 | 146886. | 094K | 2008/apr/20 | 20080420 | 425.845 |
| 511215 | GRIZZLY 31 | 146886. | 094K | 2008/apr/20 | 20080420 | 425.855 |
| 511217 | GRIZZLY 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/apr/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 |
| 511232 | GRIZZLY 39 | 146886. | 094K | 2008/apr/20 | 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 |


| 511247 | 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 |
| 511265 | GRIZZLY 55 | 146886. | 094K | 2008/apr/20 | 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/apr/20 | 20080420 | 410.013 |
| 511274 | GRIZZLY 62 | 146886. | 094K | 2008/apr/20 | 20080420 | 410.224 |
| 511275 | GRIZZLY 63 | 146886. | 094K | 2008/apr/20 | 20080420 | 426.847 |
| 511276 | GRIZZLY 64 | 146886. | 094K | 2008/apr/20 | 20080420 | 410.015 |
| 511436 | SOCRATES 20 | 146886. | 094K | 2008/apr/22 | 20080422 | 404.382 |
| 511439 | SOCRATES 21 | 146886. | 094K | 2008/apr/22 | 20080422 | 403.538 |
| 511441 | SOCRATES 22 | 146886. | 094K | 2008/apr/22 | 20080422 | 403.533 |
| 511443 | 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/apr/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. | 094K | 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 11 | 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 | 094K | 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 | 146886 | 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 | 2008/jun/28 | 20080628 | 422.197 |
| 515495 | DELANO 24 | 146886 | 094K | 2008/jun/28 | 20080628 | 422.181 |
| 515505 | DELANO 25 | 146886 | 094K | 2008/jun/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 | 146886 | 094K | 2008/jun/28 | 20080628 | 427.374 |
| 520527 | LYNDA3 | 146886. | 094K | 2008/jun/28 | 20080628 | 427.619 |
| 520528 | LYNDA4 | 146886. | 094K | 2008/jun/28 | 20080628 | 427.37 |
| 520529 | LYNDA5 | 146886. | 094K | 2008/jun/28 | 20080628 | 427.616 |
| 515811 | SOCRATES 56 | 146886. | 094K | 2008/jul/01 | 20080701 | 319.277 |
| 515813 | SOCRATES 57 | 146886. | 094K | 2008/jul/01 | 20080701 | 302.597 |
| 515816 | SOCRATES 58 | 146886. | 094K | 2008/jul/01 | 20080701 | 403.095 |
| 515817 | SOCRATES 59 | 146886. | 094K | 2008/jul/01 | 20080701 | 403.34 |
| 515818 | SOCRATES 60 | 146886. | 094K | 2008/jul/01 | 20080701 | 403.333 |
| 515819 | SOCRATES 61 | 146886. | 094K | 2008/jul/01 | 20080701 | 419.939 |
| 515820 | SOCRATES 62 | 146886. | 094K | 2008/jul/01 | 20080701 | 420.678 |
| 515821 | SOCRATES 63 | 146886. | 094K | 2008/ju/01 | 20080701 | 420.988 |
| 515822 | SOCRATES 64 | 146886. | 094K | 2008/jul/01 | 20080701 | 420.979 |
| 515823 | SOCRATES 65 | 146886. | 094K | 2008/jul/01 | 20080701 | 303.142 |
| 515824 | SOCRATES 66 | 146886. | 094K | 2008/ju/01 | 20080701 | 421.259 |
| 515825 | SOCRATES 67 | 146886. | 094K | 2008/jul/01 | 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/jul/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/jul/17 | 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 | 2008/jul/17 | 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 | LR11 | 146886. | 094K | 2008/jul/17 | 20080717 | 422.556 |
| 517892 | LR12 | 146886. | 094K | 2008/jul/17 | 20080717 | 422.77 |
| 517893 | LR5 | 146886. | 094K | 2008/jul/17 | 20080717 | 337.844 |
| 517894 | LR13 | 146886. | 094K | 2008/jul/17 | 20080717 | 372.052 |
| 517895 | LR14 | 146886. | 094K | 2008/jul/17 | 20080717 | 405.861 |
| 517898 | LR15 | 146886. | 094K | 2008/jul/17 | 20080717 | 405.854 |
| 517899 | LR16 | 146886. | 094K | 2008/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/jul/17 | 20080717 | 404.982 |
| 517928 | LR45 | 146886. | 094K | 2008/jul/17 | 20080717 | 404.983 |
| 517929 | LR46 | 146886. | 094K | 2008/jul/17 | 20080717 | 404.984 |
| 517930 | LR49 | 146886. | 094K | 2008/jul/17 | 20080717 | 405.191 |
| 517931 | LR47 | 146886. | 094K | 2008/jul/17 | 20080717 | 404.988 |
| 517932 | LR48 | 146886. | 094K | 2008/jul/17 | 20080717 | 421.843 |
| 517901 | LR18 | 200740. | 094K | 2008/jul/17 | 20080717 | 355.343 |
| 517902 | LR19 | 200740. | 094K | 2008/jul/17 | 20080717 | 422.98 |
| 517903 | LR20 | 200740. | 094K | 2008/jul/17 | 20080717 | 422.98 |
| 517904 | LR21 | 200740. | 094K | 2008/jul/17 | 20080717 | 422.978 |
| 517905 | LR22 | 200740. | 094K | 2008/jul/17 | 20080717 | 422.975 |
| 517906 | LR23 | 200740. | 094K | 2008/jul/17 | 20080717 | 422.973 |
| 517907 | LR24 | 200740. | 094K | 2008/jul/17 | 20080717 | 406.126 |
| 517908 | LR25 | 200740. | 094K | 2008/jul/17 | 20080717 | 406.247 |
| 517910 | LR27 | 200740. | 094K | 2008/jul/17 | 20080717 | 406.276 |
| 517911 | LR28 | 200740. | 094K | 2008/jul/17 | 20080717 | 406.276 |
| 517912 | LR29 | 200740 | 094K | 2008/jul/17 | 20080717 | 406.277 |
| 517913 | LR30 | 200740 | 094K | 2008/jul/17 | 20080717 | 406.274 |
| 517915 | LR32 | 200740 | 094K | 2008/jul/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/jul/17 | 20080717 | 423.679 |
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| 517921 | LR38 | 200740. | 094K | 2008/jul/17 | 20080717 | 423.678 |
| 517922 | LR39 | 200740 | 094K | 2008/jul/17 | 20080717 | 423.674 |
| 517923 | LR40 | 200740 | 094K | 2008/jul/17 | 20080717 | 406.945 |
| 537919 | RR1 | 200740 | 094K | 2008/jul/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/jul/27 | 20080727 | 421.738 |
| 537929 | RR9 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.712 |
| 537931 | RR10 | 200740 | 094K | 2008/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/jul/27 | 20080727 | 421.695 |
| 537940 | RR18 | 200740 | 094K | 2008/jul/27 | 20080727 | 421.695 |
| 537942 | RR19 | 200740 | 094K | 2008/jul/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/jul/27 | 20080727 | 421.463 |
| 537930 | AB03 | 202640 | 094K | 2008/jul/27 | 20080727 | 421.455 |
| 537934 | AB04 | 202640. | 094K | 2008/jul/27 | 20080727 | 303.8 |
| 537938 | AB05 | 202640. | 094K | 2008/jul/27 | 20080727 | 236.16 |
| 537941 | AB06 | 202640. | 094K | 2008/jul/27 | 20080727 | 403.725 |
| 537943 | GRIZZ 1 | 202640. | 094K | 2008/jul/27 | 20080727 | 424.721 |
| 537945 | GRIZZ 2 | 202640. | 094K | 2008/jul/27 | 20080727 | 424.716 |
| 537947 | GRIZZ 3 | 202640 | 094K | 2008/jul/27 | 20080727 | 424.713 |
| 537948 | GRIZZ 4 | 202640 | 094K | 2008/jul/27 | 20080727 | 424.71 |
| 537950 | GRIZZ 5 | 202640. | 094K | 2008/jul/27 | 20080727 | 424.727 |
| 537951 | GRIZZ 6 | 202640. | 094K | 2008/jul/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 | 2008/jul/27 | 20080727 | 424.926 |
| 537955 | GRIZZ 10 | 202640 | 094K | 2008/jul/27 | 20080727 | 407.904 |
| 538026 | PQ01 | 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/jul/28 | 20080728 | 386.932 |

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| 538048 | PQ06 | 200740. | 094K | 2008/jul/28 | 20080728 | 403.804 |
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| 538052 | PQ07 | 200740. | 094K | 2008/jul/28 | 20080728 | 202.02 |
| 538055 | PQ08 | 200740. | 094K | 2008/jul/28 | 20080728 | 420.353 |
| 538057 | PQ09 | 200740. | 094K | 2008/jul/28 | 20080728 | 403.802 |
| 538060 | PQ10 | 200740. | 094K | 2008/jul/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 | 2008/jul/28 | 20080728 | 402.599 |
| 538084 | PQ19 | 200740. | 094K | 2008/jul/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/jul/28 | 20080728 | 386.36 |
| 538092 | PQ24 | 200740. | 094K | 2008/jul/28 | 20080728 | 403.156 |
| 538096 | PQ25 | 200740. | 094K | 2008/jul/28 | 20080728 | 402.601 |
| 538025 | RR23 | 202640. | 094K | 2008/jul/28 | 20080728 | 421.45 |
| 538028 | RR24 | 202640. | 094K | 2008/jul/28 | 20080728 | 421.446 |
| 538031 | RR25 | 202640. | 094K | 2008/jul/28 | 20080728 | 421.441 |
| 538033 | RR26 | 202640. | 094K | 2008/jul/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 | 421.201 |
| 538043 | RR30 | 202640. | 094K | 2008/ul/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/jul/28 | 20080728 | 420.95 |
| 538053 | RR34 | 202640. | 094K | 2008/jul/28 | 20080728 | 420.944 |
| 538054 | RR35 | 202640. | 094K | 2008/jul/28 | 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/jul/28 | 20080728 | 269.267 |
| 538069 | RR42 | 202640. | 094K | 2008/jul/28 | 20080728 | 336.465 |
| 538071 | RR43 | 202640. | 094K | 2008/jul/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 | 2008/jul/28 | 20080728 | 419.908 |
| 538090 | RR53 | 202640 | 094K | 2008/jul/28 | 20080728 | 419.907 |
| 538093 | RR54 | 202640 | 094K | 2008/jul/28 | 20080728 | 419.905 |
| 538095 | RR55 | 202640. | 094K | 2008/jul/28 | 20080728 | 419.902 |
| 538097 | RR56 | 202640 | 094K | 2008/jul/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 | 2008/jul/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 | ANVIL04 | 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 | ANVILO7 | 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 |
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| 508545 | Grizzly 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 11 | 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 | 20080930 | 338.437 |
| 520652 | TOWER7 | 200103 | 094K | 2008/sep/30 | 20080930 | 338.596 |
| 520653 | TOWER8 | 200103. | 094K | 2008/sep/30 | 20080930 | 338.755 |
| 520701 | 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 | 2009/jan/17 | 20090117 | 423.475 |
| 511144 | GRIZZLY 7 | 146886. | 094K | 2009/jan/20 | 20090120 | 339.543 |
| 511147 | GRIZZLY 10 | 146886. | 094K | 2009/jan/20 | 20090120 | 339.697 |
| 510811 | MEDS 1 | 124708. | 094K | 2009/jan/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 | 146886. | 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 |
| X |  |  |  |  |  |  |


| 508469 | Gataga 17 | 146886 | 094K | 2009/mar/09 | 20090309 | 409.189 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 508470 | Gataga 18 | 146886 | 094K | 2009/mar/09 | 20090309 | 255.651 |
| 508471 | Gataga 19 | 146886 | 094K | 2009/mar/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/mar/09 | 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 |
| 508511 | 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 | Grizzly 2 | 146886. | 094K | 2009/mar/09 | 20090309 | 424.21 |
| 508554 | Delano 3 | 146886. | 094K | 2009/mar/09 | 20090309 | 423.961 |
| 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 | 269.851 |
| 508606 | Dieppe 9 | 146886. | 094K | 2009/mar/10 | 20090310 | 405.02 |
| 508607 | Dieppe 10 | 146886. | 094K | 2009/mar/10 | 20090310 | 405.021 |
| 508609 | Dieppe 11 | 146886. | 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 | 422.561 |
| 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/10 | 20090310 | 388.452 |
| 508645 | Dieppe 22 | 146886 | 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 |


| 511189 | 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 | LR31 | 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 | KEYX | 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 | 270.179 |
| 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 | Angel | 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://www.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/lJWDec03 ShultisRutledge.pdf

APPENDIX C
ASSAYS

group 6 - precious metals by fire assay from 1 A.t. sample, analysis by icp-es.
SAMPLE TYPE: DRILL CORE R150
Samples beginnimg 'RE' are Reruns and 'RRE' are Reject Reruns.
$\qquad$
Data 1 FA DATE RECEIVED: DEC 52006 DATE REPORT MAILED:...................



GROUP 7TX - 0.500 GM SAMPLE, 4 ACID (HF-HCLO4-HNO3-HCL) DIGESTION TO 100 ML, ANALYSIS BY ICP-ES/ICP-MS.
SAMPLE TYPE: DRILL CORE R150 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.
Data 1 FA $\qquad$ DATE RECEIVED
52006 DATE REPORT MAILED: . . . .
DEC. 15.2006


All results are considered the confidential property of the elient. Acme assumes the liabilities for actual cost of the analysis only.


## APPENDIX D

## Racing River Claims

| Claim Name | Grant Number District | Registered | Mining |
| :---: | :---: | :---: | :---: |
| bronson and Toro Properties (1) |  |  |  |
| Bronson | 501161 094K |  |  |
| 428 North | 501179 094K |  |  |
| Book 501201 | 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 | 508535094 K |  |  |
| 7 | 508537 094K |  |  |
| 8 | 508540 094K |  |  |
| 9 | 508771 094K |  |  |
| 10-11 | 511472-511473 094K |  |  |
| 12-13 | 511475-511476 094K |  |  |
| 14 | 511478094 K |  |  |
| 15 | 511480094 K |  |  |
| 16-17 | 511482-511483 094K |  |  |
| 18 | 511485094 K |  |  |
| 19 | 511488094 K |  |  |
| 20 | 511490094 K |  |  |
| 21-22 | 511619-511620 094K |  |  |
| 23 | 515490 094K |  |  |
| 24 | 515495 094K |  |  |
| 25 | 515505094 K |  |  |
| 26 | 515516 094K |  |  |
| 27-28 | 517636-517637 094K |  |  |
| 28 | 517639 094K |  |  |
| 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 | 508623 094K |  |  |
| 15 | 508627 094K |  |  |
| (1) optioned from Horst Klassen |  |  |  |
| Dieppe 16 | 508629 094K |  |  |
| 17 | 508633 094K |  |  |
| 17 | 508634 094K |  |  |
| 18 | 508636 094K |  |  |
| 18 | 508639 094K |  |  |
| 20 | 508642 094K |  |  |
| 21-22 | 508644-508645 094K |  |  |


| 23 | 508647 094K |
| :---: | :---: |
| 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 | 508691094 K |
| 38-40 | 508692-508694 094K |
| 41-42 | 508696-508697 094K |
| 43 | 508699 094K |
| 44 | 508704 094K |
| 45 | 511492094 K |
| 46 | 511494094 K |
| 46 | 511496094 K |
| 47 | 511498094 K |
| 48 | 511500094 K |
| 49 | 511600094 K |
| 50-52 | 511602-511604094K |
| 53 | 511614 094K |
| 54-55 | 525822-525823 094K |
| Gataga 1-2 | 508444-508445 094K |
| 508447094 K |  |
| 508449094 K |  |
| 508450-50845 | 094K |
| 8-11 50845 | -508457 094K |
| 12-13 50845 | -508460 094K |
| Gataga 14 | 508462094 K |
| 15 | 508464 094K |
| 16 | 508467 094K |
| 17-19 | 508469-508471 094K |
| 2050914 | 094K |
| 2151152 | 094K |
| 22-23 | 511522-511523 094K |
| 24-25 | 511525-511526094K |
| 26-32 | 511528-511534094K |
| 33-36 | 511536-511539094K |
| 37-38 | 511615-511616094K |
| 3951161 | 094K |
| Grizzly 1 | 508545094 K |
| 2 | 508550 094K |
| 4 | 508557 094K |
| 5 | 508560094 K |
| 6-11 | 511143-511148 094K |
| 12-13 | 511150-511151094K |
| 13 | 511153 094K |
| 14 | 511155094 K |
| 15 | 511157094 K |
| 16 | 511159 094K |
| 16 | 511160 094K |
| 17 | 511162 094K |
| 18 | 511165094 K |
| 19-20 | 511188-511189 094K |
| 21-23 | 511191-511193094K |
| 24 | 511195094 K |
| 25 | 511198094 K |
| 26-27 | 511200-511201 094K |

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    511203 094K
    511205 094K
    511212 094K
    511215 094K
    511217 094K
    511219 094K
    34 511220 094K
    35-36 511222-511223 094K
    37 511225 094K
    38 511228 094K
    39 511232 094K
    40-41 511235-511236 094K
    42 511242 094K
    43 511245 094K
Grizzly 44-45 511247-511248 094K
    46 511250 094K
    47-49 511252-511254 094K
    50 511256 094K
    51 511258 094K
    52 511260 094K
    53-54 511262-511263 094K
    55 511265 094K
    56-58 511267-511269 094K
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    65-72 518973-518980 094K
    73-76 525771-525774 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
    12508494 094K
    13 508497 094K
    14 508504 094K
    15-19 508506-508510 094K
    20 511436 094K
    21 511439 094K
    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
    zrates 45 511599 094K
        46 515464 094K
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47-49 515466-515468 094K
50-52 515470-515472094K
$53 \quad 515476094 \mathrm{~K}$
54515482094 K
$55 \quad 515485094 \mathrm{~K}$
$56 \quad 515811094 \mathrm{~K}$
$57 \quad 515813094 \mathrm{~K}$
58-68 515816-15826 094K
Toad 1508707 094K
2-3 508709-508710 094K
4511502094 K
5511505094 K
6511507094 K
7511509 094K
8-10 511511-511513 094K
11511515094 K
12-13 511607-511608 094K
14-15 511610-511611 094K
16511613094 K
17517407094 K
18517410 094K
Bronson and Toro Properties (1)
Bronson 501161 094K
428 North 501179 094K
Book 501201 094K
Toro 504869 094K
Muskwa Property

| Delano 1-2 | $508511-508512094 \mathrm{~K}$ |
| :---: | :--- |
| 3 | 5085150094 K |
| 3 | 508554094 K |
| 4 | 508521094 K |
| 5 | 508527094 K |
| 6 | 508535094 K |
| 7 | 508537094 K |
| 8 | 508540094 K |
| 9 | 508771094 K |
| $10-11$ | $511472-511473094 \mathrm{~K}$ |
| $12-13$ | $511475-511476094 \mathrm{~K}$ |
| 14 | 511478094 K |
| 15 | 511480094 K |
| $16-17$ | $511482-511483094 \mathrm{~K}$ |
| 18 | 511485094 K |
| 19 | 511488094 K |
| 20 | 511490094 K |
| $21-22$ | $51169-51620094 \mathrm{~K}$ |
| 23 | 515490094 K |
| 24 | 515495094 K |
| 25 | 515505094 K |
| 26 | 515516094 K |
| $27-28$ | $517636-517637094 \mathrm{~K}$ |
| 28 | 517639094 K |
| nieppe $1-4$ | $508597-508600094 \mathrm{~K}$ |
| $6-7$ | $50862-508603094 \mathrm{~K}$ |
| $8-10$ | $508605-508607094 \mathrm{~K}$ |

(1) optioned from Horst Klassen


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    26-32 511528-511534 094K
    33-36 511536-511539 094K
    37-38 511615-511616 094K
39 511618094K
    zzly 1 508545 094K
        2 508550 094K
        4 508557094K
        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
```

TWENTY-SEVEN CAPITAL CORP.- CLAIM LIST SEPTEMBER 6, 2006
Registered
Mining
Claim Name Grant Number District
Muskwa Property (cont'd)

| 18 | 511165094 K |
| :--- | :--- |
| $19-20$ | $511188-511189094 \mathrm{~K}$ |
| $21-23$ | $511191-511193094 \mathrm{~K}$ |
| 24 | 511195094 K |
| 25 | 51198094 K |
| $26-27$ | $511200-511201094 \mathrm{~K}$ |
| 28 | 511203094 K |
| 29 | 511205094 K |
| 30 | 511212094 K |
| 31 | 511215094 K |
| 32 | 511217094 K |
| 33 | 511219094 K |
| 34 | 51220094 K |
| $35-36$ | $511222-511223094 \mathrm{~K}$ |
| 37 | 511225094 K |
| 38 | 511228094 K |
| 39 | 511232094 K |
| $40-41$ | $511235-511236094 \mathrm{~K}$ |
| 42 | 511242094 K |
| 43 | 51245094 K |
| Grizzly $44-45$ | $511247-511248094 \mathrm{~K}$ |
| 46 | 511250094 K |
| $47-49$ | $511252-511254094 \mathrm{~K}$ |
| 50 | 511256094 K |
| 51 | 511258094 K |
| 52 | 511260094 K |
| $53-54$ | $511262-511263094 \mathrm{~K}$ |
| 55 | 51265094 K |
| $56-58$ | $511267-511269094 \mathrm{~K}$ |
| $59-64$ | $511271-511276094 \mathrm{~K}$ |
| $65-72$ | $518973-518980094 \mathrm{~K}$ |
| $73-76$ | $525771-525774094 \mathrm{~K}$ |
| 77 | 525780094 K |
| $78-80$ | $525783-525785094 \mathrm{~K}$ |

## TWENTY-SEVEN CAPITAL CORP.- CLAIM LIST SEPTEMBER 6, 2006 Registered Mining

lim Name Grant Number District
Muskwa Property (cont'd)
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
98525811094 K
99-101 525814-525816 094K
102525818 094K
103-104 525820-525821 094K
Socrates $1 \quad 508479094 \mathrm{~K}$
2508482094 K
2508483 094K
4-10 508484-508490 094K
11508492 094K
12508494 094K
13508497 094K
14508504 094K
15-19 508506-508510 094K
20511436094 K
21511439094 K
22511441094 K
$23 \quad 511443094 \mathrm{~K}$
24-27 511446-511449094K
28-38 511451-511461 094K
$39 \quad 511463094 \mathrm{~K}$
40-41 511465-511466 094K
42-44 511595-511597 094K
Socrates $45 \quad 511599094 \mathrm{~K}$$46 \quad 515464094 \mathrm{~K}$
47-49 515466-515468 094K
50-52 515470-515472 094K
$53 \quad 515476094 \mathrm{~K}$
$54 \quad 515482094 \mathrm{~K}$
$55 \quad 515485094 \mathrm{~K}$
$56 \quad 515811094 \mathrm{~K}$
57515813094 K
58-68 515816-15826 094K
TWENTY-SEVEN CAPITAL CORP.- CLAIM LIST SEPTEMBER 6, 2006
Registered Mining
Claim Name Grant Number District
Muskwa Property (cont'd)
Toad 1508707 094K
2-3 508709-508710 094K
4511502094 K
5511505094 K
6511507 094K
7511509094 K
8-10 $\quad 511511-511513094 \mathrm{~K}$

## APPENDIX E

DRILL AND GEOTECHNICAL LOGS
AZ: 104
DIP: -45
EL: 1632

DHS: 6 September 06
DHF: 9 September 06
Logged by: G.C., J.C., S.D. Teched by: G.C., J.C., S.D.
Notes: SX-06-01 was drilled to intercept both the John and Janet veins that are visible in the stream cut to the South.
Both the John and Janet veins are within the dyke. The upper contact of the John vein can not be seen due to core loss but its lower contact is at 27.43 meters.
The hole encountered the following lithologies starting from the top of the hole. A mudstone (shale), a dyke(I-Dyke?), shale with intercalated carbonate beds, and shale.
The Janet vein exists from 47.36-49.07 meters but was broken up by dyke material.
Both veins are quartz carbonate veins (dominated by quartz) that contain significant chalcopyrite and pyrite (up to 20\%)
The veins are 1 meter + in size (as seen in outcrop). Mineralization outside these two veins exists as trace pyrite and chalcopyrite.
This hole was drilled with core size AQTK inner dia. rods

## Final depth: 59.44 metres

G.C. = George Coetzee
J.C. = Jared Chipman
S.D. = Sean Derby
D.P. = David Peake
Drill Hole: sX06-01 Page 2
From: $1.52 \quad$ To: 18.29 m
Notes: Black to grey shale with beds os silt/clay within. Unaltered with quartz carbonate veining. Trace amounts of pyrite exist in veins and in seds (primary).
Lithology: Shale
Structure: well developed bedding that ranges from 15 to app. 55 deg TCA. Mostly shale with beds of silt/clay $.5-5 \mathrm{~cm}$ in size.
Alteration: Black to grey in colour, no silicification, un altered.
Veining: Quartz carbonate veining, less than $1 \%$ of rock. Small stringers at random orientations most are high angle though at app. 80 deg TCA .
along with larger blocky veins up to 5 cm
Larger veing gnerally contain more quartz. Veins follw bedding but also crosscut.
Mineralization: Mineralization is in trace amounts of pyrite, no chalcopyrite observered.

Lithology: Dyke
Notes: Dark to light green in colour, fine to medium grained
Appears to at least one secondary intrusion of material within dyke, alternates between fine and medium grained (these may be chill margins marking second intrusion within first).
Veining is quartz carbonate, smaller mm scale stringers along with some 15 cm veins. Both the John and Janet veins are hosted in this unit.
The veins show significant chalcopyrite and pyrite mineralization.
Mineralization outside John and Janet is restricted to a few veins and only appears in trace amounts.

Structure: Massive, fine to medium grained. Larger grains are plagioclase (speculed look). . Unit has numerous rubble zones and is fault contacted lower slate/carbonate unit. At least two episodes of intrusion defined by chill margins (alternating between fine and medium grained).

Alteration: Dark to light green in colour. Chlorite stringers abundant to section, mint green mineral within veins (may be chlorite?, not sure).
Veining: Several sets of quartz carbonate and exist as mm size stringers up to larger 15 cm veins (these larger veins are blocky and contain more quartz than the smaller veinlets which are predominantly carbonate).
Both the targeted John and Janet veins are hosted within this unit. The John vein has a lower contact at 27.43 meters (the upper contact cannot be determined due to core loss). The Janet vein exists from 47.36-49.07 meters but is broken up internally by dyke material. Both veins are 1 meter + in width (as seen in outcrop).
They contain the only significant mineralization in the hole, pyrite and chalcopyrite up to $20 \%$. Mineralization is trace in the rest of the veins but still exists as pyrite and chalcopyrite Some veins contain a mint green mineral Possibly chlorite?). Larger veins tend to be brecciated and all veins having no general orientation.

Mineralization: Mineralization is trace pyrite outside vein material, but exists as fine to medium grained pyrite and semi massive blebs of chalcopyrite.
Chalcopyrite is rare compared to pyrite outside the John and Janet veins.
Within the targeted veins semi massive chalcopyrite blebs exist up to 1 cm , while pyrite exists but not exclusive to small mm size stringers.

Drill Hole: SX06-01
Page 4
From: 46 To: 51.98

Notes: Prominent bedding app. perpendicular to TCA. Carbonate beds stand out as they are much coarser grained compared to seds.
Lithology: Shale with intercalated clay/silt and carbonate beds.
Structure: Clear presence of bedding 80-90 deg. TCA. Rock is more competent here than in previous section however rubble sections still exist.
Clay bands are narrow 1-2 mm in size with odd larger bed.
Alteration: Black to grey in colour, no alteration.
Veining: Quartz carbonate veining at random orientations. Veins and veinlets $1 \mathrm{~mm}-15 \mathrm{~cm}$ in size. Microfacturing seen and larger veins are blocky and brecciated.
Mineralization: Is trace pyrite and chalcopyrite t/o rock but increases to app. $1 \%$ in veins.
The Janet vein exists from 47.36-49.07 meters but is broken up internally by dyke material. Both veins are 1 meter + in width (as seen in outcrop).
They contain the only significant mineralization in the hole, pyrite and chalcopyrite up to $20 \%$. Mineralization is trace in the rest of the veins but still exists as pyrite and chalcopyrite.
Some veins contain a mint green mineral Possibly chlorite?). Larger veins tend to be brecciated and all veins having no general orientation.

Notes: Black to grey in colour unaltered shale, .
Lithology: Shale with intercalated silt/clay beds.
Structure: Clear presence of bedding that is now parrallel to sub parallel TCA. Beds appear to be younging up hole.
Alteration: No alteration, seds.
Veining: Less than $1 \%$ of rock quartz carbonate veining Mainly small carbonate veins, two larger ( $2-3 \mathrm{~cm}$ ) veins than contain most of the quartz. Mineralization: Trace pyrite $\ddagger /$. No visable chalcopyrite.

EOH $\quad 59.44 \mathrm{~m}$

Recovery and RQD

| From: | To: | Run Length REC |  | RQD |  | \%REC |  | AVG. REC(\%) |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: | :---: |
| 1.52 | 3.05 | 1.53 | 0 | 0 | 0.00 | 0 |  |  |
| 3.05 | 4.57 | 1.52 | 0 | 0 | 0.00 | 0 |  |  |
| 4.57 | 6.1 | 1.53 | 0.2 | 0 | 0.13 | 13 |  |  |
| 6.1 | 7.62 | 1.52 | 1.07 | 0.31 | 0.70 | 70 |  |  |
| 7.62 | 9.14 | 1.52 | 0.23 | 0 | 0.15 | 15 |  |  |
| 9.14 | 10.67 | 1.53 | 1.42 | 0.4 | 0.93 | 93 |  |  |
| 10.67 | 12.19 | 1.52 | 1.52 | 0 | 1.00 | 100 |  |  |
| 12.19 | 13.72 | 1.53 | 1.44 | 0.41 | 0.94 | 94 |  |  |
| 13.72 | 15.24 | 1.52 | 1.46 | 0.62 | 0.96 | 96 |  |  |
| 15.24 | 16.76 | 1.52 | 0.1 | 0 | 0.07 | 7 |  |  |
| 16.76 | 18.29 | 1.53 | 0.22 | 0 | 0.14 | 14 |  |  |
| 18.29 | 19.81 | 1.52 | 0.74 | 0.18 | 0.49 | 49 |  |  |
| 19.81 | 21.34 | 1.53 | 1.35 | 0.74 | 0.88 | 88 |  |  |
| 21.34 | 22.86 | 1.52 | 1.43 | 0.69 | 0.94 | 94 |  |  |
| 22.86 | 24.38 | 1.52 | 1.3 | 0.83 | 0.86 | 86 |  |  |
| 24.38 | 25.91 | 1.53 | 1.35 | 0.32 | 0.88 | 88 |  |  |
| 25.91 | 27.43 | 1.52 | 0.42 | 0.12 | 0.28 | 28 |  |  |
| 27.43 | 28.96 | 1.53 | 1.19 | 0 | 0.78 | 78 |  |  |
| 28.96 | 30.48 | 1.52 | 0.44 | 0 | 0.29 | 29 |  |  |
| 30.48 | 32 | 1.52 | 0.82 | 0.1 | 0.54 | 54 |  |  |
| 32 | 33.53 | 1.53 | 0.81 | 0 | 0.53 | 53 |  |  |
| 33.53 | 35.05 | 1.52 | 1.3 | 0.61 | 0.86 | 86 |  |  |
| 35.05 | 36.58 | 1.53 | 1.41 | 0.73 | 0.92 | 92 |  |  |
| 36.58 | 38.1 | 1.52 | 1.43 | 0.54 | 0.94 | 94 |  |  |
| 38.1 | 39.62 | 1.52 | 1.26 | 0.51 | 0.83 | 83 |  |  |
| 39.62 | 41.15 | 1.53 | 1.46 | 0.66 | 0.95 | 95 |  |  |
| 41.15 | 42.67 | 1.52 | 1.12 | 0 | 0.74 | 74 |  |  |
| 42.67 | 44.2 | 1.53 | 1.04 | 0 | 0.68 | 68 |  |  |
| 44.2 | 45.72 | 1.52 | 1.29 | 0.35 | 0.85 | 85 |  |  |
| 45.72 | 47.28 | 1.56 | 0.93 | 0.2 | 0.60 | 60 |  |  |
| 47.28 | 48.7 | 1.42 | 1.29 | 0.35 | 0.91 | 91 |  |  |
| 48.7 | 50.2 | 1.5 | 0.75 | 0.18 | 0.50 | 50 |  |  |
| 50.2 | 51.82 | 1.62 | 0.84 | 0 | 0.52 | 52 |  |  |
| 51.82 | 53.84 | 2.02 | 0.29 | 0 | 0.14 | 14 |  |  |
| 53.84 | 54.86 | 1.02 | 0.02 | 0 | 0.02 | 2 |  |  |
| 54.86 | 56.39 | 1.53 | 0.54 | 0 | 0.35 | 35 |  |  |
| 56.39 | 57.91 | 1.52 | 1.41 | 0.55 | 0.93 | 93 |  |  |
| 57.91 | 59.44 | 1.53 | 1.34 | 0.46 | 0.88 | 88 |  |  |
|  |  |  |  |  |  | 8 |  |  |

Note: RQD data may be affected drastically by core size (AQ).
59.44 m

Hole ID: SX06-01

| Sample\# | From: | To: | Length | CU\% |  |
| ---: | ---: | ---: | ---: | :--- | :--- |
| 465012 | 25.05 | 25.91 | 0.86 |  |  |
| 465013 | 25.91 | 27.43 | 1.52 | Chalco vein |  |
| 465014 | 27.43 | 28.52 | 1.09 | Chalco vein |  |
| 465015 | 44.2 | 45.72 | 1.52 |  |  |
| 465016 | 45.72 | 46.83 | 1.11 |  |  |
| 465017 | 46.83 | 47.35 | 0.52 |  |  |
| 465018 | 47.35 | 47.78 | 0.43 | Chalco vein |  |
| 465019 | 47.78 | 49.11 | 1.33 | Chalco vein |  |
| 465020 | 49.11 | 50.29 | 1.18 |  |  |
| 465022 | 27.43 | 27.43 | 0 | Standard \#1 |  |

## Page 1

| Drill Hole: SX06-02 | Claim: Sox | N: 6487149 | E: 355761 |  |
| :--- | :--- | :--- | :--- | :--- |
| AZ: 120 | DIP: -45 | EL: 1638 | DHS: 14 September 06 | DHF: 26 September 06 |
| Logged by: J.C. | Teched by: S.D. \& JC |  |  |  |

Notes: SX06-02 was drilled to intercept the extensions of the John and Janet veins on the southern side of the Sox stream. The hole only encountered one lithology, shale. The hole was abandoned prematurely at 83.82 meters and did not encounter any mineralization.

Final depth: 47.2m
J.C. = Jared Chipman

Drill Hole: SX06-02
Page 2
From: $0 \quad$ To: 13.72
Notes: Overburden with so incompetent = total core loss.

Notes: Entire hole is shale wih claylsilt beds, Foliation remains reletively constant t/o hole. Trace amounts of quartz cabonate veining (small veinlets). Trace pyrite that is localized as veinlets.

Lithology: Shale that alternates with clay/silt beds.
Structure: Bedding ranges from 35-50 deg. TCA. Moderate increase in bedding angle as you move down hole.
Amount of finer grained seds can be quite significant and in sections may be $50 \%$ of rock.
Alteration: Unaltered, tiny hint of chlorite in some quartz carbonate veining.

Veining: Trace amounts of quartz carbonate veining, mostly tiny veinlets, rare.
Mineralization: Fine grained disseminated pyrite that exists in stringers often associated with very tiny veinlets.
Medium to coarse euhedral grains also present in some areas. Some stringers appear to be replacing small beds and are up to 2 cm in size. Trace overall.
EOH 47.2m

Page 1

| Drill Hole: SX06-02 | Claim: Sox | N: 6487149 | E: 355761 |  |
| :--- | :--- | :--- | :--- | :--- |
| AZ: 120 | DIP: -45 | EL: 1629 | DHS: 14 September 06 | DHF: 26 September 06 |

Logged by: J.C. Teched by: S.D. \& JC
Notes: SX06-02 was drilled to intercept the extensions of the John and Janet veins on the southern side of the Sox stream
The hole only encountered one lithology, shale. The hole was abandoned prematurely at 83.82 meters and did not encounter any mineralization.
Final depth: 47.2 m

Drill hole SX06-02

From: (in Metres)

Core recovery and RQD Measurements

| Metres) | To: | Run Length | Core Recovery | RQD | \%REC AVG. REC(\%) |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 0 | 1.52 | 1.52 | 0.04 | 0 | 0.03 | 2.6 |
| 1.52 | 3.05 | 1.53 | 0.06 | 0 | 0.04 | 3.9 |
| 3.05 | 4.57 | 1.52 | 0.05 | 0 | 0.03 | 3.3 |
| 4.57 | 6.1 | 1.53 | 0.19 | 0 | 0.12 | 12.4 |
| 6.1 | 7.62 | 1.52 | 0.01 | 0 | 0.01 | 0.7 |
| 7.62 | 9.14 | 1.52 | 0.03 | 0 | 0.02 | 2.0 |
| 9.14 | 10.67 | 1.53 | 0.07 | 0 | 0.05 | 4.6 |
| 10.67 | 12.19 | 1.52 | 0.02 | 0 | 0.01 | 1.3 |
| 12.19 | 13.72 | 1.53 | 0.18 | 0 | 0.12 | 11.8 |
| 13.72 | 15.24 | 1.52 | 0.11 | 0 | 0.07 | 7.2 |
| 15.24 | 16.76 | 1.52 | 0.14 | 0 | 0.09 | 9.2 |
| 16.76 | 18.24 | 1.48 | 0.38 | 0 | 0.26 | 25.7 |
| 18.24 | 19.81 | 1.57 | 0.26 | 0 | 0.17 | 16.6 |
| 19.81 | 21.34 | 1.53 | 0.62 | 0 | 0.41 | 40.5 |
| 21.34 | 22.86 | 1.52 | 0.65 | 0 | 0.43 | 42.8 |
| 22.86 | 24.38 | 1.52 | 1.0 | 0.12 | 0.66 | 65.8 |
| 24.38 | 25.91 | 1.53 | 0.38 | 0 | 0.25 | 24.8 |
| 25.91 | 27.43 | 1.52 | 0.31 | 0 | 0.20 | 20.4 |
| 27.43 | 28.96 | 1.53 | 0.63 | 0 | 0.41 | 41.2 |
| 28.96 | 30.48 | 1.52 | 0.35 | 0 | 0.23 | 23.0 |
| 30.48 | 32 | 1.52 | 0.38 | 0 | 0.25 | 25.0 |
| 32 | 33.53 | 1.53 | 0.66 | 0 | 0.43 | 43.1 |
| 33.53 | 35.03 | 1.50 | 0.47 | 0 | 0.31 | 31.3 |
| 35.03 | 36.58 | 1.55 | 0.22 | 0 | 0.14 | 14.2 |
| 36.58 | 38.1 | 1.52 | 0.46 | 0 | 0.30 | 30.3 |
| 38.1 | 39.62 | 1.52 | 0.63 | 0 | 0.41 | 41.4 |
| 39.62 | 41.15 | 1.53 | 0.75 | 0.37 | 0.49 | 49.0 |
| 41.15 | 42.67 | 1.52 | 0.89 | 0.17 | 0.59 | 58.6 |
| 42.67 | 44.2 | 1.53 | 0.77 | 0 | 0.50 | 50.3 |
| 44.2 | 47.2 | 3.00 | 1.65 | 0 | 0.55 | 55.0 |

Note: Recovery and RQD results were negatively affected by the small core size (AQ).

| Drill Hole: Sx06-03 | Claim: Sox | N: 6487287 | E: 355820 | Final depth: 211.84 |
| :--- | :--- | :--- | :--- | :--- |
| AZ: 151 | DIP: -45 | EL: 1642 | DHS: Oct. 4th, 2006 | DHF: Oct. 18th, 2006 |
| Logged by: JC | Teched by: JC |  |  |  |

Notes: Drilled further down the limb of the fold structure than Sx06-01 in attempt to intercept the John and Janet vein at a greater depth.
The hole was drilled to a depth of 211.84 meters.
The only lithologies encountered were shale and dyke material
The shale contained clear bedding structures and alternated with with silt/clay beds.
Veining was quartz carbonate with larger veins being more quartz dominated.
Most veins were void of visable mineralization with only a few that contained pyrite mineralization.
Fine grained disseminated and sparse euhedral pyrite was encoutered in seds but of trace amounts with exception to one section that contained app. $.05 \%$ PY.

```
Drill Hole: Sx06-03
From: 10.67 To: 62.8
Notes: Black to grey in colour. Alternating bands of mud and clay (70-80% mud. Weak foliation starting at 20 deg.
Sharp upper contact with coarser grey bed at very start of section (20 deg. TCA)
```

Lithology: Shale with intercalated siltclay beds
Structure: Foliation starts at app. 20 deg. TCA, increases to 30 deg at 24.38 meters, that ranges from $45-55$ deg TCA through 59.44 meters.
Rock is often fractured along foliation. Rubble zone from 13.72-15.54 meters.
Fault with gouge and milled material at 21.64 , brecciated and fractured for app. 1.5 meters on either side of fault. Clay/silt beds range from $<1 \mathrm{~mm}$ to $2-3 \mathrm{~cm}$.

Alteration: Black to grey in colour. No alteration.

Veining: is quartz carbonate, mainly narrow stringers <1mm-1.5cm. Most follow foliation but some narrow veins run parallel TCA cross cutting the foliation.
Some larger $5-7 \mathrm{~cm}$ veins (brecciated) around fault at 21.64 meters, several sets seen here, Blocky veining cut by wormy smaller veins. One larger QC vein at 49.07 meters 10 cm in length Some of the larger QC veins have mint green mineral (?) within. Vein percentage is increases from less than $1 \%$ to $3 \%$ from 30.78-35.05.

Mineralization: Vein material void of mineralization, fine grain disseminated pyrite in seds (primary?), semi massive blebs, some mm size stringers. No chalco observed.

# Drill Hole: Sx06-03 

## Fr: 62.8 <br> To: 63.31

Notes: Medium grained intermediate to felsic dyke, no mag. Sharp upper contact, undulating lower contact at app. 45 deg TCA
Grey in colour. Contains app. $50 \%$ quartz carbonate veining. Both stringy and blocky veins, massive with no general orientation. Wormy chlorite mm size stringers within veining.
Lithology: Dyke

Structure: Massive, medium grained

Alteration: Grey in colour, unaltered with exception of wormy chlorite stringers generally less than 1 mm .
Veining: Quartz carbonate veining. $\mathbf{. 5 - 1 5 \mathrm { cm }}$ blocky veins. $50 \%$ of dyke.
Mineralization: No visible sulphides.

## Drill Hole: Sx06-03

From: 63.31 To: 76.86
Notes: Shale with clay/silt beds. Bedding is well defined but sporadic, 45-70 deg TCA.
Trace quartz carbonate veining (mostly carbonate) that is stringy, wispy and patchy, however some larger blocky veins do exist.
Rock is unaltered mostly back in colour with light grey finer beds. Mineralization is trace very fine grained pyrite blebs hosted in the shale.
Vein material is void of mineralization excluding chlorite stringers.

## Lithology: shale

Structure: Bedding at app 45 deg then steepens to 60 deg TCA at about 66.3 meters and remains fairly steep until end of section.
Rock has several competent sections but also has several rubble zones.
Zones are, at least some, related to faults. Fault with gouge at 70.35 meters ( 40 deg TCA).
Alteration: May be weak silicification for several meters around vein perimeters. Narrow wormy chlorite stringers (<1mm) within veins material, otherwise

Veining: Trace narrow sporadic quartz carbonate veining (mostly carbonate, and one 6 cm vein at 68.61 m ) until 76 meters where vein percentage picks u Veining here is large up to 15 cm blocky veins, still have stringers. The larger the vein the more the quartz carbonate ratio increases, stringers are mostl Larger veins contain chlorite stingers (<1mm).

Mineralization: trace very fine grained blebby pyrite seen only in seds, no chalco observed.

Drill Hole: Sx06-03
From: 76.86 To: 77.39

Notes: Massive quartz carbonate 60/40\% vein with angular shale inclusions. Narrow chlorite stringers within, no visible sulphides.
Lithology: QCV
Structure: Massive, blocky, angular shale inclusions.
Alteration: 60\% silica.
Veining: 98\% QCV
Mineralization: Trace, none visible.

## Drill Hole: Sx0u-U3

Notes: Shale with silt/clay beds. Black in colour, finer seds are light grey. May be small dyke at 99.36 meters (may be coarser seds).
Lithology: Shale
Structure: Bedding is often undulating and represents a stromatilite structure at 104.3m. Beds range from 45-70 deg. TCA.
Section is broken by several fault or rubble zones that have an associated increase in veining
Faulted and milled/rubble zone from $96.09-99.28 \mathrm{~m}$ that contains numerous faults with gouge. Rock has some dewatering structure still preserved, ie. flame structures?

Alteration: Some silicification around vein perimeters. Otherwise none.
Veining: From $77.39-87$ meters, $15 \%$ veining, large blocky quartz carbonate veins up to 15 cm , along with a sporadic network of carbonate dominated stringers.
Trace amounts of veining, small veinlets with one 5 cm vein from 87-95.65.
Vein \% increases to 15 from 95.65-100.5, veining here is associated with faulting and rubble zone.

Mineralization: Trace pyrite as fine grained disseminated blebs, no visible chalco

## Drill Hole: Sx06-03

From: 107.39 To: 107.8
Notes: Section defined by shear fabric seen in sediments.
Lithology: Shale
Structure: Shale with finer beds. Beds are undulating parallel TCA, then are sharply cut by small shear or fault at app. 45 deg TCA. Repeating pattern.
Alteration: Black to grey, unaltered.
Veining: Small stringers, <1mm that follow foliation, two 1 cm veins also exist.
Mineralization: Trace amounts of fine grained disseminated pyrite, rare. No chalco.

## Drill Hole: Sx06-03

## From: 107.8 To: 133.85

Notes: Shale with silt/clay beds. Shale is graphitic. Veining is quartz carbonate, mainly stringers with odd larger vein.
Veins have a distinct orientation some follow bedding while others are slightly shallower than bedding.
Mineralization is trace pyrite that occurs as fine disseminated and rare coarse grained euhedral crystals.
Small one meter carbonate section, grey to dark grey in colour, at end of unit that contacts dyke.

## Lithology: Shale

Structure: Bedding exists at app. 50 and 80 deg. TCA and often sharply truncates one another forming V-shaped patterns for the first meter of the section. Healed fault at 126.26 and 131.70 meters. Bedding is app. 75 deg TCA after the first meter and remains generally constant.

Alteration: Unaltered
Veining: Quartz carbonate veining that is trace and exists as narrow 1 mm size veinlets. Two or three $1-2 \mathrm{~cm}$ veins with one 4 cm vein.
Veins have distinct orientation that either follows bedding or is 10-15deg TCA shallower.
Vein \% increases slightly to (still less than one \%) near the end of the section, most likely associated with faulting and the intrusion forming the lower contact of the unit.

Some coarse grained euhedral pyrite grains $2-32 \mathrm{~mm}$ in size within veins but rare.

## Drill Hole: Sx06-03

From: 133.85 To: 149.24

Notes: Mafic to intermediate dyke (more mafic), increase in grain size towards middle of flow, grains are $1-2 \mathrm{~mm}$ here.
Abundant black stringers within, possibly chlorite but some don't easily scratch (silicified?).
Trace amounts of cloudy wispy calcite veining, no orientation.
No visible mineralization. Dyke appears to be intruding a small carbonate layer that exists for 1 meter before and at least two meters after (intermittent).
Lithology: Gabbro?
Structure: Massive, several small vein infilled and milled faults at 135.05 and 135.35 meters
Alteration: Abundant black stringy mineral, most likely chlorite that has been overprinted to increase hardness in places. Rock is dark green to green in colour.
Veining: Trace amounts of quartz carbonate and cloudy wispy calcite veins, no orientation. Some fault infilling veins.
Mineralization: No visible mineralization.

Notes: Shale with carbonate section for the first 2.5 meters. Strong presence at first then beds fade to patchy then disapear altogether.

## Lithology: Shale

Structure: Abundant faulting (with gouge) and fracturing. Bedding between 30-45 deg TCA. Fracturing exists primarily along bedding planes creating discs app 1 cm in width. Fault contacted lower contact with dyke
Increased quartz carbonate veining in this section, 20-30\% in places. Mineralization is trace pyrite, no chalco.
Alteration: Green chlorite stringers, chlorite?, within veins. Otherwise void.
Veining: Quartz carbonate veining. From 149.24-161.35 meters: 20-30\%. From 161.35-170.33: 3-5\%.
Sporatic cloudy whispy carbonate veining along with 1 mm size veinlets that both follow and crosscut bedding
Several large quartz carbonate veins, ex from 156.97-157.47 and from 160.79-161.31 meters. Larger veins have green mineral stringers within, chlorite?
Mineralization: Trace pyrite mineralization. Fine grained disseminated stringers with rare patches of coarse grained euhedral grains (up to 4 mm in size) No chalco.

Drill Hole: Sx06-03
From: 170.33 To: 173.05
Notes: Fine to medium grained massive intermediate dyke. Unaltered, veining is app. 1\%. No visible sulphides.
Lithology: Dyke
Structure: Massive, fine to medium grained, healed/milled fault at 172.48 meters.
Alteration: Light grey in colour.
Veining: Quartz carbonate veining, small 1-2mm stringers 50 deg TCA. Cloudy wispy veins, no orientation, and one larger blocky/wispy vein. Smaller veins appear to be mostly carbonate.

Mineralization: No visible sulphides.

## Drill Hole: Sx06-03

From: 173.05 To: 177.46

Notes: Black shale with narrow $2-3 \mathrm{~mm}$ equally spaced clay beds that range from 30 deg to 45 deg TCA. Narrow carbonate veins, no quartz. Trace pyrite, no chalco. Lithology: Shale

Structure: Patchy bedding at 45 deg TCA, 2-3 mm fine grained light grey beds spaced 1.5-2cm apart. Bedding shallows to 30 deg TCA at 174 meters.
Abundant micro-faulting.
Alteration: Black in colour. Unaltered.

Veining: Carbonate veining exists as small 1-3 mm veinlets (offset by micro-faulting) and as wispy stringy carbonate veins. 2-3\% overall.

Mineralization: Trace pyrite that exists as 1 mm euhedral grains present in some faint $\mathbf{2 - 3 m m}$ veins.

## Drill Hole: Sx06-03

From: 177.46 To: 178.53
Notes: Massive, fine to medium grained dyke. Grey in colour. Quartz carbonate veining, cloudy wispy veins along with veinlets, chlorite stringers, no visible sulphides.
Lithology: Dyke
Structure: Massive, fine to medium grained.
Alteration: Chlorite stringers.
Veining: Quartz carbonate veining, cloudy wispy veins along with wormy stringers, $2 \%$ overall.
Mineralization: No visible sulphides

Drill Hole: Sx06-03
From: 178.53 To: 185.46
Notes: Black to grey in colour, bedding and subsequent fracturing at 40 deg TCA.
Narrow quartz carbonate veins that also follow bedding planes, Pyrite mineralization, $.05 \%$, no chalco.
Lithology: Shale
Structure: Bedding at 40 deg TCA. Mostly shale with finer silt/clay beds. Fracturing along bedding planes.
Alteration: Black in colour with finer grey beds, unaltered.
Veining: Trace quartz carbonate veining that follows bedding planes at 40 deg. TCA, narrow veinlets, $1-4 \mathrm{~mm}$ in size.
Mineralization: $.05 \%$ pyrite that exists as fine grained stringers, medium to coarse blebby stringers, and as patchy fine grained blebs.

Notes: Dark grey to grey in colour, Massive , mostly fine grained, abundant sporadic fracturing that has often rehealed. Cloudy wispy veining with a few larger quartz dominated veins up to 6 cm . Trace pyrite.

Lithology: Dyke
Structure: Massive, mostly fine grained, abundant sporadic fracturing. Fault with gouge and angular rubble at 189.80 meters.
Alteration: Chlorite stringers, black in colour. First noted appearance of green patchy chlorite at 191.20.
Veining: Quartz carbonate veining, mostly cloudy wispy veins, a few larger competent veins, one 6 cm quartz dominated vein at 191.15 meters. No general orientation.
Mineralization: Trace pyrite only one or two medium sized grains seen within veining. No chalco.

Drill Hole: Sx06-03
From: 196.31 To: 211.34
Notes: EOH. Shale with prominent bedding, beds much more abundant in this section, much more finer grained material and beds are closer together at app. 30 deg TCA. Trace amounts of veining (majority is narrow <1mm carbonate veins). Trace fine grained pyrite stringers.

Lithology: Shale
Structure: Bedding at 30 deg. TCA and spaced $.5-1 \mathrm{~cm}$ apart in sections. Narrow beds then thick beds, not sure if cyclic or not.
Alteration: Black to grey in colour, unaltered.
Veining: Trace amounts of quartz carbonate (mostly carbonate) that exists as narrow stringers that are generally 5 deg shallower TCA then bedding.
Mineralization: Trace pyrite that exists as fine grained stringers.
EOH 211.34 m

SX06-03 Recovery and RQD

| From: | To: In m | Run Length | REC | RQD | AVG. REC(\%) |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 10.67 | 12.5 | 1.83 | 1.65 | 1.2 | 90 |
| 12.5 | 15.54 | 3.04 | 2.98 | 1.68 | 98 |
| 15.54 | 18.59 | 3.05 | 2.96 | 2.86 | 97 |
| 18.59 | 21.64 | 3.05 | 3.05 | 2.08 | 100 |
| 21.64 | 24.69 | 3.05 | 3.05 | 1.82 | 100 |
| 24.69 | 27.74 | 3.05 | 2.64 | 2.11 | 87 |
| 27.74 | 30.78 | 3.04 | 3.04 | 2.9 | 100 |
| 30.78 | 32 | 1.22 | 1.22 | 1.22 | 100 |
| 32 | 35.05 | 3.05 | 3.05 | 2.84 | 100 |
| 35.05 | 38.1 | 3.05 | 3.05 | 3.05 | 100 |
| 38.1 | 41.14 | 3.04 | 2.95 | 2.8 | 97 |
| 41.14 | 44.2 | 3.06 | 3.05 | 3.05 | 100 |
| 44.2 | 47.24 | 3.04 | 2.7 | 2.55 | 89 |
| 47.24 | 50.29 | 3.05 | 3.05 | 3.05 | 100 |
| 50.29 | 53.34 | 3.05 | 3.05 | 3.05 | 100 |
| 53.34 | 56.39 | 3.05 | 3 | 2.97 | 98 |
| 56.39 | 59.44 | 3.05 | 3.05 | 3.05 | 100 |
| 59.44 | 62.48 | 3.04 | 3.05 | 3.04 | 100 |
| 62.48 | 65.53 | 3.05 | 3.05 | 3.05 | 100 |
| 65.53 | 68.58 | 3.05 | 3.05 | 3.05 | 100 |
| 68.58 | 70.1 | 1.52 | 1.52 | 1.71 | 100 |
| 70.1 | 71.63 | 1.53 | 0.8 | 0.3 | 52 |
| 71.63 | 74.68 | 3.05 | 3.05 | 3.05 | 100 |
| 74.68 | 77.72 | 3.04 | 3.04 | 3.04 | 100 |
| 77.72 | 80.77 | 3.05 | 3.03 | 2.77 | 99 |
| 80.77 | 83.82 | 3.05 | 3.05 | 3.05 | 100 |
| 83.82 | 86.87 | 3.05 | 3.05 | 3.05 | 100 |
| 86.87 | 89.92 | 3.05 | 3.05 | 3.05 | 100 |
| 89.92 | 92.96 | 3.04 | 3.04 | 3.04 | 100 |
| 92.96 | 96.01 | 3.05 | 3.05 | 3.05 | 100 |
| 96.01 | 99.06 | 3.05 | 3.05 | 0.72 | 100 |
| 99.06 | 102.11 | 3.05 | 3.05 | 2.49 | 100 |
| 102.11 | 105.16 | 3.05 | 3.05 | 2.7 | 100 |
| 105.16 | 108.2 | 3.04 | 3.05 | 2.7 | 100 |
| 108.2 | 111.25 | 3.05 | 3.01 | 2.68 | 99 |
| 111.25 | 114.3 | 3.05 | 3.05 | 2.85 | 100 |
| 114.3 | 117.35 | 3.05 | 2.86 | 2.79 | 94 |
| 117.35 | 120.4 | 3.05 | 3.05 | 2.64 | 100 |
| 120.4 | 123.44 | 3.04 | 3.05 | 3 | 100 |
| 123.44 | 126.5 | 3.06 | 3.06 | 2.98 | 100 |
| 126.5 | 129.5 | 3 | 3 | 2.91 | 100 |
| 129.5 | 132.59 | 3.09 | 3.04 | 2.45 | 98 |
| 132.59 | 135.63 | 3.04 | 2.95 | 2.19 | 97 |
| 135.63 | 138.68 | 3.05 | 3.05 | 3.05 | 100 |
| 138.68 | 141.73 | 3.05 | 3.05 | 2.4 | 100 |
| 141.73 | 144.78 | 3.05 | 3.04 | 3.04 | 100 |
| 144.78 | 147.83 | 3.05 | 3.05 | 3.02 | 100 |
| 147.83 | 150.88 | 3.05 | 3.05 | 2.84 | 100 |
| 150.88 | 153.92 | 3.04 | 3.03 | 2.88 | 100 |
| 153.92 | 156.97 | 3.05 | 3.02 | 2.89 | 99 |
| 156.97 | 160.02 | 3.05 | 2.89 | 2.51 | 95 |
| 160.02 | 163.07 | 3.05 | 2.86 | 2.71 | 94 |
| 163.07 | 166.1 | 3.03 | 3.03 | 0.99 | 100 |
| 166.1 | 169.16 | 3.06 | 2.67 | 1.26 | 87 |
|  |  |  |  |  |  |


| From: | To: In m | Run Length | REC | RQD | AVG. REC(\%) |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 169.16 | 172.21 | 3.05 | 3.05 | 0.75 | 100 |
| 172.21 | 175.26 | 3.05 | 2.79 | 2.77 | 91 |
| 175.26 | 178.31 | 3.05 | 3.05 | 2.54 | 100 |
| 178.31 | 181.35 | 3.04 | 3.04 | 2.95 | 100 |
| 181.35 | 184.4 | 3.05 | 3.02 | 2.95 | 99 |
| 184.4 | 187.45 | 3.05 | 3.05 | 2.9 | 100 |
| 187.45 | 190.5 | 3.05 | 3.05 | 3.05 | 100 |
| 190.5 | 193.55 | 3.05 | 3.05 | 2.39 | 100 |
| 193.55 | 196.59 | 3.04 | 2.99 | 2.35 | 98 |
| 196.59 | 199.64 | 3.05 | 3.05 | 3.05 | 100 |
| 199.64 | 202.69 | 3.05 | 3.05 | 2.96 | 100 |
| 202.69 | 205.74 | 3.05 | 3 | 2.96 | 98 |
| 205.74 | 208.79 | 3.05 | 3.01 | 3.01 | 99 |
| 208.79 | 211.84 | 3.05 | 2.96 | 2.89 | 97 |


| Drill Hole: SX06-04 | Claim: Sox | N: 6487254 | E: 355844 | Final depth: 92.35 meters |
| :--- | :--- | :--- | :--- | :--- |
| AZ: 171.5 | DIP: -44.50 deg. | EL: 1639 m | DHS: Oct 23rd, 2006 | DHF: Nov. 1st Nov 2006 |
| Logged by: JC | Teched by: JC |  |  |  |

Notes: SX06-04 was drilled to intercept the john and Janet vein. The drill collar was placed almost directly west of the interpreted location of the john vein.
The drill hole was drilled at -45 degrees and did not encounter the John vein perhaps due to core loss, namely the Janet vein
The hole did encounter significant mineralization (chalco) within a quartz carbonate vein from 69.87-70.52 meters.
Most interesting is the fact that the only dyke material that was encountered was at the very top of the hole and extended for only a few meters,
There was no dyke material surrounding the Janet vein? like in SX06-01.
The main Lithology is shale and the drill hole was terminated at 92.35 meters after contacting the targeted Janet vein.

```
EOH

Drill Hole: SX06-04
From: \(0 \quad\) To: 9.42

Notes: Casing

Drill Hole: SX06-04
From: 9.42 To: 10.84
Notes: Faulted and rubble zone mixed with overburden, bedding evident, unknown orientation due to rubble.
Quartz carbonate veining within seds ( \(20 \%\) ). Trace amounts of pyrite within veins along margin (wall rock reaction). No chalco
Lithology: Shale
Structure: Faulted with rubble. Bedding evident, mud/sit/clay. Mixed with overburden.
Alteration: unaltered, black to grey in colour.
Veining: quartz carbonate veining, stringers and blocky veins. Lower contact of section is vein with sed clasts inclusions.
Mineralization: Trace pyrite, medium sized euhedral grains on vein margins.

\section*{Drill Hole: SX06-04}

Fr: 10.84 To: 17.04
Notes: Dark green to grey dyke, intermediate composition, plagioclase phenocrysts. Chlorite stringers.
\(5 \%\) quartz carbonate veining, stringers to larger blocky veins. Trace pyrite no visible chalco.
Lithology: Dyke
Structure: Massive, medium to fine grained, plag phenocrysts.
Alteration: Dark green to grey in colour, rare chlorite stringers, otherwise unaltered.
Veining: Quartz carbonate veining, \(.5 \%\). Small 1 mm stringers to blocky 13 cm veins. Larger veins often have dyke inclusions and are broken up.
Mineralization: Trace pyrite, 1 euhedral grain seen on vein margin.

\section*{Drill Hole: SX06-04}

From: 70.52 To: 92.35
Notes: Brecciated vein material at beginning of section but disapates shortly after milled fault at 70.98 meters.

\section*{Lithology: shale}

Structure: Bedding shallows and is sub-parrallel-25 deg TCA. Drill hole shallowing? Several prominent milled faults in section, section is fractured along bedding pla Shale with finer gray beds, black to gray in colour. Veining is quartz carbonate stringers and veinlets. Mineralization is trace pyrie, no visable chalco.

Alteration: Hits of chlorite in some of the larger veins. Optherwise none.
Veining: Veining is quartz carbonate app. \(5 \%\) of rock. \(95 \%\) of veining is small stringers and veinlets up to app. 1 cm in size One larger blocky vein ( 12 cm ) that contains angular sed clastsup tp 1 cm in size.

Mineralization: Trace pyrite, no visable chalco.
EOH \(\quad 92.35 \mathrm{~m}\)

\section*{SX06-04 Recovery and RQD}
\begin{tabular}{|c|c|c|c|c|c|}
\hline From: & To: & Run Length & REC & RQD & AVG. REC(\%) \\
\hline 9.42 & 10.06 & 0.64 & 0.64 & 0.32 & 100 \\
\hline 10.06 & 13.11 & 3.05 & 3.03 & 2.57 & 99 \\
\hline 13.11 & 16.15 & 3.04 & 3.02 & 2.87 & 99 \\
\hline 16.15 & 19.2 & 3.05 & 3.01 & 2.7 & 99 \\
\hline 19.2 & 22.25 & 3.05 & 3.08 & 2.99 & 101 \\
\hline 22.25 & 25.3 & 3.05 & 3.01 & 2.7 & 99 \\
\hline 25.3 & 28.34 & 3.04 & 3.01 & 2.89 & 99 \\
\hline 28.34 & 31.39 & 3.05 & 2.79 & 2.68 & 91 \\
\hline 31.39 & 34.44 & 3.05 & 2.99 & 1.99 & 98 \\
\hline 34.44 & 37.49 & 3.05 & 3.05 & 3.05 & 100 \\
\hline 37.49 & 40.53 & 3.04 & 3.18 & 2.86 & 105 \\
\hline 40.53 & 43.59 & 3.06 & 3.05 & 2.82 & 100 \\
\hline 43.59 & 46.63 & 3.04 & 3.05 & 2.65 & 100 \\
\hline 46.63 & 49.68 & 3.05 & 3.03 & 2.74 & 99 \\
\hline 49.68 & 52.73 & 3.05 & 3.05 & 2.61 & 100 \\
\hline 52.73 & 55.79 & 3.06 & 2.81 & 2.28 & 92 \\
\hline 55.79 & 58.83 & 3.04 & 2.96 & 2.46 & 97 \\
\hline 58.83 & 61.87 & 3.04 & 3.05 & 2.87 & 100 \\
\hline 61.87 & 64.92 & 3.05 & 2.95 & 1.89 & 97 \\
\hline 64.92 & 67.97 & 3.05 & 2.49 & 1.87 & 82 \\
\hline 67.97 & 72.02 & 4.05 & 4.05 & 2.49 & 100 \\
\hline 72.02 & 74.07 & 2.05 & 2.05 & 0.49 & 100 \\
\hline 74.07 & 77.11 & 3.04 & 3.05 & 2.59 & 100 \\
\hline 77.11 & 80.16 & 3.05 & 3.05 & 2.46 & 100 \\
\hline 80.16 & 83.21 & 3.05 & 3 & 2.28 & 98 \\
\hline 83.21 & 86.25 & 3.04 & 2.3 & 0.73 & 76 \\
\hline 86.25 & 89.31 & 3.06 & 2.42 & 1.7 & 79 \\
\hline 89.31 & 92.35 & 3.04 & 1.69 & 1.17 & 56 \\
\hline
\end{tabular}
92.35 m

EOH

Drill Hole: Sx06-04
Sampling
\begin{tabular}{|r|r|r|r|l|l|l|}
\hline Sample numbers & From: & To: & Length & Decription & & \begin{tabular}{l} 
Estimated \\
Cu\%
\end{tabular} \\
\hline & & & & & \\
\hline 465001 & 13.4 & 15.4 & 2 & & \\
\hline 465002 & 15.4 & 17.04 & 1.64 & & \\
\hline 465003 & 17.04 & 19.04 & 2 & & \\
\hline 465004 & 24.9 & 26.9 & 2 & & \\
\hline 465005 & 26.9 & 28.9 & 2 & & \\
\hline 465006 & 37.95 & 39.95 & 2 & & \\
\hline 465007 & 49.68 & 51.68 & 2 & & \\
\hline 465008 & 69.1 & 69.87 & 0.77 & Vein with sulphides & \\
\hline 465009 & 69.87 & 70.52 & 0.65 & Vein with chalc & \\
\hline 465010 & 70.52 & 71.02 & 0.5 & Vein with sulphides & \\
\hline 465011 & 71.02 & 71.99 & 0.97 & & \\
\hline 465021 & 70.52 & 70.52 & 0 & Standard \#2, \(076 \%\) Mo & \\
\hline & 0 & & \\
\hline
\end{tabular}
\begin{tabular}{lllll} 
Drill Hole: SX06-05 & Claim: Sox & N: 6487255 & E: 355845 & Final depth: \(: 79.78 \mathrm{~m}\) \\
AZ: 185 & DIP: & EL: 1639 m & DHS: 15th November 2006 & DHF: 29th November 2006 \\
\begin{tabular}{l} 
Logged by: \\
David Peake
\end{tabular} & Teched by: & & & \\
Notes: & David Peake & & &
\end{tabular}

Drill Hole: SX06-05
From: \(0 \quad\) To: 6.64
Notes: Casing

\section*{Drill Hole: SX06-05}

From: 6.64 To: 10.62
Notes: Overburben, rubble, and bedding. Fracturing of bedding near dyke contact. \(<1 \%\) veining throughout.
Lithology: Shale
Structure: Overburben and clay, silt bedding. Breccia apparent near veining.
Alteration: Little, if any alteration
Veining: \(\quad\) Minor amounts of quartz/carbonate stringers near contact and within faulting \(<1 \%\)
Mineralization: Trace mineralization within carbonate and sediments

Drill Hole: SX06-05
From: 10.62 To: 17.71
Notes: Dark green dyke, with quartz carbonate veining and chlorite stringers. Pyrite mineralization with minor traces of chalcopyrite in veining from 16.29-17.71 meters.
Lithology: Dyke
Structure: Massive, fine to medium grained plagioclase mineralization. Fracturing apparent near shale contact causing rubble.
Alteration: Dark to light green dyke material. Some chlorite stringers \(\sim 1 \%\)
Veining: \(\quad\) Quartz carbonate veining througout the dyke with < 1 mm stringers with a few larger, largest 6 cm . Some of the larger veins have assimilated dyke material.
Mineralization: Fine grained plagioclase, minor sulfate phenocrysts within veining and stringers throughout. Chlorite stringers throughout dyke, <1-2\%.
Most veins/stringers with sulfates occur past 16.29 m with higher concentrations of up to \(15 \%\) pyrite and \(<1 \%\) chalcopyrite of euhedral and subeuhedral crystal within veining Within whole rock, sulfates make up \(\sim 1 \%\).

\section*{Drill Hole: SX06-05}

\section*{From: \(17.71 \quad\) To: 71.87}

Notes:
Lithology: Shale
Structure: \(\quad\) From 17.71-26.75 meters bedding dark grey to black with 40-45 degree TCA with 1-2 cm thick beds. 26.75-30.27 meters high siliceous,
lower carbonate veining of micro fractures with bedding 60-65 degrees TCA. 30.27-40.54 contains black bedding with few veins (larger ones 1 cm ), faulting at 38.33 m with milling. 40.54-XXXXXXX extensive micro-fracturing/faulting filled with siliceous carbonate veining, 43.14 m has a 7 cm dyke material, the bedding varies from 60 degrees TCA nearer the 40 . then shifts to 30 degrees TCA around 46 m depth, fault milling occurring at 54.34 m at 40 degrees TCA.

Alteration: \(\quad\) Fracturing near dyke contact, veining tends to be high in silica \(\sim 90 \%\) and \(\sim 10 \%\) carbonate content.
Veining: \(\quad\) Veining varies for TCA, veining 9 cm to \(1 \mathrm{~mm},-2-3 \%\) of entire unit. 26.75-30.27 contains siliceous bedding with \(1 \mathrm{~mm}-5 \mathrm{~cm}\) veins. 40.54 micro fracturing and siliceous carbonate micro fracturing occurring

\section*{Mineralization}
```

Drill Hole: SX06-05
From:71.87 To: 72.92
Notes:
Lithology: Vein in shale
Structure: $\quad$ 30degrees TCA around 72 m depth

| Alteration: | Minor |
| :--- | :--- |
| Veining: | Quartz carbonate vein in shale (disseminated from 72.92-73.20 Not sampled) |
| Mineralization: | Well defined thin $+5-8 \mathrm{~cm}$ wavey chalcopyrite vein <br> The chalcopyrite as patches and disseminations near to the vein |

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Drill Hole: SX06-05
\(\square^{\text {From: } 72.92}\) To:79.78

Notes:
Lithology: Shale bedding dark grey to black with \(30-45\) degree TCA with \(1-2 \mathrm{~cm}\) thick beds.
Structure: 30degrees TCA

Alteration: None
Veining: none
Mineralization:
EOH 79.78 m

\section*{SX06-05 Recovery and RQD}
\begin{tabular}{|r|r|r|r|r|r|r|}
\hline From: & \multicolumn{2}{c}{ To: (in m) } & \multicolumn{1}{r|}{ Run Length } & REC & \multicolumn{2}{r|}{ RQD } \\
\hline 6.64 & 7.01 & 0.37 & 0.37 & 0.18 & AVG. REC(\%) \\
\hline 7.01 & 10.06 & 3.05 & 0.26 & 0.15 & 100 \\
\hline 10.06 & 13.11 & 3.05 & 3.03 & 1.93 & 9 \\
\hline 13.11 & 16.15 & 3.04 & 2.92 & 2.79 & 99 \\
\hline 16.15 & 19.2 & 3.05 & 2.33 & 1.77 & 96 \\
\hline 19.2 & 22.25 & 3.05 & 2.4 & 2.35 & 76 \\
\hline 22.25 & 25.3 & 3.05 & 2.88 & 2.88 & 79 \\
\hline 25.3 & 28.35 & 3.05 & 3.01 & 2.9 & 94 \\
\hline 28.35 & 31.39 & 3.04 & 3.35 & 2.38 & 99 \\
\hline 31.39 & 34.44 & 3.05 & 2.9 & 2.64 & 110 \\
\hline 34.44 & 37.49 & 3.05 & 3.05 & 2.63 & 95 \\
\hline 37.49 & 40.54 & 3.05 & 3.04 & 1.64 & 100 \\
\hline 40.54 & 43.59 & 3.05 & 2.93 & 2.93 & 100 \\
\hline 43.59 & 46.63 & 3.04 & 3.03 & 2.19 & 96 \\
\hline 46.63 & 49.68 & 3.05 & 2.88 & 1.99 & 100 \\
\hline 49.68 & 52.73 & 3.05 & 2.69 & 2.24 & 94 \\
\hline
\end{tabular}

Info misplaced from 52.72 to EOH ; To be finalized when geologist visits project later in year Recovery and RQD was measured for the mineralized vein for the assay calculations by George Coetzee; No coreloss ocurred in ore zone

\section*{Drill Hole: SX06-05}

Sampling
\begin{tabular}{|r|r|r|l|l|l|}
\hline \multicolumn{4}{|c|}{ Sample numbers From: } & Lo: & Estimated Cu\% \\
\hline 465023 & 71.87 & 72.92 & Description & 1.05 & Chalco vein \\
\hline 465024 & 72.92 & 74.3 & 1.38 & Chalco vein & \\
\hline 465025 & & & & Standard & \\
\hline
\end{tabular}
\begin{tabular}{lllll} 
Drill Hole: SX06-06 & Claim: Sox & N: 6487242 & E: 355843 & Final depth: \\
AZ: 171.5 & DIP: -46 deg & EL: 1643 & DHS: Dec 1, 2006 & DHF: 12 December 2006 \\
Logged by: JC & Teched by: JC & & & \\
Notes: & & &
\end{tabular}

SX06-06
From: \(0 \quad\) To: 9.52
Notes: Casing

\section*{SX06-06}

From: 9.52 To: 10.44

Notes: Shale that is black to light grey in colour, after app 10 meters it is broken up and cleaved, no distinguishable beds, Fairly homogenous. Small Quartz Carbonate stringers

Lithology: Shale
Structure: Broken with cleavage plains visible after app10 meters, Previous to this bedding is very hard to distinguish and appears to be more massive mus Very little clay, etc. Homogenous.

Alteration: Rock is mostly black in colour.
Veining: 34 deg TCA. Small stringers, carbonate dominated. Some \(.5-1 \mathrm{~cm}\) veins observed in rubble.
Mineralization: No visible sulphides observed.

\section*{SX06-06}

Fr: 10.44 To: 18.91
Notes: Fine to medium grained mafic dyke green to grey in colour. Visible plag. Quartz carb veining with black chlorite stringers.
Pyrite and possible chalcopyrite present, vast majority of mineralization is pyrite.
Lithology: Dyke, mafic in composition?
Structure: Massive, fine to medium grained, some vein breccia present. Upper contact on vein that in fills the shale and dyke margins, sharper lower contact at app. 50 deg TCA with shale.

Alteration: Dark green to grey in colour, black chlorite stringers present.
Veining: Quartz Carbonate veining that exists as stringers ( \(1-2 \mathrm{~mm}\) in size) and larger blocky quartz dominated veins \(3-5 \mathrm{~cm}\) in size.
Random orientations, some of the larger veins run sub-parallel TCA.
Mineralization: Pyrite and possible chalcopyrite, very little (trace) chalco if present, pyrite is up to \(1 \%\) in places (up to \(15 \%\) within quartz carb stringers) Pyrite is medium to coarse grained, some euhedral grains. Concentrated on wormy vein margins.

\section*{SX06-06 \\ rom: 18.91 To: 71.92}

Notes: Shale with smaller clay/silt beds of mm size 20-60 deg TCA. Black to grey in colour. Some silicification with zones of increased veining.
Mineralization is pyrite (trace), no chalco observed. Sections of increased veining related to increased porosity (grain size).
Lithology: Shale with smaller beds of siltclay

\section*{Structure: Thin mm scale beds of clay/silt amongst more massive beds of mud. Bedding is 60 deg TCA until 21.8 where it shallows to 30 deg TCA (after possible fault).}

Bedding ranges fro \(20-50\) deg from here on. Some larger more homogenous mud beds up to a meter thick. There are also some areas of slightly coarser seds ex. from \(26.88-29.47\).

\section*{Alteration: Sections of increased veining are weak to moderately silicified.}

Veining: From 18.91-26.88 veining is app. 1\% and exists as stringers and veinlets with one or two larger blocky quartz/carbonate veins up to 3 cm .
Some wispy more carbonate veins also exist. From 26.88 - 29.47 veining increases dramatically most likely associated with slight increase in grain size (porosity) to app. \(8 \%\) of the rock Veinlets up to 1 cm dominate section at random orientations. From 29.47-40.54 meters veining back down to app. \(1 \%\) and similar to 18.91-26.88

Mineralization: Trace pyrite, no chalco observed. Pyrite exists as fine grained disseminated blebs.

SX06-06
From: 72.63 To: 73.20

Notes: Blocky quartz carbonate vein with 8-10\% chalcopyrite mineralization.
Lithology: Quartz carbonate vein
Structure: Massive/blocky. Quartz dominated. Fault contacted with milled seds at 73.4
Alteration: Possible light green chlorite stringers (logged in dark)
Veining: 100\% vein
Mineralization: 8-10\% chalcopyrite mineralization, mineralization is patchy and network like (spider web).

\section*{SX06-06}

From: 73.20 To: 89.30 (EOH)
Notes: Shale with smaller mm size beds of siltclay trace chalco in faulted section app. 1 meter after vein. Trace pyrite \(t / 0\).
Lithology: shale
Structure: Milled fault at beginning of unit to 78.04 meters. Competent seds till end of hole. Bedding at 40 deg TCA. \(95 \%\) muds rest is silt/clay. Siltclay beds are narrow app. 1 mm in size.

Alteration: Black to grey in colour.
Veining: Quartz carbonate veins and veinlets
Mineralization: Trace pyrite \(t /\). Small specs (trace) of chalcopyrite following vein for app. 1 meter within milled or fault material.
EOH \(\quad 89.3 \mathrm{~m}\)
\begin{tabular}{|c|c|c|c|c|c|}
\hline \multicolumn{2}{|l|}{SX06-06} & \multicolumn{4}{|c|}{Recovery and RQD} \\
\hline From:
\[
0-9.52
\] & To: Casing & Length & REC & RQD & \%REC \\
\hline 9.52 & 10.06 & 0.54 & 0.54 & 0.23 & 100 \\
\hline 10.06 & 13.1 & 3.04 & 2.79 & 1.64 & 92 \\
\hline 13.1 & 16.15 & 3.05 & 3.13 & 2.71 & 103 \\
\hline 16.15 & 19.2 & 3.05 & 2.69 & 1.99 & 88 \\
\hline 19.2 & 22.25 & 3.05 & 3.05 & 2.54 & 100 \\
\hline 22.25 & 25.3 & 3.05 & 3.00 & 2.91 & 98 \\
\hline 25.3 & 28.35 & 3.05 & 2.87 & 2.36 & 94 \\
\hline 28.35 & 31.39 & 3.04 & 3.05 & 2.13 & 100 \\
\hline 31.39 & 34.44 & 3.05 & 3.05 & 2.75 & 100 \\
\hline 34.44 & 37.49 & 3.05 & 2.51 & 1.01 & 82 \\
\hline 37.49 & 40.54 & 3.05 & 2.68 & 1.88 & 88 \\
\hline \multicolumn{6}{|l|}{\multirow[t]{2}{*}{To be completed (no heat, core frozen) No coreloss in mineralized vein GC}} \\
\hline & & & & & \\
\hline
\end{tabular}

\section*{Sampling}
\begin{tabular}{|l|l|l|l|l|l|}
\hline Sample numbers From: & \multicolumn{1}{c}{ To: } & Length & Decription & Estimated Cu\% \\
\hline 465058 & 72.63 & & 73.2 & 0.57 & Chalco vein \\
\hline
\end{tabular}
\begin{tabular}{lllll} 
Drill hole SX06-07 & Claim: Sox & N: 6487167 & E: 355828 & Final depth: 37.49 \\
AZ: 274 & DIP: -50 deg & EL: 1641 & DHS: Dec 17, 2006 DHF: 18 December 2006 \\
Not Logged by:GC & Teched by: & & \\
Was only sampled. Camp closed down on the 19th of December; to be logged when return to project \\
\begin{tabular}{l} 
General geology is as follows \\
0 to 14 m shale \\
14 to 37.49 Dyke, no mineralization \\
37.49 m EOH
\end{tabular} & & & \\
\hline
\end{tabular}

Drill Hole: SX06-07
Sampling
\begin{tabular}{|r|l|l|l|l|l|}
\hline Sample numbers From: & \multicolumn{2}{l}{ To: } & Length & Description & Estimated Cu\% \\
\hline 465057 & 12.83 & 13.70 & 0.87 & Chalco vein & 1 \\
\hline
\end{tabular}```

