

WOLFDEN BIG SILVER LLC

**2021 EXPLORATION WORK PLAN
BIG SILVER PROJECT, PEMBROKE, MAINE
WASHINGTON COUNTY, MAINE**

Submitted To:

*Department of Environmental Protection
22 State House Station, Augusta, Maine, 04330*

By:

*John Breedlove, MS, CPG
Exploration Manager, USA
Wolfden Mt. Chase LLC
101 Gardner St.
Patten, Maine
04765*

June 9, 2021

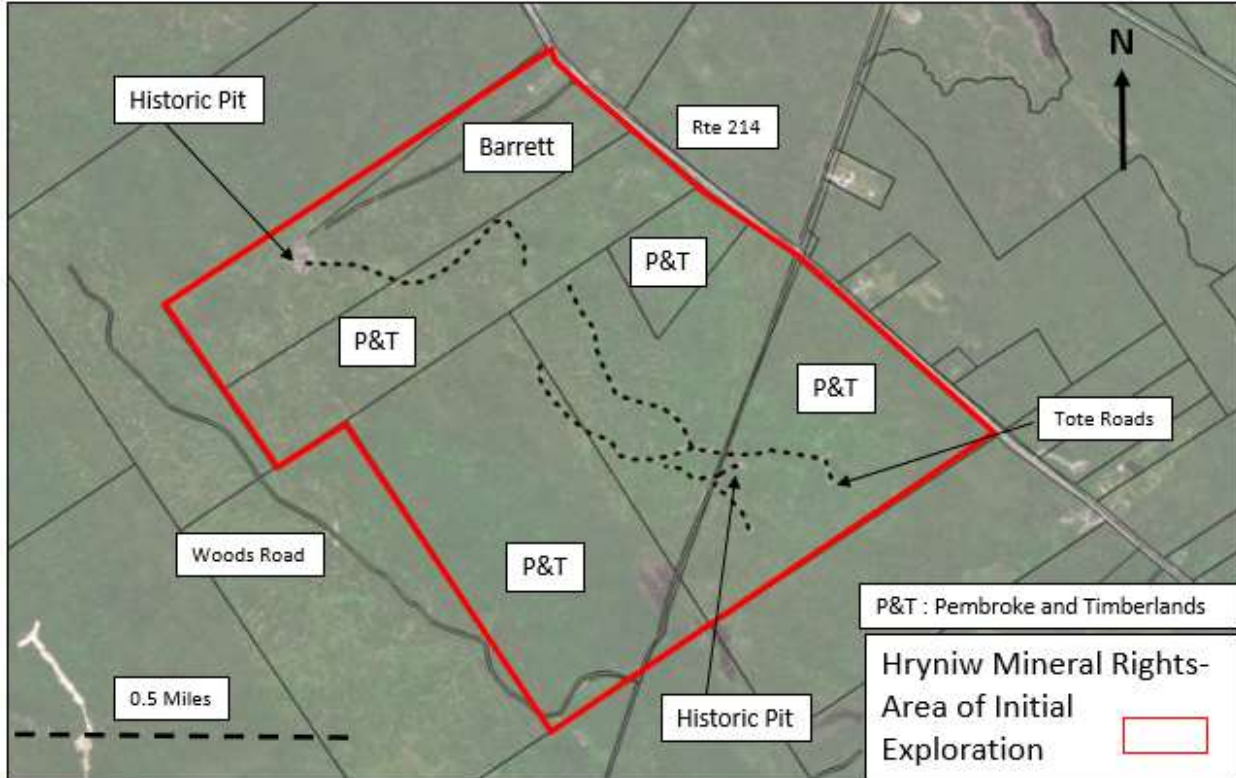
1.0 PROPERTY AND LANDOWNER INFORMATION

The Big Silver Project (the “Property”) is located in the town of Pembroke in Washington County in eastern Maine (Figure 1). The project area is approximately 2 miles north from the junction of US Route 1 and State Route 214. Wolfden Resources has an agreement with Walter Hryniw, the owner of the properties mineral and mining rights, which gives Wolfden Resources the option to acquire those mineral and mining rights and the right of access on these parcels (463.47 acres). The surface rights are owned by Pembroke & Timberlands, LLC and Keith Barrett. Wolfden is attempting to enlarge the core area of the land package. Any work done on the Big Silver Project before letters of agreement are submitted would be limited to land where the Hryniw mineral rights are located.

Figure 1: Big Silver Project Location



Figure 2: Surface Landowner Map



The Property has been the subject of sporadic mineral exploration programs since the 1960's and saw limited mining for lead and zinc in the late 1800's to early 1900's. For the purposes of this current work plan, work will continue until the end of December, 2021.

These lands lie in low rolling terrain with the highest elevation along the Big Hill ridge at 62 ft. above sea level. The average surface elevation is about 45ft above sea level. The area is forested and has been heavily logged. It has a mixture of hardwood and softwood with scattered bogs. Hardwood species present include maple, beech and birch, with lesser amounts of ash, softwood includes spruce, pine and cedar.

2.0 APPLICANTS TITLE, RIGHT & INTEREST

The Company's full right and interest to explore on the Property is documented in the appended Deeds noting the transfer on mining and mineral rights.

Wolfden acquired these rights through its wholly-owned subsidiary Wolfden Big Silver LLC. All of the mineral and petroleum rights, exclusive of the surface rights listed in Table 1 below and outlined in red on Figures 2 and 3.

Table 1: Big Silver Core Land Package

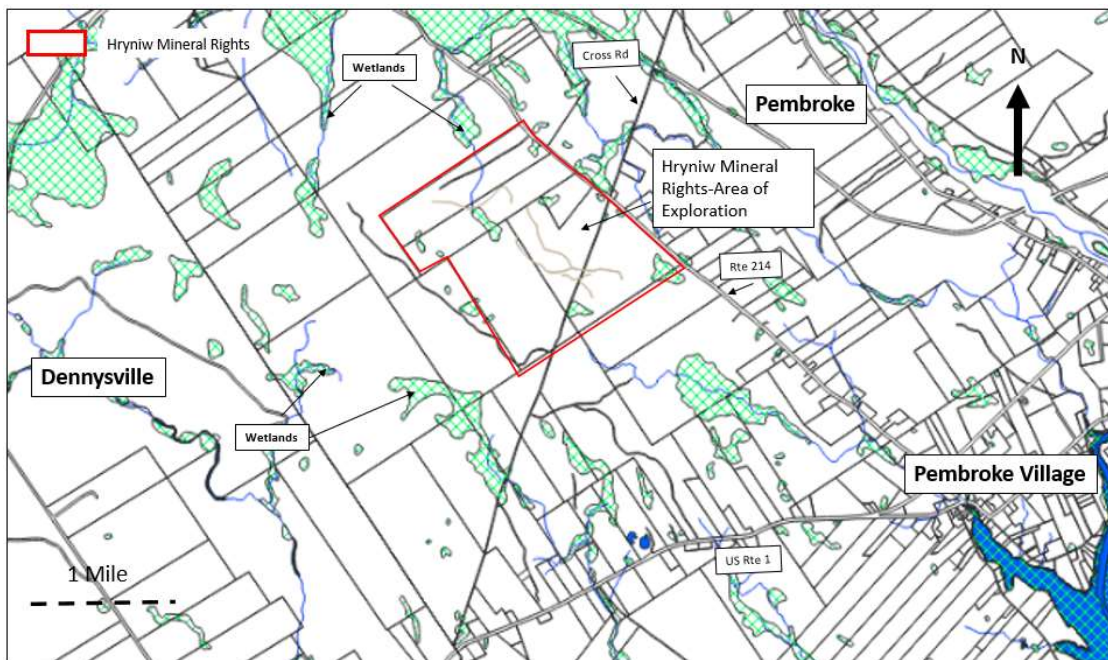
Owner	Map/Lot	Acres	Town	Mineral Rights
Pembroke & Timberlands	010-008-000	106.9	Pembroke	Hryniw
Pembroke & Timberlands	010-009-000	3	Pembroke	Hryniw
Pembroke & Timberlands	010-022-000	85	Pembroke	Hryniw
Pembroke & Timberlands	010-010-000	75	Pembroke	Hryniw
Pembroke & Timberlands	010-010-001	30	Pembroke	Hryniw
Pembroke & Timberlands	010-011-000	67.57	Pembroke	Hryniw
Barrett	010-011-01	96	Pembroke	Hryniw
Total Acres		463.47		

3.0 ACCESS AND EXPLORATION AREAS

Access to the Property is from State Route 214. Which is two miles from Rte 1 in Pembroke and a 2.5 hour drive from Bangor via Rte. 9 and secondary roads through Alexander, Cooper, Meddybemps, and Charlotte. The east side of the property is adjacent to Rte. 214 (Ayers Junction Rd.) and is accessed by the Cross Rd. which is not maintained west of Rte 214. There is a network of logging-tote roads within the property at various stages of overgrowth. Easy access and the presence of existing infrastructure in the region allows for exploration activities to be carried out year-round.

Property location and access areas of exploration planned for the property up and until the end of 2021 are marked on Figure 3.

Figure 3: Land Status with Wetlands



4.0 EXISTING ROADS AND CLEARINGS

Existing roads and clearings on the Property are marked in Figure 2.

5.0 WETLANDS AND PROTECTED NATURAL RESOURCES

All wetlands and environmentally sensitive areas on the Property are illustrated and identified on Figure 3.

6.0 SEDIMENT AND EROSION CONTROL PLAN

Adequate and timely temporary and permanent stabilization methods will be undertaken at all drill sites and access trails which will be maintained accordingly to prevent and curtail unreasonable erosion and sedimentation. Wolfden is committed to conducting all its operations in an environmentally responsible manner and will control sediment as needed to prevent contamination to any nearby water courses or wetlands and this will be accomplished with the following methods:

- A sump will be constructed near the drill site to contain drill return water and to catch sediments produced as required.
- Ditches will be dug from drill casing to the sump to contain and direct the drill fluid return.
- Silt fencing and or hay bales along travel routes to contain silt to prevent the spread of silt, as well as any water return runoff.
- Water filtration equipment can be utilized in environmentally sensitive areas as needed.
- Upon completion of drilling and the drill rig being removed, the site will be leveled, sumps filled and reclaimed, and the sites will be covered with hay to reduce run-off and promote growth.

Prior to diamond drilling hay bales and silt fences will be installed in down-gradient areas from such sites, to minimize soil disturbance and erosion. Hay bales will also be placed down-drainage from sump areas as well (Figure 2).

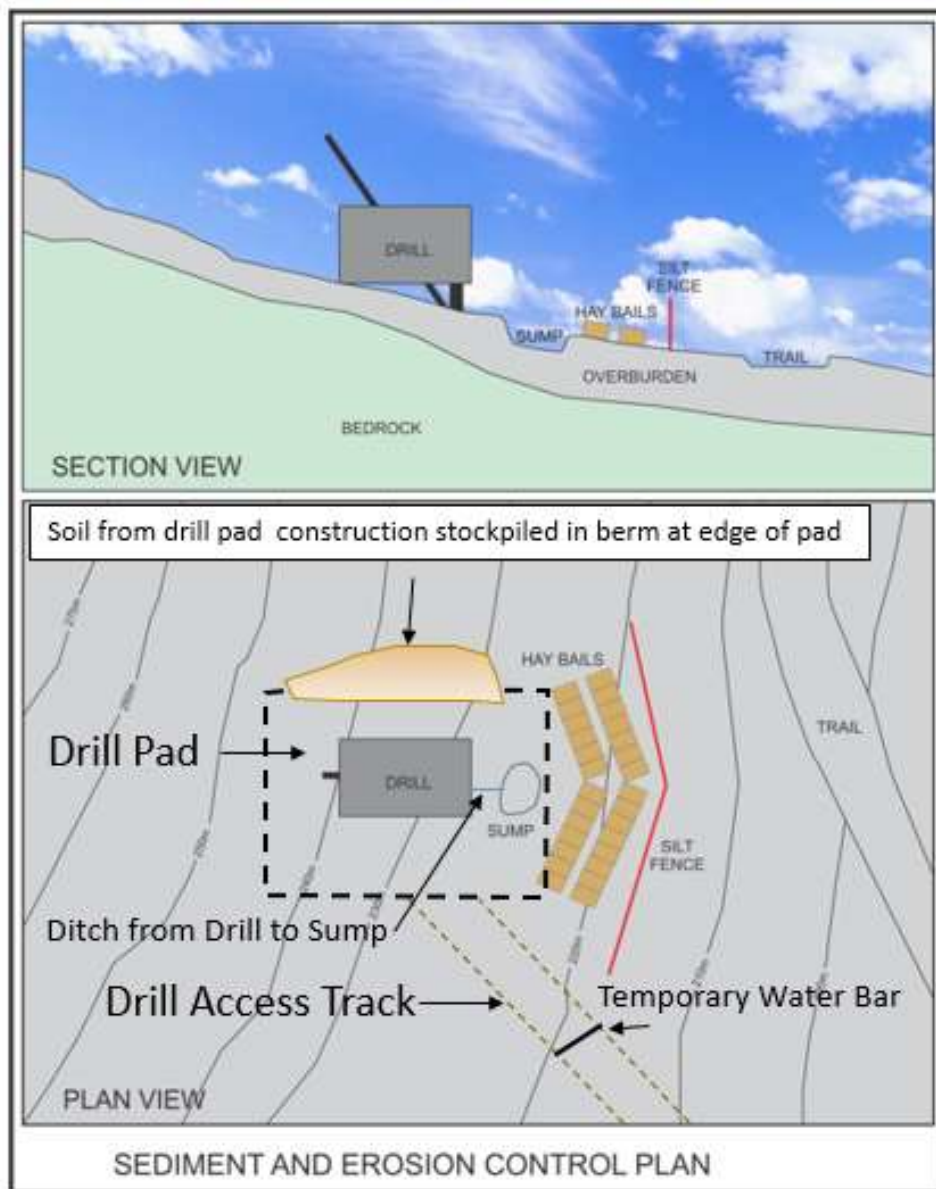
During the course of drilling, daily inspections will be completed by the drill foreman of the drill, sump, hay bales and silt fencing to ensure that such measures are effective in curtailing unreasonable erosion and sedimentation from the source area. Remediation efforts may be required from time to time, to assist in ensuring that such measures implemented, are working. The drill foreman is an experienced driller/technician, with many years of experience in all facets of diamond drilling and well versed in safety and the safeguards that are used to reduce, minimize and eliminate impacts to the environment from drilling.

Drill sites and access trails will be reclaimed to return them to near the original surface condition, as practically possible. Top soil will be stockpiled and reused for site rehabilitation for drill sites in berms along the edge of the pads, trenching sites, and access trails and subsequently seeded for revegetation. Where topsoil is unsuitable for reuse, other methods such as sodding, hydro seeding or erosion control matting may be employed. Slash, brush, tree limbs, seedlings and saplings cut to clear temporary drill sites

and access trails, shall be used in rehabilitating these temporary sites, once operations are complete during reclamation. This will assist in stabilizing the soil profile and also promote more rapid vegetation growth. Whenever possible and where practical, reclamation of exploration sites will be completed within 7 days of completion of the exploration activity.

Ruts and holes that develop during road and trail use will be repaired on a timely basis to mitigate against the risk of soil erosion and to protect water quality. Temporary water bars will be placed on access tracks along slopes to prevent run-off down-hill.

Figure 5: Idealized Sediment and Erosion Control Plan Schematic.



7.0 DESCRIPTION OF THE PROPOSED MINERAL EXPLORATION PROGRAM FOR 2021

Numerous exploration programs have been undertaken in the Big Silver area since the 1960's. Wolfden would like to conduct geophysical and soil surveys, outcrop mapping and sampling, and diamond drilling at Big Silver. Initial exploration will be conducted on the core, Hryniw, 463.37 acres adjacent to Rte 214 on the eastern side of the property. As surface access right approvals are received for additional parcels, exploration will also be conducted on these parcels.

7.1 Geophysical and Soil Survey

Wolfden would like to conduct an IP (Induced Polarization) geophysical survey over the Big Silver Project (Figure 3). Both the IP and soil surveys would only be conducted if the land position was increased in size. An IP or soil survey would not be conducted solely over the core Hryniw land position. Prove of acquisition or access permission will be submitted to the DEP before any work is started. The work will consist of cutting narrow, line of site lines through the woods for access for geophysical equipment and crews. An electric current is transmitted into the subsurface through two electrodes and voltage is monitored through two other electrodes. This is done at multiple points along the cut lines. The IP survey will define the chargeability and resistivity of subsurface rocks at Big Silver and help guide ensuing exploration decisions.

If deemed warranted down-hole EM geophysical surveys will be completed on selected drill-holes during the 2021 exploration program. These surveys will assist in tracing the extent and continuity of metallic mineralization at depth along trend. The survey basically involves an electrical current being applied into the ground by a transmitter on surface and the measurement of conductivity and resistivity of any subsurface source by a receiver placed down a drill-hole. Once the electrical current comes into contact with a conductive source (i.e. a metallic mineral deposit), it propagates a secondary magnetic field or conductive response, that is measured by a receiver. Strong conductors defined by the EM survey are prospective as potential mineralized bodies, such as a massive sulphide deposit. These surveys will be completed by North American-based contractors.

A soil survey would be done along portions of the cut IP lines as well. Samples of the B horizon soil would be collected by hand augurs every 25 m along the line.

7.2 Outcrop Mapping and Sampling

Outcrop mapping and sampling would be initially focused on the core Hryniw land package. This would be done to confirm previous observations and information from historical data and to generate new insights on the geology and mineralization of the Big Silver area. Once the land position size has been finalized mapping and sampling would be expanded to cover these areas.

7.3 Diamond Drilling

Diamond drilling will be carried out to confirm previous drill results on the core Hryniw parcels and to test new targets generated by the geophysical and soil surveys. If the enlargement of the land package takes longer than expected than drilling will only be done on the Hryniw core parcels.

All drill sites and access trails will be kept to a minimum in terms of dimensions, with disturbance to vegetation and the overburden profile of same, also kept to a minimum. On average, the cleared area suitable for setting up a diamond drill rig and associated equipment is approximately 35 x 65ft.

During drilling, all drill cuttings will be directed into a sump that will be located as close to the drill as possible. Upon completion of the drill hole, the sump will be drained of clean water, buried and all ground disturbances will be repaired to reclaim the site to its original state. If a sump is not suitable for drill cuttings, all water return will be handled with water tanks and drill cuttings will be transported to a suitable sump. Under no circumstances, will drill cuttings and fluids be released into waterways of any kind. Water pumps shall be kept at a minimum of 25ft away from ponds and watercourses and shall be wholly housed within containment pans to collect any fuel and lubricant leakage.

Petroleum products kept on site will be kept to the minimum quantity required for efficient production. All petroleum products shall be stored in their original container within secondary containment, or spill trays. Used petroleum products will not be stored at the drill site. All drilling fluids and additives used will be NSF approved ensuring their biodegradability. Used petroleum products as well as filters, containers and other products will be properly transported and disposed of, off of the Property by a licensed transport and disposal contractor. All litter and garbage at the drill site will be removed from the site for disposal.

All drill rigs shall be lined with rubber, plastic and other material aprons that can effectively capture or contain any petroleum product release. Rig liners will be inspected on a daily basis by the drill crew foreman for condition and evidence of fluid release. Since spill response is handled by Maine Department of Environmental Protection (MDEP), signage shall be posted at all drill and trenching sites, exhibiting the MDEP's 24-hour oil spill phone number (1-800-482-0777).

If a spill occurs, the following steps will be undertaken:

- Stop all work operations
- Control any potential sources of ignition
- Stop the source of the spill if it can be done safely
- Notify the client; call 911 if fire or public safety hazard
- Contain the spill material; dirt, sand or any semi-permeable material may be used
- Do not flush the spilled material in to waterways or wetlands under any circumstances
- A spill response plan will be posted on all drill rigs
- Notify the appropriate authorities at MDEP at (1-800-482-0777) as soon as practical in the event of an oil or gasoline spill

Existing access ways shall be properly maintained to ensure that water runoff is diverted to ditches, depressions and vegetated buffer areas. To avoid regulated substances from entering storm water runoff, field employees will inspect pumps, hoses, cylinders, valves and motors for damage or deterioration on a

daily basis. Drill rigs will be equipped with spill kits containing materials to assist in spill clean-up; absorbent pads as well as booms for containing spills.

Drill casings will be temporarily sealed with steel casing caps upon completion of all drill holes. Upon completion of obtaining all data from a given drill hole (i.e. downhole geophysical surveys etc.), a drill hole will be permanently sealed by grouting. Specifically, sealing of drill holes will be conducted according to guidelines stipulated in “Guidance for Well and Boring Abandonment”, authored by the MDEP and dated January 7, 2009. A copy of this document has been retained by Wolfden Mt. Chase LLC for this purpose.

Diamond drilling at Pickett Mountain will be undertaken by North American-based contractors in 2021.

8.0 BACKFILL AND RESTORATION OF EXPLORATION SITE

Backfill and restoration methods are covered in section 6.0 involving Sediment and Erosion Control Plan and under section 7.3 on Diamond Drilling and in Figure 5.

9.0 PLAN MAP OF EXPLORATION DRILLING AREA

The that are to be tested by diamond drilling in 2021 are illustrated on Figure 4 and described in section 7.3 on Diamond Drilling.

Respectfully submitted,

Wolfden Mt. Chase LLC



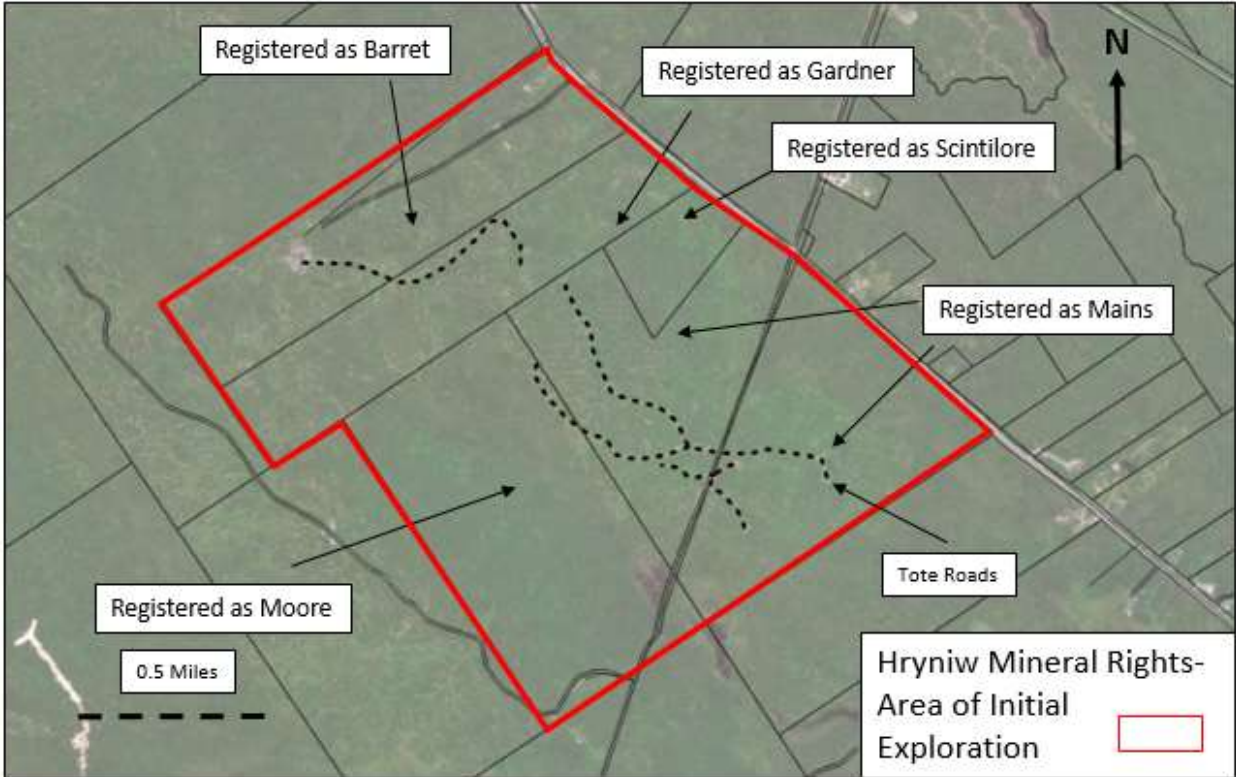
June 9, 2021

John Breedlove, MS, CPG

Exploration Manager, USA

REGISTERED MINERAL RIGHTS

Figure 6: Mineral Rights Map



NO TRANSFER TAX PAID

WARRANTY DEED

SCINTILORE EXPLORATIONS LIMITED, a corporation having its head office and principal of business in the City of Toronto, Province of Ontario, Canada (hereinafter referred to as the "GRANTOR") with warranty covenant and in consideration of ONE DOLLAR (\$1.00) and other valuable consideration, does hereby give, grant, bargain, sell and convey unto **WALTER HRYNIW**, businessman, residing and domiciled at 5267 Loyola Street, in the City of Montreal, Province of Quebec, Canada, HIS IR9 (hereinafter referred to as the "GRANTEE"), his successors and assigns forever all of the minerals, mineral rights, metals, mining rights, ores, ore bearing material and rock of every kind (hereinafter referred to together as "Mining and Mineral Rights"), in, on or about that certain lot or parcel of land situated in Pembroke, Washington County, State of Maine, and including the right to enter upon the property, to explore thereon, to drill or excavate, to mine, to remove any minerals, metals, rocks or ores therefrom, the said property being bounded and described as follows:

"Bounded North by land formerly of Adna Smith; on the East by Route 214 leading from Pembroke to Ayers Junction; on the South by land formerly of Henry Carter; and on the West by land formerly of Alonzo Lyons; containing one hundred sixty (160) acres, more or less, and being the same premises described in a deed from Carrol E. Fisher to Ernest Mains dated May 9, 1946, and recorded in Volume 494, Page 526 of the Washington County Registry of Deeds;"

Mains L10+22

The GRANTEE and for his successors and assigns shall have all the privileges and appurtenances of the said Mining and Mineral Rights for his use and benefit forever.

The GRANTOR further covenant with the said GRANTEE, its successors and assigns that it is lawfully seized in fee of the property, free of all encumbrances.

Mains Page 2

The GRANTOR has the right to sell and convey the said Mining and Mineral Rights to the GRANTEE and shall warrant and defend the same to the GRANTEE, its successors and assigns forever against the claims and demands of all persons.

IN WITNESS WHEREOF the GRANTOR has hereunto set its hands and seals, this 16th day of July 2003.

SCINTILORE EXPLORATIONS LIMITED

Per: 
THEODORE H. POLISUK
President, duly authorized

SIGNED, SEALED AND DELIVERED
in the presence of Christine Auclair




CANADA
Province of Quebec
District of Montreal

July 16th, 2003

Personally appeared the above named GRANTEE, SCINTILORE EXPLORATIONS LIMITED hereto acting and represented by THEODORE H. POLISUK, president, who acknowledges the foregoing instrument to be his and its free act and deed.

Signed and executed before me, a Commissioner for Oaths for the District of Montreal, Province of Quebec, Canada, this 16th day of July 2003.

Before me,


CHRISTINE AUCLAIR (No. 128,904)
Commissioner for Oaths for the District of Montreal



Received
Recorded Register of Deeds
Jul 21 2003 09:03:44P
Washington County
Sharon D. Strout

WARRANTY DEED

NO TRANSFER TAX PAID

SCINTILORE EXPLORATIONS LIMITED, a corporation having its head office and principal of business in the City of Toronto, Province of Ontario, Canada (hereinafter referred to as the "GRANTOR") with warranty covenant and in consideration of ONE DOLLAR (\$1.00) and other valuable consideration, does hereby freely and willingly give, grant, bargain, sell and convey unto WALTER HRYNIW, businessman, residing and domiciled at 5267 Loyola Street, in the City of Montreal, Province of Quebec, Canada, HIS 1R9 (hereinafter referred to as the "GRANTEE"), his successors and assigns forever all of the minerals, mineral rights, metals, mining rights, ores, ore bearing material and rock of every kind (hereinafter referred to together as "Mining and Mineral Rights"), in, on or about that certain lot or parcel of land situated in Pembroke, Washington County, State of Maine, and including the right to enter upon the property, to explore thereon, to drill or excavate, to mine, to remove any minerals, metals, rocks or ores therefrom, the said property being bounded and described as follows:

"Beginning at an iron rod drive into the ground on the southerly or westerly side of Maine State Route 214 leading from West Pembroke to Charlotte; thence proceeding on an average bearing of South 74 degrees 43 minutes 5 seconds West for a distance of 4,283 feet to a post driven into the ground;

Thence turning and proceeding on an average bearing of North 14 degrees 41 minutes 4 seconds West for a distance of 789.93 feet to a six inch squared fir tree which marks the corner;

Thence turning and proceeding on an average bearing of North 76 degrees 00 minutes 10 seconds East, for a distance of 4,078.52 feet to another iron rod driven into the ground on the southerly or westerly side of Route 214 aforesaid;

6/20/2012

Thence proceeding on an average bearing of South 32 degrees 29 minutes 38 seconds East, for a distance of 730.43 feet to the iron rod which marks the point of beginning.

The above described parcel of land contains 67.57 acres, according to a perimeter survey of the premises dated May 29, 1976, by Vladek Kolman, Registered Land Surveyor, Job No. S-2186."

Gardner Page 2

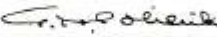
The GRANTEE and /or his successors and assigns shall have all the privileges and appurtenances of the said Mining and Mineral Rights for his use and benefit forever.

The GRANTOR further covenant with the said GRANTEE, its successors and assigns that it is lawfully seized in fee of the property, free of all encumbrances.

The GRANTOR has the right to sell and convey the said Mining and Mineral Rights to the GRANTEE and shall warrant and defend the same to the GRANTEE, its successors and assigns forever against the claims and demands of all persons.

IN WITNESS WHEREOF the GRANTOR has hereunto set its hands and seals, this 9th of July 2003.

SCINTILORE EXPLORATIONS LIMITED

Per: 
President, duly authorized
Theodore H. Polisuk

SIGNED, SEALED AND DELIVERED
in the presence of Christine Auclair



CANADA
Province of Quebec
District of Montreal
July 9th, 2003

Personally appeared the above named GRANTEE, SCINTILORE EXPLORATIONS LIMITED hereto acting and represented by THEODORE H. POLISUK, president, who acknowledges the foregoing instrument to be his and its free act and deed.

Signed and executed before me, a Commissioner for Oaths for the District of Montreal, Province of Quebec, Canada, this 9th day of July 2003.



Before me,

CHRISTINE AUCLAIR No. 128,904
Commissioner for Oaths for the District of Montreal

Received
Recorded Register of Deeds
Jul 15 2003 11:30:15A
Moshington Courts
Sharon D. Street

Barrett and Moore Page 1

WARRANTY DEED

NEW ENGLAND MINING CORPORATION LIMITED, a corporation having its head office and principal of business at 54 Front Street, in the City of Hamilton, Bermuda (hereinafter referred to as the "GRANTOR") with warranty covenant and in consideration of ONE DOLLAR (\$1.00) and other valuable consideration, does hereby give, grant, bargain, sell and convey unto WALTER HRYNIW, businessman, residing and domiciled at 5267 Loyola Street, in the City of Montreal, Province of Quebec, Canada, H1S 1R9 (hereinafter referred to as the "GRANTEE"), his successors and assigns forever all of the minerals, mineral rights, metals, mining rights, ores, ore bearing material and rock of every kind (hereinafter referred to together as "Mining and Mineral Rights"), in, on or about those certain lots or parcels of land situated in Pembroke, Washington County, State of Maine, and including the right to enter upon the property, to explore thereon, to drill or excavate, to mine, to remove any minerals, metals, rocks or ores therefrom, the said property being bounded and described as follows:

NO TRANSFER TAX PAID

** First property:*

** Part of Lots 5 and 6 in the Third Range of Lots according to the Survey of Benjamin R. Jones, and bounded and described as follows, to wit*

*Beginning on the west side of the town road and leading from Pembroke to Charlotte, said road now being known as State Aid Highway, at the northeast corner of the old John Smith Farm, formerly occupied by Adna (also known as Adney) L. Smith and running thence westerly on said Smith north line to the north west corner of said lot; thence on same course and a continuation of said line to the easterly line of the John Antone lot 249 rods, thence northerly on said Antone's easterly line sixty rods to a stake and stones; thence east and parallel to the first mentioned bound to a point on the aforesaid road and 68 rods from the place of beginning, thence by said road southerly 68 rods to the place of beginning, more commonly referred to as "The Buzatt Property"; and **

Second property

"A certain Lot or Parcel of land situated in Pembroke, Washington County, State of Maine, and bounded and described as follows.

It being the Northeastern half of Lot Number Six (6) in the Fourth (4) Range containing one hundred (100) acres, more or less, and being the same lot conveyed to Elizabeth Batron by Elijah Sprague and Andrew Sprague by their Deed of Warranty dated

Barrett and Moore Page 2

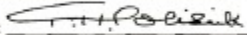
September 27, 1899 recorded in Washington County Registry of Deeds, Book 268, Page 7, and conveyed to Francis A. Lyons by said Elizabeth Batron by her Deed of Warranty dated February 15, 1906, recorded in said Registry of Deeds, Book 270, Page 208. Being the same premises described in Deed from Alonzo Lyons to Irene Lyons Moore, dated June 17, 1963, recorded in Washington County, Maine, Registry of Deeds in Book 589, Page 297, more commonly referred to as the "The Moore Property."

The GRANTEE and for his successors and assigns shall have all the privileges and appurtenances of the said Mining and Mineral Rights for his use and benefit forever.

The GRANTOR owns and has the right to sell and convey the said Mining and Mineral Rights to the GRANTEE and shall warrant and defend the same to the GRANTEE, its successors and assigns forever against the claims and demands of all persons.

IN WITNESS WHEREOF the GRANTOR has hereunto set its hands and seals, this 23rd day of July 2003.

NEW ENGLAND MINING CORPORATION LTD.

Per 

THEODORE H. POLISUK
Director, duly authorized

SIGNED, SEALED AND DELIVERED
in the presence of Christine Auclair



CANADA
Province of Quebec
District of Montreal

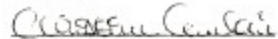
July 23rd, 2003

Personally appeared the above named GRANTEE, NEW ENGLAND MINING CORPORATION LIMITED hereto acting and represented by THEODORE H. POLISUK, director duly authorized, who acknowledges the foregoing Warranty Deed to be his and its free act and deed.

Signed and executed before me, a Commissioner for Oaths for the District of Montreal, Province of Quebec, Canada, this 23rd day of July 2003.



Before me,



CHRISTINE AUCLAIR (No. 128,904)
Commissioner for Oaths for the District of Montreal

Received
Recorded Register of Deeds
Jul 28 2003 11:58:04a
Washington County
Sharon D. Strout