

Magtite Minerals Ltd. N.P.L.

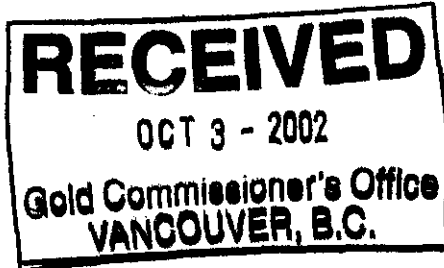
Box 880, Elkford, British Columbia V0B 1H0

Phone 250 865-2480

Fax 250 865-2053

L.H.M. [Larry] Fiss

Exploration/Mining Manager



Economic Evaluation

Of the

KIM Mineral Claims

Situated at:

**Latitude 51° 11' 30" N, Longitude 116° 22' 00" W
N.T.S. 82N/1W**

In the

Golden Mining Division

**Report Prepared for
Government of British Columbia
Mines Division**

In Response to:

Issues Raised from Kootenay Mining Division Regional Committee

March 14, 2000 and March 15, 2000

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

26,939

Magtite Minerals Ltd. N.P.L.

**Box 890, Elkford, British Columbia V0B 1H0
Phone 250 865-2480
Fax 250 865-2053**

**L.H.M. [Larry] Fiss
Exploration/Mining Manager**

SUMMARY

The KIM group of mineral claims is owned by Magtite Minerals Ltd. N.P.L. and is situated in the Moose Creek watershed, located 45 kilometers east of Golden, BC. The property is host to portions of the Ice River Complex and contains a number of geologically unique and economically significant features, including [but not limited to] extensive resources of industrial-quality titaniferous magnetite, a widely dispersed resource of ornamental sodalite, an enormous quantity of nepheline syenite, and an undefined deposit of possible ore-grade base and precious metals.

The KMDRC at a meeting on March 14, 2000 and March 15, 2000 expressed a required review of 3rd party expert to conduct an evaluation of the magnetite and sodalite deposit as to economic viability of these operations. S. B. Butrenchuk was recommended by MEM and asked to give his opinion on these properties. Mr. Butrenchuk visited the site with me on September 13, 2001. Mr. Butrenchuk did complete a report on the magnetite deposit [Report 26,663 dated September 30, 2001] but did not complete a report on the sodalite viability, as he did not feel competent to give an opinion on decorative stone. The costs of Mr. Butrenchuk's visit to the properties and days spent in consultation were not included in the above-mentioned report and are attached to this report.

With relevant information obtained I approached various decorative stone operators and reached the following assessment of what is the prudent means of further investigation to properly evaluate the sodalite deposit.

The area where this deposit is located is currently designated as "Special Management" and careful planning in this region must appreciate the other factors listed in the KMRDC minutes. Although the legislation giving the "right to access" is established to streamlining access issues, more information must be documented prior to developing

The sodalite development must adhere to intense scrutiny because of the location of the deposit so economic evaluations will be accomplished by non-mitigating access. This will allow for the introduction of value added products in the winter of 2002 and the removal of larger quantity of sodalite and evaluation of the boulders by blasting in the summer season of 2003.

Economic Evaluation

Of the

KIM Mineral Claims

INTRODUCTION:

To comply with requests from KMDRC meetings on March 14, 2000 and March 15, 2000 I contacted Steven Butrenchuck a recognized geologist to perform an economic evaluation of the Magnetite and Sodalite properties owned by Magtite Minerals Ltd. N.P.L. The ministry had requested a third party expert with recognized expertise in Industrial Minerals investigate these deposits and report on their economic viability. This was required before allowing ground access to the property. Mr. Butrenchuck did file his findings on the magnetite deposit but was uncomfortable in giving an opinion on the decorative stone. In our meetings he recommended that I approach various operations and get opinions from operators or marketing agents.

I have contacted over the last year many operators within North America and also had discussions with wholesale and marketing firms. One of the tiles produced from a sample processed by Margranite Industries, from a boulder sample, was displayed at the Las Vegas exposition by a tile wholesaler in the United States. There was much interest in the sample; however, there were also many questions about the quality and quantity of the source.

One of the wholesale distributors believed that the sample might be too porous but that is one of the characteristics of the sodalite and would require more sampling. This operator also mentioned that they had purchased and marketed many boulders from Brazil and if the boulders within this talus slope contain sufficient percentage of sodalite then he would like to assist in marketing the product.

In discussions with quarry operators in Vermont, New Hampshire and Tennessee they believe that the percentage of sodalite would have to exceed 15% of the polished surface. The way to determine this percentage is to have the large specimens cut and polished. I explained to them the logistic problems in removing the large boulders and also that there was three different contacts and types of boulders [Eddie report]. The operators said that the simplest means of doing an evaluation of the sodalite content of boulders from these deposits would be to sand blast the boulders and review the percentage in this way. One of the craft market operators in Rutland, Vermont reviewed the material and said that the value added use of decorative stone has created a large industry in this region.

Economic Evaluation

Of the

KIM Mineral Claims

LOCATION:

The KIM property is located within the Golden Mining Division, on NTS map sheet 82N1W at Latitude 51° 11'30" N, Longitude 116° 22' 00" W [see Location Map; Figure 1, following]. It is located within the headwaters of Moose Creek, occupying the western side of the valley. Its western boundary is shared with Yoho National Park. Moose Creek drains southward to the Beaverfoot Valley, which flows northwestward to the Kicking Horse River. The property is situated 45 kilometers east of Golden, BC and is accessible and is currently accessed by helicopter. Forest services roads reach within five kilometers of the property boundaries.

The property is located from elevation 1760m to 2700m, and consists of primary sub alpine scrub vegetation and talus. Lower elevations are forest-covered, with mature spruce and pine.

GEOLOGY:

Sodalite is found within the Kim C and Kim E claims. This is a brilliant blue-green material in large float rocks strewn across the talus slope with boulders up to 2m X 3m in size, indicating a large source area. To the west of the claims within Yoho National Park, Sodalite Creek flows westward from the Kim claim area, and suggests that sodalite material is abundant locally. Sodalite in float material that contains sedimentary wall rock is found to be at right angles to bedding planes. The presence of float laterally across the talus slope suggests that the sodalite occurs primarily in vein material, and is hosted by both sedimentary and igneous rocks. It is noted that float material which is located down slope from inferred sedimentary host appears to have a much more rich coloration than hosted by nepheline syenite.

In discussions with quarry operators and wholesalers they believe that the porous nature of these two types of intrusive sodalite may differ greatly and that both types of intrusive must be evaluated. In discussions with the secondary craft industry owners they believe that the intrusive from the sedimentary deposits may be extracted to create a viable market, while the ornamental stone from the syenite deposit may be less porous.

Tonnage calculations made by Addie [1990], suggest that over 6 million long tons of sodalite may be present in these two zones.

Economic Evaluation

Of the

KIM Mineral Claims

2001 PROGRAM:

The primary focus of the 2001 program was to gain an economic evaluation of the Magnetite and Sodalite deposits owned by Magtite Minerals Ltd. N.P.L. Steve Butrenchuk who was referred to the author by MEM accompanied the author. Access was gained by helicopter from Golden. Larry Dover and Ed Clemens were brought to the site from the end of the road to accompany Mr. Butrenchuk to expedite review of the properties. The reason for this is that the author has a heart condition and cannot maneuver at these high altitudes. The total cost of the 2001 exploration program was \$7,278.32, which includes \$1,200 identified in program for report 26,663.

CONCLUSIONS AND RECOGMENDATIONS

Reviewing information gained in discussion with quarry operators and marketing agents the quality of the deposit must be further investigated for stone product development. The potential for developing this deposit for local craft industry must also be investigated. To accommodate these investigations sampling and testing should be completed without the development of access roads and in seasons with minimal impact to the Grizzly population. With these perimeters in mind the following will be done:

1. In the fall of 2002 a small collection of sodalite material will be collected from the talus slope to prepare samples for the craft market. These samples will be taken by the author to ten trade shows to gauge the interest.
2. In July of 2003 a work schedule will be implemented to sand blast sodalite boulders of both sedimentary and igneous make-up to derive the percentage of sodalite in these boulders and to extract the blasted material for developing the craft market.
3. Two sodalite boulders of sedimentary and two sodalite boulders of igneous rocks weighing maximum load for helicopter will be removed for cutting and polishing.
4. Inventory and mapping of intrusive sodalite boulders of sedimentary origin to be completed
5. Inventory and mapping of intrusive sodalite boulders of igneous origin to be completed

Economic Evaluation

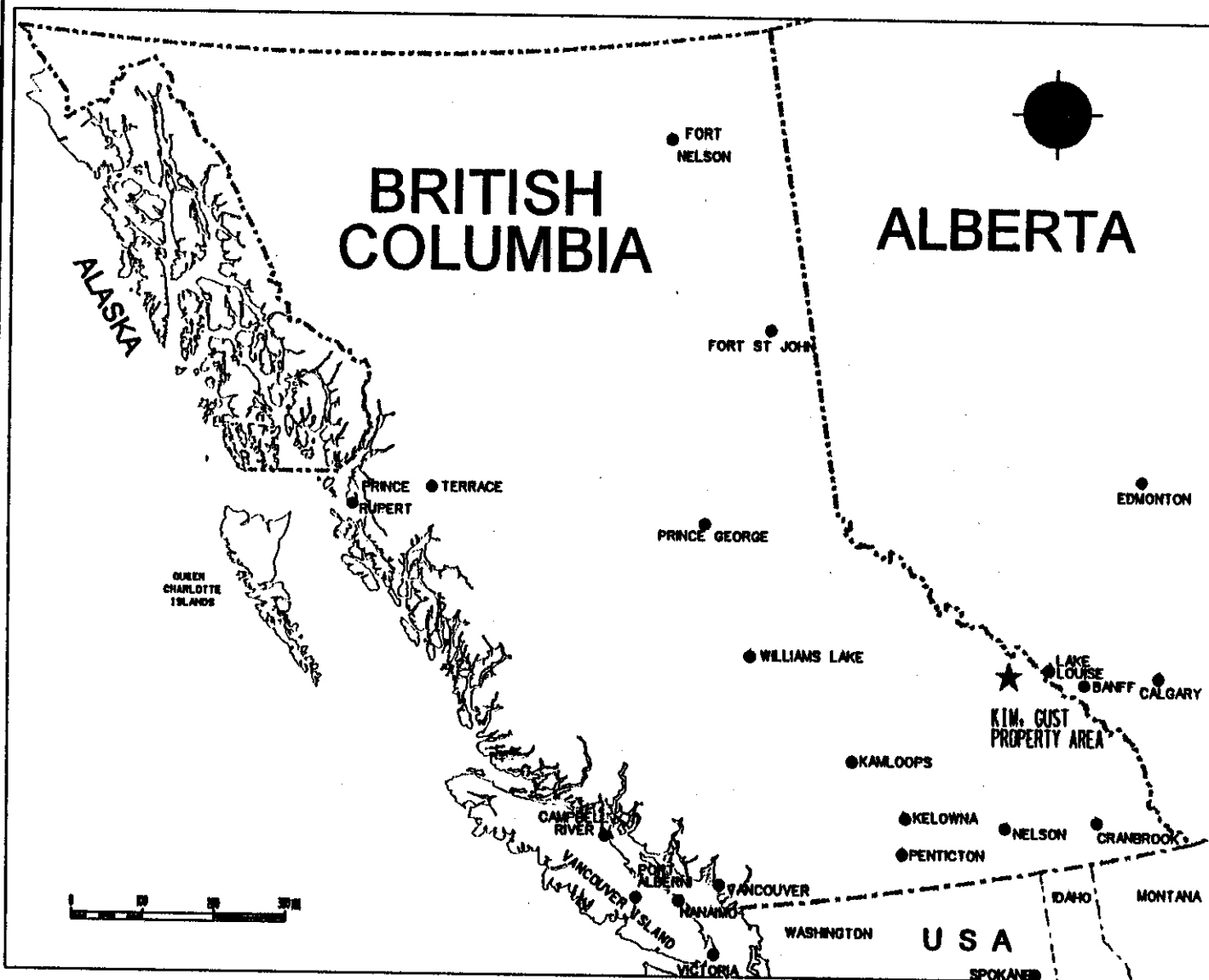
Of the

KIM Mineral Claims

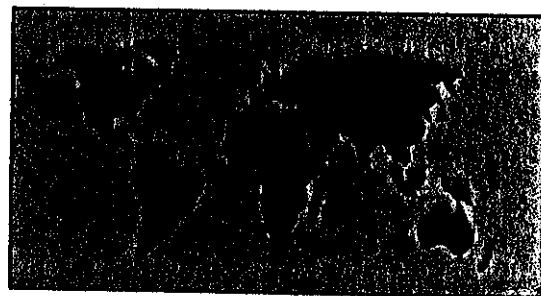
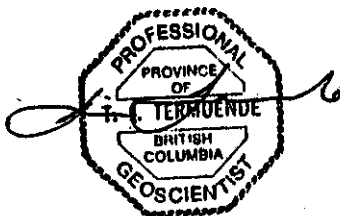
ATTACHMENTS:

1. Map of Location
2. Claims Map
3. Mineral Tenures
4. Letter KMDRC
5. Copy of Invoices
6. Markets- Sodalite Samples
7. Markets – Sodalite Spheres
8. Markets – Crafts Sodalite

KEY MAP



MAGTITE MINERALS LTD, NPL		
KIM, GUST CLAIMS PROPERTY LOCATION MAP		
MAPPED/DRAWN BY	APPROX. SCALE: 1:27,500,000	
FIG. 1	DATE: NOV/98	BY: BSM/W
TORLAT REOURCES INC		



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Mineral Titles Search by Owner

The mineral tenure information at this site was last updated on the morning of July 26, 2001.

Title Search by Owner

Name: Magtite Minerals Ltd. N.P.L.

Tenure Type: All

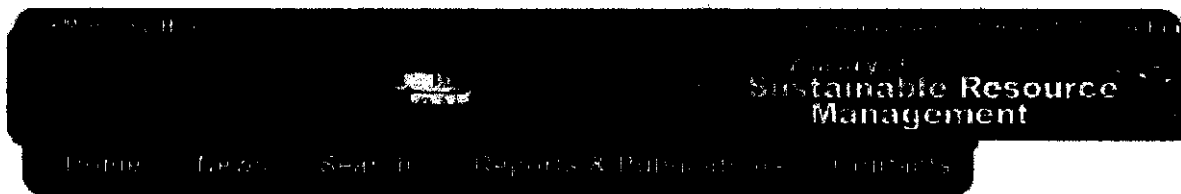
Standing: All

Tenures held by MAGTITE MINERALS LTD. N.P.L.:

There were 11 results.

Tenure Number	Claim Name	Owner Number	Map Number	Work Recorded To	Status	Mining Division	Units	Tag Number
329781	GUST #3	140824 100%	082N01W	20010812	Good Standing 20010812	6 Golden	1	601582M
329782	GUST #4	140824 100%	082N01W	20010812	Good Standing 20010812	6 Golden	1	601583M
329783	GUST #5	140824 100%	082N01W	20010812	Good Standing 20010812	6 Golden	1	601584M
329784	GUST #6	140824 100%	082N01W	20010812	Good Standing 20010812	6 Golden	1	601585M
329785	GUST #7	140824 100%	082N01W	20010812	Good Standing 20010812	6 Golden	1	601586M
329786	GUST #8	140824 100%	082N01W	20010812	Good Standing 20010812	6 Golden	1	601587M
330553	KIMB	140824 100%	082N01W	20000904	Forfeited 20000904	6 Golden	20	102718
331993	KIMC	140824 100%	082N01W	20011030	Good Standing 20011030	6 Golden	12	230889
366336	KIM E	140824 100%	082N01W	20011022	Good Standing 20011022	6 Golden	3	214275
366337	KIM D	140824 100%	082N01W	20011022	Good Standing 20011022	6 Golden	2	214274
372442	NEIL	140824 100%	082N01W	20011011	Good Standing 20011011	6 Golden	16	234154

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Mineral Titles Tenure Detail

Last updated April 30, 2002

Help

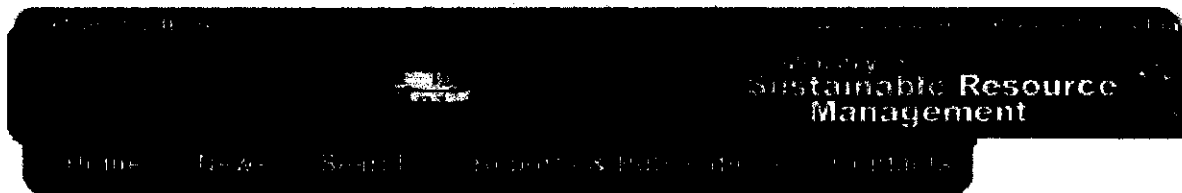
Tenure Number 366336

Tenure Type FOUR POST CLAIM
Old Tenure Number 366336
Tag Number 214275
Claim Name KIM E
Tenure Status GOOD STANDING 2002.10.22
Mining Division GOLDEN
Primary Map 082N01W-E
Secondary Maps
Area 3 UNITS
Owner(s) 140824 MAGTITE MINERALS LTD. N.P.L. 100%
Locator 141336 KLEMEN, EDWARD
Commenced 1998.10.22 13:45
Completed 1998.10.22 14:00
Issue Date 1998.10.22
Work Recorded To 2002.10.22
Pending Comments
Posts not Placed 7
Plotted On Map YES

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Mineral Titles Tenure Detail

Last updated April 30, 2002

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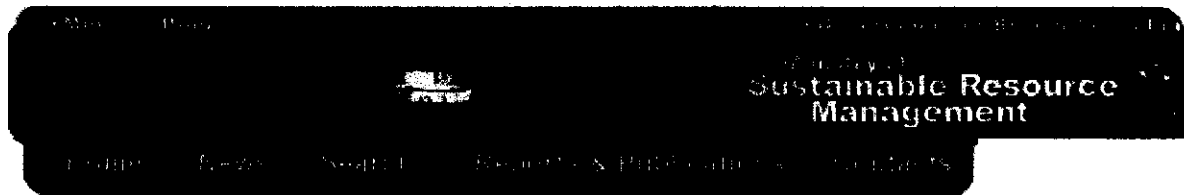
Tenure Number 366337

Tenure Type FOUR POST CLAIM
Old Tenure Number 366337
Tag Number 214274
Claim Name KIM D
Tenure Status GOOD STANDING 2002.10.22
Mining Division GOLDEN
Primary Map 082N01W-E
Secondary Maps
Area 2 UNITS
Owner(s) 140824 MAGTITE MINERALS LTD. N.P.L. 100%
Locator 141336 KLEMEN, EDWARD
Commenced 1998.10.22 13:45
Completed 1998.10.22 14:00
Issue Date 1998.10.22
Work Recorded To 2002.10.22
Pending Comments
Posts not Placed 5
Plotted On Map YES

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Mineral Titles Tenure Detail

Last updated April 30, 2002

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Tenure Number 366337

Tenure Type	FOUR POST CLAIM
Old Tenure Number	366337
Tag Number	214274
Claim Name	KIM D
Tenure Status	GOOD STANDING 2002.10.22
Mining Division	GOLDEN
Primary Map	082N01W-E
Secondary Maps	
Area	2 UNITS
Owner(s)	<u>140824</u> MAGTITE MINERALS LTD. N.P.L. 100%
Locator	<u>141336</u> KLEMEN, EDWARD
Commenced	1998.10.22 13:45
Completed	1998.10.22 14:00
Issue Date	1998.10.22
Work Recorded To	2002.10.22
Pending Comments	
Posts not Placed	5
Plotted On Map	YES

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Ministry of
Energy and Mines

Mines
Branch

MEMORANDUM

100 Cranbrook Street North, Cranbrook, British Columbia V1C 3P9 Telephone: (250) 426-1557 Fax: (250) 426-1652

File: 204-20/KMDRC
April 19, 2000

To: Government Agency Attendees
(distribution list attached)

KMDRC - Non-Coal Members
(distribution list attached)

RE: MINUTES OF THE KMDRC MEETING OF MARCH 14, AND MARCH 15, 2000

Please find attached a copy of the final minutes of the KMDRC meetings held in Invermere, March 14, 2000 and March 15, 2000.

You will be receiving copies of letters to the two proponents applying for work in the Moose Creek area with an attached compendium of agency comments that have been received to date. If your agency has not yet responded, please forward your comments and concerns directly to the proponent and copy myself.

Dennis Roach
Inspector of Mines

DR/vs

Encl. KMDRC Minutes

KOOTENAY MINE DEVELOPMENT REVIEW COMMITTEE

March 14, 2000

ATTENDANCE RECORD

	AGENCY	PHONE	FAX	EMAIL
Andrew Whale	MEM, Cranbrook	250-426-1653	250-426-1652	Andrew.Whale@gems6.gov.bc.ca
Steve Wuschke	MEM, Cranbrook	250-426-1655	250-426-1652	Steven.Wuschke@gems2.gov.bc.ca
Dave Grieve	MEM, Cranbrook	250-426-1656	250-426-1652	Dave.Grieve@gems6.gov.bc.ca
Dennis Roach	MEM, Cranbrook	250-426-1654	250-426-1652	Roach@gems3.gov.bc.ca
Berni Claus	Environment Canada	604-666-0268	604-6667-463	berni_claus@ec.gc.ca
Rod Pickard	Parks Canada	403-522-1222	403-522-1223	rod_pickard@pch.gc.ca
Derek Petersen	Parks Canada	250-343-6324	250-343-6758	derek_petersen@pch.gc.ca
Paul Galbraith	Parks Canada	250-347-2203	250-347-9980	paul_galbraith@pch.gc.ca
Jamie Fennell	Parks Canada	403-522-1255		jamie_fennell@pch.gc.ca
Doug Martin	MELP, Cranbrook	250-489-8548	250-489-8506	DOUG.MARTIN@GEMS7.GOV.BC.CA
Craig Dodds	MELP, Golden	250 344-7764	250-344-7553	CRAIG.DODDS@GEMS5.GOV.BC.CA
Brian Mallett	MoF - Columbia District	250-837-7625	250-837-7626	Brian.Mallett@gems9.gov.bc.ca
Darcy Monchak	MoF - Columbia District	250-344-7502	250-837-7626	Darcy.Monchak@gems4.gov.bc.ca
Bob Richkum	MoF - Columbia District	250-344-7538	250-837-7626	Bob.Richkum@gems5.gov.bc.ca
Don Wolfendon	Beaverfoot Lodge	252-344-7144	250-344-7190	beaverft@rockies.net
Larry Fiss	Magtite Minerals Ltd.	250-865-2480	250-865-2480	
Larry Dove				
Ed Klemen				

KOOTENAY MINE DEVELOPMENT REVIEW COMMITTEE - NON-COAL

PRESENT	AGENCY	PHONE	FAX	E-MAIL
Andrew Whale, Chair	MEM, Cranbrook	250-426-1653	250-426-1652	Andrew.Whale@gems6.gov.bc.ca
Rieva Rosentreter	MEM, Cranbrook	250-426-1657	250-426-1652	Rieva.Rosentreter@gems5.gov.bc.ca
Steve Wuschke	MEM, Cranbrook	250-426-1655	250-426-1652	Steven.Wuschke@gems2.gov.bc.ca
Ed Shaw	MELP, Cranbrook	250-489-8540	250-489-8506	Ed.Shaw@gems2.gov.bc.ca
Doug Martin	MELP, Cranbrook	250-489-8548	250-489-8506	Doug.Martin@gems7.gov.bc.ca
Mark Stroscher	MELP, Cranbrook	250-426-8522	250-489-8506	Mark.Stroscher@gems3.gov.bc.ca
Dwain Boyer	MELP, Nelson	250-354-6388	250-354-6332	Dwain.Boyer@gems3.gov.bc.ca
Carl Johnson	MELP, Nelson	250-354-6368	250-354-6367	Carl.Johnson@gems2.gov.bc.ca
Peter Jarman	MELP, Penticton	250-490-8247	250-492-1314	Peter.Jarman@gems1.gov.bc.ca
Tony Wideski	MoF, Cranbrook	250-426-1700	250-426-1777	Tony.Wideski@gems5.gov.bc.ca
Wayne Stetski	BC Parks, Kootenays	250-422-4200	250-422-3326	Wayne.Stetski@gems6.gov.bc.ca
Steve Whitingham	Parks Canada	250-347-2224	250-347-9980	Steve_Whitingham@pch.gc.ca
Stephen Sheehan	Environment Canada	604-666-0901	604-666-7463	Stephen.Sheehan@ec.gc.ca
Doug Rowland	DFO	604-666-7971	604 666-7907	Rowlandd@pac.dfo-mpo.gc.ca

III. DIRECTION ON MINERAL EXPLORATION

Presentation by Dave Grieve, MEM, (DG)

Questions and discussion follow:

Berni Claus inquires about the Mining Rights Amendment Act (MRAA) and review thresholds for exploration? Andrew Whale responds with an explanation that the MRAA is for exploration, and the Environmental Assessment (EA) Act is for large mining projects.

Doug Martin (MELP): Interjects that the Mining Rights Amendment Act is not without checks and balances. Rights of access are not automatically granted or guaranteed.

Berni Claus states that Moose Creek has high environmental values - and asks when will these be addressed?

AW responds that SW's discussion on MEM permit process will address those questions.

Rod Pickard, Parks Canada, asks if the IAMC Technical team had been given this Notice of Work to review. Dave Grieve answers that the IAMC tech team has only reviewed this proposal and one in Greenland Creek.

Derek Petersen, Parks Canada, makes reference to the road density exemption in Dave Grieve's handout. Dave Grieve answers that the temporary nature of exploration enables this.

Doug Martin asks what is the process during an enhanced referral? AW responds noting that an enhanced referral is not that much more different than a regular referral. The enhanced referral is often wider and has features like conducting pre-work inspections, engaging in interagency meetings such as this and talking to effected user groups (e.g. Water users in a community watershed). May involve referral type consultations with a broader range of government agencies and licensee stakeholders.

Berni Claus states that Federal Fisheries should get more Notice of Works. Doug Martin responds that the Provincial Environment Ministry works with DFO on contentious applications and information loops are set up. AW agrees.

Berni Claus asks how often is the public consulted during referrals. AW responds by saying almost never.

IV. AGENCY INTERESTS

Doug Martin, (MELP): With respect to the application we have concerns with grizzly bears, grizzly bear habitat (dens and feeding areas). Other species include goat and fisheries - we wish to see no negative downstream effects on Rainbow and Bull trout. It is not the mine itself but the access to the area. We wish to see a logical progression in the submission of applications. We do not want to see unorganized development in this area.

Darcy Monchak (MoF): When and if we log in Moose Creek (fibre to the mill) we want to expedite the logging and silviculture processes. Take approximately 2 years to conduct operations and avoid bear habitat in the spring. During and after operations we will maintain non-motorized access into the area at the same time restrict motorised access. Evans has done some preliminary road reconnaissance for the location of a log haul road. They will issue an Special Use Permit (SUP) to the proponents according to the Forest Practice Code (FPC). I believe Evans has not done any terrain mapping yet.

Doug Martin (MELP) interjects that the first motorized hunting access restriction in this region was on the Moose / Dainard complex.

Darcy Monchak goes on to say its not if, but when operations take place.

Ron Pickard asked do Special Management Zones make allowance for logging and mining?
AW answered yes.

Doug Martin states that at times it is difficult to determine what is so special about SMZ's.

Dave Grieve explains the concept of Special Management Zones and the Kootenay point of view.

Rod Pickard, Parks Canada: We wish to advance our mandate of Ecological Integrity (overhead presented). Moose / Dainard is a strategic area since it adjacent to both Parks. We also try to promote the visitor experience: e.g. the Rock Wall along with backcountry recreation. Moose Creek is important to maintain biological integrity. Kootenay and Yoho are small parks. Buffers around these parks are not promoted.

Derek Petersen: (text hand out) Parks are concerned about bears and fragmentation of bear habitat. There is a 500 metre zone of influence on either side of the highway which doesn't leave much out there.

Paul Gailbraith: Makes a comment that the applications may be raised to a higher administrative review and wishes to comment more on that later.

Berni Claus, Environment Canada: Made reference to sections of the federal *Fisheries Act*, that it applies to all of Canada, that it is illegal to harm fish habitat unless authorized in advance by DFO. Also no deleterious substance can be allowed to enter in fish bearing waters; no authorization is possible. If there is a harmful alternation, disruption or destruction of fish habitat (HADD), then one must apply for an authorization, this triggers CEAA. He stated that relevant information must be provided to DFO for them to make a determination. Bull trout are of special concern to DFO, to First Nations and are a species at risk. The proponent can often use good practices that can mitigate impacts.

Doug Martin, MELP, mentions that most exploration applications are handled by MELP. And asks what trigger will cause DFO to become involved on this project. Berni Claus responds that high public interest may cause DFO to become involved directly with the project.

The *Navigable Waters Protection Act* deals with navigation. If a water body/river is navigable, the NWPA applies and results in a CEAA trigger. Relevant information must be provided to the Coast Guard. The federal Minister of Environment can also invoke CEAA under provisions regarding transboundary impacts on federal lands. This is similar to a provision under BCEAA.

If CEAA is triggered for projects, there are three potential levels of review: 1) Screening level review; 2) Comprehensive Study, or 3) a Mediation or a Panel review. For this particular project, the review would likely be a Screening level review lead by DFO, or if there were significant impacts or significant public interest than a Panel could result. No work can commence prior to review.

A harmonization agreement exists between the BC Government and Canadian Federal Government. Accordingly, agencies from all levels of government would work together in a harmonized review. CEAA differs from the provincial BCEAA slightly, as issues of alternatives and cumulative effects are more thoroughly assessed. Regardless, we should not worry about

process too much. Regardless of review process, we should aim for quality review. A quality review would fit into any process.

The proponent has provided very little written information on project, environmental resources, impacts, etc. regarding this project. Berni Claus asks, have any studies been done on this project? AW answered no, that is the reason we are here today. Berni Claus mentioned we do not want things to happen in the absence of knowledge. A factual analysis of navigation issues, fisheries issues and significant trans-boundary Park issues will determine whether this project will lead to a review under the Canadian Environment Assessment Act (CEAA). We should anticipate this.

AW asked if this was necessary? Are bears in Moose Creek more vulnerable than in other areas of the province. Doug Martin responded that it is not the access, but the activity on the access which can cause the issues. Twenty trips on a tourist camp can cause issues.

V. MEM PERMIT PROCEDURES

Attached - Steve Wuschke hand out and overheads

VI. ACCESS CONCEPTS

Steve Wuschke: An "exploration trail" as defined in the MX Code may not be achieved in the Moose Creek drainage. Instead an "excavated trail" as defined in the Code will be the feature proposed and reviewed for an approval.

Darcy Monchak: When does a 3rd party expert conduct the required evaluation of the deposit? And who will decide if it's feasible after the 3rd party delivers the information including trail details.

AW: Usually MEM, but with the Feds involved (CEA process) that may change.

Don Wolfendon: Asked if we were discussing the mine or the exploration trail. AW responded by saying the trail only at this time. Went on to say that if a project is less than 75,000 tons is receives a regional review. Over that tonnage threshold and it goes to EA process.

AW asks can the proposed exploration work be accomplished on a trail? Is there an opportunity to "double use" the existing horse trail (currently in use by Wolfendon)

Berni Claus asks whether the present proponent has alternative means to carry out his current exploration trail project (such as using helicopter access) to avoid triggering the CEAA process. Can MEM provide options to the proponent and guide him.

Steve Wuschke noted there are three aspects that have to be evaluated: Quantity, quality and "saleability".

Don Wolfendon mentioned that he extracted 5000 lb. out of the deposit area a number of years ago.

Andrew Whale asks if we can explore other access options. We don't want two trails on the east side of Moose Creek.

Brian Mallot, (MoF): The proposed trail location is quite close to the road envisioned by Evans (small business).

Doug Martin mentions we can't have three accesses. (Wolfendon's, MX and Evans).

Andrew Whale clarifies by referring to the widening of Wolfendon's trail.

Don Wolfendon states that the idea is not really practical. Substantial cut and fills required to take machinery down a rambling pack horse route. Goes on to say he has concerns with the mining proponent's using camping spots with no facilities. Also goats are declining in numbers - but nobody knows why.

Brian Mallot states that other than timber volumes to be cut, MoF may have not a lot more to say to the proponent. All on-tenure construction will be covered under the MX code. All off-tenure construction will be covered under the FPC Act.

END OF MORNING SESSION

Appendices

- | | |
|---------------|---|
| Appendix I | Magnetite Minerals Overheads by Steve Wuschke |
| Appendix II | Slate Proposals Overheads by Steve Wuschke |
| Appendix III | Hand out by Dave Grieve - Direction on Mineral Exploration in SRMZs |
| Appendix IV | Overheads by Dave Grieve - Direction on Mineral Exploration in SRMZs |
| Appendix V | Hand out by DFO - Application Requirements for works or undertakings that can impact fish or fish habitats. |
| Appendix VI | Hand out by Parks Canada's Response on Moose Creek Access Management |
| Appendix VII | Hand out by Steve Wuschke - Mines Act Permitting Process |
| Appendix VIII | Overheads by Steve Wuschke - Permitting Process |

S. B. BUTRENCHUK

CONSULTING GEOLOGIST

INVOICE

Date: October 10, 2001
Invoice No.: SBB 01-10

Magtite Minerals Ltd.
Box 880
Elkford, B.C.
VOB 1H0


RE: Consulting Services

For professional services provided for the examination of the GUST mineral claims and completion of report for the same during the period September 1-30, 2001:

Salaries: 5 days @ \$400/day	\$	2,000.00
Truck: 1100 km @ \$0.50/km		550.00
Expenses as per attached		44.94
Per diem: 2 days @ \$35/day		70.00
G.S.T. on \$2,550		178.50

TOTAL: \$ 2,843.44

Thank you.


Stephen B. Butrenchuk

G.S.T. No.: 138014188RT

Perky's Food Systems Ltd.
 Box 880
 Elkford, B.C.
 V0B 1H0

Invoice

Invoice #: 0000089
 Date: 10/19/2001
 Ship Via:
 Page: 1

GST Registration #: 89833 1822
 PST Registration #:

B# To:

Ship To:

Magtie Minerals Ltd. N.P.L.
 Box 880
 Elkford BC V0B 1H0

Magtie Minerals Ltd. N.P.L.
 Box 880
 Elkford BC V0B 1H0

Description	Amount	Tax
3 Days @ \$400	\$1,200.00	G
Mobile Accomodation 1300 km @ \$0.50	\$650.00	G
Per diem 2 days @ \$35/day	\$70.00	G

Your Order #: MM-01-2001				Freight:		\$0.00	B
Shipping Date:				Terms: C.O.D.		GST:	\$134.40
CODE	PST RATE	AMOUNT	GST RATE	AMOUNT	SALE AMOUNT	PST:	\$0.00
G	0%	\$0.00	7%	\$134.40	\$1,920.00	Total Amount:	\$2,054.40
						Amount Applied:	\$0.00
Memo:						Balance Due:	\$2,054.40

Perky's Food Systems Ltd.
Box 880
Elkford, B.C.
VOB 1H0

Invoice

Invoice #: 00000090
Date: 10/19/2001
Ship Via:
Page: 1

GST Registration #: 89833 1822

PST Registration #:

Bill To:

Ship To:

Magfile Minerals Ltd. N.P.L.
Box 880
Elkford BC VOB 1H0

Magfile Minerals Ltd. N.P.L.
Box 880
Elkford BC VOB 1H0

Description	Amount	Tax
Helicopter Charter	\$1,180.48	G

Your Order #: MM-01-2001		Freight:		\$0.00	B		
Shipping Date:		Terms: C.O.D.		GST:	\$82.63		
CODE	PST RATE	AMOUNT	GST RATE	AMOUNT	SALE AMOUNT	PST:	\$0.00
G	0%	\$0.00	7%	\$82.63	\$1,180.48	Total Amount:	\$1,263.11
						Amount Applied:	\$0.00
Memo:						Balance Due:	\$1,263.11



Hangar #40
12021 - 121 Street
Edmonton, Alberta
Canada T5L 4H7
Fax 780 429-6917

PAID SEP 13 2001

INVOICE

Canadian Helicopters Limited. Tel 780 429-6900

FLIGHT DATE	DAY	MO.	YR.	P235915
	13	09	01	

CONTRACT NO. (IF APPLICABLE)	SUB. NO.	TYPE OF CONTRACT	AVC SUBSTITUTED
		<input checked="" type="checkbox"/> HOURLY <input type="checkbox"/> DAILY <input type="checkbox"/> 30 DAYS OR MORE	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

BASE NO.	BASE NAME	AIRCRAFT TYPE	AVC CALL	FLIGHT LOCATION	NON REV. TYPE
01615	GOLDEN	206 BIII	G10 KIE	GOLDEN	
CUSTOMER NAME AND ADDRESS				NAME	NUMBER
PERRY'S FOOD SYSTEMS LTD.				PILOT 1	3116812
RE: MAGTITE MINERALS				PILOT 2	
20880				ENG. 1	3117312
EUKFORD B.C.				ENG. 2	
ATTENTION TO				ENG. 3	
POSTAL CODE					
V0B 1H0					
TEL # 250-865-2480					
FAX #					
CUSTOMER NO.	P.O. NUMBER	SUB. ORDER NO.			

REMARKS	# LGGS	# MAX. FEES	# PASS	PASSENGER NAME	START	STOP	FLIGHT TIME
1. Y6E → Moose Pt LARRY & ED					1340		
2. → RECLE BACK END OF MOOSE CRK.							
3. SUTREE (2 TRIPS) 2 Px TO BACK END							
4. RE-POSITION TO NEW AREA.							
5. DROP OFF LARRY & ED →							
6. P/O LARRY & STEVE → Y6E.						1751	1.5
PAYMENT IS DUE UPON RECEIPT OF INVOICE. INTEREST WILL APPLY ON OVERDUE INVOICES.						TOTAL HOURS	1.5

AIRCREW EXPENSES (IF APPLICABLE)								TYPE OF WORK			
HOTEL	R/C	BREAK	R/C	LUNCH	R/C	SUPPER	R/C	Mineral Exploration			
PILOT 1								NON-REV. HRS.	REV. HRS.	DAILY RIMS	HOURS CHARGEABLE
PILOT 2									1.5	<input type="checkbox"/> DAILY <input checked="" type="checkbox"/> AVG'D	1.5
ENG. 1								CUSTOMER FUEL HRS/LTRS	TARIFF RATE	AMOUNT	
ENG. 2									650. ⁰⁰	\$ 975. ⁰⁰	
ENG. 3								OUR FUEL - LITRES			
TOTAL CREW EXPENSES								171 L • Y6E	75		128. ²⁵
EXTRA CHARGES DESCRIPTION								OUR FUEL - LITRES			
LANDING / NAV CANADA / AIRPORT FEES								OUR FUEL - LITRES			
SUB TOTAL								EXTRA CHARGES			
											1103. ²⁵
											77. ²³

Customer acknowledges and agrees that the carriage of customer's baggage and cargo Canadian Helicopters is subject to the terms, conditions and limitations of liability in its tariff, a copy of which is available at the office of Canadian Helicopters. Liability for loss or damage to baggage and cargo is limited to \$1.00 per kilogram. Canadian Helicopters shall have no further liability whatsoever.

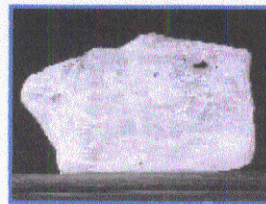
G.S.T. TAX NO.: 888699814-RT001
TOTAL ▶ \$ 1180.⁴⁸
 SIGNED FOR CARRIER: [Signature] THANK YOU!

[Minerals](#) | [By_Name](#) | [By_Class](#) | [Silicates](#) | [Sodalite](#)

Sodalite Specimens

This list can be limited to [available items only](#).

This is a partial listing. See the [First Page](#) (*newest specimens*)

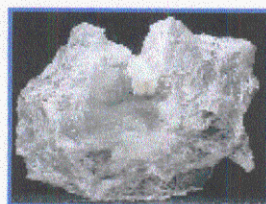
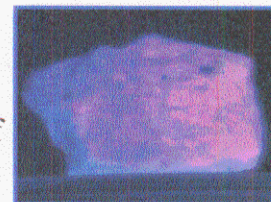


SOD-4, \$45.00 *Sold!*

Dims: 3.0 x 2.1 x 1.0" (7.7 x 5.3 x 2.6 cm) *Wt:* 4.42 oz. (125.2 g) *Loc:* Davis Hill area, Bancroft, Ontario, Canada

This hand specimen consists of a piece of "Hackmanite", a variety of Sodalite. It is massive and basically white in color, though a few areas show a definite pink tinge. This pink tinge is actually caused

by exposure to shortwave ultraviolet light, and will likely fade in white light. While bathing the piece in UV light, it glows a bright pink color.



SOD-3, \$130.00

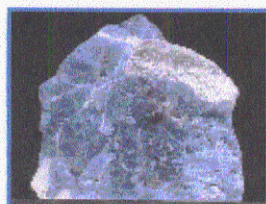
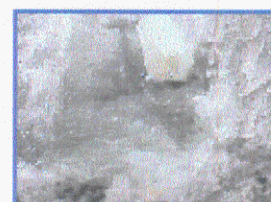
40% Discount - Sale Price \$78.00

Dims: 2.5 x 1.8 x 1.6" (6.4 x 4.6 x 4.1 cm) *Wt:* 3.73 oz. (105.7 g) *Loc:* Mount Saint Hilaire, Quebec, Canada

I have never seen a Sodalite piece like this before- our

documentation states that it is a variety called **Hackmanite**. The

piece consists of a gray-white host material on which rest many small, sharp crystals. These crystals are rather heavily intergrown in some areas, but are generally in very good condition, showing little damage. Their bladed form definitely does not seem to correspond to the cube-based structure of Sodalite, so maybe the base material is the Hackmanite. This base material contains many indeterminate, tiny black crystals and several broken bits of some equally tiny violet crystals that appear to glow a pale yellow-white under longwave UV light. What is so odd is that none of the material resembles regular Sodalite in any way, especially in color- it is colorless or a gray-white, as opposed to the deep blue of the more common material. I think that I will have to do a few basic tests on this piece, or maybe see if someone at a nearby university can help me... it is very enigmatic.



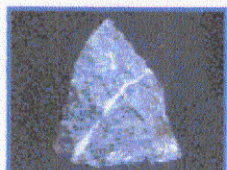
SOD-2, \$110.00 *Sold!*

A

Dims: 2.6 x 2.6 x 1.0" (6.6 x 6.6 x 2.5 cm) *Wt:* 3.90 oz. (110.7 g) *Loc:* Cerro Sapo, Cochabamba Department, Bolivia

Though not in a definite, isometric-based crystal form, this specimen shows more crystalline form and tendencies than any I have previously seen. It consists of a chunk of

blue Sodalite with associated barite and ankerite, and has one cut surface. The surface of the Sodalite is divided up into many smaller, flat surfaces that are too flat and clean to be anything but crystalline. There is even one small surface that shows a definite angle which I believe indicates a twinning plane! It has the classic pale azure-blue coloration of its species, and is dimly translucent around its edges under normal light. Besides the barite and the ankerite, there is no other material present.



SOD-1, \$30.00 *Sold!*

Dims: " x " x " *Wt:* oz. *Loc:* M.G., Brazil

This was a partial listing. See the [First Page](#) (*newest items*)

This list can be limited to [available items only](#).

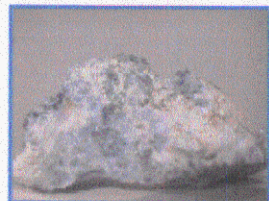
Would you like to be notified when additional specimens are available? [Yes](#)

[Minerals](#) | [By_Name](#) | [By_Class](#) | [Silicates](#) | [Sodalite](#)

Sodalite Specimens

This list can be limited to [available items only](#).

This is a partial listing. See the [Next Page](#) (*earlier specimens*)



SOD-8, \$30.00

[Order](#)

10% Discount - Sale Price \$27.00

Dims: 4.3 x 2.1 x 1.9" (10.9 x 5.3 x 4.8 cm) *Wt:* 7.3 oz. (208 g) *Loc:* (undetermined)

The feldspathoid matrix of this cabinet piece holds countless crystals and/or grains of Sodalite. These bits do not generally exceed 0.3" (8 mm) in diameter and appear to show definite crystal faces, as sodalite tends to have poor cleavage. All have a color that ranges from gray to pale blue to deep blue, and their luster is generally pearly. Some of the more exposed Sodalites that line open crevices have the deepest blue color and appear to be nearly transparent. They may well be accompanied by other feldspars or related minerals.



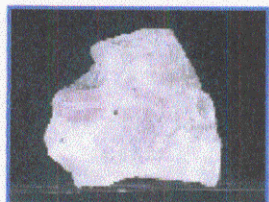
SOD-7, \$35.00

[Order](#)

10% Discount - Sale Price \$31.50

Dims: 3.1 x 2.8 x 2.5" (7.9 x 7.2 x 6.3 cm) *Wt:* 11.2 oz. (319 g) *Loc:* (undetermined)

This rather odd cabinet specimen consists of a large chunk of a white feldspathoid matrix in which rest countless small crystals or nodules of Sodalite. All have a color that ranges from deep blue to gray and a pearly luster. Some definite, flat faces are visible. As this mineral has only poor cleavage that is not often seen, I am relatively sure that these are crystalline faces; examination with a loupe substantiates the previous statement. Some of the tiny crystals that line open crevices even show translucence or dim transparency.



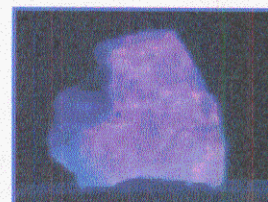
SOD-6, \$32.00 **Sold!**

Dims: 1.5 x 1.4 x 0.6" (3.8 x 3.5 x 1.6 cm) *Wt:* 20.5 g *Loc:*

Davis Hill area, Bancroft, Ontario, Canada

This large thumbnail specimen consists of a chunk of massive Hackmanite, a variety of Sodalite. It has a very noticeable pink coloration in one area that fades to white at the opposite end of the

piece. When exposed to longwave UV light, it glows a rather bright pink-red coloration. Such exposure is the cause for its pink color- this color may fade in sunlight, but indoor lighting seems to have little effect on it. It is the only piece that I have seen so far where the color change from white to pink has lasted for more than 3 hours.



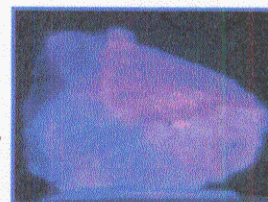
SOD-5, \$39.00 **Sold!**

Dims: 2.9 x 2.0 x 1.1" (7.3 x 5.2 x 2.9 cm) *Wt:* 3.61 oz. (102.5

g) *Loc:* Davis Hill area, Bancroft, Ontario, Canada

A chunk of massive Hackmanite, a variety of Sodalite, makes up this specimen. It has a white color and a rather dull, waxy luster and is translucent at best, but glows a rather bright pink-red color when

exposed to longwave UV light. Exposure to UV light will also give the Hackmanite a noticeable pink coloration that will fade rather quickly in white light. However, this phenomenon can be reproduced again and again!



This was a partial listing. See the [Next Page](#) (*earlier items*)

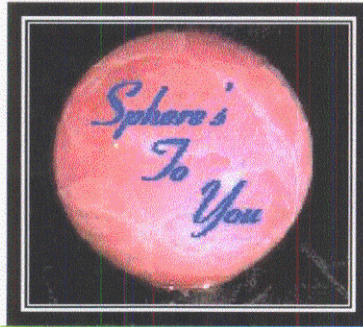
This list can be limited to [available items only](#).

Would you like to be notified when additional specimens are available? [Yes](#)

<http://mineral.galleries.com:/scripts/item.exe?LIST+Minerals+Silicates+Sodalite>

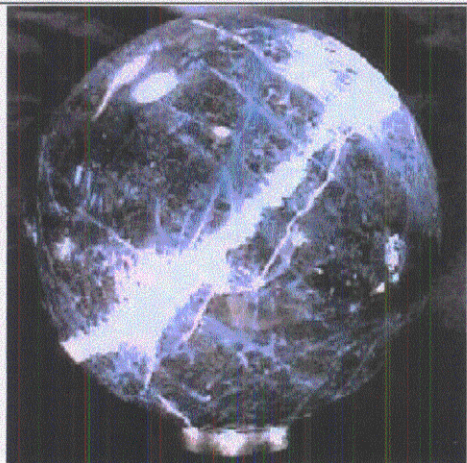
9/8/02

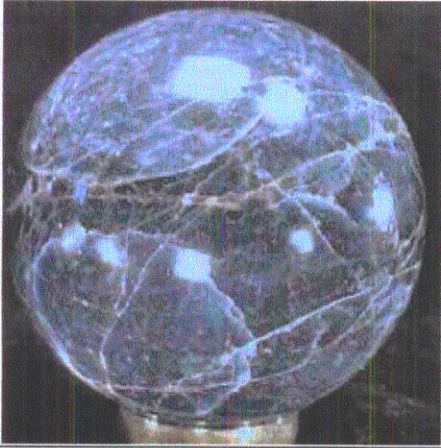
Blue Sphere Corner



Lapis	Azurite/Lazurite	Chrysocolla
Apatite	Amazonite	Sodalite
Lazulite	Miscellaneous	

Sodalite

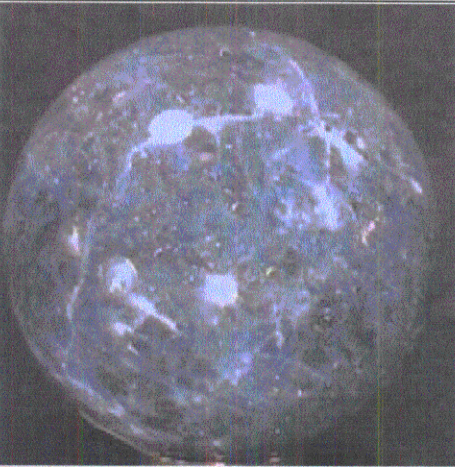
Image	Description	Size	Price
	Sodalite With ribbon of white all across the center.	5 Inches 2.25 Inches	\$225.00 \$48.00



Dark Blue Sodalite
High Polish!
This South African sphere is a
stunning glossy collector's piece

2.25
Inches

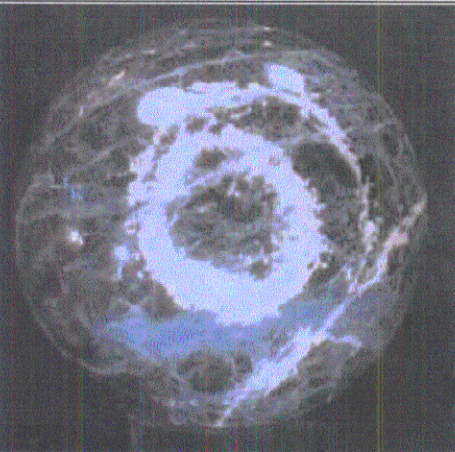
\$175.00



Sodalite
Brazil
Deep Blue, High Polish
Looks like it has a Milky Way of
Constellations!

2.5
Inches

\$98.00

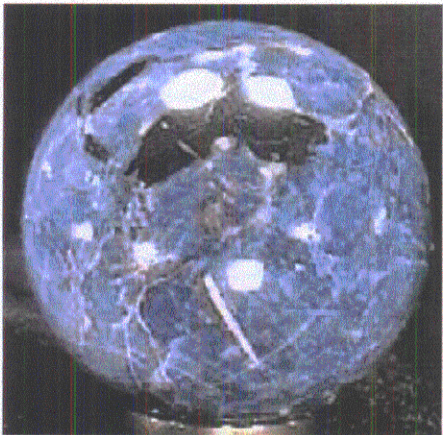
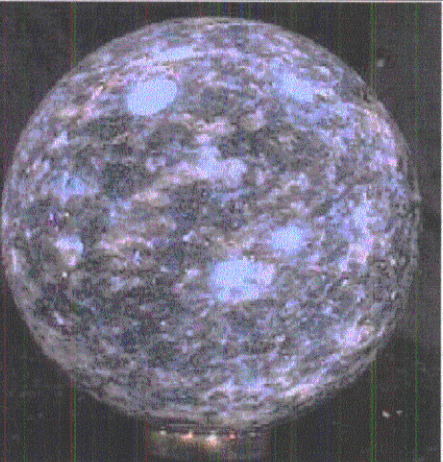
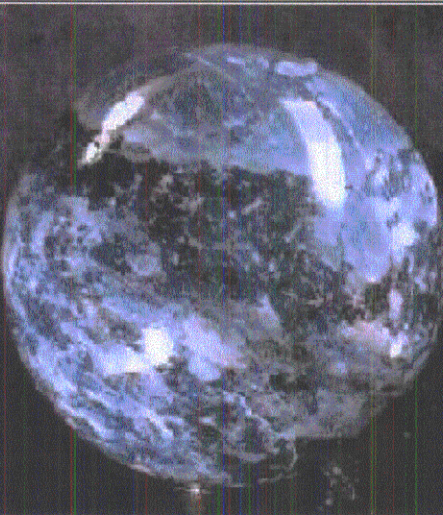


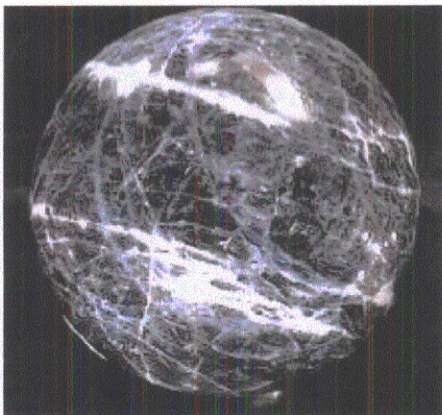
Sodalite
Brazil
Appears to have a white spiral.

4 Inches \$175.00

Sodalite with Pyrite
A dollup of pure pyrite on the top
South Africa

2 Inches \$250.00

			
	<p>Sodalite, Pyrite & Quartz Brazil Has traces of pyrite throughout.</p>	<p>3 Inches</p>	<p>\$90.00 Sold!</p>
	<p>Sodalite from Ontario, Canada</p>	<p>3 Inches</p>	<p>\$130.00</p>
	<p>Sodalite from Brazil</p>	<p>5 Inches 3.5 Inches 3 Inches 2.75 Inches 2.125 Inches</p>	<p>\$250.00 \$150.00 \$95.00 \$50.00 \$30.00 \$28.00</p>



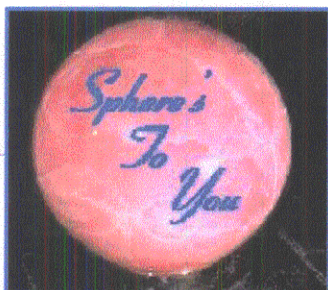
2 Inches	\$20 &
1.75	24
Inches	\$15.00
1.5	
Inches	

To order, see our [How to Order Page](#)

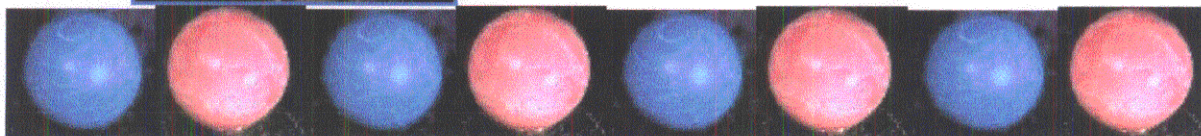
EMAIL spheres@iswest.com



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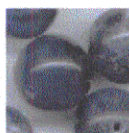
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Sodalite

Sodalite is an opaque, navy blue semi-precious gemstone, usually with characteristic white streaks. It often used to substitute for its more expensive cousin, [Lapis Lazuli](#).

Mystical Properties: Sodalite is thought to bring calm its wearer and is said to have a strong feminine (yin) polarity.

It is said to vibrate with the Third Eye [Chakra](#), which facilitates intuition, [psychic](#) awareness, ESP and insight.

Natural Healers use Sodalite to increase the ability to trust one's self and trust others, for nervous disorders, and stomach disorders related to stress.

Sodalite is thought to help one make "[logical decisions](#)".

Sodalite is thought to be a gemstone of the [Aquarian](#) born.

Healing Properties: Stress. Attention deficit disorder (ADD).

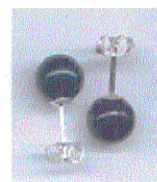
Scientific Properties: Composed of a Sodium Aluminum Chlorine Silicate. The white streaks are calcite runners.

Sodalite is formed in alkaline igneous and plutonic rocks with low silica content.

Sodalite is very similar in appearance to [Lapis Lazuli](#), however Sodalite is lacking in the golden pyrite flecks characteristic of Lapis. Rather Sodalite will, instead, have white calcite runners. Sodalite tends to be more of a dull navy blue color, whereas Lapis is a royal blue.

Found in Canada, Brazil and South Africa. 5.5-6.5 on the [Moh's Hardness Scale](#)

Buyer Beware! Sodalite is often used as a



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[Enlarge Earrings](#)

Item#476

8mm Sodalite Stud Earrings in Silver Settings

Price: \$9.99



[Add to Cart](#)

[Enlarge Earrings](#)

Item#705

8x10mm Sodalite Cabochon Dangle Earrings in Silver Plated Filigreed Settings with Sterling Silver Posts

Price: \$12.99

substitute for Lapis Lazuli. Lapis will always have golden flecks in it--Sodalite is characterized by white runners or streaks.

Owner Warning! While Sodalite is a durable gemstone, the calcite runners are not. Use caution in cleaning this mineral, as the calcite runners may be easily dissolved by some solvents.



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[Enlarge Bracelet](#)

Item#491

8mm Sodalite Elastic Bracelet with Sterling Silver Bead to cover knot. Approx. 7 inches

Price: \$18.99



[Add to Cart](#)

[Enlarge Bracelet](#)

Item#432

6mm-8mm Sodalite Bracelet with Thai Silver Beads and Silver Toggle Clasp. Approx. 7 inches.

Price: \$39.99



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[Enlarge Bracelet](#)

Item#437

**Sodalite Chip Elastic Bracelet
with 5mm Silver Bead (To
Cover Knot)**

Price: \$9.99



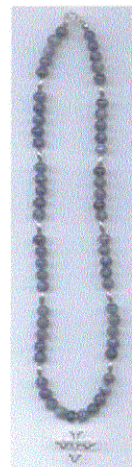
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[Enlarge Bracelet](#)

Item#490

**6mm Sodalite Elastic Bracelet
with Sterling Silver Bead to
cover knot. Approx 7 inches**

Price: \$16.99



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[Enlarge Necklace](#)

Item#540

**6mm Sodalite Necklace with
Sterling Silver Beads, Clasp and
Cross Pendant**

Price: \$69.99



[Add to Cart](#)

[Enlarge Pendant](#)

Item#728

**18x13mm Sodalite Cabochon
Sterling Filigreed Pendant with
18 in. Silver Chain**

Price: \$27.99

