



Mackenzie Valley Land and Water Board
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P.O. Box 2130
YELLOWKNIFE NT X1A 2P6
Phone (867) 669-0506
FAX (867) 873-6610

Application for: New Land Use Permit

<p>1. Applicant's name and mailing address:</p> <p>Uravan Minerals Inc. ("Uravan") Suite 124, 2526 Battleford Ave. SW Calgary Alberta T3E 7J4</p>	<p>Fax number: (403) 264 2629</p>
<p>2. Head office address:</p> <p>Uravan Minerals Inc. Suite 124, 2526 Battleford Ave. SW Calgary, AB T3E 7J4</p> <p>Field supervisor: Allan Miller and Ian Fraser (Geologists) Radiotelephone: To be supplied prior to mobilization to field.</p>	<p>Fax number: (403) 264 2629</p>
<p>Telephone number: (403) 264 2630 (company direct line) (403) 217 7359 (field supervisor direct line)</p> <p>3. Other personnel (subcontractor, contractors, company staff etc.)</p> <p>1 Helicopter Pilot, 1 Helicopter Engineer, 3 Geologist, 2 Geological Assistant, 2 geotechnical assistants, 1 Cook, 1 Cook Helper, 1 Drill Foreman, 4 Drillers, 4 Driller Helpers, 1 Camp Manager. (note: this represents the maximum number of personnel require to complete the drilling program envisioned; the actual number of personnel will depend of the level of approval)</p> <p>The number of people in camp may increase to 23 for short periods of time to accommodate site visits by company management and geologists/geochemists hired for specialized projects.</p> <p>TOTAL: 21 (Number of persons on site)</p>	
<p>4. Eligibility: (Refer to section 18 of the <i>Mackenzie Valley Land Use Regulations</i>)</p> <p>a)(i) a)(ii) X a)(iii) b)(i) b)(ii)</p>	

5. (a) Summary of operation (Describe purpose, nature and location of all activities.)

The purpose of this proposed exploration program is to explore for uranium mineralization that may occur at the Thelon sandstone and underlying older basement unconformity by drill testing a number of electromagnetic conductive trends or corridors previously determined by airborne and ground geophysical surveys. The nature of the program is considered reconnaissance and will employ a core drill to retrieve a suite of bedrock samples from several widely spaced target areas.

Utilizing a lightweight, Boyle's 37-A, heli-portable core drill, up to 30 to 40 NQ-size (approx. 47.6 mm in diameter) core drill holes amounting to 6000 meters to 10,000 meters of drilling will be completed. Drill hole depths will range in depth from 200 – 400 m.

It is anticipated the drill holes will be drilled during the period June 10 – September 30, 2007; if unable to compete in this time frame the program will continue in the 2008 field season during the same time period as referenced above.

Exact drill hole locations to be determined based on prior ground geophysical program. However, the attached topography map (**Figure 1**) indicates the area where drilling will occur plus two other regional maps showing the Boomerang property and area. Upon final confirmation of exact drill hole locations an updated property map with drill hole locations will be provided before mobilization to the field.

b) Please indicate if a camp is to be set up. (Please provide details on a separate page, if necessary.)

An established camp (the "Boomerang Camp") and fuel storage area is emplace under the existing Land Use Permit (LUP) no. MV2006C0008, therefore no additional camp will be required. The Boomerang Lake Camp will be reestablished upon mobilization of equipment and personnel necessary to carry out Uravan's 2007 drill program approved under MV2006C0008 and will be used for the proposed drill program as outlined in this application. The Boomerang Camp is located at the northeast end of Boomerang Lake (informal name) at 104° 49'00W; 62°04'05"N (502050 mE / 6950200 mN, NAD 83 projection). Refer to attached map (**Figure 2**) for camp layout, location of fuel cache and drill equipment.

The Boomerang Camp will consist of 14 tent structures configured individually as: 7 – 14'x16' Jutland sleep tents, 1 – 14'x16' wood frame wash / shower facility tent, 1 – 14'x24' wood frame kitchen / mess hall tent, 1 – 14'x16' wood frame office tent, 2 – 14'x16' geological logging tent, 1 – 14'x16' Jutland geotechnical rock preparation tent and 1 – 14'x16' first aid tent. A portable outhouse will be mobilized to the camp area, plus a small plywood shack will shelter the generator. Each structure will be equipped with fire extinguishers.

6. Summary of potential environmental and resource impacts (describe the effects of the proposed land-use operation on land, water, flora & fauna and related socio-economic impacts. Use separate page if necessary.)

The proposed drill program is exploratory and reconnaissance in nature; designed to explore for uranium mineralization in the Thelon Basin and Uravan believes this exploratory reconnaissance drill program at this stage, with the use of 'best management practices' (discussed in detail below and in Schedule 1 attached) will have minimal or no long term cumulative environmental or socio-cultural-economic impacts and does not require an environmental assessment (EA) prior to approval of this application and /or commencement of operations. Uravan believes that any expressed 'public concern' is best mitigated through a proactive program of community interaction with Uravan and its field operations to better understand the mineral exploration process and specifically uranium exploration as this activity relates to environmental or socio-cultural-economic concerns. Uravan has adopted a policy to provide transportation and access to the project area for aboriginal community members to experience actual drilling operations as a means of providing information and understanding to mitigate 'public concern' issues. Also, Uravan believes most 'public concern' issues are not related to specific or perceived environmental impacts but are related more to concerns of a socio-economic-cultural nature given the possible infringement of aboriginal Treaty rights and other land use issues that may impact 'land claim' negotiations with government, all of which is beyond the scope of this single application for land use permit and beyond the ability or authority for Uravan to mitigate.

Uravan believes the best way to evaluate or determine the cumulative effects or impacts of environmental or socio-cultural-economic concerns are by direct observation/monitoring by concerned parties of actual exploration/drilling operations. Uravan believes the joint participation with Uravan and aboriginal environmental committees, teams or groups would be a more valuable activity to determining potential impacts versus conducting costly hypothetical studies. Uravan believes that any other type of pre-operational assessment of how exploration activities may impact the environment or 'public concern' will only provide inferred data/information resulting in hypothetical conclusions due to the lack of factual observations/data based on 'real-time' operations. Historically, all currently followed 'best management practices' were developed as a result of 'real-time' operations.

Furthermore:

- This drill program will be helicopter supported and reconnaissance in nature with drill holes no closer than 2 kilometers.
- All drill sites/setups will be established on large timbers minimizing direct pressure to the surface and the area of the drill site and equipment lay-down area will not exceed an area approximately 24 ft x 24 ft.
- No drilling is currently planned to be conducted on ice covered lakes or rivers.
- Drill return / cuttings will be contained at the drill site (channeled to nearest natural depression) a minimum of 100 m distance from the ordinary high water mark of (if any) the nearest water body ensuring that there will be no dispersion of the return / cuttings to nearby water bodies.

- All drill sites are cleaned of any trash or debris, all surface casing is retrieved from the site and all sites are raked to attain the natural surface contour.
- Absorbent matting will be used to collect any oils, lubricants that may discharge directly from the drilling operation.
- Drip trays will be used at all fueling – refueling areas.
- Water used at the drill will be pumped (intake hose to be screened to prevent entrainment of fish) from the nearest available water supply and heated if necessary by a coil stove.
- Water heated by propane will be pumped down hole to keep permafrost from enclosing the drill hole. If required minimal calcium chloride will be mixed with the water at certain stages in a drill hole in order to prevent hole freeze up, however, recent experience in the area suggests that only propane heated water is require through areas of permafrost.
- It is anticipated that drilling additives and lubricants will be used throughout the drilling program, however, all additives and lubricants use are biodegradable as indicated in Schedule 2 attached.
- **Schedule 1 (Best Management Practices – Drilling Operations and the Handling of Uranium Mineralization)** further details the summary of potential environmental and resource impacts and possible effects of the proposed land-use operation.
- **Schedule 2** is a comprehensive list of the MSDS all drilling additives, materials anticipated to be used during the proposed reconnaissance-drilling program.
- Any drill holes that produce water will be plugged; an occurrence of an artesian well will be documented and reported to the project inspector immediately.
- In the event significant uranium mineralization is intersected, the BMP (best measures practice) as laid out in the Mineral Exploration Guidelines for Saskatchewan will be implemented; notably, returning cuttings containing >0.05% uranium down the drill hole and immediately grouting any drill hole deemed to have a uranium rich intersection consisting of >1% over a length > 1 meter, and with a meter-percent concentration > 5.0 over the entire length of the mineralized zone and not less than 10 meters above or below each mineralized zone. **Schedule 1** further discusses the handling of Uranium enriched drill returns, cuttings and drill core.

Recognizing and respecting the need to consult with all stakeholders within the this region (the “Akaitcho Region”) of this land use application, Uravan has undertaken a consultation/meeting process with the Akaitcho Dene First Nations (AKFN) communities and people and considers this process to be on going with the objective to build a mutual understanding of all stakeholders goals and concerns. It is Uravan’s intention, from time to time, to engage and promote face to face meetings with the aboriginal communities in the Akaitcho Region to share information regarding land use planning and to keep the aboriginal communities informed and involved regarding Uravan’s exploration activity and results. With this objective in mind, on April 17 and April 19, 2007 Uravan had face-to-face meetings with the leadership and community members of the Deninu Kue FN in Fort Resolution and the Lutsel K’e Dene FN in Lutsel K’e respectively. These meetings consisted of two (2) presentations by Uravan: (1) presentation on the historical exploration in the area, the methodology of drilling, summary of the 2006 exploration activity and 2007 exploration activity proposed pursuant to this application and (2) information on the health and safety aspects of uranium mining and processing and nuclear power industry. Following the presentation the meetings were opened up to allow and encourage question and concerns to be voiced by all stakeholders. Further, Uravan has pursued negotiations with the AKFN to inter into an Exploration Agreement that will provide the AKFN and Uravan a method for participating and monitoring exploration/development in the land together. This application has been submitted to the Akaitcho Screening Board for review prior to submission the MVLWB.

Prior to commencement of this program a License Agreement will be executed between the applicant and the Prince of Wales Northern Heritage Centre. All Archaeological / Historical / Cultural and Burial sites within the land pertaining to this LUP application will be documented. **Schedule 4** is a Best Management Practice outlining procedures the applicant and associated contractors will adhere to with respect to Archaeological / Historical / Cultural and Burial sites (the “Traditional Sites”).

7. Proposed restoration plan (please use a separate page if necessary).

Upon completion of a drill hole all materials will be removed from the drill site, garbage collected, absorbent matting retrieved and properly disposed of, empty fuel drums and propane bottles will be returned to camp fuel cache and returned to Yellowknife on available service flights. The project supervisor will inspect each drill site upon completion and will dictate if further clean up is required. Each drill site will be raked and contoured to resemble its natural state upon completion. The only noticeable feature will be a labeled picket depicting the drill hole location.

Surface drill casing will be removed upon completion of drill hole. If casing cannot be retrieved, the casing will be cut off at ground level. Any drill hole making significant water (artesian well) will be reported to the proper authorities (Inspector).

Through the course of the drilling program there will be several service flights into the camp. The camp supervisor will ensure that each back haul flight will be maximized with respect to empty fuel drums, propane bottles plus camp and fuel garbage. If necessary additional flights will be employed to remove empty fuel drums upon completion of the program.

Upon completion of the drill program the camp will be returned to its storage status and an extension for Storage of Buildings, Equipment, Machinery and Materials Permit will be applied for.

Prior to camp break up the project supervisor will contact the designated Inspector at least 10 days in advance of shut down of the project to advise of removal / storage of equipment, and completion of project – restoration.

8. Other rights, licences or permits related to this permit application (mineral rights, timber permits, water licences, etc.)

Uravan Minerals Inc. Thelon Basin Properties are as follows:

BOOM 1- 5 (3879 – 3883)

BM 1- 43 (F90601 – F90643)

STD 1 – 64 (F90901 – F90964)

NTD 1 – 46 (F90971 – F91000, F90209 – F90210, F90100, F90644 – F90650, F90965 – F90970)

ND 1 – 100 (F98801 – F98900)

BW 1-9 (K02367-68, 83-84, 98099; K02415, 16, 18)

ER 1-37 (K02421-57)

SL 1-42 (K02460-99)

Roads: N/A Is this to be a pioneered road? Has the route been laid out or ground truthed?

9. Proposed disposal methods.

a) Garbage: All collected garbage (non-combustible) and recyclable material will be removed and disposed of in Yellowknife. During the program all combustible garbage will be removed to Yellowknife and if incineration is required for any materials, it will be done on a daily basis in an approved incinerating device; the residue will be collected and disposed of in Yellowknife.

b) Sewage (Sanitary & Grey Water): Grey water from kitchen and dry facilities will be channeled to a settling sump (nearest natural depression). Camp sewage will be collected in a pit constructed below an outhouse.

c) Brush & trees: N/A

d) Overburden (Organic soils, waste material, etc.): N/A

10. Equipment (includes drills, pumps, etc.) (Please use separate page if necessary.)

Type & number	Size	Proposed use
1 Drill (Boyles 37-A fly drill) with associated pumps (2), coil stoves (2)	Drill < 2500 kg, pumps, coil stoves < 500 kg	Drill holes into bedrock and retrieve core.
1 Helicopter	Capable of transporting pilot + 4 passengers	To transport personnel to drill and bring drill core to camp; transport geologists to sites where focused geological projects are planned.
2 - 4 Snowmobiles	1 Cylinder, regular track	Ground transport.

11. Fuels	()	Number of containers	Capacity of containers	Location
Diesel		286	205 litres	Camp fuel cache.
Gasoline		8	205 litres	Camp fuel cache.
Aviation fuel		357	205 litres	Camp fuel cache.
Propane		141	45 kg cylinders	Camp fuel cache.
Other		-----	-----	-----

12. Containment fuel spill contingency plans.

Refer to attached Fuel Management and Spill Contingency Plan (**Schedule 3**)

13. Methods of fuel transfer (to other tanks, vehicles, etc.)

Electric pump for helicopter, manual pumps for drill and associated pumps for camp stoves and water pumps.

14. Period of operation for 2007 (includes for all phases of work, including mobilization/demobilization and restoration)

April 25, 2007 – September 30, 2007.

15. Period of permit (up to five years, with maximum of two years of extension).

5 years (May 1, 2007 – May 1, 2012)

16. Location of activities by map co-ordinates. **See Attached Topography Map - Figure 1.**

Minimum latitude (degree, minute) 62° 48' 45"N

Maximum latitude (degree, minute) 63° 15'N

Minimum longitude (degree, minute) 104° 27' 12"W

Maximum longitude (degree, minute) 104° 55' 30"W

Map Sheet no. 75P-1, 2; 75 I – 10, 11, 15, 16

17. Applicant



Larry Lahusen (President)

Date April 25, 2007

18. Fees Type A - \$150.00 ** Type B - \$150.00 ** (**Application Fees are Non-Refundable**)

Land use fee: 6.03 _____ hectares @ \$50.00/hectare \$ 351.50 _____

Assignment fee \$50.00 \$ _____

Total application and land use fees \$ 351.50 _____

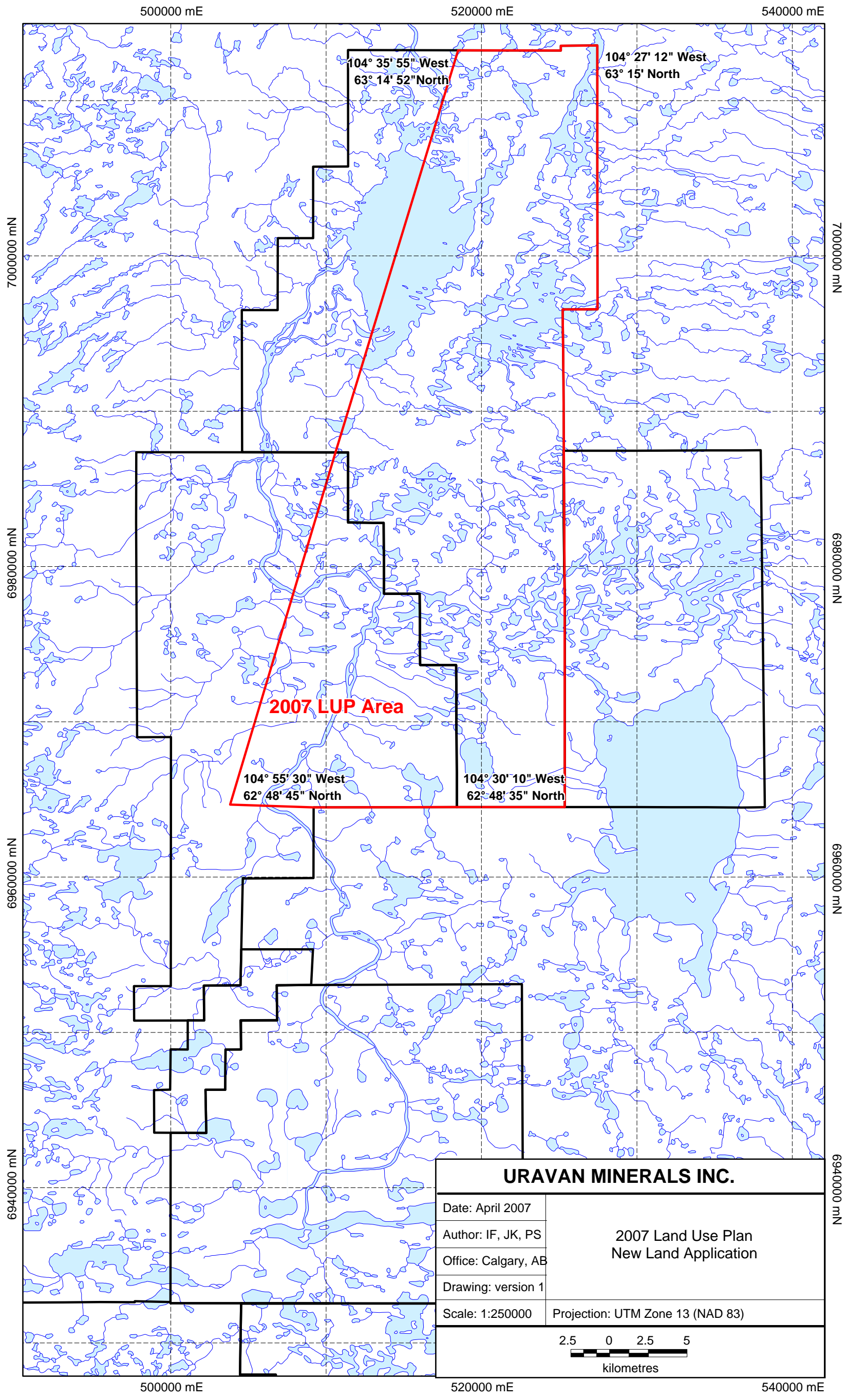
Please make all cheques payable to "Receiver General of Canada"

FIGURE 1

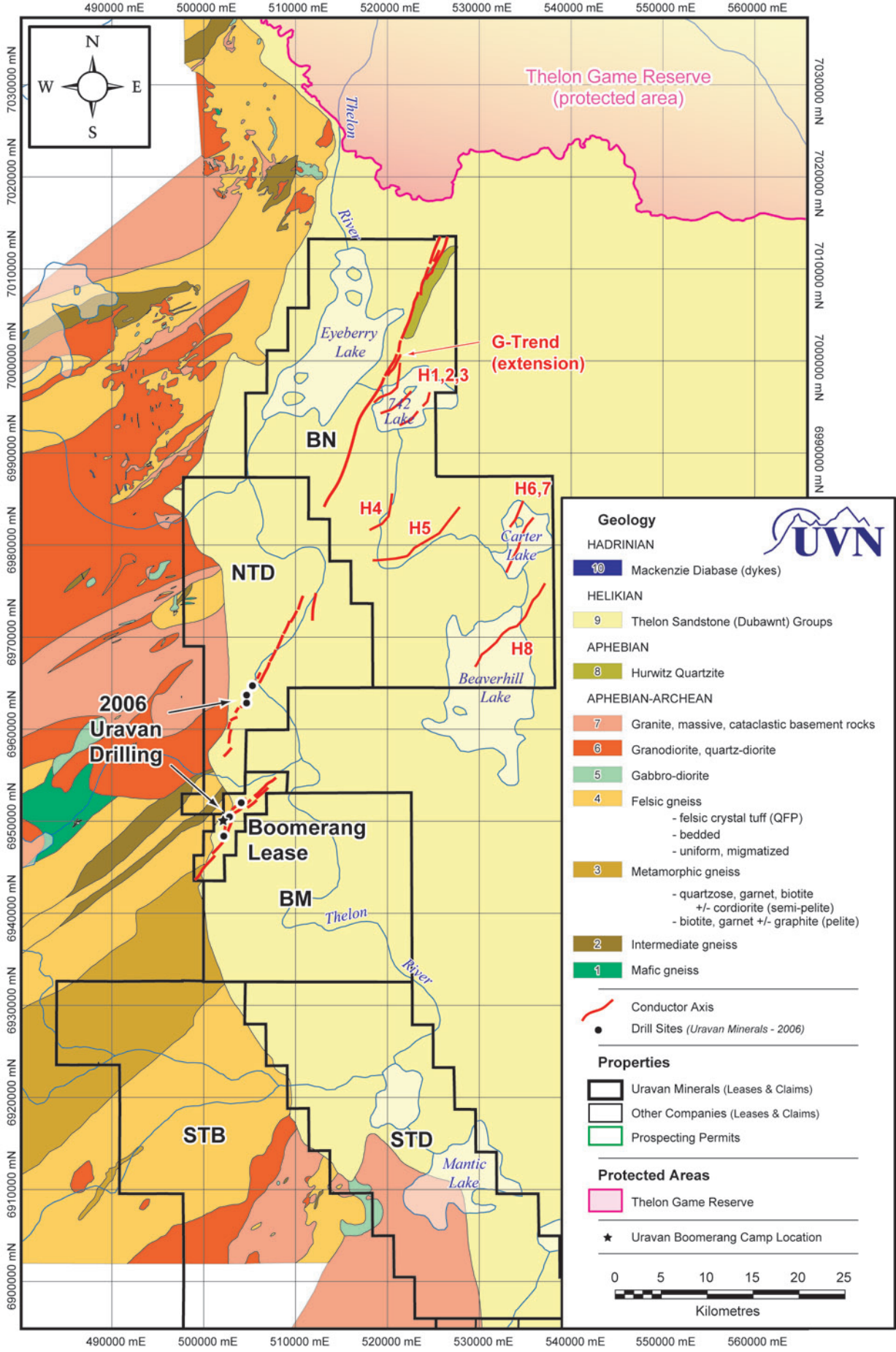
**AREA OF ACTIVITY
LAND USE TOPOGRAPHY MAP
SCALE 1: 250,000**

REGIONAL GEOLOGY MAP

REGIONAL AREA PROPERTY MAP



URAVAN MINERALS INC.	
Date: April 2007	2007 Land Use Plan New Land Application
Author: IF, JK, PS	
Office: Calgary, AB	
Drawing: version 1	
Scale: 1:250000	Projection: UTM Zone 13 (NAD 83)



Thelon Game Reserve
(protected area)

G-Trend
(extension)

H1,2,3

BN

H4

H5

H6,7

H8

NTD

2006
Urvan
Drilling

Boomerang
Lease

BM

STB

STD

Geology

HADRINIAN

10 Mackenzie Diabase (dykes)

HELIKIAN

9 Thelon Sandstone (Dubawnt) Groups

APHEBIAN

8 Hurwitz Quartzite

APHEBIAN-ARCHEAN

7 Granite, massive, cataclastic basement rocks

6 Granodiorite, quartz-diorite

5 Gabbro-diorite

4 Felsic gneiss

- felsic crystal tuff (QFP)

- bedded

- uniform, migmatized

3 Metamorphic gneiss

- quartzose, garnet, biotite

+/- cordiorite (semi-pelite)

- biotite, garnet +/- graphite (pelite)

2 Intermediate gneiss

1 Mafic gneiss

Conductor Axis

Drill Sites (Urvan Minerals - 2006)

Properties

Uravan Minerals (Leases & Claims)

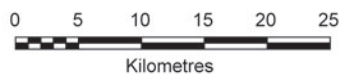
Other Companies (Leases & Claims)

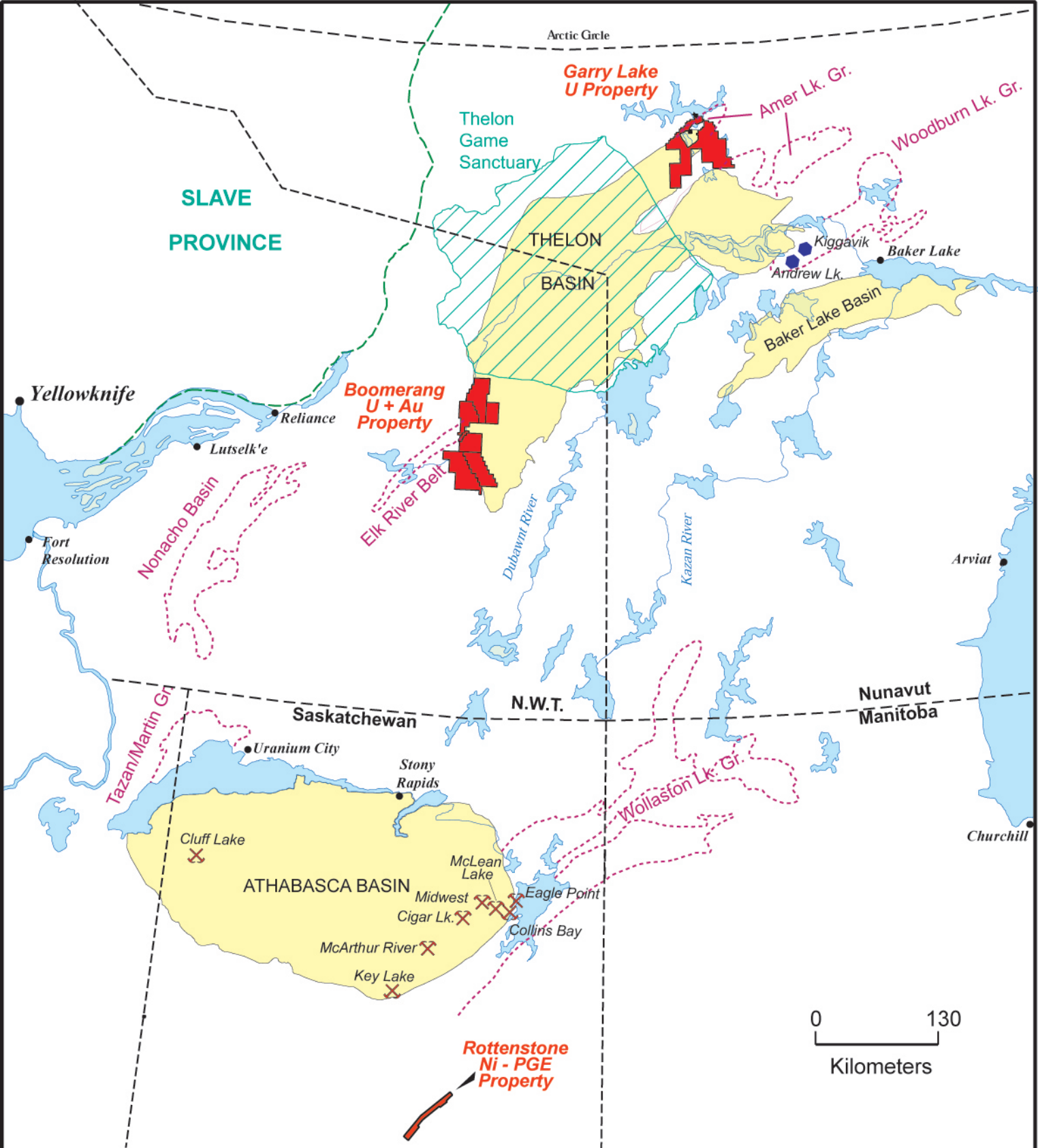
Prospecting Permits

Protected Areas

Thelon Game Reserve

Urvan Boomerang Camp Location





LEGEND

- Uravan Properties**
- Supracrustal Basins

Unconformity Related Uranium Deposits

- Prospects
- Producing Mine
- Past Producing Mine

THELON & ATHABASCA BASINS

502000 mE

502200 mE

502400 mE

502600 mE

502800 mE

6950600 mN

6950400 mN

6950200 mN

6950000 mN

6950600 mN

6950400 mN

6950200 mN

6950000 mN

502000 mE

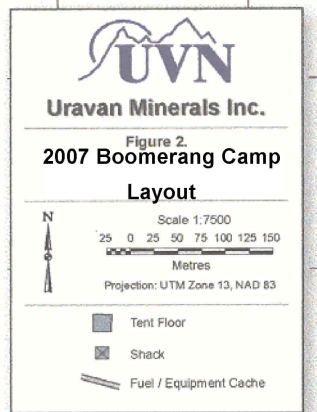
502200 mE

502400 mE

502600 mE

502800 mE

320m



SCHEDULE 1

BEST MANAGEMENT PRACTICE

**DRILLING OPERATIONS AND THE HANDLING OF
URANIUM MINERALIZATION**

SCHEDULE 1

Best Management Practices – Drilling Operations and the Handling of Uranium Mineralization

As stated in the LUP application, Uravan Minerals Inc. (“Uravan”) will be utilizing a Boyles 37-A (approximate total weight 4,000 – 4,500 kg) core drill to drill up to 10 NQ-size (47.6 mm in diameter) reconnaissance core drill holes.

The drilling contract will be conducted by Titan Drilling Ltd. (“Titan”) of; P.O. Box 2305 Yellowknife, NT, X1A 2P7, 867 766-2850. Uravan will work diligently and responsibly with the Management and Employees of Titan to ensure that the proposed drill program will be conducted in a very safe and environmentally responsible – conscience manner. The following point by point summary lists Best Management Practice (“BMP’s”) procedures that Uravan will adhere to. These “BMP’s” have been derived from reviewing the Mackenzie Valley Land Use Regulations, Mineral Exploration Guidelines for Saskatchewan as well Cameco Exploration Health & Safety Manual with specific reference to Instructions for Working with Mineralized Material (Uranium).

1. Uravan’s Field Supervisor will contact the Inspector at least forty-eight (48) hours prior to the commencement of the reconnaissance core drilling program.
2. No drilling activity will take place within 30 m of a known monument or a known suspected historical, archaeological site or burial ground; without an expressly authorized permit.
3. No drilling activity will take place within 100 m of the ordinary high water mark of a water body without written approval from the Inspector.
4. No clearing – leveling of drill sites will be required. The drill will be positioned on four 16 foot timbers (provided by “Titan”) then leveled if required to provide a level and safe operating surface for the core drilling. The timbers will be moved from drill site to drill site.
5. The total surface area required per drill site (including the drill, storage of drill rods, drill equipment, fuel and the storage of the drill core drilled per shift) will not exceed 10 m x 10 m (100 m²).
6. Water to the drill will be supplied by a Bean 420 water pump and then supplied to the drill via a 2.54 cm (1 inch) diameter water line at a rate of 36.4 – 45.5 litres per minute. Water will be taken from the nearest reliable source and the intake valve will be screened off to prevent the entrainment of fish. To prevent freezing of the water supply to the drill, the water will be heated by a propane fired coil stove positioned between the water intake pump and the drill.
7. HQ-size casing that will produce a drill hole size of approximately 63.5 mm in diameter will be used to initiate the drill hole from surface and will be drilled to bedrock at which point the NQ-size drilling tools producing a drill hole approximately 47.6 mm in diameter will be utilized inside the HQ-size casing. All rods – casing will be removed from the drill hole upon completion. In the event that the HQ-size casing or NQ-size rods cannot be retrieved, the casing will be cut off at ground level.

8. During the setting of casing (drilling through overburden) water will be pumped down the drill hole at a rate of 68.2 litres per minute. Environmentally friendly and biodegradable drilling additives Extreme Super G Gold, Extreme Super G Blue and Bentonite (Extreme Extra High Yield Gel) as required will be mixed with the drilling water. The drill mud is formulated to lift 95-100% of the drill cuttings provided there is full return of the drilling water / additive / mud mixture back up the drill hole. During overburden drilling, the drill mud to cutting ratio will be approximately 50:50. Should return be lost during the setting of casing, lost circulation materials (Extreme Stop) including possibly cement will be used to regain as close to full return as possible. It is imperative that full return (as close as possible) is maintained throughout the drilling of overburden and bedrock.

Schedule 2 lists the MSDS specifications for all drilling additives, lubricants and materials anticipated to be used in the proposed reconnaissance drill program and discussed in this summary, as well as some products that will be on site but may or may not be used depending on the drilling conditions encountered.

9. Once drill casing is set the drilling of bedrock will commence. The amount of drill mud will be reduced and Calcium Chloride will be introduced and a solution of approximately 12 % salinity per 1000 litre tank (250 gallon) or 1.5 bags per 1000 litre water tank will be used to prevent permafrost from enclosing the drill hole. Depending on ground conditions within bedrock drill mud and drilling additives may have to be used (Extreme Extra High Yield Gel, Extreme Super G Gold, and Extreme Super G Blue) continually. The drill return will consist of approximately 90% drill fluids to 10% drill cuttings depending on ground conditions.
10. During overburden drilling all return cuttings mainly sand will accumulate around the drill collar. Once drilling in bedrock (coring) commences the drill return – cuttings will be channeled or pumped if required to the nearest natural depression (natural sump) no less than 100 m from any natural water source. Note, care will be taken and the natural sump will be continually monitored to ensure that cuttings – returns do not flow out of the sump and thus flow back to any natural water source.
11. During the drilling within bedrock it is anticipated that Extreme Rod Grease will be used on the drill rods to lubricate the drill hole. The product is environmentally friendly, biodegradable (comprised of vegetable oils and animal fats).
12. It is possible that during the drilling of a drill hole the drill return will be lost suggesting that the drill return has found its way into a subsurface natural formational features; notably structures within the bedrock or formational irregularities within the overburden. As all the additives / muds are biodegradable and considered environmentally friendly, lost drill return within bedrock or overburden is not considered hazardous to the environment. As mentioned earlier environmentally friendly, biodegradable products (Extreme Stop) to reestablish return will be used in an attempt to regain the drill water return.

13. If drilling is to take place on ice, a closed circuit drilling system will be employed to minimize the spreading of drill return and cuttings on the ice and ultimately into the body of water. Drill returns and cuttings collected will be disposed of on land not less than 30 m from the ordinary high water mark of a stream or water body.
14. The proposed drilling program is reconnaissance in nature and is designed to test the target areas (Figure 1) for Uranium mineralization. Uravan will have a Scintillometer in the drill shack monitoring the drilling return in the event of a Uranium intersection. If an intersection of Uranium is encountered during the drilling of any of the proposed reconnaissance drill holes, the Scintillometer will detect the Uranium at which point certain procedures – precautions will take place. Uravan and the Titan personnel will follow the following guidelines – procedures as stated in the Mineral Exploration Guidelines for Saskatchewan and specifically Best Management Practice (BMP-010) – Drilling on Land. Requirement 16; “Drill mud solids or cuttings with a uranium concentration greater than 0.05 per cent are to be collected and then disposed of down the drill hole and sealed”; and Requirement 19; “Any drill hole that encounters mineralization with a uranium content greater than 1% over a length > 1 meter, and with a meter-percent concentration > 5.0, will be sealed by grouting over the entire length of the mineralization zone and not less than 10 meters above or below each mineralization zone”. The Scintillometer mentioned above will be calibrated to detect these minimum thresholds (1000 CPS) and Uravan will follow these BMP’s in the event of a Uranium intersection in a drill hole.
15. Upon completion of all the drill holes, the drill hole will be plugged. If drilling is to take place on ice over a body of water, the drill hole will be cemented from top to bottom.
16. If a drill hole encounters flowing water the drill hole will be plugged (grouted) in such a manner to permanently prevent any further outflow of water; and if an artesian occurrence is encountered during the core drilling this will be immediately reported to the Inspector.
17. All drill sites upon completion will be returned to their original natural state. The field supervisor will ensure that all garbage has been properly collected and removed from the site. Drip pans and absorbent matting will be employed at all drill sites, pump locations where fuels – oils are transferred from a fuel – oil container to the drill and pump to collect any overflow of fuel or oils used at these locations. Drip pan material and the absorbent matting will be collected from each drill site and pump location immediately upon completion of the drill hole and disposed of accordingly (i.e., as recommended by the Inspector). If in the event some Uranium mineralization was encountered during the drilling of one of the proposed reconnaissance drill holes, the drill site area will be screened with a Scintillometer and if above background readings are detected, the uraniferous material will be collected and disposed of to a location as suggested by the Inspector.

Schedule 3 (Hazardous Substances and Waste Dangerous Goods – Management & Spill Contingency Plan) discusses the handling of fuels and procedures that will be implemented by Uravan for the handling of all fuels and materials to be used in the reconnaissance drill program and in the event of a fuel spill.

SCHEDULE 2

MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET



15640 Mountainview Dr., Surrey, BC, Canada V3S 0C6 • Toll Free 1-866-535-6699

Tel: 604-535-6699 Fax: 604-535-5493 e-mail: extreme.ron@telus.net

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EMERGENCY PHONE NO. (604) 535-6699

EXTREME SUPER-G GOLD

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 0
REACTIVITY 0
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME SUPER-G GOLD
CHEMICAL IDENTIFICATION: Polysaccharide suspension
MATERIAL USE: Drilling mud additive
WHMIS CLASSIFICATION: D2B
WORK PLACE HAZARD: Skin & eye irritant

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not dangerous goods
PACKAGE GROUP: NA
CAS NUMBER: NA
MSDS CODE: NA

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT: Ethoxylated nonyl phenol
PERCENTAGE: 1-5
CAS NUMBER: 9016-45-9
LD (50): 5100mg/kg
LC (50):

EXTREME SUPER-G GOLD

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Opaque dark yellow to beige liquid – little odour
DENSITY (SPECIFIC GRAVITY):	1.078
BOILING POINT:	Undetermined
MELTING POINT:	Undetermined
SOLUBILITY:	Dispersible
EVAPORATION RATE: (EE=1):	Undetermined
VAPOUR PRESSURE: (MM HG):	Undetermined
VAPOUR DENSITY: (AIR = 1):	Undetermined

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	Not flammable
FLAMMABLE LIMIT:	Undetermined
AUTO IGNITION TEMP:	NA
EXTINGUISHING MEDIA:	CO ₂ ; Foam; Dry Chemical; Water Spray
SPECIAL FIRE FIGHTING PROCEDURES:	NA
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Forms slippery mixture with water

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong Oxidizers & acids
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	CO ₂ , smoke on combustion

EXTREME SUPER-G GOLD

MATERIAL SAFETY DATA SHEET**SECTION 6****HEALTH HAZARDS**

ROUTE OF ENTRY:

(XX) SKIN (XX) EYE CONTACT () INHALATION (XX) INGESTION

SKIN CONTACT:

Irritant. Can cause redness & irritation

EYE CONTACT:

Severe irritant. Can cause redness & irritation

INHALATION:

Unlikely. May cause upper respiratory tract irritation

INGESTION:

May cause nausea, diarrhea and/ or abdominal cramps

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

Chemically resistant gloves

EYE PROTECTION:

Safety glasses

VENTILATION:

General mechanical

RESPIRATORY PROTECTION:

NIOSH approved organic respirator if ventilation inadequate

LEAK & SPILL PROCEDURE:

Small spills: soak up with absorbent material
Large spills: dike to contain spill to prevent water pollution. Water will cause extreme slipperiness

WASTE DISPOSAL:

Incinerate/dispose of in accordance with local disposal regulations

STORAGE REQUIREMENTS:

Store in a cool, well-ventilated area

EXTREME SUPER-G GOLD

MATERIAL SAFETY DATA SHEET**SECTION 8****FIRST AID MEASURES**

SKIN:	Immediately wash with soap & water for 5 mins. Seek medical help if irritation develops/persists
EYE:	Hold eyelids open & flush with a steady stream of water for 15 mins. Seek medical attention
INHALATION:	Unlikely. If respiratory irritation occurs, move to fresh air. If symptoms continue, seek medical help
INGESTION:	If conscious & alert, give 2 glasses water. Never give unconscious person anything by mouth. Seek medical help; do not leave unconscious person unattended. Do not induce vomiting

SECTION 9**PREPARATION DATE**

DATE ISSUED:	AUGUST 20, 1996
BY:	PRODUCT SAFETY COMMITTEE

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DATE REVISED: AUGUST 20, 2004

MATERIAL SAFETY DATA SHEET



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EXTREME TORQ-EEZ

EMERGENCY PHONE NO. (604) 535-6699

PAGE 1 OF 4

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 0
REACTIVITY 1
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME TORQ-EEZ
CHEMICAL IDENTIFICATION: Proprietary
MATERIAL USE: Drilling Fluid Lubricant
WHMIS CLASSIFICATION: Non Hazardous
WORK PLACE HAZARD: Not Available

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods
PACKAGE GROUP: Not Available
CAS NUMBER: Not Available
MSDS CODE: Not Available

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT: None Considered Hazardous
PERCENTAGE: N/A
CAS NUMBER: N/A
LD (50):
LC (50):

EXTREME TORQ-EEZ

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Amber liquid with mild odour
DENSITY (SPECIFIC GRAVITY):	1.0
BOILING POINT:	100°C
MELTING POINT:	Not Determined
SOLUBILITY:	Complete
EVAPORATION RATE: (EE=1):	Not Available
VAPOUR PRESSURE: (MM HG):	Not Available
VAPOUR DENSITY: (AIR = 1):	Not Available
pH:	9.0 - 10.0

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	N/A
FLAMMABLE LIMIT:	Aqueous Mixture - Non Flammable
AUTO IGNITION TEMP:	Not Determined
EXTINGUISHING MEDIA:	Dry Chemical, Foam CO ₂ , Water Spray
SPECIAL FIRE FIGHTING PROCEDURES:	None required
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Oxidizing Agents
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	N/A

EXTREME TORQ-EEZ

MATERIAL SAFETY DATA SHEET**SECTION 6****HEALTH HAZARDS**

ROUTE OF ENTRY:

 SKIN EYE CONTACT INHALATION INGESTION

SKIN CONTACT:

Prolonged contact may cause skin irritation.

EYE CONTACT:

May be irritating to eyes on direct contact.

INHALATION:

Not expected to present a hazard at ambient temperatures.

INGESTION:

May cause nausea and vomiting.

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

Impervious gloves, protective clothing as required.

EYE PROTECTION:

Goggles

VENTILATION:

10 Changes per hour

RESPIRATORY PROTECTION:

None normally required

LEAK & SPILL PROCEDURE:

Dam to prevent spreading. Soak up with absorbent material. Dispose of with solid waste.

WASTE DISPOSAL:

Dispose of in compliance with government regulation and local requirements.

STORAGE REQUIREMENTS:

Store in cool, dry area, away from oxidizing agents. Keep containers closed when not in use.

MATERIAL SAFETY DATA SHEET

SECTION 8

FIRST AID MEASURES

SKIN:

Wash thoroughly with soap and water.

EYE:

Flush with water for at least 15 minutes. Seek medical attention.

INHALATION:

No expected problems due to low volatility.

INGESTION:

Induce vomiting. Give two glasses of water. Consult a physician at once.

SECTION 9

PREPARATION DATE

DATE ISSUED:

AUGUST 20, 1996

BY:

PRODUCT SAFETY COMMITTEE

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EXTREME CLAY SEAM

EMERGENCY PHONE NO. (604) 535-6699

PAGE 1 OF 4

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 1
REACTIVITY 0
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME CLAY SEAM
CHEMICAL IDENTIFICATION: Polyacrylic Acid
MATERIAL USE: Specialty Clay Dispersant
WHMIS CLASSIFICATION: Class D-2B
WORK PLACE HAZARD: Skin, Eye Irritant

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods
PACKAGE GROUP: Not Applicable
CAS NUMBER: 9003-01-4:2
MSDS CODE: Not Applicable

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT: Polyacrylic Acid
PERCENTAGE: 30 - 60%
CAS NUMBER: 9003-01-4:2
LD (50): Not Available
LC (50): Not Available

EXTREME CLAY SEAM

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Liquid, water white to straw colour, mild odour
DENSITY (SPECIFIC GRAVITY):	1.3
BOILING POINT:	> 100°C
MELTING POINT:	Not Applicable
SOLUBILITY:	Soluble
EVAPORATION RATE: (EE=1):	Slower than butyl acetate
VAPOUR PRESSURE: (MM HG):	< 17.5
VAPOUR DENSITY: (AIR = 1):	Same as air
pH:	5.0 - 7.0

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	> 100°C PMCC
FLAMMABLE LIMIT:	Not available
AUTO IGNITION TEMP:	No data
EXTINGUISHING MEDIA:	Dry chemical, carbon dioxide, foam, water spray
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained respirators for fire fighting personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Acrid smoke may be generated while burning. carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents and reducing agents, contamination with reactive substances, excessive heat
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Acrid smoke, fumes when heated to decomposition. Oxides of carbon.

EXTREME CLAY SEAM

MATERIAL SAFETY DATA SHEET

SECTION 6**HEALTH HAZARDS**

ROUTE OF ENTRY:

(X) SKIN

(X) EYE CONTACT

(X) INHALATION

(X) INGESTION

SKIN CONTACT:

May be minimally irritating to sensitive skin upon prolonged direct contact.

EYE CONTACT:

May be minimally irritating to eyes upon direct contact.

INHALATION:

Product has low vapour pressure and is not expected to present a hazard at ambient temperatures. Caution should be taken to avoid misting.

INGESTION:

Product is practically non toxic by ingestion.

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

Impervious gloves, protective clothing as required

EYE PROTECTION:

Chemical goggles.

VENTILATION:

None required for normal use. Adequate ventilation required if mist is generated.

RESPIRATORY PROTECTION:

Use NIOSH - Approved air-purifying respirator if vapours are generated.

LEAK & SPILL PROCEDURE:

Absorb with earth or sand and dispose of with solid waste. Wash site after spilled material has been collected.

WASTE DISPOSAL:

Dispose in compliance with government regulations and local requirements.

STORAGE REQUIREMENTS:

Cool, dry area, away from sources of heat, alkalis, oxidizing and reducing agents. Keep containers closed when not in use.

EXTREME CLAY SEAM

MATERIAL SAFETY DATA SHEET**SECTION 8****FIRST AID MEASURES**

SKIN:

Wash thoroughly with soap and warm water

EYE:

Flush with water for at least 15 minutes.

INHALATION:

Vapour pressure is negligible. Remove victim from further exposure.

INGESTION:

Do not induce vomiting. If conscious, dilute by giving two glasses of water. Seek medical attention.

SECTION 9**PREPARATION DATE**

DATE ISSUED:

AUGUST 20, 1996

BY:

PRODUCT SAFETY COMMITTEE

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EXTREME EXTRA HIGH YIELD GEL

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PAGE 1 OF 4

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 0
REACTIVITY 1
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME EXTRA HIGH YIELD GEL
CHEMICAL IDENTIFICATION: Sodium Montmorillonite
MATERIAL USE: Drilling Mud Additive
WHMIS CLASSIFICATION: D-2(A)
WORK PLACE HAZARD: Low concentrations of free silica in airborne dust. Limited evidence as a Carcinogen from inhaled crystalline silica.

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods
PACKAGE GROUP: Not Applicable
CAS NUMBER: 1302-78-9
MSDS CODE: Not Applicable

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT:	Crystalline Silica (SiO ₂)	Crystobalite	Tridymite	Bentonite Dust
PERCENTAGE:	See Below	See Below	See Below	See Below
CAS NUMBER:	14808-60-7	14469-46-1	15468-32-3	1302-78-9
LD (50):	Not Determined	Not Determined	N/D	N/D
LC (50):	Not Determined	Not Determined	N/D	N/D
OSHA PEL:	.1 mg/M ³	.05 mg/M ³	.05 mg/M ³	5 mg/M ³
ACGIH TVL:	.1 mg/M ³	.05 mg/M ³	.05 mg/M ³	N/D

EXTREME EXTRA HIGH YIELD GEL

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Bluegray to green as moist solid, light tan to gray as dry powder. No odour.
DENSITY (SPECIFIC GRAVITY):	2.4 - 2.55
BOILING POINT:	Not Applicable
MELTING POINT:	Approx. 1450°C
SOLUBILITY:	Insoluble, forms colloidal suspension.
EVAPORATION RATE: (EE=1):	N/A
VAPOUR PRESSURE: (MM HG):	N/A
VAPOUR DENSITY: (AIR = 1):	N/A

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	N/A
FLAMMABLE LIMIT:	N/A
AUTO IGNITION TEMP:	N/A
EXTINGUISHING MEDIA:	None for product. Any media for packaging.
SPECIAL FIRE FIGHTING PROCEDURES:	None
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None. Product becomes slippery when wet.

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	None
HAZARDOUS POLYMERIZATION:	None
HAZARDOUS DECOMPOSITION PRODUCTS:	None

MATERIAL SAFETY DATA SHEET**EXTREME EXTRA HIGH YIELD GEL****SECTION 6****HEALTH HAZARDS**

ROUTE OF ENTRY:

 SKIN EYE CONTACT INHALATION INGESTION

SKIN CONTACT:

EYE CONTACT:

INHALATION:

Possible drying resulting in dermatitis.

Mechanical Irritant

Acute (short term): Dust levels exceeding PEL may cause irritation of upper respiratory tract.

Chronic (long term): Exposure to dust levels higher than TLV may lead to silicosis or other respiratory problems.

INGESTION:

No adverse effects.

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

EYE PROTECTION:

VENTILATION:

RESPIRATORY PROTECTION:

LEAK & SPILL PROCEDURE:

WASTE DISPOSAL:

STORAGE REQUIREMENTS:

Generally not necessary.

Goggles may be preferred if dusty conditions develop.

Mechanical, general room ventilation. Use local ventilation to maintain REL's/TLV's.

Use respirators approved by NIOSH/MSHA for silica dust.

Avoid breathing dust. Wear silica approved respirator. Vacuum up to avoid generating dust.

Avoid using water, product becomes slippery.

Dispose of in compliance with local and government regulations.

Store in dry area. Product becomes slippery when wet.

EXTREME EXTRA HIGH YIELD GEL

MATERIAL SAFETY DATA SHEET

SECTION 8

FIRST AID MEASURES

SKIN:

Wash with soap and water until clean.

EYE:

Flush with water until irritation ceases.

INHALATION:

Move to dust free area. Inhalation may aggravate existing respiratory illness. Seek medical attention if symptoms persist.

INGESTION:

No adverse effects from small quantities.

SECTION 9

PREPARATION DATE

DATE ISSUED:

AUGUST 20, 1996

BY:

PRODUCT SAFETY COMMITTEE

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EXTREME LINSEED LUBE

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PAGE 1 OF 4

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 1
REACTIVITY 0
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME LINSEED LUBE
CHEMICAL IDENTIFICATION: Linseed Soap
MATERIAL USE: Lubricating Compound
WHMIS CLASSIFICATION: N/A
WORK PLACE HAZARD: N/A

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods
PACKAGE GROUP: N/A
CAS NUMBER: N/A
MSDS CODE: N/A

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT: Linseed Soap
PERCENTAGE: 100%
CAS NUMBER: Mixture
LD (50):
LC (50):

EXTREME LINSEED LUBE

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Brown Colour, Semi-Solid Grease, Slight Hydrocarbon Odour.
DENSITY (SPECIFIC GRAVITY):	1.0
BOILING POINT:	100°C
MELTING POINT:	Not Available
SOLUBILITY:	Soluble
EVAPORATION RATE: (EE=1):	Not Available
VAPOUR PRESSURE: (MM HG):	Not Available
VAPOUR DENSITY: (AIR = 1):	Not Available

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	222°C
FLAMMABLE LIMIT:	Not Available
AUTO IGNITION TEMP:	343°C
EXTINGUISHING MEDIA:	Dry Chemical, Foam, Water Fog, CO ₂
SPECIAL FIRE FIGHTING PROCEDURES:	No special requirements. Caution, Spilled Material is slippery.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None currently known.

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	No Data
INCOMPATIBILITY (CONDITIONS TO AVOID):	Not Available
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	No Data

EXTREME LINSEED LUBE

MATERIAL SAFETY DATA SHEET

SECTION 6**HEALTH HAZARDS**

ROUTE OF ENTRY:

 SKIN EYE CONTACT INHALATION INGESTION

SKIN CONTACT:

Prolonged and repeated contact may cause drying of skin resulting in irritation and dermatitis.

EYE CONTACT:

May cause eye irritation.

INHALATION:

Oil mist or vapours from hot grease may cause irritation of upper respiratory tract.

INGESTION:

Harmful if swallowed.

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

Impervious gloves and protective clothing as required.

EYE PROTECTION:

No special requirements under normal conditions.

VENTILATION:

No special requirements under normal conditions.

RESPIRATORY PROTECTION:

None required under normal use. Otherwise use self-contained respirator if conditions of oil mist exist.

LEAK & SPILL PROCEDURE:

Contain and gather up with use of absorbent material.

WASTE DISPOSAL:

Dispose of in compliance with local and government regulations.

STORAGE REQUIREMENTS:

Store in a cool, dry area. Keep containers closed when not in use.

EXTREME LINSEED LUBE**MATERIAL SAFETY DATA SHEET****SECTION 8****FIRST AID MEASURES**

SKIN: Wipe excess from skin. Wash with mild soap and water. Remove contaminated clothing.

EYE: Flush with water for at least 15 minutes.

INHALATION: Not ordinarily required under normal conditions. Remove victim from further exposure.

INGESTION: Do not induce vomiting. Obtain medical attention immediately.

SECTION 9**PREPARATION DATE**

DATE ISSUED: AUGUST 20, 1996

BY: PRODUCT SAFETY COMMITTEE

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EXTREME NUMBER ONE

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PAGE 1 OF 5

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 0
REACTIVITY 0
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME NUMBER ONE
CHEMICAL IDENTIFICATION: Acrylamide, Acrylate Copolymer
MATERIAL USE: Drilling Fluid Additive
WHMIS CLASSIFICATION: Not Regulated
WORK PLACE HAZARD: Not Applicable

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods
PACKAGE GROUP: Not Applicable
CAS NUMBER: Not Applicable
MSDS CODE: Not Applicable

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT: None Considered Hazardous
PERCENTAGE: Not Available
CAS NUMBER: Not Available
LD (50): Not Available
LC (50): Not Available

EXTREME NUMBER ONE

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Slight, mild odour, white, granular solid
DENSITY (SPECIFIC GRAVITY):	.80
BOILING POINT:	Not Available
MELTING POINT:	Not Available
SOLUBILITY:	Soluble
EVAPORATION RATE: (EE=1):	Not Available
VAPOUR PRESSURE: (MM HG):	Not Available
VAPOUR DENSITY: (AIR = 1):	Not Available

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	Not Applicable
FLAMMABLE LIMIT:	Not Available
AUTO IGNITION TEMP:	No Data
EXTINGUISHING MEDIA:	Dry Chemical, Carbon Dioxide, Foam
SPECIAL FIRE FIGHTING PROCEDURES:	Self-Contained Respirators For Fire Fighting Personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Products of incomplete combustion and oxides of nitrogen and carbon.

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents and highly alkaline solutions
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	None

EXTREME NUMBER ONE

MATERIAL SAFETY DATA SHEET**SECTION 6****HEALTH HAZARDS**

ROUTE OF ENTRY:

 SKIN EYE CONTACT INHALATION INGESTION

SKIN CONTACT:

May be minimally irritating to sensitive skin upon prolonged direct contact.

EYE CONTACT:

May be minimally irritating to eyes upon direct contact.

INHALATION:

May cause irritation to nose and throat.

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

Impervious gloves, protective clothing as required
Goggles.

EYE PROTECTION:

General mechanical; 10 changes per hour.

VENTILATION:

Approved dust mask; MESA type

RESPIRATORY PROTECTION:

Ventilate area, wear rubber boots, gloves and a self-contained respirator if ventilation inadequate.

LEAK & SPILL PROCEDURE:

Collect into waste container. wash site after pick up. Water solutions extremely slippery.

WASTE DISPOSAL:

Dispose in compliance with government regulations and local requirements.

STORAGE REQUIREMENTS:

Cool, dry area, away from oxidizing and reducing agents. Keep containers closed when not in use. Avoid prolonged contact when handling. Do not inhale dust.

EXTREME NUMBER ONE**MATERIAL SAFETY DATA SHEET****SECTION 8****FIRST AID MEASURES**

SKIN:

Wash thoroughly with soap and warm water

EYE:

Flush with water for at least 15 minutes. Seek medical attention.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

INGESTION:

Do not induce vomiting. If conscious, dilute by giving two glasses of water. Seek medical attention.

SECTION 9**PREPARATION DATE**

DATE ISSUED:

AUGUST 20, 1996

BY:

PRODUCT SAFETY COMMITTEE

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DATE REVISED:

AUGUST 20, 2004

MATERIAL SAFETY DATA SHEET

EXTREME NUMBER ONE

ADDENDUM

SECTION 10ECOLOGICAL INFORMATION

ACUTE TOXICITY:

- Oral: LD50/oral/rat > 5000 mg/kg
- Dermal: The results of lab testing showed this material to be non-toxic even at high dose levels.
- Inhalation: The product is not expected to be toxic by inhalation.

IRRITATION:

- Skin: The results of lab testing showed this material to be non-irritating to the skin.
- Eyes: Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have no conjunctivae.

SENSITIZATION:

The results of lab testing showed this material to be non-sensitizing.

CHRONIC TOXICITY:

The results of extensive lab testing did not reveal adverse health effects.

ECOTOXICITY

- Fish: LC50 / Fathead minnows / 96 hours > 1000 mg/l
- Algae: EC50 / Selenastrum capricornutum > 96 hours > 500 mg/l

Bioaccumulation:

The product is not expected to bioaccumulate.

Persistence / degradability:

Not readily biodegradable.

MATERIAL SAFETY DATA SHEET



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EXTREME ROD GREASE

EMERGENCY PHONE NO. (604) 535-6699

PAGE 1 OF 4

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 0
FIRE 1
REACTIVITY 0
OTHER: A (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME ROD GREASE
CHEMICAL IDENTIFICATION: Petroleum Hydrocarbon
MATERIAL USE: Thick composition, industrial lubricant
WHMIS CLASSIFICATION: Not controlled
WORK PLACE HAZARD: Not applicable

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not dangerous goods
PACKAGE GROUP: Not applicable
CAS NUMBER: Not applicable
MSDS CODE: Not applicable

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT: Mixture of hydrotreated neutral base oil and additives
PERCENTAGE: 100%
CAS NUMBER: Not applicable
LD (50): Acute oral toxicity (Rat): 5000 Mg/Kg
LC (50): Not determined
TLV-TWA: 5 Mg/m³ (Oil Mist)

EXTREME ROD GREASE

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Long fibered grease, greenish brown colour, mild grease like odour.
DENSITY (SPECIFIC GRAVITY):	.89
BOILING POINT:	260°C
MELTING POINT:	Not available
SOLUBILITY:	Insoluble in cold water, soluble in non-polar hydrocarbon solvents.
EVAPORATION RATE: (EE=1):	Not available
VAPOUR PRESSURE: (MM HG):	0.0075 @ 20°C
VAPOUR DENSITY: (AIR = 1):	Not available

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	252°C
FLAMMABLE LIMIT:	Not available
AUTO IGNITION TEMP:	316°C
EXTINGUISHING MEDIA:	Dry chemical, foam, CO ₂ , water spray, fog
SPECIAL FIRE FIGHTING PROCEDURES:	None required
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid excessive heat, highly reactive with oxidizing agents.
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon and nitrogen, irritating fumes and smoke as products of incomplete combustion.

EXTREME ROD GREASE

MATERIAL SAFETY DATA SHEET

SECTION 6**HEALTH HAZARDS**

ROUTE OF ENTRY:

 SKIN EYE CONTACT INHALATION INGESTION

SKIN CONTACT:

EYE CONTACT:

INHALATION:

INGESTION:

Non-irritating; for prolonged exposure wear gloves.

May irritate the eyes

Low vapour pressure, not expected to present inhalation exposure under normal conditions.

Low toxicity on ingestion; has laxative effect and rapidly eliminated.

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

None normally required. Personal preference suggest gloves, boots and long sleeved clothing.

EYE PROTECTION:

Wear safety glasses/goggles.

VENTILATION:

No special ventilation required for normal conditions.

RESPIRATORY PROTECTION:

None normally required. If mist generated by heating or spraying wear an organic vapour respirator with mist filter.

LEAK & SPILL PROCEDURE:

Contain spill. Use appropriate tools to place spilled material in a container for reclaiming or disposal.

WASTE DISPOSAL:

Dispose of in compliance with local and government regulations.

STORAGE REQUIREMENTS:

Store in cool, dry area away from oxidizing agents. Keep containers tightly closed when not in use.

EXTREME ROD GREASE

MATERIAL SAFETY DATA SHEET

SECTION 8**FIRST AID MEASURES**

SKIN:	Wash gently and thoroughly with mild soap and water. Remove and launder contaminated clothes.
EYE:	Immediately flush eyes with running water for at least 15 minutes. Keep eyelids open. Do not use an eye ointment. Seek medical attention if irritation persists.
INHALATION:	Not expected under normal conditions. Remove victim to safe area, perform mouth to mouth resuscitation if victim is not breathing. Seek medical attention.
INGESTION:	Do not induce vomiting. Has laxative effect; rapidly eliminated. Medical assessment advised.

SECTION 9**PREPARATION DATE**

DATE ISSUED:	AUGUST 20, 1996
BY:	PRODUCT SAFETY COMMITTEE

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EXTREME SUPER TROL

EMERGENCY PHONE NO. (604) 535-6699

PAGE 1 OF 4

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 0
FIRE 0
REACTIVITY 0
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME SUPER TROL
CHEMICAL IDENTIFICATION: Semi Synthetic Cellulose
MATERIAL USE: Drilling Fluid Additive
WHMIS CLASSIFICATION: Not Regulated
WORK PLACE HAZARD: Not Regulated

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not Dangerous Goods
PACKAGE GROUP: Not Applicable
CAS NUMBER: Not Applicable
MSDS CODE: Not Applicable

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT: No Hazardous Ingredients
PERCENTAGE: N/A
CAS NUMBER: N/A
LD (50):
LC (50):

EXTREME SUPER TROL

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Free flowing white powder. No appreciable odour.
DENSITY (SPECIFIC GRAVITY):	1.55
BOILING POINT:	N/A
MELTING POINT:	N/A
SOLUBILITY:	Soluble
EVAPORATION RATE: (EE=1):	N/A
VAPOUR PRESSURE: (MM HG):	N/A
VAPOUR DENSITY: (AIR = 1):	N/A

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	> 350°C
FLAMMABLE LIMIT:	Not determined
AUTO IGNITION TEMP:	No data
EXTINGUISHING MEDIA:	Water, water fog, foam, dry chemical, CO ₂
SPECIAL FIRE FIGHTING PROCEDURES:	No special requirements
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Becomes very slippery when contacted with water.

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents and caustic solutions.
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon

EXTREME SUPER TROL

MATERIAL SAFETY DATA SHEET**SECTION 6****HEALTH HAZARDS**

ROUTE OF ENTRY:

SKIN EYE CONTACT INHALATION INGESTION

SKIN CONTACT:

Generally not irritating

EYE CONTACT:

Dust may produce some irritation

INHALATION:

Non irritating in low concentrations. High concentrations may cause mechanical irritation of upper respiratory tract.

INGESTION:

Generally no harmful effects. May cause gastric intestinal discomfort.

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

None normally required.

EYE PROTECTION:

Nuisance dust, use goggles.

VENTILATION:

No special requirements.

RESPIRATORY PROTECTION:

Nuisance dust, use dust mask.

LEAK & SPILL PROCEDURE:

Sweep up or vacuum if dry. If wet, pick up with earth or sand.

WASTE DISPOSAL:

Dispose of in compliance with local and government regulations.

STORAGE REQUIREMENTS:

Keep containers closed when not in use. Keep dry, material becomes slippery when wet.

EXTREME SUPER TROL

MATERIAL SAFETY DATA SHEET

SECTION 8

FIRST AID MEASURES

SKIN:	Wash with soap and water.
EYE:	Flush with water at least 15 minutes.
INHALATION:	Remove from exposure.
INGESTION:	Induce vomiting, give 2 glasses of water. If adverse symptoms develop seek medical attention.

SECTION 9

PREPARATION DATE

DATE ISSUED:	AUGUST 20, 1996
BY:	PRODUCT SAFETY COMMITTEE

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PAGE 1 OF 4

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EXTREME SUPER-G BLUE

WHMIS HAZARD INDEX:

DEGREE OF HAZARD:

HEALTH 1
FIRE 2
REACTIVITY 0
OTHER: B (GLASSES & GLOVES)

HAZARD RATING:

0 LEAST
1 SLIGHT
2 MODERATE
3 HIGH
4 EXTREME

SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME: EXTREME SUPER-G BLUE
CHEMICAL IDENTIFICATION: Anionic polyacrylamides in water oil emulsion
MATERIAL USE: Drilling mud additive
WHMIS CLASSIFICATION: B3, D2B
WORK PLACE HAZARD: Combustible liquid; skin & eye irritant

TRANSPORTATION OF DANGEROUS GOODS (TDGR)

CLASSIFICATION: Not dangerous goods
PACKAGE GROUP: NA
CAS NUMBER: NA
MSDS CODE: NA

SECTION 2

HAZARDOUS INGREDIENTS

INGREDIENT:	<u>Mineral spirits</u>	<u>Alkyl Phenol Ethoxylate</u>	<u>Ethoxylated C12-15 Alcohol</u>
PERCENTAGE:	30-60	3-7	0.5-1.5
CAS NUMBER:	64742-47-8	68412-54-4	68131-39-5
LD (50):	>5 g/kg	3 g/kg	>3200 mg/kg
LC (50):	Undetermined	Undetermined	Undetermined

EXTREME SUPER-G BLUE

MATERIAL SAFETY DATA SHEET**SECTION 3****PHYSICAL DATA**

APPEARANCE AND ODOUR:	Blue liquid emulsion, slight odour
DENSITY (SPECIFIC GRAVITY):	NA
BOILING POINT:	NA
MELTING POINT:	NA
SOLUBILITY:	Forms gel
EVAPORATION RATE: (EE=1):	NA
VAPOUR PRESSURE: (MM HG):	NA
VAPOUR DENSITY: (AIR = 1):	NA

SECTION 4**FIRE AND EXPLOSION**

FLASHPOINT:	65°C (TCC)
FLAMMABLE LIMIT:	Undetermined
AUTO IGNITION TEMP:	Undetermined
EXTINGUISHING MEDIA:	Water spray, foam, dry chemical & CO ₂
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained respirators required for firefighting personnel
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Water may cause slipperiness. Sensitivity to static discharge

SECTION 5**REACTIVITY DATA**

STABILITY (THERMAL, LIGHT, ETC.):	Stable
INCOMPATIBILITY (CONDITIONS TO AVOID):	Strong oxidizing agents, strong reducing agents
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	NO _x , CO _x

EXTREME SUPER-G BLUE

MATERIAL SAFETY DATA SHEET**SECTION 6****HEALTH HAZARDS**

ROUTE OF ENTRY:

(XX) SKIN (XX) EYE CONTACT () INHALATION (XX) INGESTION

SKIN CONTACT:

Irritant. Can cause redness, inflammation and irritation on prolonged contact

EYE CONTACT:

Severe irritant. Can cause redness, tissue destruction and irritation

INHALATION:

Unlikely

INGESTION:

May cause nausea, diarrhea and abdominal cramps

SECTION 7**PREVENTATIVE MEASURES**

SKIN PROTECTION:

Chemically resistant gloves

EYE PROTECTION:

Safety glasses

VENTILATION:

General mechanical

RESPIRATORY PROTECTION:

NIOSH approved organic vapour cartridge respirator if exposure is excessive

LEAK & SPILL PROCEDURE:

Small spills: soak up with absorbent material
Large spills: dike to contain spill to prevent water pollution. Recover diked material

WASTE DISPOSAL:

Incinerate/dispose of in accordance with local regulations

STORAGE REQUIREMENTS:

Store in a cool, well-ventilated area

EXTREME SUPER-G BLUE

MATERIAL SAFETY DATA SHEET**SECTION 8****FIRST AID MEASURES**

SKIN:	Wash exposed area with soap & water. If irritation or abnormalities persist seek medical attention. Remove contaminated clothing and launder prior to re-use
EYE:	Immediately flush eyes with water for 15 mins and seek medical attention
INHALATION:	Remove to fresh air. If irritation continues, seek medical attention
INGESTION:	If conscious & alert, give 1-2 glasses water. Never give anything by mouth to an unconscious person. Seek medical attention; do not leave unconscious person unattended. Do not induce vomiting

SECTION 9**PREPARATION DATE**

DATE ISSUED:	AUGUST 20, 1996
BY:	PRODUCT SAFETY COMMITTEE

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DATE REVISED: AUGUST 20, 2004

SCHEDULE 3

**HAZARDOUS SUBSTANCES AND WASTE DANGEROUS GOOD
MANAGEMENT & SPILL CONTINGENCY PLAN**

SCHEDULE 3

Hazardous Substances and Waste Dangerous Goods (HSWDG) – Management & Spill Contingency Plan

Company President Project Manager: Larry Lahusen, P.Geo.

Project Geologist / Field – Camp Supervisor: Ian Fraser, P.Geo.

Project 24-hour contact person / phone number: Ian Fraser, contact number to be established prior to project mobilization.

Petroleum products will be used to accommodate mineral exploration (reconnaissance core drilling) at Uravan Minerals Inc. (“Uravan”) Boomerang Project, NWT. The base camp and main fuel cache for the project is located at Boomerang Lake (informal name), 104° 49’ 00” W / 62° 04’ 05” N or 502250 mE / 6950200 mN (NAD 83). Refer to Figures 1 & 2.

At the onset of the exploration program, the Project Geologist / Field – Camp Supervisor will review Environmental Spill Control Regulations, Best Management Practice strategies and any other pertinent information with respect to the handling of fuels and other hazardous materials with all camp personnel and associated contractors.

Management – Storage of Petroleum Products

Petroleum products will consist of diesel fuel to operate a core drill and to heat camp facilities and drill shack, gasoline to operate snowmachines, propane to operate camp facilities and to operate coil stoves for drilling and Jet-A to operate the support helicopter. These products will be supplied in 205 liter barrels (diesel, gasoline and Jet-A) and 45 kg bottles (propane) and will be stored in individual caches at the camp site in an area underlain by sand and within an area 100m removed (and above the ordinary high water mark) from any nearby source of water and 100m removed from camp. It is anticipated that up to 260 drums of fuel will be delivered to the base camp and cached at the base camp. The 260 drums represent a one time maximum amount that will be drawn down and eliminated through the course of the exploration program. Diesel fuel, propane and Jet-A could possibly be stored in small fuel caches near areas of reconnaissance drilling activity.

Drill lubricants, oils, antifreeze will be delivered to the project in sealed, typically 20 liter containers and will be stored with the drilling fuel.

Spill Contingency Plan

In the event of a spill of any of the petroleum products listed above, the following procedures will be initiated having due regard for the safety of the personnel involved in the procedures:

1. Upon recognizing a spill, the observer will inform the Camp Supervisor who in turn will organize personnel and then;
2. Determine the source of the spill and take immediate action to stop the spill; close open valve, bung, and position barrel if possible in such a way to prevent / stop further spillage.
3. Contain the spill and minimize the effects of the spill.
4. Initiate clean up with resources available, notably spill kits.
5. Report the spill to; **24 Hour Spill Report Line (867) 920-8130.**
6. Report spill to company representatives; **Uravan Minerals Inc. 403 264 2630.**
7. Consult with 24 Hour Spill Report Line to determine further action, materials, manpower if necessary.
8. Complete clean up, restore as best as possible the area affected to its pre spill state.
9. Properly dispose of damaged drums and all materials used in the clean up only with the consent of the proper authorities.
10. Prepare and submit a full written report documenting, location and time of spill; the type and quantity of pollutant spilled; description of spill-site area; names of all persons notified of spill; the known causes and effects of spill; remedial action that took place with respect to the spill; and list – suggest any further action or work contemplated or required to return the affected area to its pre-spill state.

As part of the Spill Contingency Plan the following equipment – measures will be on hand, undertaken at the main fuel cache and the fuelling stations:

1. Large spill kits. Note also small spill kits will be positioned at the drill and water intake pump at camp and at each drill site and all areas where refueling takes place.
2. Receptacles such as empty drums, metal bins, and large garbage bags for the purpose of storing contaminated soak pads and spill kits.
3. Drip pans and drip pads will be utilized at all drill sites and at water intake pump locations.
4. Shovels, ice picks, additional soak padding, absorbent rolls will accompany the drill to each drill site location and will be positioned at the main fuel cache.
5. Regular inspection, maintenance of all valves, wobble pumps involved in the camp operation will be implemented as part of the camp routine.
6. Regular inspection of all fuel caches.

Lists of procedures, contact phone numbers will be placed throughout the camp site, notably in field office, kitchen, and contractor (drill) tent and in the dry.

Potential Hazardous Goods – Handling Of

The MSDS of all materials that will potentially be used in the drilling process are included in **Schedule 2** of this application.

All materials that potentially will be used have a Degree of Hazard rating of Least – Slight and hence provide very little hazard to the environment or to humans handling the material. However, it will be stressed to all personnel involved with this material to handle it in such away to prevent the breaking of seals / bags in which this material is contained in. The material will be stored on site in a manner that will prevent bags from ripping, getting wet or freezing to the ground; i.e., the Bentonite and Calcium Chloride. All other materials are transported in plastic, sealed 5 gallon pails. The pails will be stored in an upright position.

In the event of a container breaking the procedures as listed within the MSDS for the respective material will be followed to remedy the spill of that material.

As per the Fuel Contingency Plan in the event of an accident (spill, container damaged) the MSDS and specifically necessary procedures to remedy a situation, will be very accessible within the camp area (field office, kitchen, contactor office tent, dry) and at the drill.

SCHEDULE 4

BEST MANAGEMENT PRACTICE

ARCHAEOLOGICAL AND CULTURAL SITES

SCHEDULE 4

Archaeological and Cultural Sites – Best Management Practice

As per the information available at the Prince of Wales Northern Heritage Centre website, the following procedures will be undertaken by all Uravan Minerals personnel and associated contractors in the event of discovering an archaeological – cultural site, within the confines of Uravan Minerals Inc. exploration property.

- As part of our Application the License Agreement between Uravan Minerals Inc. and the Prince of Wales Northern Heritage Centre will be executed and approved.
- As per Section 6 (a) of the Mackenzie Valley Land Use Regulations; Uravan will not conduct a land use operation within 30 m of a known monument or a known or suspected historical, archaeological site or burial ground.
- Upon discovery of an archaeological – cultural site, work will cease, a 30 m buffer will be established, the location will be photographed, the location noted utilizing GPS coordinates and the site will be reported to the Prince of Wales Northern Heritage Centre.

The guidelines and reporting procedures that are available at the Prince of Wales Northern Heritage Centre website are contained herein. Note these procedures will be thoroughly reviewed and discussed with all Uravan personnel and associated contractors.

Reporting the Discovery of Archaeological Sites in the NWT

Human occupation in the NWT spans at least the past 7,000 years. Much of this human history is documented only in archaeological and historic sites. Archaeological sites in the NWT and the heritage information that they contain constitute a unique resource, which is of considerable cultural and scientific value to the people of the NWT, Canada, and indeed, the world. Heritage resources are fragile, and because of their cultural and scientific importance they are protected under legislation. The Prince of Wales Northern Heritage Centre manages heritage resources throughout the Northwest Territories on behalf of the territorial and federal governments. Archaeological sites are protected by law, and as such are subject of land use review whenever a project is proposed anywhere in the NWT. Only qualified archaeologists holding a valid NWT Archaeologists Research Permit can undertake archaeological research. Sometimes however, archaeological sites are discovered during the course of other activities. By reporting these finds you will help ensure that the heritage resources of the NWT are properly documented and protected.

What should you do if you find an archaeological site during the course of your work?

- Do not disturb or collect any of the artifacts. Leave them where you found them.
- Take two or three representative photographs of the site
- Describe the nature and extent of the site and any artifacts noted
- Take a GPS reading of the location (noting the datum used)
- Mark the location on a 1:50,000 scale map
- Record the date of your discovery

Please send this information to:

Territorial Archaeologist
Prince of Wales Northern Heritage Centre
Yellowknife NT X1A 2L9
Telephone: 867-873-7688
Fax: 867-873-0205
Email: archaeology@gov.nt.ca



For more information visit our web site at <http://www.pwnhc.ca>

Heritage Resources and Land Use Review in the Northwest Territories

The Prince of Wales Northern Heritage Centre manages heritage resources throughout the Northwest Territories on behalf of both the territorial and federal governments. Archaeological sites are protected by law, and as such are subject of land use review whenever a project is proposed anywhere in the NWT. Under the *Mackenzie Valley Resource Management Act* "heritage resources" are defined as archaeological or historic sites, burial sites, artifacts and other objects of historical, cultural or religious significance, and historical or cultural records. Furthermore under Part 5 of the Act, an "impact on the environment" means any effect on land, water, air or any other component of the environment, as well as on wildlife harvesting, and includes any effect on the social and cultural environment or on heritage resources.

The Mackenzie Valley Land Use Regulations (MVLUR) stem from the *Mackenzie Valley Resource Management Act*, and apply throughout the NWT, except in the Inuvialuit Settlement Region. Two sections of the MVLUR are relevant to archaeological sites:

Section 6 (a). Unless expressly authorized by a permit or in writing by an inspector, no permittee shall conduct a land use operation within 30 m of a known monument or a known or suspected historical, archaeological site or burial ground; and

Section 12. Where, in the course of a land-use operation, a suspected historical or archaeological site or burial ground is discovered,
(a) the permittee shall immediately suspend operations on the site or burial ground and notify the Board or an inspector; and
(b) the Board or inspector shall notify any affected First Nation and the department of the Government of the Northwest Territories responsible therefor of the location of the site or burial ground and consult them regarding the nature of the materials, structures or artifacts and any further actions to be taken.

Within the Inuvialuit Settlement Region the Territorial Land Use Regulations, pursuant to the *Territorial Lands Act* apply on federal crown land. Again, two sections are relevant to archaeological sites:

Section 10 (a). No permittee shall, unless expressly authorized in his permit or expressly authorized in writing by an inspector conduct a land use operation within 30 m of a known monument or a known or suspected archaeological site or burial ground; and

Section 16. Where, in the course of a land use operation, a suspected archaeological site or burial ground is unearthed or otherwise discovered, the permittee shall immediately

(a) suspend the land use operation on the site; and

(b) notify the engineer or an inspector of the location of the site and the nature of any unearthed materials, structures or artifacts.

Finally, settlement legislation for the Gwich'in and Sahtu land claims contain chapters relevant to heritage resources. The provisions in these chapters commit government to consulting with land claim authorities whenever changes to legislation, regulations, or policy protecting heritage resources is proposed.

On Inuvialuit private lands the *Inuvialuit Lands Administration Rules and Procedures* apply. One section is relevant to the protection of archaeological sites:

Section 19(9) Where in the course of an operation, a suspected archaeological site or burial ground is unearthed or otherwise discovered, the Holder shall immediately:

(a) suspend the operation on the site; and

(b) notify the Administrator or an Inspector of the location of the site and the nature of any unearthed materials, structures or artifacts.

Land use permit application review in the Mackenzie Valley is conducted under the authority of the *Mackenzie Valley Resource Management Act* and its regulations, and is undertaken by land and water boards established pursuant to legislation. Under the authority of the MVRMA, the Mackenzie Valley includes all area of the Northwest Territories excluding the Inuvialuit Settlement Region. In the Gwich'in settlement region land use permits are vetted by the Gwich'in Land and Water Board, by the Sahtu Land and Water Board in the Sahtu settlement region, and by the Mackenzie Land and Water Management Board in the remaining area of the Mackenzie Valley.

The Mackenzie Valley Environmental Impact Review Board (MVEIRB) undertakes environmental assessments or environmental impact reviews for any developments referred to it by regulators e.g., land and water boards, government, Gwich'in Tribal Council (GTC), Sahtu Secretariat Incorporated (SSI) or itself because the developments might have a significant adverse impact or might be a cause of public concern.

Indian and Northern Affairs Canada (INAC) reviews and issues leases, licences of occupation, easements, and other permits or licences related to land disposition on crown land throughout the Mackenzie Valley, though these usually require land use permits as well, and are therefore also reviewed by the respective land and water board. INAC also provides inspection services for the land and water boards. Within the Inuvialuit Settlement Region, the Inuvialuit Lands Administration

reviews and issues permits for projects on Inuvialuit lands, while INAC assumes this responsibility for federal crown lands.

Heritage resources on Commissioner's Lands are protected under the *Historical Resources Act*.

Section 9(1). Whenever, in the opinion of the Commissioner, any prehistoric or historic remains, whether or not designated as an historic place under this ordinance or under the Historic Sites and Monuments Act of Canada is threatened with destruction by reason of commercial, industrial, mining, mineral exploration or other activity, the Commissioner may order the persons undertaking the activity to provide for adequate investigation, recording and salvage of prehistoric or historic objects threatened with destruction.

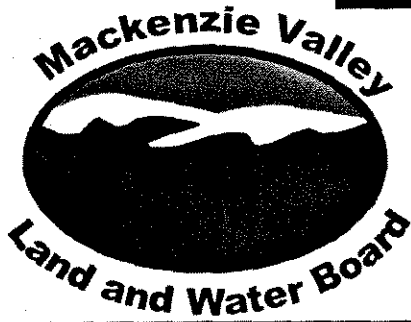
Within community boundaries, the Government of the Northwest Territories (GNWT) department Municipal and Community Affairs (MACA) administers leases, land use permits, and quarry permits on Commissioner's Lands and through an agreement with the federal government also administers leases on federal crown lands. The land and water boards issue land use permits and INAC issues quarry permits on crown land within community boundaries.

All of the agencies above routinely forward applications to the Prince of Wales Northern Heritage Centre (PWNHC) to be reviewed for potential impact to known or suspected archaeological resources. Based on this review staff make a judgement as to whether a development will have a negative impact on heritage resources and provide this advice in the form of a recommendation to the regulatory or review agency. We currently review about 300 of these applications per year.



For more information visit the archaeology page at the PWNHC website:

<http://pwnhc.ca/programs/archa.htm>



Mackenzie Valley Land and Water Board
7th Floor - 4910 50th Avenue
P.O. Box 2130
YELLOWKNIFE NT X1A 2P6
Phone (867) 669-0506
FAX (867) 873-6610

FOR OFFICE USE ONLY

Cheques are to be made payable to "Receiver General of Canada"

Proponent Name: Urawon Minerals Inc.

Application Number LUP: MV2007C0038 WL: _____

Application Fee Amount: \$150.00 } Receipt Number: _____

Land Use Fee Amount: \$201.50 } C148503
Receipt Number: _____

Paid by Cash or Cheque #: 000235
(Please circle)

J. Ward
Signature

12 May 15/07
Date



GENERAL RECEIPT
RÉCÉPISSÉ GÉNÉRAL

148503

Date <i>May 15/07</i>		Nature and no. of remittance - Forme et n° de la remise <i>cheque #000235</i>		Invoice no. - N° de facture <i>Apr. 28/07</i>		Branch - Direction <i>MVLWB</i>	
Received the sum of - Reçu la somme de <i>Three hundred and fifty-one</i>				Location - Endroit <i>YK</i>			
				50/ 100 Dollars		<i>\$351.50</i>	

From - De

For - Pour

Uravan Minerals Inc
2526 Battledora Ave SW, Suite 124
Calgary AB T3E 7J4

Application for Land
Use Permit - MV2007C0038

J Ward

Authorized officer - Fonctionnaire autorisé