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SELWYN PROJECT

SAHTU LAND AND WATER BOARD
LAND USE PERMIT APPLICATION

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LAND USE PERMIT APPLICATION

SAHTU Land and Water Board Land Use Permit Application

Application for:
New Land Use Permit

Amendment

<p>1. Applicant's name and mailing address:</p> <p>Pacifica Resources Ltd. #701, 475 Howe Street Vancouver, BC V6C 2B3</p>	<p>Fax number: 1-604-682-5404</p>
<p>2. Head office address:</p> <p>Pacifica Resources Ltd. #701, 475 Howe Street Vancouver, BC V6C 2B3</p> <p>Field supervisor: J.J. O'Donnell, BSc, PGeo</p> <p>Radiotelephone: T.B.A.</p>	<p>Fax number: 1-604-682-5404</p> <p>Telephone number: 1-604-682-5474</p>
<p>3. <u>Other personnel (subcontractor, contractors, company staff etc.)</u></p> <p>The program will consist of up to 4 diamond drills operating 24 hours/day, 7 days/week for approximately 24 weeks/season. All support for the program (camps, fuel, personnel, etc.) are based out of camps in the Yukon. The frequency, numbers, and professions of those involved are described below.</p> <p>Helicopter</p> <ul style="list-style-type: none"> 1 Pilot as required for the duration of the program (approximately 24 weeks/season). The helicopter is used to bring crews and/or supplies to the drill. It is based in Pacifica's exploration camps in the Yukon and so will only be on site in the NWT as required at shift changes or to bring supplies to the drill. <p>Drilling Contractor</p> <ul style="list-style-type: none"> Up to 4 drillers and 4 helpers, 24 hours/day, 7 days/week for the duration of the program (approximately 24 weeks/season) <p>Pacifica Resources Ltd.</p> <ul style="list-style-type: none"> Up to 4 geologists/geologist helpers as required for the duration of the program. The geologists control the drills and so are come on site as needed to inspect the drill core and direct drill moves. 1 Environmental Compliance Co-ordinator (ECC) as required for the duration of the program. The ECC reviews closed drill sites to document that proper closure and reclamation have been carried and may occasionally respond to drill sites to assist drill crews with environmental tasks. 1 Equipment operator as required for the duration of the program. Drills are towed by CAT to new drill locations. A CAT operator is needed to operate the machine and establish CAT trails to new sites where required and occasionally carry out reclamation work by recontouring disturbed areas. <p>TOTAL: At any given time, the maximum number of people working on the drill program on claims will be 14.</p>	
<p>4. Eligibility: (Refer to section 18 of the <i>Mackenzie Valley Land Use Regulations</i>)</p>	

a)(i) X a)(ii) a)(iii) b)(i) b)(ii)

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

The purpose of the operation is to explore for and characterize subsurface mineral resources.

The nature of the activity requiring a Type B Land Use Permit includes diamond drilling for mineral resources with diamond drills not exceeding 2.5 t gross weight and the clearing/leveling of trails as required to move diamond drills.

The location of the activities is within the bounds of Mineral Leases 2878 and 2879 and Mineral Claim blocks F66410-12, F6 8549, and F9233. See attached Map 1. These leases and claims are held and maintained in good standing by the applicant, Pacifica Resources Ltd.

Description of Activity

Pacifica resources is currently carrying out mineral exploration at Howards Pass in the Yukon under Land Use Permit LQ00017. This Land Use Permit allows for the establishment of camps, storage of fuel, carrying out of diamond drilling and other mineral exploration activities, clearing of trails, and other activities required by advanced mineral exploration. The Company has established 2 camps capable of supporting 40 people each, is operating 8 to 10 diamond drills on their mineral claims, and is using 2 airstrips located on the property in the Yukon to support the operation. The company has heavy equipment (CATs, backhoe, excavator) at the mineral properties in the Yukon as well as helicopters and necessary service crews. Drills are moved by towing on a sled with the CAT (requires use of existing trails and/or creation of new CAT trails) or by helicopter lift.

The Company holds several mineral leases and claim blocks in the Northwest Territories, less than 1 km from the existing camps and support infrastructure. This Land Use Permit Application is intended allow the company to extend their exploration activities to these claims and leases using the existing camps, infrastructure, and equipment that are currently already in operation on the Yukon side of the border.

The permit application does not request the development of any new camps or infrastructure in the Northwest Territories. The company will simply use helicopters and CATs to move drills to the claims in the NWT. All crews and equipment will be supported from existing camps that are permitted in the Yukon.

There will be up to four drills in operation on these claims and leases. They will operate from approximately June to November each field season. The duration requested by the Land Use Permit Application is 5 years (5 seasons).

Surface disturbance will be limited to small areas as required to establish drill sites. In these areas vegetation (if below tree line) will be laid flat and a small area (approx. 100 m²) will be leveled to allow siting of the drill. A complete description of potential environmental effects and mitigations is provided in Attachment 1.

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

No camp is to be set up. Personnel will be based in a nearby camp in the Yukon, and will be flown by helicopter or use existing infrastructure.

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.)

See Attachment 1 – Environmental Assessment of Proposed Drill Program

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

See Attachment 2 – Restoration Plan for Proposed Drill Program

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

The mining leases and claims are located on Crown land. The nearest Sahtu Settlement Area Land Selections are approximately 100 km to the north. Yukon Mining Land Use Permit LQ00017 is the basis for permitted infrastructure requirements to support the proposed drilling program. A Type B Land Use Permit is the only permit required by the applicant to carry out the proposed activity.

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

There are no roads required for the proposed activity. Drill moves will be accomplished using existing CAT trails from previous exploration work. Some new CAT trails may be required to skid drills to previously unexplored areas. The total combined length of all new CAT trails is not likely to exceed 2 km in each year of operation and trails will not exceed 2.5 m in width.

9. Proposed disposal methods.

- | | |
|---|--|
| a) Garbage: | c) Brush & trees: |
| Managed through existing camps in the Yukon | Laid flat where they have been cleared |
| b) Sewage (Sanitary & Grey Water): | d) Overburden (Organic soils, waste material, etc.): |
| None (no camp) | Stockpiled and pulled back in place for reclamation. |

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

Type & number	Size	Proposed use
1 caterpillar tractor	D7	For moving drills and rehabilitating roads
Up to 4 diamond drills	Boyles 25A/37	For diamond drilling
water pumps	Depending on distance and drop to water source	To supply drill with water

11. Fuels	()	Number of containers	Capacity of containers	Location
Diesel		≤ 19 (< 4000 L)	45 gallon drums	Fuel cache
Diesel		3-4	45 gallon drums	Drill site
Gasoline		N/A		
Aviation fuel		≤ 19 (< 4000 L)	45 gallon drums	Fuel cache
Propane		1-2	100 lb tanks	Drill site
Other		N/A		

12. Containment fuel spill contingency plans. (Please attach separate contingency plan if necessary).

See Attachment 3 – Pacifica Resources, Environmental Policy and Practices Manual - 2007. The fuel spill contingency plan is contained therein as Appendix B.

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

All fuel will be slung in drums from main camp by helicopter to fuel caches and drill sites or moved by CAT sloop. Fuel will be pumped from drums with hand-powered and electrical pumps

14. Period of operation (includes time to cover all phases of project work applied for, including restoration)

Start	End	Description
1 June	30 November	Diamond drilling operations – drilling, trails development, siting of drill targets, environmental monitoring, drill mobilization and set ups.
1 August	30 November	Concurrent reclamation of drill sites, inspection of previously reclaimed sites as per Attachment 2 – Restoration Plan for Proposed Drill Program

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

Pacifica is requesting a Type B Land Use permit with a term of five years.

16. Location of activities by map co-ordinates (attached maps and sketches)

See attached Map 1.

Minimum latitude (degree, minute) 62°26' N

Maximum latitude (degree, minute) 62°37' N

Minimum longitude (degree, minute) 129°05' W

Maximum longitude (degree, minute) 129°35' W

Map Sheet no. 105 I/06, 07, 10, 11, and 12

17. Applicant
Print name in full

Date

Signature

18. Fees

Application Fee – Type B Land Use \$ 150.00

Land use fee:

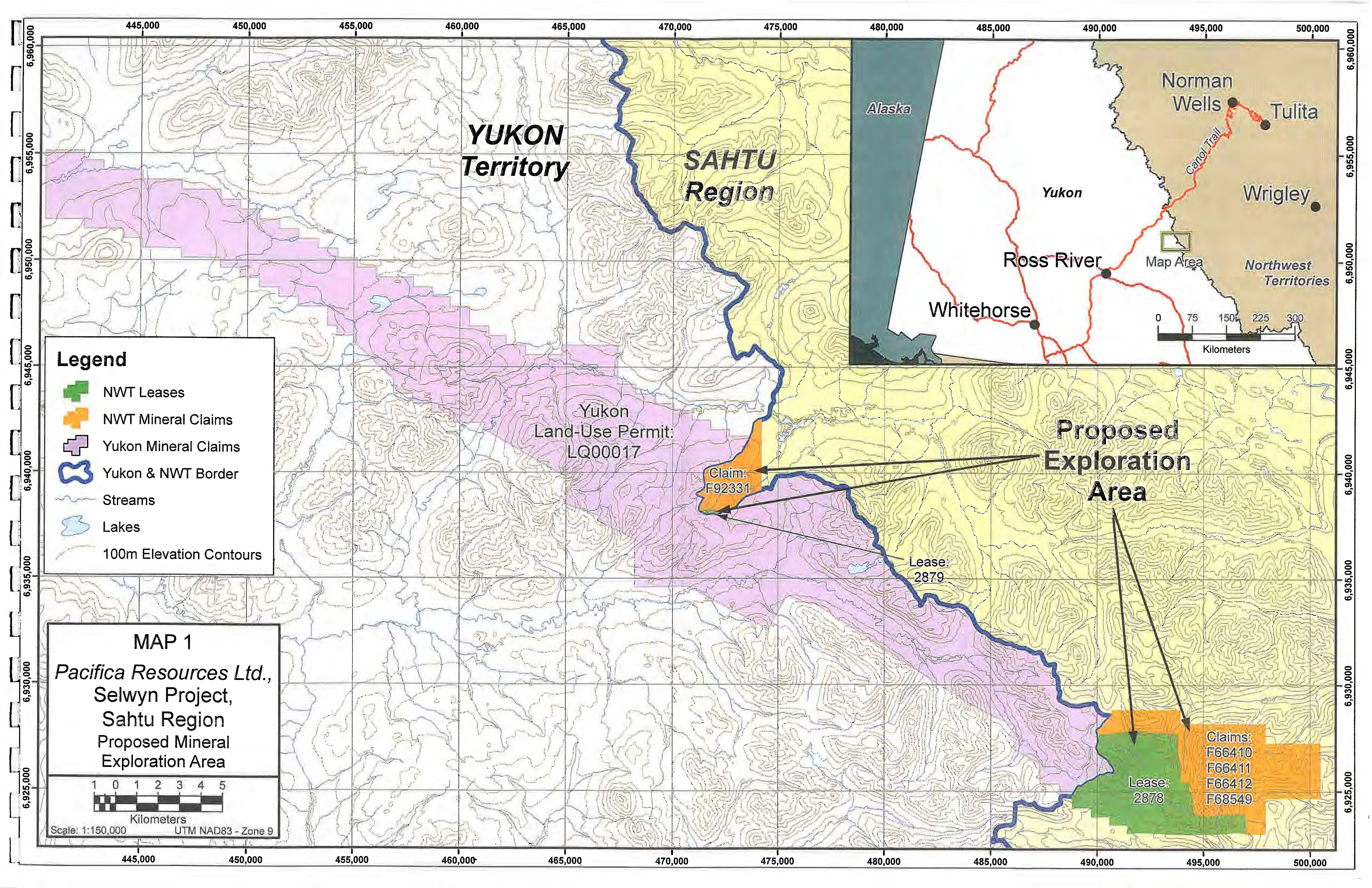
Trails - (2km length X 2.5m width)/yr X 5 Years = 2.5 hectares @ \$50.00/hectare \$ 250.00

Drill sites – approx 100 drill sites @ 100m²/ea = 1 hectare @ \$50.00/hectare \$ 50.00

Assignment fee @ \$50.00 \$ 50.00

TOTAL: \$ 500.00

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



Legend

- NWT Leases
- NWT Mineral Claims
- Yukon Mineral Claims
- Yukon & NWT Border
- Streams
- Lakes
- 100m Elevation Contours

MAP 1
Pacifica Resources Ltd.,
 Selwyn Project,
 Sahtu Region
 Proposed Mineral
 Exploration Area

1 0 1 2 3 4 5
 Kilometers
 Scale: 1:150,000 UTM NAD83 - Zone 9

**YUKON
Territory**

**SAHTU
Region**

Alaska

Yukon

Norman Wells

Tulita

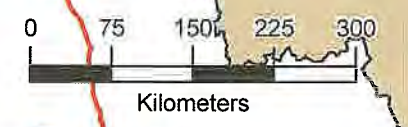
Wrigley

Ross River

Whitehorse

Map Area

*Northwest
Territories*



Yukon
Land-Use Permit:
LQ00017

Claim:
F92331

Lease:
2879

**Proposed
Exploration
Area**

Lease:
2878

Claims:
F66410
F66411
F66412
F68549

ATTACHMENT 1
ENVIRONMENTAL ASSESSMENT OF PROPOSED EXPLORATION PROGRAM

Pacifica Resources Ltd.
Selwyn Project

Environmental Assessment of Proposed Drill Program

Pacifica Resources is committed to the use of sound environmental practices in our exploration activity. For a complete description of Pacifica Resources environmental policy and procedures, see Attachment 3 of this application, "Pacifica Resources Environmental Policy and Practices Manual – 2007". As a part of a continual improvement process, these policies and procedures are reviewed and updated annually based on advances in regulation, accepted mitigation techniques and experience of Pacifica staff and management.

Potential Impact	Mitigation	Residual Impact
Wildlife disruption due to exploration activity.	<p>Pacifica Resources requires all staff and contractors respect wildlife. There is a "no approach" policy that all camp workers are instructed on as a part of their orientation to the workplace. Hunting in exploration areas by camp workers is not allowed. Firearms are not allowed in camp.</p> <p>Camp workers are required to bring all garbage and litter to central disposal at camp. Garbage is burned daily to prevent build up of refuse and potential to attract wildlife.</p> <p>Camp management and leadership are experienced personnel with extensive background in mineral exploration in remote areas. Wildlife are considered a significant safety risk to workers and precautionary and preventative measures as</p>	There will be no significant impacts to wildlife as a result of exploration operations.

	<p>described above are treated with the highest priority.</p> <p>These practices and policies are field tested and effective. They have been implemented at exploration works on the Yukon claims for the past two seasons and there have been no wildlife incidents at the Selwyn Project.</p>	
<p>Ground disturbance and vegetation removal</p>	<p>Ground disturbance as a result of exploration will be minimal. CAT trails used to moved drills will be narrow and low impact. Ground leveling will be done only where necessary to ensure safe transport of the drill.</p> <p>Cleared areas (drill pads) for drill placement will be small (10m X 10m) and ground leveling will be done only where necessary for flat placement of the drill.</p> <p>Disturbed areas will be restored using native seed mixes as described in Attachment 2 of this application (Restoration Plan for Areas Disturbed by Exploration).</p>	<p>There will be no significant impacts to ground cover and vegetation as result of exploration activity.</p>
<p>Water quality and fisheries</p>	<p>Preliminary fisheries investigations indicate no fish presence in the proposed exploration area. The work area is alpine and sub-alpine. Work area streams are very small and likely freeze solid during the winter.</p> <p>When working near water, drilling activity will take the following measures:</p>	<p>There will be no significant impacts to water or aquatic resources as a result of exploration activity.</p>

	<ul style="list-style-type: none"> • Minimize disturbance to riparian vegetation. • Ensure proper secondary containment of all fluids in the work area • Minimize erosion potential by limiting surface disturbance • Prevent silt-laden runoff through the use of preventative measures such as silt fences <p>There will be no discharges from drilling activity to streams or watercourses. All groundwater/drilling water from the drill hole will be directed to a sump (natural depression or constructed) for settling of fine materials. Sumps and drilling discharge will not occur within 30 m of any water body.</p>	
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ATTACHMENT 2
RESTORATION PLAN FOR AREAS DISTURBED BY EXPLORATION

**Pacifica Resources Ltd.
Selwyn Project**

Restoration Plan for Areas Disturbed by Exploration

Background

Pacifica Resources is currently undertaking a large mineral exploration program (Selwyn Project) in the Howards Pass area. For mineral exploration drilling, surface disturbance is required to clear vegetation, level areas for drill placement (roughly 10m X 10m), and create CAT trails for drill moves.

In keeping with the company's stance on best environmental practices, Pacifica is carrying out reclamation work on work areas that are no longer required by the exploration activity. Reclamation is being conducted concurrently with the exploration work in an effort to keep the cumulative amount of disturbed areas to the minimum required by the work.

Reclamation Program Outline

Pacifica is implementing its reclamation work using the following principles, process and resources:

- Full time on site environmental personnel – Pacifica has hired a qualified environmental technician who is on site with the exploration crews. This person is able to provide guidance on environmental aspects of their activity and to take a lead role in implementation of reclamation work.
- Consulting with local expertise – Pacifica is using the services of local reclamation experts (Arctic Alpine Seed) with experience in mine site reclamation throughout the north.
- Best practices guidance – Pacifica is using documentation provided by the Yukon Government (1999, Indian and Northern Affairs Mineral Resources Directorate, Handbook of Reclamation Techniques in the Yukon) as general guidance for reclamation activity.
- Site specific evaluation and prescription – The onsite environmental technician conducts site specific investigations of areas to be reclaimed and consults with local expertise to determine best applicable methods and material to use.
- Use of native seed and evaluated seeding and planting techniques for revegetation work.
- Ongoing monitoring – The onsite environmental technician is able to monitor reclamation success and use gathered information to guide future reclamation planning and activities.

Environmental Conditions and Restoration Plan

The project area falls within the Selwyn Mountains Ecoregion (PARC Technical Bulletin 04-01). Mean annual temperatures range from -5°C to -8°C. Precipitation ranges from 600 mm to 700 mm/year. Permafrost is discontinuous but present throughout the area. Vegetation in this area is predominantly alpine and subalpine. The work areas of the project are sparsely vegetated with scrub birch-willow communities in the low lying areas and dwarf shrub communities at higher areas. Sub-alpine fir can be found in the valley bottoms but does not occur near the work areas.

Vegetation plots have been carried out in the area to determine the natural groundcover (attachment 1). This information was forwarded to Arctic Alpine Seed and a seed mix prescription for the area was provided (attachment 2) for revegetation work.

At closure, the surface of disturbed areas can be recontoured and roughed up using quad mounted harrows or similar equipment in order to establish a micro-environment that will encourage plant establishment. Native seed can be applied based on prescribed seed mixes and application rates provided by locally experienced reclamation specialists. Timing of application will be carried out under favorable moisture conditions (early spring or late fall) in order to maximize chances of seed germination.

Reclaimed areas will be monitored for success factors and adjustments/re-application made as necessary.

Attachment 1: Results of vegetation/soil plots near Anniv Camp, Howards Pass

Plants near the Anniv Camp, Howard's Pass

Plot	Latin Name	Common Name	Percent Cover	Layer	Percent cover	Class	Percent Cover
1	<i>Cladonia sp.</i>	Reindeer lichen	A	moss/lichen	90	A	<5
	<i>Polytricum sp.</i>	Haircap moss	B	herb	15	B	5-15
	<i>Pleurozium schreberi</i>	Red stem feathermoss	B	grass	35	C	16-25
	<i>Rubus chamaemorus</i>	Cloudberry	B	shrub	15-20	D	26-40
	<i>Petasites frigidus</i>	Arctic sweet coltsfoot	B			E	41-60
	<i>Anamone multifida</i>	Cut-leaf anemone	B			F	61-80
	<i>Cassiope sp.</i>	Heather	A			G	81-95
	<i>Salix sp.</i>	Willow	C			H	>95
	<i>Sibbaldia procumbens</i>	Sibbaldia	A				
	<i>Senecio triangularis</i>	Spear-head senecio	B				
	<i>Sedum integrifolium</i>	Roseroot	A				
	<i>Cerastium arvense</i>	Mouse-eared chickweed	B				
	<i>Oxytropis sp.</i>	Locoweed/crazyweed	A				
	<i>Carex sp.</i>	Sedge	A				
	<i>Ranunculus sp.</i>	Buttercup	A				
	<i>Artemesia arctica</i>	Arctic wormwood	B				
	<i>Diapensia lapponica</i>	Lapland diapensia	A				
<i>Calamagrostis sp.</i>	Reed rass	B					
2	<i>Artemesia arctica</i>	Rosewood	B	moss/lichen	50		
	<i>Cassiope tetragona</i>	White mt. heather	D	herb	<5		
	<i>Phylodoce empetriformis</i>	Pink mt. Heather	B	grass	20		
	<i>Polytricum sp.</i>	Haircap moss	B	shrub	45		
	<i>Dicranum sp.</i>	Wavy moss	A				
	<i>Sibbaldia procumbens</i>	Sibbaldia	B				
	<i>Cladonia borealis</i>	Pixie cup	A				
	<i>Peltigera sp.</i>	Dog pelt	B				
	<i>Senecio sp.</i>	Senecio	A				
	<i>Diapensia lapponica</i>	lappland dispensia	A				
3	<i>Sedum integrifolium</i>	Rosewood	B				
	<i>Cladonia sp.</i>	Reindeer lichen	A				
	<i>Polytricum sp.</i>	Haircap moss	F	moss/lichen	85		
	<i>Cladonia sp.</i>	Reindeer lichen	D	herb	<5		
	<i>Rubus chamaemorus</i>	Cloudberry	B	grass	15		
	<i>Senecio sp.</i>	Senecio	A	shrub	0		
	<i>Senecio triangularis</i>	Spear-head senecio	A				
	<i>Cassiope sp.</i>	Heather	B				
<i>Veratrum eschscholtzii</i>	False hellebore	A					
<i>Cladonia borealis</i>	Pixie cup	A					

Site and Soil Descriptions near Anniv camp, Howard's Pass

Site description

Plot	Slope (%)	Aspect (°)	Position	GPS Coordinates	Date
1	25	213	toe	~~~~~	3 Aug, 2006
2	26	15	mid	471942 6937320	3 Aug, 2006
3	20	324	mid	472843 6937169	3 Aug, 2006

Soil

Plot	Horizon	Texture	Depth (cm)	Course Fragment
1	LFH	~~~~~	4.5	~~~~~
	A	SIS	0-2	5-10
	Bm ₁	SiS	2-6	<5
	Bm ₂	SL	6-15.5	55
	C	SL	15.5-37	75
2	LFH	~~~~~	1	~~~~~
	A	SIS	0-5	5
	Bf	L	5-18	30
	Bm	L	18-33	50
	C	SL	33-43	75

Attachment 2: Seed mix and application rate recommended based on site specific conditions

Grass Species	Common Name	Kg of Seed per 10,000 sq. m.
Agropyron violaceum	Violet wheat grass	10
Agropyron pauciflorum	Slender wheat grass	5
Agrostis scabra	Tickle grass	2
Festuca ovina	Sheep Fescue	5
Festuca saximontana	Northern fescue	2.5
Puccinellia distans	Alkali grass	0.5
Total Seed Requirement		25 kg

ATTACHMENT 3
PACIFICA RESOURCES ENVIRONMENTAL POLICY AND PRACTICES MANUAL 2007



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2007 Environmental Policy and Practices Manual

**Prepared By:
Breanne Patterson
Project Environmental Scientist**

**Date: Wednesday, January 31, 2007
Revised:**

**PACIFICA RESOURCES LTD.
2007 ENVIRONMENTAL POLICY AND PRACTICES MANUAL**

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Appendices

- Appendix A - Spill Action Plan Report Form
- Appendix B - Spill Contingency Plan
- Appendix C –Detailed Environmental Practices
 - 1. Wildlife Preservation Policy
 - 2. Heritage Preservation Policy
 - 3. Land Drilling Discharge Policy

Document Control Statement

Pacifica Resources Environmental Policy and Practices Manual is periodically updated through a continual improvement process. The policy and procedures included in this hardcopy manual may not be the most recent revision. The master copy of this manual is maintained in electronic form and can be accessed through the Pacifica Resources data server at: Need server address

Users are encouraged review the online master document occasionally and revise hardcopy manuals where required.

1.0 Pacifica Resources Ltd. Environmental Policy & Guiding Principles

Pacifica Resources Ltd. (“Pacifica”) is committed to the responsible exploration and development of mineral resources. In accordance with the Mining Association of Canada (“MAC”) Pacifica believes in a responsible approach to social, economic, and environmental performance¹ that is aligned with the evolving priorities of our communities of interest².

Environmental Responsibility

We are committed to:

- Seeking to minimize the impact of our operations on the environment through all stages of exploration and development;
- Seeking to minimize any adverse affects caused by the accidental release of pollutants into the environment;
- Practicing continuous improvement through the application of new technology, innovation and reasonable best practices in all facets of our operation.

We will:

- Comply with all laws and regulations and adhere to our guiding principles to ensure reasonable best practices are followed;

Social Responsibility

We are committed to:

- Working with communities to understand their interests and considering those interests in our planning and operations;
- Working with affected communities to ensure that all heritage sites are preserved;
- Proactively seeking, engaging and supporting dialogue with regulators, stakeholders, aboriginal peoples and the public regarding our activities and operations;
- Conducting all aspects of our business with excellence, transparency and accountability;
- Protecting the health and safety of our employees, contractors, and communities;

We will:

- Respect the cultures, customs and values of people with whom our operations interact;
- Recognize and respect the unique role, contribution and concerns of aboriginal peoples in our project areas;

¹ Mining Association of Canada, 2004. *Towards Sustainable Mining Guiding Principles*. Available at: http://www.mining.ca/www/Towards_Sustaining_Mining/Guiding_Principles/Guiding_Principles.php

² *Communities of Interest include all of the individuals and groups who have or believe they have an interest in the management of decisions about our operations that may affect them. This includes: employees, contractors, Aboriginals, mining community members, suppliers, customers, environmental organizations, governments, the financial community, and shareholders.*

- Provide benefits to local communities through programs that will enhance the economic, social, educational, health and environmental standards that they enjoy;
- Obtain and maintain business through ethical conduct;
- Respect human rights and treat those with whom we deal fairly and with dignity;
- Support the capability of communities to participate in opportunities provided by new mining projects and existing operations; and
- Be responsive to community priorities, needs and interests through all stages of mineral exploration.

2.0 Company Environmental Practices

2.1 *Heritage Preservation*

All historic resources including sites, objects, and any work that has an archaeological, paleontological, historic or scientific value are important to Pacifica and will be protected from disturbance.

All employees and contractors are to minimize the impacts to heritage sites during exploration activities. All heritage sites including, cabins, caches, graves, brush camps and other man-made structures, greater than 50 years in antiquity are protected from disturbance. There is to be no disturbance of historic sites or removal of materials and/or artifacts. If a historic site is found on the property **stop work immediately**, cordon off a reasonable distance around the site, photograph the site and notify the Project Manager.

2.2 *Wildlife and Habitat Preservation*

All employees and contractors will preserve wildlife and their habitat and minimize environmental disruption wherever possible. Harassment of wildlife is illegal. All persons should either avoid or remain a respectful distance from wildlife. Special attention should be paid while handling hazardous materials (e.g. hydrocarbons, chemicals) to prevent spillage as they are both an attractant and a hazard for animals. Garbage should be placed in the proper receptacles before it is disposed of by camp personnel.

If an employee feels that there is a problem animal they are to inform their direct supervisor who will notify the Camp Manager and the Environmental Compliance Officer on site. They are not to take matters into their own hands. Once the problem is noted it will be dealt with in a timely and appropriate fashion. No animal will be destroyed without first receiving the proper permits from the governing bodies in the project area.

2.3 Firearms

All Staff are prohibited from possessing firearms in camp. One firearm will be on site for wildlife control in an emergency situation. Contravention of this policy is grounds for expulsion from camp and termination of employment.

2.4 Hunting

In keeping with the no firearms policy, a strict no hunting policy will apply to all staff and contractors on Pacifica properties.

2.5 Fishing

Staff is permitted to fish provided they comply with all government license and regulatory requirements. Pacifica requires that staff use only barbless hooks. Catch and release fishing will be encouraged and residents are encouraged to limit their retained catch to less than the allowable maximums. Regulations prohibit kitchen staff from preparing fish retained by staff. If you wish to eat fish, you will have to cook your own.

2.6 Fuel Spill Response

All fuel spills (including oil, gasoline, diesel, and Jet B) will require immediate action as necessary, with priorities of:

1. Protecting lives and preventing injury;
2. Protecting the environment;
3. Protecting the property; and
4. Minimizing disruption of interference with Pacifica Resources Ltd.'s business activities.

If a spill is identified:

1. Ensure your safety before entering the area
 - a. eliminate all ignition sources
 - b. secure the area so people know where to avoid
 - c. identify the source of the spill and the hazards of the product
2. Stop the source, if possible
3. Contain the spill-using either shovels or absorbent pads
4. Report the spill to your supervisor.

Note that minor types of spills can be handled readily by staff and resources already in place at the site of the incident and may not require the involvement of senior management or specialized emergency response teams. Other types of emergencies beyond the capability of those at the scene are likely to be considered major and require additional resources, expertise and formal

management. All spills must be reported to the Camp Manager and the Environmental Compliance Co-ordinator on site.

Please refer to Appendix A for the Spill Action Plan Report Form. Please refer to Appendix B for the Spill Contingency Plan.

2.7 Drill Sites

When drill sites are established special considerations should be made to locate the drill holes away from sensitive areas (e.g. wetlands, permafrost). The site should never be cleared more than six months in advance of use. Clear cutting and ground leveling with heavy equipment should be kept to a minimum. If the top layer of soil (overburden) is removed it should be stockpiled to the side of the site and then used to reclaim the site once drilling is complete.

2.7.1 Drilling Discharge on Land

To minimize the environmental impacts of drilling activity and prevent the materials from the worksite entering into waterways such as lakes, streams, and wetlands, all drilling contractors are expected to strictly adhere to the set out Land-based discharge policies listed below:

- All coarse cuttings from drilling activity will be collected into a sump, natural or constructed, at least 30 meters from any watercourse.
- At all drill sites, all hydrocarbons products including grease and hydraulic fluids must be contained, collected and transported to a Government approved recycling facility, approved, and/or designated waste disposal facility.
- All fuel barrels at or near the drill site must have absorbent matting and/or protective stands in order to collect any possible spillage.
- All garbage including wire, wood and plastic must be collected and disposed in a Government approved and/or designated waste disposal facility.
- If near a riparian zone, a large tarp must be placed beneath the drill to prevent any hydrocarbons and drill cuttings from reaching the ground. Any materials collected on the tarp must be disposed in a Government approved or designated waste disposal facility.

A Pacifica representative must supervise all drilling activities to ensure compliance with all government regulations.

2.7.2 Drill Site Clean-up

All employees and contractors will leave their drill sites as clean as possible. All drilling equipment, supplies, rods, and garbage will be removed from the site during the site clean-up, reclamation, and abandonment process. If materials are left on site it is the responsibility of the drilling contractor remove those materials and complete the clean up before Pacifica will approve final abandonment of the site.

Drill crews are responsible to manage disposable materials at their drill sites and will remove all garbage at the end of their shift. This will help to minimize wildlife problems and final site clean-up.

2.8 Garbage

Camp garbage is to be placed in proper receptacles. Garbage will not be left outside the tents or in common areas. Recycling receptacles for pop cans, tetra packs, and plastic juice jugs will be located onsite.

Cigarette butts are to be disposed of in the proper receptacles; not on the ground. They pose a threat to the wildlife and are a fire hazard.

2.9 Trail Construction and Use

All employees and contractors are required to minimize the amount of new trails constructed by using the existing trails and not creating "short-cuts" to reach areas that already have access. Before initializing construction walk and flag the route taking into account possible areas of water or erosion. Once a trail location is determined minimize the vegetation removal, compaction, and effects on biodiversity by using the proper equipment for the job. Use natural clearings and contours and avoid unstable slopes, areas of permafrost, and wetlands.

Pacifica has a specific length of trail systems that it is permitted every year. These are the only areas where it is acceptable to drive any motorized vehicle (truck, quad, buggy, etc.).

If an area of trail has been reclaimed and is marked out with pickets and flagging do not proceed onto that section of trail. There will be an alternate route that is available to reach the desired destination.

APPENDIX A

SPILL ACTION REPORT FORM

Appendix J Spill Action Plan Procedures			
Pacifica Resources Ltd. ORGANIZATIONAL MANUAL	Site: Selwyn Project		
	Page(s): 1 of 6		
	Date: February 22, 2007		
	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
INTRODUCTION			
<p>Section 5.1 of the Northwest Territories Environmental Protection Act ("EPA") requires spills to be reported promptly, all reasonable measures are to be taken to stop the discharge and eliminate any danger, and a reasonable effort should be made to notify any members of the public who may be adversely affected by the spill.</p> <p>All spills will require immediate action as necessary, with priorities of:</p> <ol style="list-style-type: none"> 1. protecting lives and preventing injury; 2. protecting the environment; 3. protecting the property; and 4. minimizing disruption of interference with Pacifica Resources Ltd.'s business activities. <p>This procedure is intended to provide a guide in the event of either a hydrocarbon or chemical spill. All spills must be reported to the Project Manager. The Project Manager will screen all information associated with the reported incident and write a follow-up report. Depending on the magnitude of the incident, the Project Manager or his/her designate will be notified immediately.</p> <p>Note: Minor types of spills can be handled readily by staff and resources already in place at the site of the incident, and may not require the involvement of senior management or specialized emergency response teams. Other types of emergencies beyond the capability of those at the scene are likely to be considered major and require additional resources, expertise and formal management.</p>			

Pacifica Resources Ltd. ORGANIZATIONAL MANUAL	Site: Selwyn Project		
	Page(s): 2 of 6		
	Date: February 22, 2007		
	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
ACTION REPORTING PROCEDURE			
<p>1. Any employee discovering an emergency situation shall immediately make an initial determination as to whether he/she can remedy or alleviate the situation prior to seeking additional help or notify the Project Manager.</p> <p>Note: Life threatening situations must be dealt with immediately.</p>			
<p>2. The emergency situation shall be brought to the attention of the Site Manager, Project Manager, and Environmental Compliance Co-ordinator as soon as practicable after discovery.</p>			
<p>3. The Project Manager shall immediately investigate the emergency situation and obtain all of the relevant information necessary (such as MSDS's), take initial action to remedy or alleviate the situation and notify the Project Manager or his/her designate as practicable with all pertinent information.</p> <p>The minimum relevant information shall include:</p> <ul style="list-style-type: none"> (a) a description of the emergency event; (b) time the emergency event was discovered; (c) where the emergency event occurred; (d) number and status of persons involved; and (e) remedial action implemented to alleviate the situation. 			
<p>4. The facility Project Manager shall immediately notify the President (604-682-5474 ext 228) his/her alternate and inform them of the nature of the emergency and actions taken.</p>			
<p>5. The Project Manager or his/her designate in consultation with the President will make a decision to DECLARE AN EMERGENCY.</p>			
<p>6. Once an emergency situation has been declared, all key personnel shall congregate at the designated command centre (Mine Camp).</p>			

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	Approved By:		
	VP Environment	VP Exploration	President & CEO
<p>7. All fuel spills must be immediately reported to an inspector or to the 24 Hour Spill Report Line (867-920-8130), contained and cleaned up upon discovery.</p> <p>8. For major spills, all reports will only be submitted by the VP of Environment and Community Affairs in consultation with the President.</p> <p>9. All requests for information should be directed to the VP of Environment and Community Affairs or the President</p> <p>10. For all major spills, a procedure entitled "Spill Contingency Plan" should be used in place of this procedure. The Spill Contingency Plan outlines the responsibilities and procedural sequences of the events following the discovery of an emergency situation.</p> <p>11. For reporting purposes, use the attached form entitled "Spill Report."</p>			

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Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
SPILL REPORT			
Report date:			
Date and time of spill (if known):			
Date and time reported to management:			
Date and time reported to government:			
Location and map co-ordinates (if known) and direction if moving:			
Party responsible:			
Cause of the spill:			
Name and phone number of a contact person close to the spill location:			
Type of product spilled and estimated quantities (provide metric volumes/weights, if possible):			
Is spill terminated or continuing?			

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	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
SPILL REPORT (Continued)			
Extent of contamination:			
Factors affecting spill or recovery (temperatures, wind, snow, ice, terrain, buildings, etc.):			
Containment (naturally, booms, dykes or other)/no containment:			
Action (if any) taken or proposed to control, recover, clean up or dispose of spill:			
Do you require assistance? If so, in what form?			
Hazard to persons, property or environment (fire, drinking water, threats to fish or wildlife):			
Agencies on site:			

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Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
SPILL REPORT (Continued)			
Others notified of spill:			
Comments and/or recommendations/further action required:			
Reported by:		Position of Employee:	
Location:		Telephone No.:	
Reported to:		Position of Employee:	
Location:		Telephone No.:	
Report by: Project Manager and Environmental Compliance Co-ordinator c.c. President, VP Environment and Community Affairs, VP Exploration			

APPENDIX B
SPILL CONTIGENCY PLAN



701-475 Howe Street
Vancouver, British Columbia
Canada V6C 2B3

Telephone: (604) 682-5474
Facsimile: (604) 682-5404
Toll Free: 1-877-682-5474
International Toll Free: 800-8682-5474

info@pacifica-resources.com
www.pacifica-resources.com

**PACIFICA RESOURCES LTD.
NORTHWEST TERRITORIES SPILL CONTINGENCY PLAN**

Prepared by:
Breanne Patterson
Project Environmental Scientist
Suite 701, 475 Howe Street
Vancouver, BC
V6C 2B3
Canada

Date: Friday 22 February 2007

Revision Date:

**PACIFICA RESOURCES LTD. SPILL CONTINGENCY PLAN
SELWYN PROJECT**

Approved by: _____

Jason Dunning,
VP Exploration
Pacifica Resources Ltd.

Approved by: _____

Justin Himmelright,
VP of Environment and Community Affairs
Pacifica Resources Ltd.

Reviewed and approved by: _____

Harlan D. Meade, Ph.D., P.Geol.
President & CEO
Pacifica Resources Ltd.

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1.0 INTRODUCTION

Section 5.1 of the Northwest Territories Environmental Protection Act ("EPA") requires spills to be reported promptly, all reasonable measures to be taken to stop the discharge and eliminate any danger, to notify any members of the public who may be adversely affected by the spill. These regulations place far-reaching obligations on Pacifica Resources Ltd. and individuals to report and clean up spills. It is Pacifica's responsibility to show reasonable care by ensuring that records of inspection and maintenance of equipment are kept, employees receive adequate spill training and equipment and procedures are available to respond to spills.

Section 5.1 of the EPA and section 10 of the EPA Spill Contingency Planning and Reporting Regulations requires that the owner or person in charge of the pollutant, or every person who spills or causes a spill, which is likely to cause an adverse effect to immediately notify the Chief Environmental Protection Officer by calling the 24 Hour Spill Report Line: 867-920-8130.

The EPA defines a spill as a discharge (including but not limited to any pumping, pouring, throwing, dumping, emitting, burning, spraying, spreading, leaking, spilling or escaping) of a contaminant in contravention of the Act or regulations made under the Act. See Appendix G for the Northwest Territories EPA and Reporting Regulations.

In addition to the EPA notification requirement, the Fisheries Act, Transportation of Dangerous Goods Act and the Canadian Environmental Protection Act all require that a person having control of the pollutant, or every person who causes a spill, which is likely to cause an adverse effect should immediately report the event to the respective authorities and other various government agencies.

All emergencies will require immediate action as necessary, with priorities of:

1. protecting lives and preventing injury;
2. protecting the environment;
3. protecting the property; and
4. minimizing disruption or interference with Pacifica's business activities.

This manual is intended to provide a guide in the event of a hydrocarbon or chemical spill. The areas of responsibility of the various personnel who will be directly involved are outlined to prevent doubt as to what each person should be doing at the time of an emergency.

This procedure should be reviewed once every fiscal year by the Project Manager in consultation with the Manager of the Environment and Community Affairs. The review date should be recorded and kept on file.

1.1 The CANUTEC Guide to Initial Emergency Response

This guide was developed in 1986 to provide information and advice to persons responding to emergency situations involving hazardous materials. It was developed through the Transportation of Dangerous Goods Act primarily for first responder, i.e., fire departments and police. The guide should only be used by those familiar with it and there is also a 24-hour hot line at which more information can be made available at 613-966-6666. The guide has many hazardous materials listed in alphabetical order (orange section) and by ON number (green section). Once you have selected the product of concern, there is a corresponding guide number. This guide number can be found in the yellow section. The guide has grouped all hazardous materials under 38 classes in which potential hazards and emergency action is easily found. A copy of this guide book will be maintained at the project site.

1.2 Reporting of Spills

Workers are to report all minor spills to their supervisor who will, in turn, report to the Project Geologist and the Environmental Compliance Co-ordinator. Minor spills are those that can be easily and safely handled by those people in the area, and generally by the person(s) initiating the spill. These spills are generally within confined areas, are small in nature, have minimal health and safety risks, and, if outside, have no chance of migrating into the environment.

The reason for this type of reporting schedule is to document spills with the intent of incident reduction through proper follow-up and remedial measures.

1.3 Small Quantity Exemptions

Schedule B of the EPA Spill Contingency Planning and Reporting Regulations outlines the amount of substance that invokes the reporting of a spill. (See Appendix I)

1.4 Major Spills

Major spills have greater potential than minor spills, which exceed any small quantity exemption, for potential health and safety risks and/or are questionable. When in doubt, treat the spill as major. The number to call is 1-867-920-8130 (the 24 Hour Spill Report Line). A person reporting a spill, in accordance with Section 11 of the EPA Spill Contingency and Reporting Regulations, should give as much of the following information as possible:

1. Date and time of spill;
2. Location of spill;
3. Direction the spill is moving;
4. Name and phone number of a contact person close to the location of the spill;
5. Type of contaminant spilled and quantity spilled;
6. Whether the spill is continuing or has stopped;
7. Description of the existing containment;
8. Action taken to contain, recover, clean up and dispose of spilled containment;
9. Name, address, and phone number of person reporting spill;
10. Name of owner or person in charge, management of control of contaminants at time of spill.

No person shall delay reporting a spill because of lack of knowledge of any of the factors listed above as noted in section 11(2) of the EPA Spill Contingency Planning and Reporting Regulations.

To assist in ensuring that all the appropriate information is collected prior to the reporting of a spill, the Emergency Action Plan Procedure (Appendix J) is to be followed by the Project Manager or his/her designate. This procedure, together with information derived from the Environmental Field Log (Appendix D), will be utilized during the physical inspection of the spill site and completed through the control group discussions. This can also be used as a guide for the detailed spill report that will be written by the Project Manager.

1.5 Documentation of Spills

All spills, both minor and major, will be documented in a Spill Environmental Field Log located on site (Appendix D). The Project Manager or his/her designates have the responsibility of preparing a detailed report of all major spills. These reports will include all details of the spill, all contact with government officials and all remedial action taken. These reports will be circulated within the Company and filed in the Corporate Environmental Department's Central filing system.

1.6 Investigation Response

The Northwest Territorial Government is the regulatory body of the government that would investigate a hazardous material spill site. The Chief Environmental Protection Officer or an appointed inspector, under section 18 of the EPA, may without warning enter and inspect any place where they have reasonable grounds to believe that there are contaminants present.

If government officials are on site to investigate a spill then the Project Manager or his/her designate and the Environmental Compliance Co-ordinator will accompany the official(s) throughout the investigation and keep notes of all details.

2.0 SPILL CONTINGENCY PLAN

2.1 Guidelines for Spill Containment and Clean up

This section is designed to give the reader a quick review of the methods of handling spills. Please refer to specific sections for further details.

In order to promote prompt and proper clean up of spills, some general guidelines on containment and clean up of spills are reviewed. It is important from both a safety and an environmental perspective that prompt and proper clean up of the spill is undertaken.

Spill identification may be determined by review of many sources including the following:

- a) Chemical packaging labels.
- b) Chemical form (solid, liquid, powder, etc.).
- c) Chemical container method (drum, etc.).
- d) Material Safety Data Sheets ("MSDS").

Proper handling of the spilled material is important for your own protection. Once you have identified the spilled product it is necessary to review the appropriate chemical handling procedure. Please refer to the individual chemical MSDS (Appendix I). MSDS binders are also located on site in the office.

The response plan must take into consideration the types of materials being handled, their physical and chemical properties, and also the correct methods of neutralization, handling and/or containment.

A list of products that exist on the Howard's Pass Project site is shown in Appendix F.

Note: When cleaning up any type of chemical or petroleum spill protective gear (rubber boots/gloves/pants, goggles, respirators, etc.) must be worn at all times. An equipment checklist

(Appendix E) and all equipment on that list will be located on site. If items have been used or are missing please notify the Environmental Compliance Co-ordinator on site.

3.0 HYDROCARBON AND CHEMICAL SPILLS

See Appendix A for the seven general spill action steps to follow.

3.1 Acid Spills

Acid Spills will be contained using sandbags and neutralization can be accomplished using baking soda, soda ash or lime. Both sandbags and lime are stored at Camp. Following neutralization, the area may be carefully flushed with water.

Note: Prior to using water in any clean up, consult the guidelines for the specific neutralizing agent being proposed for the chemical as inappropriate use of water may be severely hazardous.

Any water used for flushing a spill area should be contained, recovered and disposed of in an approved manner. It cannot be discharged to a sewer or ditch unless compliance is maintained with regulations. Any contaminated soil must be removed and disposed of in an approved manner.

3.2 Alkali Spills

Detoxification of strong alkali spills such as sodium hydroxide can be accomplished using acetic acid (vinegar). These spills can be contained using sandbags and pumped into auxiliary containers. In the case of dry spills, removal and subsequent approved disposal of contaminated soil may be more desirable than the use of acid for neutralization depending on the nature and extent of the spill.

3.3 Hydrocarbon Spills

Any spill or leakage of a petroleum product during transport or storage will be managed through the appropriate response procedures. In most instances, a berm will be established down slope from the spill and plastic tarps placed over the berm. Absorbent matting along with other absorbent materials can be used for capture of the petroleum products. The absorbent matting and materials used to collect the petroleum products will be collected into containers or empty 205 litre (45 gallon) drums and disposed of in a Government approved manner such as burning. Larger quantities of petroleum product will be collected or pumped back into containers or drums and reused wherever possible; however when not possible, the petroleum products will be disposed of in a Government approved manner at a Government approved facility. Any stains on the rock surfaces will be soaked up using additional absorbent matting and any contaminated soil or snow or vegetation will be removed from site and disposed of in a Government approved manner such as burning.

Note: Snow is one of the best absorbents of spilled petroleum products because the petroleum products migrate into the snow and become immobile; meaning the contaminated snow can be easily collected and disposed of in a timely fashion.

4.0 TYPE OF MATERIAL AND LOCATION OF SPILL

Response types based on material type and spill location are detailed below:

4.1 Solid Material Spill in the Dry Area

- (a) Clean up and recover material while wearing protective gear.
- (b) Detoxify the area.
- (c) Store/transport recovered material and review the MSDS for mode of disposal.

4.2 Liquid Material Spill in the Dry Area

- (a) Contain spill using earthen berms.
- (b) Clean up and recover material while wearing protective gear. Material recovery may utilize pumps or sorbets as appropriate for type of spill.
- (c) Detoxify area.
- (d) Store/transport recovered material and review the MSDS for mode of disposal.

4.3 Solid Material Spill

- (a) Cover material with plastic.
- (b) Isolate any drainage from the spill area, if possible, using earthen berms.
- (c) Notify downstream users if appropriate.
- (d) Clean up and recover material while wearing protective gear.
- (e) Detoxify area.
- (f) Store/transport recovered material and review the MSDS for mode of disposal.

4.4 Liquid Material Spill in an Area Wet from Rain

- (a) Contain the spill using earthen berms.
- (b) Isolate drainage, if possible, using earthen berms.
- (c) Notify downstream water users if appropriate.
- (d) Clean up and recover material while wearing protective gear. Material recovery may utilize pumps or sorbets as appropriate for type of spill.
- (e) Detoxify the area.
- (f) Store/transport recovered material and review the MSDS for mode of disposal.

4.5 Solid or Liquid Spill in a Drainage Ditch

- (a) Contain the spill by placing an earthen berm across the ditch far downstream of the spill.
- (b) Isolate drainage, if possible, using earthen berms.
- (c) Detoxify area.
- (d) Store/transport recovered material and review the MSDS for mode of disposal.

4.6 Solid or Liquid Spill into Selwyn Project Stream

- (a) Isolate drainage and contain the spill using earthen berms, if possible.

- (b) Recover the material, if possible, while wearing protective gear.
- (c) Notify downstream water users.
- (d) Implement environmental monitoring of downstream waters as soon as possible after arriving at the scene.

5.0 MAJOR DUTIES AND RESPONSIBILITIES

The following outlines the responsibilities and procedural sequences of events following the discovery of an emergency situation. An emergency situation may be defined as an incident that may cause personnel injury, environmental damage, property damage and/or disruption of business. Examples of such cases would be a fire, a chemical spill and/or chemical discharge. It is important that each individual knows his/her capabilities in order to prevent undue harm to personnel and/or equipment.

5.1 Action Reporting Procedure for a Major Spill

- (a) Any employee discovering an emergency situation shall immediately make an initial determination as to whether he/she can remedy or alleviate the situation prior to seeking additional help or notifying his/her supervisor.

Note: Life threatening situations must be dealt with immediately.

- (b) The emergency situation shall be brought to the attention of a supervisor as soon as possible after discovery.
- (c) The supervisor shall immediately investigate the emergency situation and obtain all of the relevant information necessary (e.g., MSDS's), take initial action to remedy or alleviate the situation and notify the Project Manager and Environmental Compliance Co-ordinator, as soon as possible, with all pertinent information.

The minimum relevant information shall include the following:

- Description of the emergency event.
 - Time the emergency event was discovered.
 - Where the emergency event occurred.
 - Number and status of persons involved.
 - Remedial action implemented to alleviate the situation.
 - Whether the spill is continuing or has been stopped.
- (d) The Project Manager shall immediately notify the President or his/her designate and inform him/her of the nature of the emergency and actions taken.
 - (e) The Project Manager, in consultation with management and the corporate office, or his/her designate will make a decision to declare an emergency.

- (f) Once an emergency situation has been declared, all key personnel shall congregate at the designated command centre.
- (g) The Project Manager or his/her designate shall at his/her discretion, designate an Emergency Response Co-ordinator to develop an Emergency Action Plan and to coordinate all the work activities surrounding the emergency to rectify the situation (the selection to be based on the location and type of emergency).
- (h) The Project Manager or his/her designate shall notify the President, who shall be updated on the status of the emergency.
- (i) The Project Manager or his/her designate will authorize whatever corrective action is necessary (leasing special equipment, etc.) and the Emergency Response Coordinator shall initiate such action.
- (j) The Project Manager or his/her designate shall contact the appropriate territorial and federal agencies (**list of phone numbers is attached**) and provide the necessary information as approved by the President.
- (k) The Project Manager or his/her designate, in consultation with the President, shall coordinate corrective actions with the appropriate provincial and federal agencies.
- (l) The Project Manager shall keep all the records and prepare chronological logs of all pertinent information for use in reporting to the President and to facilitate a post-response assessment. The Project Manager will be responsible for all reports to the provincial and federal agencies.

6.0 EMERGENCY RESPONSE

The emergency response will vary with the nature and circumstances of the emergency. Some emergencies will require the service of a Spill Response Team.

6.1 Logistics Support

Logistic support from outside services will be available through the Emergency Telephone Listing, and correspondence with these services will be documented in the Emergency Response Log (Appendix B). The Emergency Telephone Listing will be developed and maintained by the Project Manager or his/her designate for each project site. These services include emergency equipment, heavy equipment, pumps, emergency lighting, protective clothing, neutralization chemicals, etc. that could be made available at site on short notice in the event of a spill.

6.2 Training

Pacifica employees will receive training to include instruction in spill recognition and assessment, spill hazards, spill reporting, communications, clean up procedures and general emergency response. All personnel will be familiar with the spill reporting requirements and locations of all spill kits. This training schedule will be set forward by the Project Manager in order to maintain the integrity and ability for rapid deployment of the Spill Response Team.

Fuel handling employees will be fully trained in the safe operation of the fuel handling facilities, spill prevention techniques and of the spill reporting procedure. The employees will also

undertake regular spill response exercises to test the spill response procedure. The timing and frequency of these exercise is to be determined by the Project Manager.

Contractors, Subcontractor, and Suppliers will be dealt with on an as needed basis because of the presence of a Spill Response Team working for Pacifica.

A detailed map of the locations off all spill kits will be posted in plain view in designated locations around the property.

7.0 PLAN REVIEW

The Emergency Response Plan will be reviewed once per fiscal quarter by the Manager of the Environment, Project Manager, Environmental Compliance Co-ordinator and Howard's Pass Advanced Exploration Project worksite management.

8.0 CORPORATE CALL OUT PROCEDURES FOR EMERGENCY

When a situation exists that may warrant the declaration of an emergency, the Project Manager must be notified. It is his/her responsibility to notify the appropriate persons and agencies thereafter.

The Corporate Office must be notified as soon as possible of the declaration of any emergency in accordance with the list of priorities set out in Section 11.0.

Name	Position	Office No.	Off Site No.
Justin Himmelright	VP Environment and Community Affairs	604-682-5474 ext. 222	604-219-3087
Jason Dunning	VP Exploration	604-682-5474 ext. 225	604-476-1755 Cell: 604-831-6111
Harlan Meade	President & CEO	604-682-5474 ext. 228	604-274-1443 cell: 604-657-2957

9.0 EMERGENCY TELEPHONE NUMBERS

Telephone Number	
Hospital	
Watson Lake	867-536-4444
Health Unit	867-536-7843
Ambulance	
Watson Lake	867-536-4444
RCMP - Watson Lake	867-536-5555
Laboratories	
Maxxam Analytics – Burnaby	604-444-4808
ASL	604-984-0221
ASL - Whitehorse	1-800-665-0243

10.0 TELEPHONE LISTS OF GOVERNMENT AGENCIES

	Telephone No.	Fax No.
Territorial Emergency Program		
24 Hour Spill Reporting Line	867-920-8130	
Government of the Northwest Territories: Environment and Natural Resources		
North Slave District, Regional Environmental Protection Officer	867-920-3387	867-873-0639
Sahtu District, Wildlife Manager	867-587-3508	867-587-3516
Environment and Natural Resources Superintendent (Norman Wells)	867-587-3508	867-587-3516
Government of Canada		
<i>Department of Fisheries and Oceans</i>	867-669-4900	
<i>Transport Canada</i> Emergency Response Oil or Chemical 24-Hour Service For chemical information call CANUTEC 24-hour basis General Yellowknife, Northwest Territories	613-996-6666 613-992-4624 867-872-2007	613-954-5401
<i>Indian and Northern Affairs Canada</i> Resource Management Officer (Land Use Inspector)-Norman Wells	867-587-2911	867-587-2928
Tulita District Government		
Tulita District Land Corporation	867-588-3738	867-588-4025
Sahtu Renewable Resources Board	867-588-4040	867-588-3324
Sahtu Land and Water Board	867-598-2413	867-598-2325

11.0 DETAILED DESCRIPTION OF DUTIES

11.1 Project Manager

Reporting to: President & CEO.

Duty Station: Selwyn Project Camp office (Command Centre).

General Responsibility: Manages all aspects of emergency response in consultation with the President & CEO.

Specific Duties:

- Declaration of Emergency in consultation with the Corporate Office.
- Request the summoning of supervisors to the Command Centre.
- Designates an Emergency Response Co-ordinator.
- Notifies the Corporate Office.
- Contact appropriate territorial and federal governments.
- Coordinates corrective actions including acquisition of equipment needed for spill response, etc.
- Control access on and off the property.

11.2 VP Environment and Community Affairs

Reporting to: President & CEO

Duty Station: Remote – via phone @ 604 219 3087

General Responsibility: Manages all details of public and regulatory interaction in consultation with the President & CEO

Specific Duties:

- Follow up with public and regulatory communications following initial contact by the Project Manager.
- Assist the Project Manager with spill response activity to the extent possible.
- Carry out post spill investigation and report on causative factors, response efficacy, and corrective actions.
- Maintain communications with regulatory officials and public spill incident file is closed.

11.3 Emergency Response Co-ordinator (Project Geologist/Engineer)

The Project Geologist/Engineer will act as the Emergency Response Co-ordinator. If not, the Project Manager will assume these duties and responsibilities.

Reporting to: Project Manager.

Duty Station: Command Centre.

General Responsibility: Implement actions necessary to affect the response.

Specific Duties:

- Develops an Action Plan.
- Designates an On-Scene Co-ordinator.

- Notifies and dispatches response team individual.
- Logs individuals assigned to the scene.
- Dispatches Equipment.
- Coordinates implementation of action plan from Command Centre.
- Receives information from on-scene Co-ordinator and relays it to the Project Manager.

11.4 On-Scene Co-ordinator

Reporting to: Emergency Response Co-ordinator.

Duty Station: At the scene.

General Responsibility: Effect Action Plan at the scene.

Specific Duties:

- Co-ordinates activities of the Emergency Response Team.
- Designates a lead person who delegates duties as necessary. Acts as the spokesperson for on-scene inquiries.
- Relays information to Emergency Response Co-ordinator.

11.5 Emergency Response Team

Reporting to: On-Scene Co-ordinator.

Duty Station: At the Scene (as assigned).

General Responsibility: Implements Action Plan.

Specific Duties: As assigned.

11.6 Final Report and Spill Assessment

Following the spill assessment, a final report will be generated by the Project Manager and submitted to the VP of Environment and Community Affairs.

12.0 FINAL REPORT AND RESPONSE ASSESSMENT

12.1 Chronological Report

The Project Manager shall prepare a detailed chronological report of all circumstances surrounding the emergency.

12.2 Final Report

Distribution of the final report (or portions thereof) to regulatory agencies may be required depending upon the nature of the emergency.

12.3 Post-Response Assessment

A post-response assessment will be held with the Emergency Response Team, led by the VP of Environment and Community Affairs, to evaluate the response, identify areas of improvement and to make procedural changes as necessary.

APPENDIX A
ACTION STEPS

APPENDIX A ACTION STEPS

- 1. Report spill.**
- 2. Stop source, if possible.**
- 3. Contain spill materials.**
- 4. Protect area.**
- 5. Remove material.**
- 6. Reclaim area.**
- 7. Spill report.**

APPENDIX B
EMERGENCY RESPONSE TELEPHONE LOG

Appendix B
Emergency Response Telephone Log

Name and Telephone	Time	Line Busy	No Answer	Response
Maintained by: _____			Date: _____	

APPENDIX C
FIELD SPILL RESPONSE EVENT LOG

**APPENDIX C
FIELD SPILL RESPONSE EVENT LOG**

Date (m/d/y)	Time	Contact	Communication

Signature: _____ **Title:** _____

APPENDIX D
SPILL RESPONSE ENVIRONMENTAL FIELD LOG

**APPENDIX D
SPILL RESPONSE ENVIRONMENTAL FIELD LOG**

Date (m/d/y)	Time	Sample Type	Parameters	Values	Initial

GENERAL WEATHER CONDITIONS

Wind speed and direction:

Temperature:

Cloud cover:

Precipitation:

Comments:

Signature: _____

Title: _____

APPENDIX E
EQUIPMENT CHECKLIST IN SPILL RESPONSE STORAGE FACILITY

APPENDIX E
EQUIPMENT CHECKLIST IN SPILL RESPONSE STORAGE FACILITY

Location: Selwyn Project Camp

Item No.	Description	Check ()
1	(1) 30-gallon garbage can	
2	(2) 2-gallon plastic buckets	
3	(1) first aid kit	
4	(2) sets of rubber gear	
5	(2) pairs of pull-on rubber boots	
6	(2) pairs of disposable coveralls	
7	(2) pairs of rubber gloves	
8	(2) open-head drums	
9	(5) gallons of wash down water	
10	(2) dozen plastic sample bags	
11	(50) large plastic bags	
12	(2) square shovels	
13	(1) round shovel	
14	mist mass	
15	(2) pairs of chemical goggles	
16	(1) fire extinguisher	
20	(2) pairs of leather gloves	
21	(8) water sample bottles	
22	(2) rolls of duct tape	
23	(1) toolbox	
24	(1) flashlight	
25	(1) set of banding cutters	
26	(1) camera	
27	cables and slings	
28	roll oil sorbent mat	
29	soda lime/baking soda	

APPENDIX F
LIST OF PRODUCTS AT THE SELWYN PROJECT SITE

Appendix F
List of Products at the Selwyn Project Site

Product Name	Product Use	Manufacturer / Supplier	WHMIS Classification
Diesel engine coolant	coolant		
Diesel engine lubricating oil	lubricant		
Diesel fuel conditioner	fuel conditioner		
Engine oil	oil		
Kerosene	oil		
Regular gasoline	fuel		
Grease	grease		
Propane	fuel		
Anti-freeze	anti-freeze		
Hydraulic oil	oil		
Diesel	fuel		

APPENDIX G
NORTHWEST TERRITORIES REPORTING REGULATIONS

APPENDIX H

MATERIAL SAFETY DATA SHEETS ("MSDS")

NOTE THAT THE MSDS SHEETS ARE KEPT IN TWO LOCATIONS FOR PACIFICA RESOURCES LTD.:

- (1) AT THE SELWYN PROJECT OFFICE, AND
- (2) VANCOUVER OFFICE

MSDS SHEETS ARE AVAILABLE UPON REQUEST FROM EITHER LOCATION BECAUSE THEY ARE CONTINUALLY UPDATED WHEN NEW PRODUCTS ARE BROUGHT ON TO SITE OR WHEN MATERIAL IS NO LONGER USED.

APPENDIX I

**REPORTABLE LEVELS FOR CERTAIN SUBSTANCES (Schedule B of the
EPA Consolidation of Spill Contingency Planning and Reporting
Regulations)**

Appendix I		
Reportable Levels for Certain Substances (Schedule B of the EPA Spill Contingency Planning and Reporting Regulations)		
Item	Substance Spilled	Specified Amount
1	Explosives	Any amount
2	Compressed gas (flammable)	Any amount of gas from container with a capacity greater than 100 litres
3	Compressed gas (non-corrosive, non flammable)	Any amount of gas from containers with a capacity greater than 100 litres
4	Compressed gas (toxic)	Any amount
5	Compressed gas (corrosive)	Any amount
6	Flammable liquids	100 litres
7	Flammable solids	25 kilograms
8	Spontaneously combustible solids	25 kilograms
9	Water reactant solids	25 kilograms
10	Oxidizing substances	50 litres or 50 kilograms
11	Organic Peroxides	1 litre or 1 kilogram
12	Poisons	5 litres or 5 kilograms
13	Infectious substances	Any amount
14	Radioactive	Any amount
15	Corrosive substances	5 litres or 5 kilograms
16	Miscellaneous products of substances, excluding PCB mixtures	50 litres or 50 kilograms
17	Environmentally hazardous	1 litre or 1 kilogram
18	Dangerous wastes	5 litres or 5 kilograms
19	PCB mixtures of 5 or more part per million	0.5 litres or 0.5 kilograms
20	Other contaminants	100 litres or 100 kilograms

APPENDIX J
SPILLS ACTION PLAN PROCEDURE

Appendix J Spill Action Plan Procedures			
Pacifica Resources Ltd. ORGANIZATIONAL MANUAL	Site: Selwyn Project		
	Page(s): 1 of 6		
	Date: February 22, 2007		
	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
INTRODUCTION			
<p>Section 5.1 of the Northwest Territories Environmental Protection Act ("EPA") requires spills to be reported promptly, all reasonable measures are to be taken to stop the discharge and eliminate any danger, and a reasonable effort should be made to notify any members of the public who may be adversely affected by the spill.</p> <p>All spills will require immediate action as necessary, with priorities of:</p> <ol style="list-style-type: none"> 1. protecting lives and preventing injury; 2. protecting the environment; 3. protecting the property; and 4. minimizing disruption of interference with Pacifica Resources Ltd.'s business activities. <p>This procedure is intended to provide a guide in the event of either a hydrocarbon or chemical spill. All spills must be reported to the Project Manager. The Project Manager will screen all information associated with the reported incident and write a follow-up report. Depending on the magnitude of the incident, the Project Manager or his/her designate will be notified immediately.</p> <p>Note: Minor types of spills can be handled readily by staff and resources already in place at the site of the incident, and may not require the involvement of senior management or specialized emergency response teams. Other types of emergencies beyond the capability of those at the scene are likely to be considered major and require additional resources, expertise and formal management.</p>			

Pacifica Resources Ltd. ORGANIZATIONAL MANUAL	Site: Selwyn Project		
	Page(s): 2 of 6		
	Date: February 22, 2007		
	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO

ACTION REPORTING PROCEDURE

1. Any employee discovering an emergency situation shall immediately make an initial determination as to whether he/she can remedy or alleviate the situation prior to seeking additional help or notify the Project Manager.
Note: Life threatening situations must be dealt with immediately.
2. The emergency situation shall be brought to the attention of the Site Manager, Project Manager, and Environmental Compliance Co-ordinator as soon as practicable after discovery.
3. The Project Manager shall immediately investigate the emergency situation and obtain all of the relevant information necessary (such as MSDS's), take initial action to remedy or alleviate the situation and notify the Project Manager or his/her designate as practicable with all pertinent information.
The minimum relevant information shall include:
 - (a) a description of the emergency event;
 - (b) time the emergency event was discovered;
 - (c) where the emergency event occurred;
 - (d) number and status of persons involved; and
 - (e) remedial action implemented to alleviate the situation.
4. The facility Project Manager shall immediately notify the President (604-682-5474 ext 228) his/her alternate and inform them of the nature of the emergency and actions taken.
5. The Project Manager or his/her designate in consultation with the President will make a decision to DECLARE AN EMERGENCY.
6. Once an emergency situation has been declared, all key personnel shall congregate at the designated command centre (Mine Camp).

Pacifica Resources Ltd. ORGANIZATIONAL MANUAL	Site: Selwyn Project		
	Page(s): 3 of 6		
	Date: February 22, 2007		
	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
<p>7. All fuel spills must be immediately reported to an inspector or to the 24 Hour Spill Report Line (867-920-8130), contained and cleaned up upon discovery.</p> <p>8. For major spills, all reports will only be submitted by the VP of Environment and Community Affairs in consultation with the President.</p> <p>9. All requests for information should be directed to the VP of Environment and Community Affairs or the President</p> <p>10. For all major spills, a procedure entitled "Spill Contingency Plan" should be used in place of this procedure. The Spill Contingency Plan outlines the responsibilities and procedural sequences of the events following the discovery of an emergency situation.</p> <p>11. For reporting purposes, use the attached form entitled "Spill Report."</p>			

Pacifica Resources Ltd. ORGANIZATIONAL MANUAL	Site: Selwyn Project		
	Page(s): 4 of 6		
	Date: February 22, 2007		
	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
SPILL REPORT			
Report date:			
Date and time of spill (if known):			
Date and time reported to management:			
Date and time reported to government:			
Location and map co-ordinates (if known) and direction if moving:			
Party responsible:			
Cause of the spill:			
Name and phone number of a contact person close to the spill location:			
Type of product spilled and estimated quantities (provide metric volumes/weights, if possible):			
Is spill terminated or continuing?			

Pacifica Resources Ltd. ORGANIZATIONAL MANUAL	Site: Selwyn Project		
	Page(s): 5 of 6		
	Date: February 22, 2007		
	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
SPILL REPORT (Continued)			
Extent of contamination:			
Factors affecting spill or recovery (temperatures, wind, snow, ice, terrain, buildings, etc.):			
Containment (naturally, booms, dykes or other)/no containment:			
Action (if any) taken or proposed to control, recover, clean up or dispose of spill:			
Do you require assistance? If so, in what form?			
Hazard to persons, property or environment (fire, drinking water, threats to fish or wildlife):			
Agencies on site:			

Pacifica Resources Ltd. ORGANIZATIONAL MANUAL	Site: Selwyn Project		
	Page(s): 6 of 6		
	Date: February 22, 2007		
	Replaces: New		
Subject: Spills Action Plan	Compiled By: Project Environmental Scientist		
	Approved By:		
	VP Environment	VP Exploration	President & CEO
SPILL REPORT (Continued)			
Others notified of spill:			
Comments and/or recommendations/further action required:			
Reported by:		Position of Employee:	
Location:		Telephone No.:	
Reported to:		Position of Employee:	
Location:		Telephone No.:	
Report by: Project Manager and Environmental Compliance Co-ordinator c.c. President, VP Environment and Community Affairs, VP Exploration			

APPENDIX C

APPROVED ENVIRONMENTAL PRACTICES

1. Wildlife and Habitat Preservation
2. Heritage Preservation
3. Land Drilling Discharge



#701 – 475 Howe Street
Vancouver, British Columbia
Canada V6C 2B3

Telephone: (604) 682-5474
Toll-free: 1-877-682-5474
Fax: (604) 682-5404

info@pacifica-resources.com
www.pacifica-resources.com

Oct. 22, 2006

TO: STAFF, Casual Staff, Contractors, and Subcontractors
FROM: Jason Dunning
CC:
RE: Wildlife and Habitat Preservation

To minimize the environmental impacts and to ensure there is wildlife and habitat preservation, all STAFF, Casual Staff, Contractors, and Subcontractors are expected to strictly adhere to the set out policies listed below:

- (1) All persons involved with mineral exploration programs must endeavor to preserve wildlife and their habitat. In all areas where there are active work programs, extra effort must be made to ensure that environmental disruption is kept to an absolute minimum.
- (2) While working in association with a helicopter or fixed-wing aircraft, all persons involved with mineral exploration will ensure following of standard Transport Canada safety policies, as well as maintain a respectable distance from all wildlife. The harassment of wildlife is illegal and close contact should be avoided whenever and wherever possible. The helicopter or fixed-wing aircraft will fly at an appropriate altitude in order to mitigate any disruption of wildlife; noting that migration and breeding habits of all wildlife must be respected at all times such that flying will be restricted to reflect migration and breeding habits.
- (3) Special attention should be paid while fueling vehicles (automobiles, trucks, and boats) and oil stoves in order to prevent spillage. Similar caution should be taken while handling fuel containers such as 205 Litre drums.
- (4) All persons involved with mineral exploration must properly dispose of garbage in an appropriate manner at Government-approved disposal sites.
- (5) All persons involved with mineral exploration shall when traveling in an automobile or truck, travel at a reasonable speed; which means the posted speed limit.
- (6) For Diamond Drilling Discharge Policies for Land and on or near Waterways, see attached memorandum dated February 20, 2004.
- (7) While employed by Pacifica, contractors and employees are not to hunt on mineral claims or areas under Land Use Permit.

A Pacifica representative must supervise all exploration activities to ensure compliance with all government regulations.

Respectfully submitted,
Jason K. Dunning, M.Sc., P.Geo.
Vice President, Exploration



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Friday, December 23, 2005 (Post until further notice)

TO: STAFF, Casual Staff, Contractors, and Subcontractors

FROM: Jason K. Dunning

CC:

RE: Heritage Preservation

To minimize the impacts to heritage sites and to ensure there is heritage preservation during exploration activities, all STAFF, Casual Staff, Contractors, and Subcontractors are expected to strictly adhere to the set out policies listed below:

(1) It is noted that all heritage sites are protected from disturbance under the Yukon Historic Resources Act and the Yukon Archaeological Sites Regulations. This includes cabins, caches, graves, brush camps, and other man-made structures, features or objects that have been abandoned and are greater than 50 years in antiquity.

(2) There will be no disturbance of historic sites if encountered during mining land use or land use during exploration activities.

(3) There will be no removal of materials, objects and/or artifacts from these historic sites.

(4) Should a historic site be identified during the course of exploration activities, the Staff, Contractor, and/or Subcontractor will notify the Project Manager who will then notify the Government of Yukon, Heritage Resources Unit. The Project Manager will provide the location and the nature of the site.

A Pacifica representative must supervise all exploration activities to ensure compliance with all government regulations.

Respectfully submitted,

Jason K. Dunning, M.Sc., P.Geo.
Vice President, Exploration



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www.Pacific-resources.com

Friday, January 14, 2005

TO: **DRILLING CONTRACTORS**
FROM: Jason K. Dunning
CC:
RE: **DRILLING DISCHARGE POLICY ON LAND**

To minimize the environmental impacts of drilling activity and prevent the materials from the worksite entering into waterways such as lakes, streams, and wetlands, all drilling contractors are expected to strictly adhere to the set out Land-based discharge policies listed below:

- All coarse cuttings from drilling activity will be collected into a natural sump at least 30 meters from any watercourse.
- Excess filtered fluids are to be contained, transported to an approved *natural* settling pond such as a sump at a safe distance from any waterways.
- At all drill sites, all hydrocarbons products including grease and hydraulic fluids must be contained, collected and transported to a Government approved recycling facility, approved, and/or designated waste disposal facility.
- All fuel barrels at or near the drill site must have absorbent matting and/or protective stands in order to collect any possible spillage.
- All garbage including wire, wood and plastic must be collected and disposed in a Government approved and/or designated waste disposal facility.
- If near a riparian zone, a large tarp must be placed beneath the drill to prevent any hydrocarbons and drill cuttings from reaching the ground. Any materials collected on the tarp must be disposed in a Government approved or designated waste disposal facility.

A Pacifica representative must supervise all drilling activities to ensure compliance with all government regulations.

Respectfully submitted,

Jason K. Dunning, M.Sc., P.Geo.
Vice President, Exploration

ATTACHMENT 4
SUMMARY OF COMMUNITY CONSULTATION



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COMMUNITY OPEN HOUSE SUMMARY

Date: October 15th, 2006

Time: 2:00 to 4:00 pm

Location: Tulita, NWT. Tulita Arena

Subject: Pacifica's plans for mineral exploration in the Sahtu in 2007

Pre-work:

On October 2nd, 2006 invitations along with a Community Notice were faxed to various interested parties throughout the District. Pacifica worked with Valerie Yakaleah to coordinate posting of the Community Notice.

Open House

Justin Himmelright, Manager of Environment and Community Affairs for Pacifica Resources was present to provide a presentation and answer questions. Posters were set up providing general information regarding the company, the project, and the proposed exploration program. Hand outs were made available including a the company annual report for 2005 and a booklet from produced by Government of Canada entitled "Mining Information Kit for Aboriginal Communities". A sign in sheet was circulated and comment sheets and pens distributed to the attendees. The event was catered with soup and sandwiches, fruit, and some sweets.

For the first half hour people came in to the arena and picked up the handouts and filled out the sign in sheet. They browsed the posters and snacked on the food provided. The Power Point presentation was automated and animated and many paused to watch it for a time.

Justin Himmelright then addressed the assembled group and walked through the information on each of the posters and spoke to the information provided through the Power Point presentation. The main points provided through this presentation included:

- An overview of the mineral exploration industry, phases of mineral property development and how Pacifica Resources and the Selwyn Project sit in relation to that information
- the location of the project relative to the community, to other communities in the Sahtu and the Yukon, to important heritage areas such as Mile 222 on the Canol Trail, and to the Yukon/NWT border
- the extent and nature of the work already being conducted on the project on the Yukon side of the border
- the nature, extent, and timing of the work planned for those portions of the project on the NWT side of the border

- how the activity and infrastructure in the Yukon will be used to support the work in the NWT.
- the potential timing for a mine development at the Selwyn Project

The audience was encouraged to ask questions throughout the presentation. The questions that were asked include:

Q: Would the mine be open pit or underground?

A: Most likely both methods would be used.

Q: What is happening with the access road from Tungsten? (Pacifica has a permit pending from the Mackenzie Valley Land and Water Board to re-activate an existing road)

A: We are waiting for the MVLWB to issue to terms and conditions required for us to use that road.

Q: The company is looking for zinc. What happens if you find gold or diamonds? Do you ignore it?

A: No we wouldn't but it is unlikely that we would find such things in the area we are working in. The geology of the area is well known and studied and we are focused on those areas that have the best potential for zinc and lead.

Q: What are the implication of this project for the Tulita District?

A: Pacifica will be putting forward an application to the Sahtu Land and Water Board and they will likely circulate the application for comment. Overall there is a high level of exploration happening in the area and having some work happening on Tulita lands does open the door for possible economic opportunities.

Open House Results

Attendees Leon Andrew – Mackay Range Dev. Corp
 Jody Snortland – Sahtu Renewable Resource Board
 Wilfred Lennie – President, Tulita Renewable Resources
 Brodie Thomas
 Alvin Yallee
 Fred Clement – Tulita Lands
 Ethel Blondin-Andrew – Norman Wells Land Corporation
 Rocky Norwegian
 Frank Andrew – Tulita Dene Band
 Gabriel Horassi
 John Hetchinelle
 Maurice Mendo

Comment sheets submitted: 6

Notable comments:

1. Never assume people know what you are doing. Always overload and some of it will stick. Keep good relations
2. No more Sunday meetings
3. (would like to know more on) How the company do work in the Sahtu Area, keep the community informed about the project and what areas are going to be worked on.
4. Keep in touch with the District Lands on projects such as drilling, staking, etc.

Available Documentation

Community Notice

Invitation Letters

Fax records for invitations

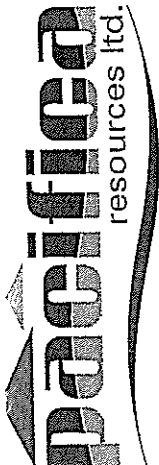
Open House Information Posters

Power Point Presentation

Open House sign in sheets (2)

Open House comment sheets (6)

Hand outs – Pacifica Resources Annual Report 2005, Mining Information Kit for Aboriginal Communities



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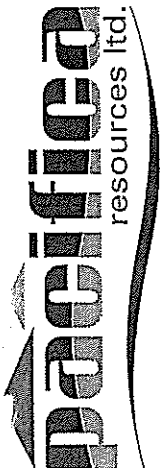
OPEN HOUSE SIGN IN SHEET

Date: Oct. 15 2008
 Location: TULITA NT
 Sheet: 1 of 2

Thank-you for taking the time to fill in the information below. Please enjoy the open house and feel free to ask questions of the Pacifica representatives who are here today.

Name	Company / Organization	Address	email	Phone Number	Would you like to receive information updates from Pacifica Resources?
Leon Andrew	Mackay Group Dev. Corp. KTN Dene	115 Loukings Nun	leona@kntn.com	867-445-6187	Yes
JODY SNISTLAND	SRRB	Tulita	director@srrb.nt.ca	(867) 588-4040	Yes
Billie Jean	TRRC	Tulita	pres@trrc.ca	867 588 4724	Yes
Bodie Thomas	Blackwater Contracting	Box 46 Tulita	cyall@blackwatercontracting.ca	867-588-3090	Yes
FRESH ELEMENT	TULITA 105	Tulita		867-588-5447	Yes
Espen Blomdin-Andrews	Norman Wells Hand Contracting Rocky 15	Norman Wells Box 149 Tulita, N.T.	espa@normanwellscontracting.ca	867 445-8088	Yes
Rocky Noewegian	CONTRACTING		M_NORWEGIAN@HOTMAIL.COM	867-588-4531	Yes

2



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OPEN HOUSE SIGN IN SHEET

Date: Oct 15/06
 Location: Twitter
 Sheet: 2 of 2

Thank-you for taking the time to fill in the information below. Please enjoy the open house and feel free to ask questions of the Pacifica representatives who are here today.

Name	Company / Organization	Address	email	Phone Number	Would you like to receive information updates from Pacifica Resources?
Frank Cui	Tulita Dev Pac	Twitter Box 113 V0G-0K0	—	867 588 3341	
CIBELLE HOIASI					
JOAN HETCHINELLE					
MAURICE MENDO					



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 Fax: (604) 682-5404
 info@pacific-resources.com
 www.pacific-resources.com

OPEN HOUSE COMMENT SHEET

Date: October 15, 2006

Location: Tuleta

Name: Alvin Yaltee

Ph: 867-588-3040 or
867-581-3321
 email: ayaltee1@nt.sympatico.ca

Address: Box 46
Tuleta, NT X0E 0K0
OF GENERAL DELIVERY
WILKIE, NT X0E 1F2

I would like to get the newsletter.
 Yes No

1. How did you hear about the Open House?

Community Notice

2. What information was useful?

Project info on opportunities for
community members in Tuleta

3. What would you like to know more about?

Contracts - Construction

4. What comments and suggestions to you have for the company and the project?

None @ the moment.



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Toll-free: 1-877-682-5474
Fax: (604) 682-5404

info@pacific-resources.com
www.pacific-resources.com

OPEN HOUSE COMMENT SHEET

Date: Oct. 15 2006

Location: Tulit'a N.W.T.

Name: Ethel Blondin Andrew

Ph: _____

Address: 5020 - 46 St.
Yellowknife, NT
X1A 1L3

email: ehamam@indene@keedge.ca

I would like to get the newsletter.
Yes No

1. How did you hear about the Open House?

Word of mouth - Moccasin Telegraph
"He said - she said"

2. What information was useful?

The exploration process - the location of camps
and also the implications for cross border
issues - ie. Stedding deposits etc.

3. What would you like to know more about?

Just keeping updated is good
enough.

4. What comments and suggestions ^{do} you have for the company and the project?

Never assume people know what
you are doing -> always overhead
and come at it with stick!
Keep good relations!!



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Vancouver, British Columbia
Canada V6C 2B3

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Toll-free: 1-877-682-5474
Fax: (604) 682-5404

info@pacific-resources.com
www.pacific-resources.com

OPEN HOUSE COMMENT SHEET

Date: Oct 15

Location: Twita

Name: Brodie Thomas

Ph: _____

Address: _____

email: _____

I would like to get the newsletter.
Yes _____ No X

1. How did you hear about the Open House?

Poster @ Post Office

2. What information was useful?

3. What would you like to know more about?

4. What comments and suggestions to you have for the company and the project?

Thank-you for taking the time to fill in this comment sheet. Your input is valuable to us and we appreciate any comments you may have.



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Canada V6C 2B3

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Toll-free: 1-877-682-5474
Fax: (604) 682-5404

info@pacific-resources.com
www.pacific-resources.com

OPEN HOUSE COMMENT SHEET

Date: October 15, 2006

Location: Tu Cota, NT

Name: TODY SNORTLAND

Ph: (567) 588-4040

Address: _____

email: director@srnb.nt.ca

I would like to get the newsletter.
Yes _____ No

1. How did you hear about the Open House?
faxed invitation

2. What information was useful?
Morning Info Kit

3. What would you like to know more about?

4. What comments and suggestions to you have for the company and the project?
Do more Sunday meetings



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 Fax: (604) 682-5404
 info@pacific-resources.com
 www.pacific-resources.com

OPEN HOUSE COMMENT SHEET

Date: Sept. 15 / 2006

Location: TUNITA

Name: DOUGLAS YALLEE

Ph: (867)-588-3158

Address: Box. 129
TUNITA, N.T.
XOE-DKO

email: doug_yallee@hotmail.com

I would like to get the newsletter.
 Yes No

1. How did you hear about the Open House?

local land corporation

2. What information was useful?

Maps, C.D. video, Books that were presented

3. What would you like to know more about?

All areas that Pacifica is interested in doing work within the Sault Area.
More information

4. What comments and suggestions do you have for the company and the project?

How the company do work in the Sault Area
Keep the community inform about the project.
and what areas are going to be worked on.



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info@pacifica-resources.com
www.pacifica-resources.com

OPEN HOUSE COMMENT SHEET

Date: October 11/2006

Location: TULITA P.W.T.

Name: Leon Andrew

Ph: ^{Cell} 867-945-6187

Address: 5020-46ST
YELLOWKNIFE NT
X1A 1L3

email: hamontirone@theedge.ca

I would like to get the newsletter.
Yes No

1. How did you hear about the Open House?

Through Mackay Range Dev. Corp.

2. What information was useful?

Community Consultation
Regarding Pacific Resources operation.
where, why & when.

3. What would you like to know more about?

UP DATE Monthly or Yearly Report.
Exploration Progress

4. What comments and suggestions to you have for the company and the project?

Keep in touch with the DISTRICT
LANDS. 867-588-3437
Such as PROJECT ACTIVITIES DRILLING, STAKING ETC
INFORMATION.



Tulita Community Consultation Presentation

October 13, 2006

WELCOME

Welcome to the Pacifica Resources Open House.

Please help yourself to the food and drinks.

Feel free to ask questions.

Please take some time to fill in the comment card provided.

THANKS FOR COMING.

WHERE IS THE SELWYN PROJECT ?



The Selwyn Project is located at Howards Pass, 330 km south-west of Tulita.

3

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WHERE IS THE SELWYN PROJECT ?



..... 340 km from Norman Wells

4

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WHERE IS THE SELWYN PROJECT ?

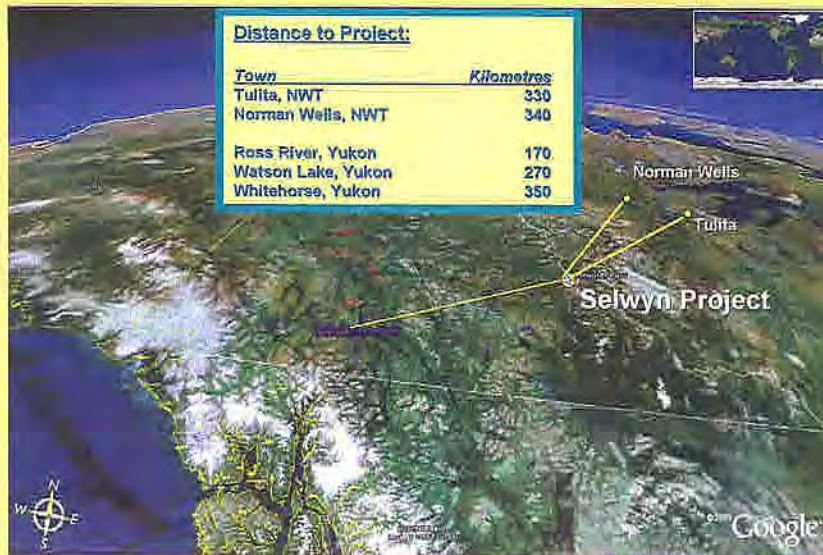


..... and 100 km from Mile 222 on the Canol Trail

5

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WHERE IS THE SELWYN PROJECT ?



6

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WHERE IS THE SELWYN PROJECT ?

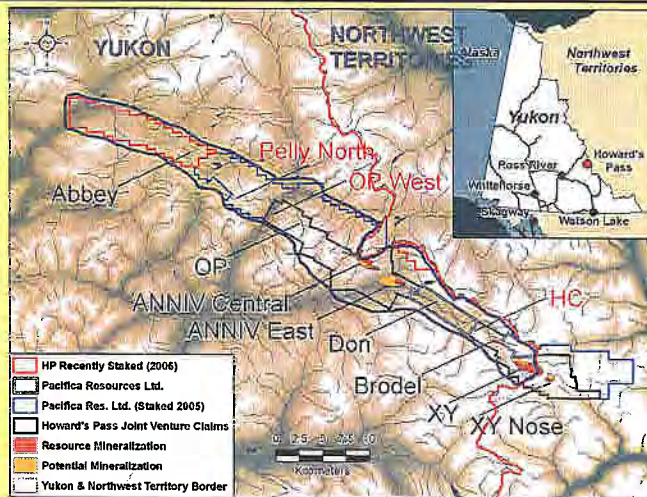


The Yukon and Northwest Territories Border divides the project.

7



WHERE IS THE SELWYN PROJECT ?



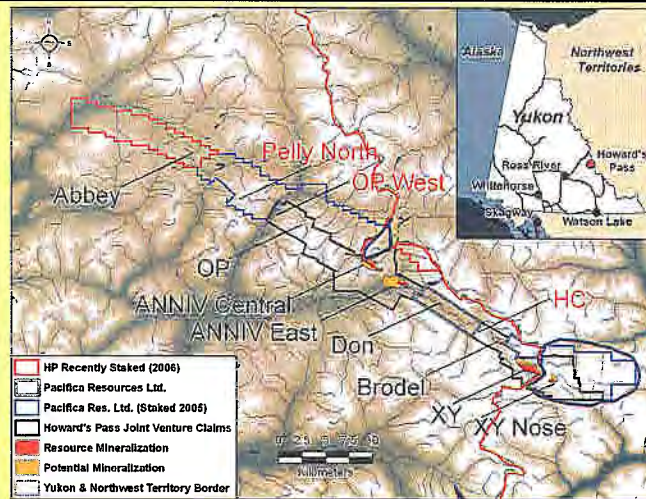
...and most of the project area is in the Yukon.

Pacifica has been exploring here for the past two years

8



WHERE IS THE SELWYN PROJECT ?

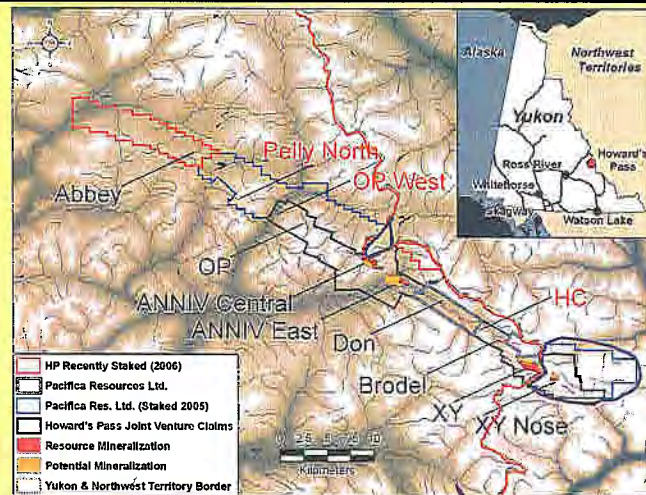


Some small areas are in the Sahtu

9



WHERE IS THE SELWYN PROJECT ?



and Pacifica intends to start exploration in these areas

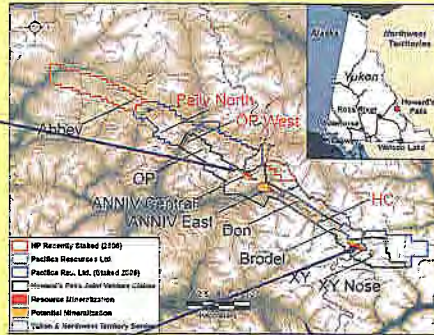
10



WHAT HAPPENS IN EXPLORATION?



ANNIV CAMP



XY CAMP

Pacifica has 2 camps operating on the Yukon side of the border.

11



WHAT HAPPENS IN EXPLORATION?

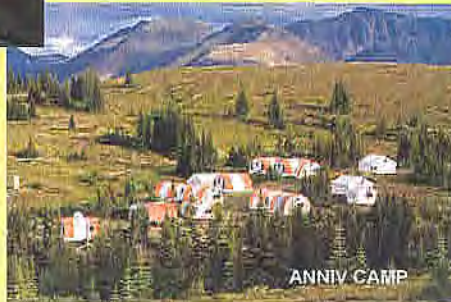


XY CAMP

Each camp supports about 40 workers. Camp staff include:

- Geologists
- Biologists
- Geological technicians
- Pilots and aircraft mechanics

- Surveyors
- Drillers
- Equipment operators
- Carpenters and camp maintenance
- Cooks and kitchen staff
- Administrative and first aid



ANNIV CAMP

12



WHAT HAPPENS IN EXPLORATION?



Each camp is supported by a small airstrip. Flights from Whitehorse and Watson Lake bring in:

- people,
- groceries,
- fuel, and
- other supplies

13

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WHAT HAPPENS IN EXPLORATION?



Each tent sleeps 4 people.

Tents are insulated and heated by electric baseboards or diesel stove.

Mattresses are provided but each worker must bring their own sleeping bag.

There are tents for women workers and men and women bunk separately.

14

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WHAT HAPPENS IN EXPLORATION?



Each camp also has a 'dry' tent.

In the 'dry', the heat is kept on high all day.

Workers hang wet clothes, boots and equipment in the dry at the end of the work day so it will be dry and ready for work on the following day.

15

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WHAT HAPPENS IN EXPLORATION?



Each camp has a wash house.

The wash house has sinks, mirrors, and washers and dryers for laundry.

The wash house also has private shower stalls with locking doors.

Men and women workers share the wash house.

16

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WHAT HAPPENS IN EXPLORATION?



There are no flush toilets.

17

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WHAT HAPPENS IN EXPLORATION?



Each camp has a kitchen combined with a dining area.

The dining area seats about 24 people.

Breakfast and dinner are served between 6:00 and 8:00

Lunch materials are available and workers are responsible to make their own lunches.

18

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WHAT HAPPENS IN EXPLORATION?



Kitchens are equipped with stoves, ovens, fridges, sinks, and food prep areas.

There are no dishwashing machines.

A separate building is used for food storage. This building has shelving for dry goods and a large freezer.

19

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WHAT HAPPENS IN EXPLORATION?



Kitchen staff are our hardest workers.

They work in shifts, one shift for morning and lunch and second for dinner.

They are responsible for all meal planning, food orders, cooking, and cleaning in the kitchens.

And the food is REALLY GOOD!

20

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WHAT HAPPENS IN EXPLORATION?



Each camp also has a helicopter on site at all times.

Helicopters are essential to our work.

Helicopters are critical for safety. It is a long way to get medical help.

21

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WHAT HAPPENS IN EXPLORATION?



Most of the exploration area is not accessible by road or trail.



The main use of helicopters is to move workers and equipment from one area to another.

22

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WHAT HAPPENS IN EXPLORATION?



Helicopter supported

And all of these people and equipment are needed to support this activity.....

DRILLING

There are 2 types of drills at work at the Selwyn Project.



CAT supported

23

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WHAT HAPPENS IN EXPLORATION?



In helicopter supported drilling, a site prep crew goes to area ahead of the drillers.

They clear a small area and build a level platform for the drill

The drill is lifted into place in sections by a helicopter.

When the drilling is finished the drill is lifted out and the platform removed.



24

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WHAT HAPPENS IN EXPLORATION?



Helicopter supported drills are used mostly to explore new areas where we don't know what is under the ground.

25

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WHAT HAPPENS IN EXPLORATION?



This type of drilling is confined to smaller areas.

Drills are moved only 50 meters to 200 meters with each drill move.

This type of work is used to find the edges of the mineral area and discover how deep it is.



26

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WHAT HAPPENS IN EXPLORATION?



The Pacifica camps at the Selwyn Project support 8 drills
There are 4 drills at each camp.

37



WHAT HAPPENS IN EXPLORATION?



The drills are used to make
this.....

DRILL CORE

Drill core is a rock cylinder
about 2.75 inches across.



26



WHAT HAPPENS IN EXPLORATION?



Geologists use the core to understand the structure of the mineral resource.

This information is used to decide where to drill next.

Where there is mineral found, the core is split and half of it is sent to a lab to determine the amount of mineral in the rock.



29

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WHAT HAPPENS IN EXPLORATION?

Geology is not the only thing being studied at Selwyn
Studies of the environment were started this year.



We are collecting information about:

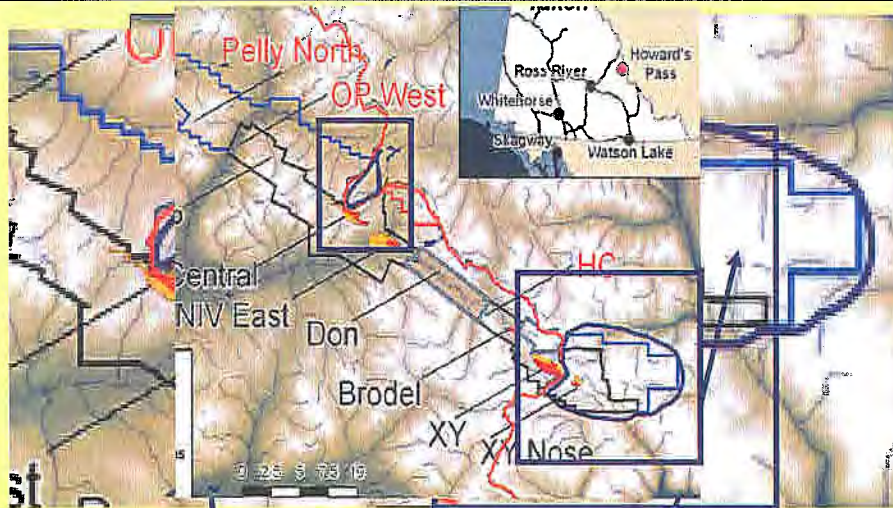
- Water quality
- Fisheries
- Plants
- Wildlife
- Weather
-and more

The environmental studies at Selwyn will be carried out for several years. This information will be used to help evaluate the potential impact of a mine development on the environment.

30

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WHAT HAPPENS IN EXPLORATION?



There are two small areas that Pacifica will explore in Sahtu

31

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WHAT HAPPENS IN EXPLORATION?

When Pacifica begins exploration in the Sahtu area

drills working on the Yukon side

will move over the border to explore on the Northwest Territories side



32

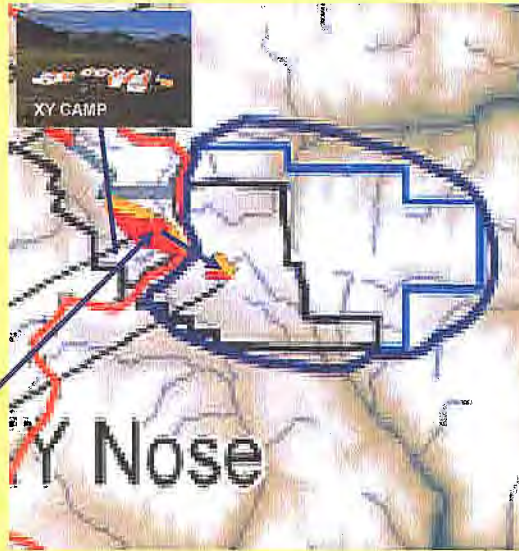
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WHAT HAPPENS IN EXPLORATION?

When Pacifica begins exploration in the Sahtu area

drills working on the Yukon side

will move over the border to explore on the Northwest Territories side



33

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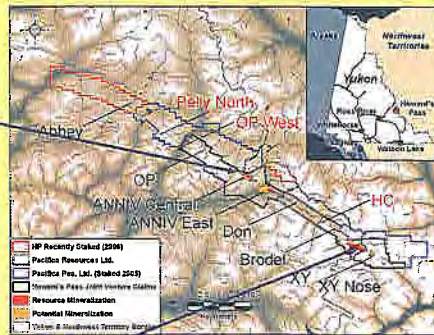
WHAT HAPPENS IN EXPLORATION?



ANNIV CAMP



XY CAMP



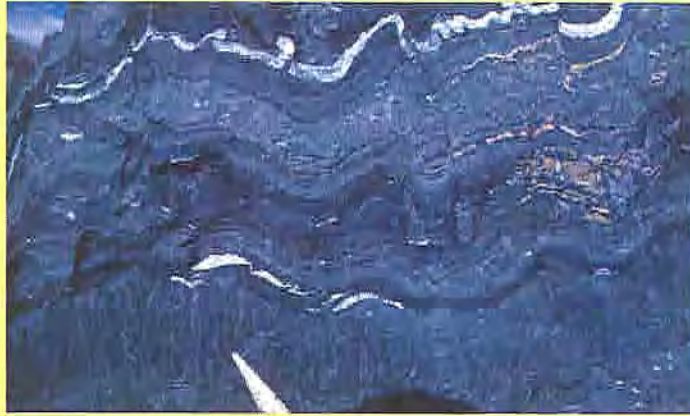
No camps will be built in the Sahtu area

All work will be supported from the two camps in the Yukon

34

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WHAT ARE WE LOOKING FOR ?



This kind of rock.
It is rich in zinc and lead.

35

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WHAT IS ZINC USED FOR ?



Zinc is used to cover steel and prevent rust.
It is an important metal in the construction industry

36

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WHAT IS ZINC USED FOR ?



Zinc is also important for health.

It is used in nutrition supplements and ointments
and creams

37

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When will we build a mine ?

.....not for many years

38

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WHAT IS NEEDED TO BUILD THE MINE ?

in 2006



More drilling and environmental studies

39

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WHAT IS NEEDED TO BUILD THE MINE ?

in 2007



Drilling

Environmental studies

Engineering studies

40

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WHAT IS NEEDED TO BUILD THE MINE ?

in 2008



Drilling



Environmental studies



Engineering studies



Underground test mining



41

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WHAT IS NEEDED TO BUILD THE MINE ?

in 2009



Drilling



Environmental studies



Engineering studies



Underground test mining



42

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WHAT IS NEEDED TO BUILD THE MINE ?



Drilling



Environmental studies

Engineering studies

Underground test mining

2010



43

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WHAT IS NEEDED TO BUILD THE MINE ?



in 2011



Environmental studies

Engineering studies

Construction



44

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WHAT IS NEEDED TO BUILD THE MINE ?



in 2012

Environmental studies

Engineering studies

Construction

Mining

45

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WHAT IS NEEDED TO BUILD THE MINE ?

There is a lot of work to do before a mine is built.

There are a lot of questions to answer.

The exploration work we are doing is starting to answer some questions.

Pacifica will be working for many more years in the community and at Howards Pass before any mining happens.

Throughout this time we will provide information to the community and seek your input to our work.

46

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THANK YOU FOR COMING
MUSSI CHO

ATTACHMENT 5
TRADITIONAL KNOWLEDGE RESEARCH

PRELIMINARY REPORT
TRADITIONAL ECOLOGICAL STUDY
HOWARD PASS
NOVEMBER 2006

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Report on Traditional Ecological Knowledge survey for Pacifica Resources Ltd. Selwyn Project including Howard's Pass in Sahtu Traditional Lands.

BACKGROUND

The area under study has been identified as Howard's Pass in the Tulita District, Sahtu Region.

The study was conducted by interviewing nine individuals from the various families using the area. The interviewees were harvesters, family members and elders providing a good cross-section of the area's users.

The Shuhtah Gotine (Central Mountain Mackenzie Dene) use Howard's Pass and its entire surrounding area. A variety of activities are carried out in this area, such activities include hunting, trapping, and fishing.

The people interviewed for this study were:

- Norman Andrew
- William Andrew
- David Etchinelle
- John B. Hetchinelle
- Gabriel Horassi
- Robert Horassi
- William Horassi
- Maurice Mendo
- David Yelle

GENERAL

TRADITIONAL TRAILS

Traditional trails were used by the ancestors of the Shuhtah Gotine. Overall, the interviewees are not aware of the location of traditional trails; however, each interviewee commented that ancestors travelled throughout the central region of the Mackenzie Mountain Range.

LOCAL TRADITIONAL NAMES

The places are identified:

1. Shuh tah gotine - Central Mackenzie Mountain Dene
2. Tehjihdeé - Mink River

3. Zehbahtaot'ine – the Mountain Goat People
4. Eh'Bah – Goat People
5. Tah tsi deh – Nahanni River
6. Ná Chá - Nahanni River

Interviewees were neither aware of the origins of these traditional names nor of any stories associated to the names.

USERS

Each interviewee indicated that **Howard's Pass** and the surrounding area have been used as Mountain Dene traditional lands for generations. Some of the expressions used to describe the length of time the areas have been used by people are: "from generation to generation" and "our ancestors have travelled throughout the Central Mackenzie Mountain".

Although each interviewee remark on a strong ancestral connection to Howard's pass and the Central Mackenzie Mountain Range, one interviewee commented that the younger generation have not gone into the area. He stated, "Our ancestors have used, hunted, trapped historically, but now the new generation have not gone into the area." However, this should not be implied to mean that the area is not being used by others in the community.

USES

Howard's Pass and the surrounding area have and are being used primarily for hunting, trapping, fishing, and camping. Subsistence harvesting has been identified as one of the main activities.

All interviewees stated that there are no known traditional boundaries in these areas. Everyone uses the areas in the best way they see fit and the areas are open to all.

CABINS

Each interviewee commented that they were not aware of any cabins; only ancestral camp sites were mentioned as existing in Howard's Pass and the Central Mackenzie Mountain area.

LAND USES

Each interviewee stated that in the **Howard's Pass** area, and more specifically the Nahanni River, the Tuli't'a Dene rarely access this area for subsistence activities, such as hunting, trapping, or fishing. One interviewee mentioned that Dehcho people operate summer canoe tours for tourists in the area.

Three interviewees stated that the **Fort Liard** area and four interviewees commented on the **Fort Simpson** area are used for tourist activities, such as river paddling tours and big game hunting.

PERMAFROST

Each interviewee indicated that permafrost is present in the whole area. Moreover, interviewees mentioned ice patches in the Central Mackenzie Mountain area.

TREES & PLANTS

Trees

Birch provides:

- Food source for wildlife (big game)

Willow provides:

- Food source for wildlife (moose, rabbit, big game)

Plants

In all areas the plants, such as flowers, grass, lake plants, lichen, moss, roots provide food source for both small and big wildlife.

Salt Lick areas

One interview commented that salt lick areas are important to the wildlife and must be protected.

MEDICINE

The following is a list of plants and trees used as medicine, indicating what they treat and where they can be found:

- Blueberries – used for tea.
- Pussy willow (bud and root) – boiled for tea to help with breathing.

WILDLIFE

The following is a list of the wildlife found in the areas of the study:

Howard's Pass Area

- Bear –grizzly
- Beaver
- Caribou
- Chipmunk
- Duck
- Fox
- Goat

- Ground Squirrel
- Grouse
- Lynx
- Marmot
- Marten
- Mice
- Mink
- Moose
- Muskrat
- Otter
- Porcupine
- Ptarmigan
- Rabbit
- Sheep
- Weasel
- Wolf
- Wolverine

FISH

Below is a list of fish species:

- Lakes – Whitefish
 - No mention of method of fishing
- Nahanni River – Dolly Varden, Graylings, Trout
 - Use hook.
- Rivers and Streams – unidentified fish species
 - Use hook.

SPAWN

Below is a list of fish species:

- Lakes – Whitefish
 - September, October, November
 - Run on lake, spawn in shallow waters.
- Lakes – Trout
 - September, November
 - Run on lake, spawn in shallow waters.
- Streams – Sucker
 - June
 - Run upstream, spawn in shallow waters.
- Streams – Graylings
 - May, June
 - Run upstream, spawn in shallow waters.

- Streams – unidentified fish species
 - May, June
 - Run upstream, spawn on shallow waters.

FREEZE-UP

In Howard's Pass and the surrounding area, generally freeze-up occurs in November. However, it must be noted that interviewees' comments indicate freeze-up may not be occurring as they were in times past. Comments such as "Normally in November rivers freeze, but there is no snow now", "Small creeks usually freeze; today weather changes", "Small creeks freeze. Not sure about today, it is different."

HISTORICAL, CEREMONIAL & BURIAL SITES

Each interviewee commented that they were "not sure" of any historical, ceremonial, or burial sites.

SPRINGS

The only springs that interviewees mentioned were "hot springs at Nahanni". Interviewees mentioned that their ancestors talked about these hot springs. Interviewees also commented that did not know the exact location of the springs. More importantly, the springs "must be respected" as one interviewee bluntly stated.

EARTHQUAKES/LANDSLIDES

Five interviewees commented "no" to earthquakes/landslides. Three interviewees commented that they experienced the "earth shake", or the "ground speaking" (early 1960s). One interviewee stated there are "many landslides", but "not earthquakes".

OTHER SOURCES OF INFORMATION

Interviewees recommend accessing the following information sources:

1. Dene Nation, Yukon
2. RRC Tulit'a office
3. Yellowknife Museum
4. Sahtu Atlas

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: October 16/2006

Interviewer: Leon Andrew
Print name

[Signature]
Signature

Interviewee: Frank Andrew
Print name

Signature

QUESTIONS

1. Who uses the area around the proposed sites?

Shuktokh gathine - Central Mackenzie Mtn Dene

2. How long have you/they been using the area? How long has your family used the area?

Generation to Generation

3. Do you have a cabin or camp in the area? If so, where is it?

No Cabin

Shuktokh gathine have or had Camp site in the whole Central Mackenzie Mtn

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?

No Boundaries, Home land consider by where one is born.
today's land claim has create Boundaries

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?

near lake Camp site Drinking water, fishing,
lowland Hunting, trapping,
mountain Hunt, Sheep, Caribou
ICE PATCH - POTENTIAL "ARTEFACT"

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?

Yes in The whole Area

Area with SAIT licks
Mont. Bat
PFO Tectad

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?

they is very important part of our ecology
- Willows Moose etc;
- Very good Grazing Ptarmigan
All plants are good for medicines except some plant are poisons

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where?

Caribou, Sheep, Moose, Ptarmigan, Marmot
Ground Squirrel, Marmot, weasel, wolf, Wolverine
Fishes - Grayling, Whole Alce

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

Nahanni River has Dolly Varden, Grayling etc.
Most Mtn Stream has fish.

10. Do you know when and where fish spawn? What Species?

Usually Grayling Run in June up stream

11. What rivers/streams are used for travel?

Walk along stream
Nahanni by Boat.

12. When does the water typically freeze?

Middle October usually freezes small creek
to say weather changes.

13. Are there any springs in the area?

Not Sure

14. Are there traditional trails and access routes in the area? If so, where?

Our Ancestor have travel the great Valley
of each Creek & River, today is unknown
where traditional trail are
Access by Plane

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

None from 7/11/07 No hunting or trapping, fishing
only, canoe tour Done Doh-cho
Pudalla, The Great Mahanni

16. Are there any burial or significant historical sites in the area? If so, where?

NOT SURE

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

Not sure

18. Traditional Names:

- a. Do you know the traditional names of features in the area
- b. How did the feature get the name
- c. Are there stories attached to the names

No

19. Have there ever been earthquakes or landslides in this area? When?

No

20. Are there other sources of information for the area? If so, please list.

Done Nelson etc.

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCT 15 2006

Interviewer: Leon Appad
Print name

[Signature]
Signature

Interviewee: NORMAN ANDREW
Print name

[Signature]
Signature

QUESTIONS

1. Who uses the area around the proposed sites?
OUR ANCESTORS HAVE USED THAT AREA UPPER
NATIONNI RIVER, HUNTING & TRAPPING

2. How long have you/they been using the area? How long has your family used the area?
FROM GENERATION TO GENERATION
THEY COME FROM TEDIKA TO RIVER YUKON & WARD YUKON
AND WITHIN MACKENZIE MOUNTAIN RANGE (WHOLE AREA)

3. Do you have a cabin or camp in the area? If so, where is it?
NO

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?
NO TRADITIONAL BOUNDARIES

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?
LOWLAND - WELL BE CONSIDERED FOR TRAPPING & HUNTING
NEAR LAKE - FISH, DRINKING WATER
MOUNTAIN TOP, HUNT SHEEP, GRAND SQUIRRELS, CARIBOU OR ICE PATCH
(WHOLE AREA)

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?
YES THERE PERMAFROST ALL IN THE WHOLE AREA.

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?
GRASS, ALL THE PLANTS, WILDLIFE HABITAT.

SMALL Willows, Birch, Moose, BERRY PHARMACEUTICAL GRASS - ETC
VEG IS VERY IMPORTANT FOR WILDLIFE IN THE AREA

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where?

Crow, Sharp-shinned Hawk, Raven, Mink, Wolf,
Gopher, Beaver, Coon,
Marten, Fisher, Otter

Both or all species are hunted & trapped.

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

Nahanni River has trout. Caught by hook,
lake usually have white fish

10. Do you know when and where fish spawn? What Species?

In June Gopher Run upstream spawn on shallow waters
Sept. White fish Run on lake, spawn on shallow waters

11. What rivers/streams are used for travel?

Nahanni River our ancestor have made a Moose skin
and travel the river side, but watch Virginia Fall

12. When does the water typically freeze?

October. Usually small creek freezes.

13. Are there any springs in the area?

Not sure
our ancestor have spoke about hot spring
on Nahanni River but location unknown.

14. Are there traditional trails and access routes in the area? If so, where?

Not sure where traditional trail is that area.

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

Not today our people have not gone into that
area like our ancestor did.
Tourist activities, one operated out of suspension, kind
paddling.

16. Are there any burial or significant historical sites in the area? If so, where?

Not sure

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

Not sure

18. Traditional Names:

- a. Do you know the traditional names of features in the area
- b. How did the feature get the name
- c. Are there stories attached to the names

no

19. Have there ever been earthquakes or landslides in this area? When?

no

20. Are there other sources of information for the area? If so, please list.

ell. office TULIWA OR Yellowknife Museum

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: October 16 2006

Interviewer: Leslie Anderson
Print name

[Signature]
Signature

Interviewee: David Etchinelle
Print name

[Signature]
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

Central Inupiaq Mountain Range (Shuktagotina)
have travel into all the AREA

2. How long have you/they been using the area? How long has your family used the area?

Generation to Generation
Shuktagotina have hunted & trapped in
AREA

3. Do you have a cabin or camp in the area? If so, where is it?

No Not today no cabin

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?

No Traditional Boundary
only by one born in AREA they have
connection to land they called it Home Land

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?

Near lake, fishy other water animal are plenty.
lowland - trapping, hunting for different animals
Mountains - sheep, ground squirrels
ice patch - carbon hang out, INTEREST! POTENTIAL - (whole AREA)

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?

Yes PERMAFROST all over the whole AREA.
Cold Mountain stream coming out of MTR

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?

Very Grass, flower, Plant are all good for arbor, mouse etc
Willow, Birch, are good for arbor
Berries good for Bird, Grouse, Ptarmigan

Whole Area

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where?

WASSE Sheep Goat Bear Grizzly Wolf Mule Deer,
Fishing Mink, Fox, Grouse

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

Nahanni River, Dolly Varden, Grayling
Lake White Fish

10. Do you know when and where fish spawn? What Species?

SPRING June GRAYLING RIVER SPAWN ON SHALLOW WATERS

FALL White Fish River Sept-Oct, SPAWN SHALLOW WATERS

11. What rivers/streams are used for travel?

Nahanni River People travel it with boat

12. When does the water typically freeze?

October in the central Mackenzie Mtn
Small Creek freeze

13. Are there any springs in the area?

There are hot springs says our Ancestors in Nahanni
River. Location unknown.

MUST be Respected

14. Are there traditional trails and access routes in the area? If so, where?

NOT SURE

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

NO to hunting, trapping, fishing
only canoe trail tower out of Reh Cho
Practicing the Nahanni River

16. Are there any burial or significant historical sites in the area? If so, where?

NO NOT SURE

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

NOT SURE

18. Traditional Names:

- a. Do you know the traditional names of features in the area
- b. How did the feature get the name
- c. Are there stories attached to the names

hak. geh. deh. (Mink River) (Shukrah go Time)
Setting Name

19. Have there ever been earthquakes or landslides in this area? When?

EARLY 60'S Earthquake Ground
SHAKING

20. Are there other sources of information for the area? If so, please list.

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCT 14/2006

Interviewer: Leon Andrew
Print name

L. Andrew
Signature

Interviewee: John B. Hitchinell
Print name

John B. Hitchinell
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

All our ANCESTORS have work or used that AREA.
Hunting, Trapping, Fishing, MAINLY adjacent to KEEBE
RIVER. Upper NAHANAI ROUTES

2. How long have you/they been using the area? How long has your family used the area?

OUR ANCESTORS have used hunted Trapped Historically
BUT NOW NOW GENERATIONS have NOT gone into AREA.

3. Do you have a cabin or camp in the area? If so, where is it?

No Cabin IN THAT AREA NOT FROM TULITA People
Old Day People build TRAVEL by Teepee.

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?

No TRADITIONAL Boundaries back then.
TODAY we have Boundary claim etc.
Homeland were consider by where one borned.

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?

Lake, Side - good for Camp, Fishing
Lowland. are good for Hunting + TRAPPING.
MOUNTAIN TOP ARE good for Sheep-Hunting.

MOUNTAIN TOP
ALSO HAS Vegetation good
for Sheep Habitat.
BORN - Small Grass

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?

Yes MOUNTAIN STREAM usually ARE cold. There is Permafrost.
CONTRAST MOUNTAIN (MOUNTAIN) DOME usually used cold
MOUNTAIN STREAM FOR Freezer.

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?

Vegetation in lowland grass, Willow, Lake Plant All the Area Vegetation will serve as food for wildlife - Caribou Moss, Lichen,

Berry - Small game.

- Pussy Willow Bud & Root Boiled. Drink Juice, good for Breathing.

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where?

Caribou, Sheep, Moose, Wolverine, Weasels, Coyote, Goat.

Ground squirrel, Duck, Ground Squirrel, Beaver,

Beaver,

Whole Area

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

River: Stream contain fish. Grayling, usually caught by Hook.

10. Do you know when and where fish spawn? What Species?

end of May Fish Run up stream,

Lakes ~~in~~ Nov. White Fish Run.

11. What rivers/streams are used for travel?

Nahanni River were used for Moose skin Boat contain Virginia Fall.

12. When does the water typically freeze?

Normally Nov. River freeze

But there no snow now.

13. Are there any springs in the area?

Nahanni Not Spring AREA ~~Not Spring~~.

Close to Border.

14. Are there traditional trails and access routes in the area? If so, where?

TRADITIONAL TRAIL used by ANCESTOR UNKNOWN

EXACT LOCATION.

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

Very low activity from Tullia Resident.

comes from Fort Simpson where people catch some
TODAY

16. Are there any burial or significant historical sites in the area? If so, where?

Burial SITE ARE UNKNOWN TO TULLIA RESIDENT
HISTORIC SITE PERHAPS GOAT PEOPLE CAMP SITE

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

NOT SURE.

18. Traditional Names:

- Do you know the traditional names of features in the area
- How did the feature get the name
- Are there stories attached to the names

NOT IN THE AREA.

19. Have there ever been earthquakes or landslides in this area? When?

NO EARTHQUAKE

20. Are there other sources of information for the area? If so, please list.

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCTOBER 15 2006

Interviewer: LEON ANDREW
Print name

[Signature]
Signature

Interviewee: GABRIEL HORASSI
Print name

GABE AJ
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

Our history contains Mackenzie Mountain Dene have used the traditional territory by dog team, walking hunting trapping. adjacent to Keele River into Yukon some cases through upper Nahanni River.

2. How long have you/they been using the area? How long has your family used the area?

Our ancestor like Yatsule Andrew have used the border area for hunting & trapping.

3. Do you have a cabin or camp in the area? If so, where is it?

Not sure of cabin in area who have cabin I have been through the area by plane. with Biology.

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?

No traditional boundary.
Here land were consider home is one born.

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?

Lake. ARE good for fishing.
lowland - is good for hunting & trapping
Mountain - is good water, caribou, sheep.
ICE patch - has sulphur caribou like to rest on it.

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?

Yes the ~~the~~ whole area is permafrost
~~the~~ by

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?

Yes ALL vegetation are very important to our wildlife. GRASS, Willow, water lily pads, etc.

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where?

CARIBOU, Moose, Sheep, Woodchuck, Wolf - Coyote, Fish, Marten, Mink, OTTER, Muskrat, Ground Squirrel, Lynx, Ptarmigan, Spruce Grouse, Sharp-shinned Grouse, Chipmunk

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

Nahanni River, Jolly Washers, Grayson

10. Do you know when and where fish spawn? What Species?

Codling, Suckers, WIP STREAM, Run in June - Run Trout, Lake Whitefish Run in November on lake) SPAWN in Shallow Waters

11. What rivers/streams are used for travel?

Nahanni River, was once travel by Central Mackenzie Mountain Pass in the old days. One time only, Watch Virginia Falls. Portage.

12. When does the water typically freeze?

OCT mid - Small Creek freezes. I NOT sure ~~that~~ about today it different.

13. Are there any springs in the area?

NOT sure about Nahanni River

14. Are there traditional trails and access routes in the area? If so, where?

NOT sure about Nahanni only along CANAL ROAD originally Central Mackenzie Mountain TRADITIONAL TRAIL in Yukon - Ross River, MAYO

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

Facilities there have NOT used Nahanani RIVER AREA
Now! Today - Hunting, or TRAPPING
Perhaps Big game Hunting, CANOE OUTLETTER. LAND SURVEY

16. Are there any burial or significant historical sites in the area? If so, where?

No NOT SURE ABOUT NAHANANI RIVER OR THAT AREA
in question

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

No. NOT SURE

18. Traditional Names:

- Do you know the traditional names of features in the area
- How did the feature get the name
- Are there stories attached to the names

NOT SURE

19. Have there ever been earthquakes or landslides in this area? When?

Yes had experienced land slinks in EARLY 1960'S
NOT landslides

20. Are there other sources of information for the area? If so, please list.

R.R.C., Museum UK, Nahanani SAHTU ATLAS.

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCT 15 2006

Interviewer: LEON ANDRIAN
Print name

[Signature]
Signature

Interviewee: Robert HORASSI
Print name

[Signature]
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

the old days our ANCESTOR have hunted
& TRAP upper NAHANNI RIVER.

2. How long have you/they been using the area? How long has your family used the area?

OUR ANCESTOR have TRAVEL THROUGH OUT the Central
MacKenzie Mountain Range
SOME or MOST Valley have tree stump that have
been cut DOWN.

3. Do you have a cabin or camp in the area? If so, where is it?

NOT NOW NOT AROUND upper NAHANNI there hardly
any TULITA People with Cabin IN that AREA.

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?

No Traditional Boundaries. Central MacKenzie
Mountain Range Home Land ARE Consider
by Where one is Born.
only now after the Settlement of Land CLAIM we have Boundary.

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?

near Lake, Fish, water,
lowland Caribou, Moose, Trapping ~~Boundaries~~
Mountain Top Sharp ground squirrel Mammals,
ICE Patch - Caribou - Whole AREA

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?

Yes The Whole AREA has PERMAFROST.
Mountain Stream ICE Cold,

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?

in lake bottom - ^{Plant} Moose Habitat. other important Vegetation
Grass, small willow, Caribou Moss - Lichen
Berry, Small Game
Blue berry brush was used for Tea. (Whole Area)

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where?

Moose, Caribou, Grouse, Marten, Mink, Otter, Lynx, Wolverine,
Wolf, Weasel, ^{fox} Squirrel,
Fishing River Trout, Grayling, Cisco, Trout, G. Oat

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

Nahanni River, Dolly Varden. Caught by hook
Grayling caught

10. Do you know when and where fish spawn? What Species?

River Time Grayling River Creek - Spawns on Shallow Water
Lake White Fish Trout River. Spawns on Shallow Water

11. What rivers/streams are used for travel?

Nahanni River. Our Ancestors have traveled
once down the River with Moose skin Boat.

12. When does the water typically freeze?

Nov. Usually freeze

13. Are there any springs in the area?

Not sure
heard of hot spring in Nahanni River
But not aware of location

14. Are there traditional trails and access routes in the area? If so, where?

Not sure but our Ancestors have travel
through out the whole Central Region of Mackenzie
Basin.

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

Not today TULITA People Don't Hunt or Trap
in that AREA.
Tour Group out of Simpson or Liard,

16. Are there any burial or significant historical sites in the area? If so, where?

Not sure of Burial site or Historic site.

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

Not sure of about that Area.

18. Traditional Names:

- a. Do you know the traditional names of features in the area
- b. How did the feature get the name
- c. Are there stories attached to the names

No

19. Have there ever been earthquakes or landslides in this area? When?

Not sure

20. Are there other sources of information for the area? If so, please list.

Rec. Tulita, YK Museum

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: October 16 2006

Interviewer: Leon Andrew
Print name

Leon Andrew
Signature

Interviewee: William Horassi
Print name

William Horassi
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

ShuhTah geline- CENTRAL MACKENZIE MOUNTAIN
Dene,
The whole AREA.

2. How long have you/they been using the area? How long has your family used the area?

our Ancestors have used the CENTRAL
Mackenzie Mtn to Hunt & TRAP for GENERATION
to Generation

3. Do you have a cabin or camp in the area? If so, where is it?

No cabin AT THIS TIME only our ANCESTORS
TRAVEL & Hunt & Trapping.
Today there NO cabins in that AREA.

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?

No Traditional boundaries.
TODAY with land claims we have STRICT
Regions

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?

Near lakes, good water, Fishing, (Whole AREA)
Lowland, Hunting, Trapping,
MOUNTAIN- Sheep, Goats, Caribou.
ICE Patch- Caribou,

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?

Yes the whole AREA is frozen-

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?

lichen - Caribou, Willow, moose, Rabbit, Grass, Sheep,
Berry - Grizzly, Grouse, Small Birds, wolverine,
Plants - Grizzly, Moose, Caribou, Sheep, GOATS, - whole AREA

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where?

Moose, Caribou, Wolf, Sheep, Grouse, Ground squirrel
Grizzly, wolverine, mink, OTTER, Wolverine,
Fish, fox, Beaver, (Whole AREA)

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

Nahanni River, Dolly Marden, Grizzly,
are found on
White Rush lakes.

10. Do you know when and where fish spawn? What Species?

May June - Grizzly into upstream creek. Spring time
spawn on shallow water,
White fish on Lake Run in Sept, Fall time

11. What rivers/streams are used for travel?

Nahanni River can be travel by boat,
our ancestors have travel down river once
with moose skin boat, BUT watch - VIRGINIA FALLS

12. When does the water typically freeze?

November everything freeze.

13. Are there any springs in the area?

Yes heard about hot spring along the
Nahanni
BUT LOCATION UNKNOWN.

14. Are there traditional trails and access routes in the area? If so, where?

NO, TRADITIONAL TRAIL LOCATION UNKNOWN. THE CENTRAC
MACKENZIE HAVE TRAVEL CROSS COUNTRY INTO THE AREA
TRAIL ARE UNKNOWN.

Access by PLANE

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

No we have NOT fish or hunt in the Area
Today.

only canoe tour out of Deh-cho

16. Are there any burial or significant historical sites in the area? If so, where?

Not Sure

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

NOT Sure

18. Traditional Names:

- Do you know the traditional names of features in the area
- How did the feature get the name
- Are there stories attached to the names

Only Name we knew of Area Boat People
Eh'Base

19. Have there ever been earthquakes or landslides in this area? When?

No

20. Are there other sources of information for the area? If so, please list.

RRE Tutoria office - Yellowknife Museum

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCT 14 2006

Interviewer: Lora Andrew
Print name

[Signature]
Signature

Interviewee: Maurice Mendes
Print name

[Signature]
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

Only in the past history Central Mackenzie Mountain
Done use to walk across to Yukon into Mayo
Poss River - Upper Nahanni River. Very seldom today only by
plane

2. How long have you/they been using the area? How long has your family used the area?

For generations from generation - going from Tulit'a
to Mayo, Poss River, Yukon
Trail adjacent Keele River, Hess River, Upper Nahanni
Mountain done have travel.

3. Do you have a cabin or camp in the area? If so, where is it?

No only in Nahanni the (Goat People) have had
Traditional Home Land in that area.
Tulit'a might have them move out. Tulit'a Resident Hatching
Bruard

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?

No books in the old day people were attach to
where they born they consider (Home Land)
E.g. different tribe or nation they fight over (Territorie)

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?

lowland, good for hunting, trapping - furs, food
Mtn. winter too much snow. summer - is good. certain areas - goat
sheep
lake, stream, river, area very important, with water nothing else
vide

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?

Yes permafrost all over area
but the Keele Peak Glacier seem to break
off.

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?

Yes Very Important - (Grass, ^{Leafy} Root, lichens) Food Wildlife
Berry Food Small Bird's Bears.
Some People Use Plants For Medicine

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where? - Whole AREA

~~Modern grass areas old sand ledges~~ Porcupine, Wolf, Wolverine,
Caribou, Moose, Sheep, Bears, Grizzly, Beavers, Marten, Mink, Otter
Muskrat, Ground Squirrel, Ptarmigan, Chipmunk, Mice,

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

Yes Nahanni River has Dolly Varden, Grayling
Caught by Hook,

10. Do you know when and where fish spawn? What Species?

early June Fish Run, and spawn shallow water,
fall time November - on lake White Fish

11. What rivers/streams are used for travel?

WINTER. Some River are NOT safe thin ice. Follow ice,
AST WATER AREA ETC.
Summer is good. (But Virginia Falls)

12. When does the water typically freeze?

usually NOV.

13. Are there any springs in the area?

Yes Nahanni Hot Spring
Please Plot on Map or LD. Not Springy.

14. Are there traditional trails and access routes in the area? If so, where?

NOT Sure in This Area.
only Keele River and onto The Yukon From
Tulit'a

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

in the old day Central Mackenzie river area
have visit goat people etc.
But today not much people out there. Some summer paddles.

16. Are there any burial or significant historical sites in the area? If so, where?

Burial site NOT sure?
The historic site - only the goat people camp site
would be a historic site?

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

Fire reading ceremonial are held individually,
No site, NOT AWARE of in Nahanni

18. Traditional Names: - Nahanni River - was called Tah, Tsi, deh,

- Do you know the traditional names of features in the area
- How did the feature get the name -
- Are there stories attached to the names -

Nahanni River Central Mackenzie Invention Done
are called is. (Tah, Tsi-deh.)

19. Have there ever been earthquakes or landslides in this area? When?

NOT earth quakes. Many landslides.
New Year in 70's we had chaking off ground.

20. Are there other sources of information for the area? If so, please list.

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCT. 14. 2006

Interviewer: JONAS ANDREW
Print name

[Signature]
Signature
DAVIDYALHEE
[Signature]
Signature

Interviewee: David Yalhe
Print name

QUESTIONS

1. Who uses the area around the proposed sites?

Central Kluakanzee Mountain Dene
Migrate INTO: Yukon Tullin - Mac. Pass - Herby Ridge
Miyu (Crossing Head Water Nahanni RIVER) - Beaver Hunting

2. How long have you/they been using the area? How long has your family used the area?

Hutchinelle, Samuel - (Abah. Tahatine) IREK killed
around Ahlanni's South Nahanni
They MOVED OUT AREA. LATE 1800. To TULLIN AREA.

3. Do you have a cabin or camp in the area? If so, where is it?

NO NOT AROUND Head Water of Nahanni
AT THE TIME.

4. Are there traditional boundaries and do certain families use portions of the area? If so where and who?

NO People who BORN in AREA, They called
these land their AREA.
NO Boundry.

5. What kind of land is used the (e.g. areas near lakes, lowlands or mountains areas)?

Yes all of these apply to Hunter.
Lake were used for fishing & Camp.
lowland used for trapping & hunting
* MOUNTAIN = SHEEP, GOAT, CARIBOU. ? CARIBOU were hunted by

6. Is there permafrost in the area? If so, where and do you know what it is like in the area?

Yes there PERMAFROST.
Lots of SNOW in May June Head WATER Flat AREA
SNOW will melt in July.

50
SPENS on ice patch with
THROW STONE.

7. What are the vegetation uses in the area (e.g. food, medicines, habitat (wildlife), etc.)? What plants are used and when are they harvested? Are there plants used for herbal remedies that are important?

Plant Vegetation, (Grass) hay Very important to Health of Wildlife.

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where?

When Trapping in lowland. All kind of animals to trap
Wolverine, Marten, Mink, Otter
Moose, Caribou, Sheep, Rabbit, grouse, Ptarmigan, Marmot.

9. What lakes and rivers are used for fishing? How are they caught (hook, net or other)?

Yes Head water Nahanni fish habitat all species
large River system will carry fish

10. Do you know when and where fish spawn? What Species?

2 time a summer
June - all fish migrate into head water of stream
September or Fall time White fish in lake Run also.

11. What rivers/streams are used for travel?

Nahanni River can be travel but has water fall
our Grand Father. Native went down Nahanni River
once. before they had to portage fall.

Central Mackenzie Mountain Range

12. When does the water typically freeze?

October end most mountain area freezes
But today I notice there is no snow.
Usually we get 8 inches of snow this of year.

13. Are there any springs in the area?

Yes the Hot spring somewhere down the
River on Nahanni

14. Are there traditional trails and access routes in the area? If so, where?

Not sure
Central Mountain Range TRAIL ARE ALL Connected
From Tulita to Mac Pass on to Ross River 1940

Called it by name Nahanni River

15. What kind of land uses are practiced in the area (e.g. hunting, fishing, trapping, tourism, etc.)?
Please locate on the map provided.

we don't go hunting into Howard Pass
Area that much to far from trail.
NOT SURE who operated tourism in that area.

16. Are there any burial or significant historical sites in the area? If so, where?

Yes only in upper Keale River Area.
NOT SURE about Howard Pass Area.

17. Are there any important traditional, spiritual or ceremonial sites in the area? If so, where?

Yes Ceremonial site are practice in Head Water
Keale
NOT SURE ABOUT NAHANNI

18. Traditional Names:- NAHANNI- Traditional Name was - NACHA'

- Do you know the traditional names of features in the area
- How did the feature get the name - NOT SURE
- Are there stories attached to the names - NOT

Hahanni was called ~~NA~~ NACHA' River
by Central Mackenzie Mountain Dene

19. Have there ever been earthquakes or landslides in this area? When?

No I have not seen any earthquakes.
Not
I have experience earth shake. That it.

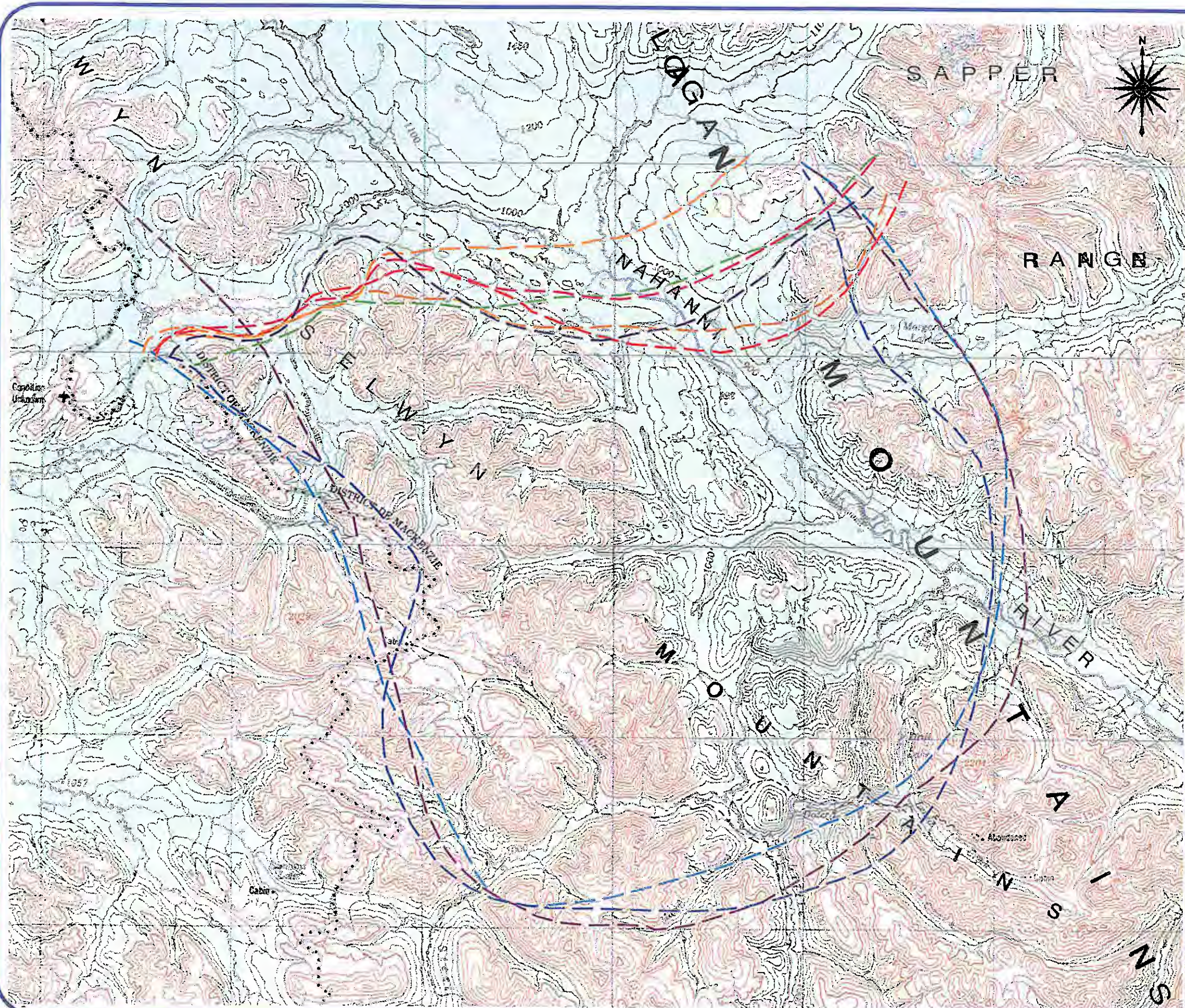
20. Are there other sources of information for the area? If so, please list.

**TULIT'A DISTRICT
SAHTU REGION**

**TRADITIONAL ECOLOGICAL KNOWLEDGE SURVEY
SELWYN PROJECT
HOWARD'S PASS in SAHTU TRADITIONAL LANDS**

AUTUMN 2006





TULIT'A DISTRICT SAHTU REGION

MAP SHOWING TRADITIONAL ECOLOGICAL KNOWLEDGE SURVEY SELWYN PROJECT HOWARD'S PASS

LEGEND - WHO USES THE AREA

- INTERVIEWEE-1
- INTERVIEWEE-2
- INTERVIEWEE-3
- INTERVIEWEE-4
- INTERVIEWEE-5
- INTERVIEWEE-6
- INTERVIEWEE-7
- INTERVIEWEE-8
- INTERVIEWEE-9

REFERENCE INTERVIEW DATABASE for DETAILS SUBSISTENCE RESOURCES & ACTIVITIES

- VEGETATION (Question 7)
- WILDLIFE SPECIES (Question 8)
- FISH (Question 9)
- SPAWN FISH (Question 10)
- HUNTING/TRAPPING/FISHING (Question 15)

SOCIAL/CULTURAL LANDSCAPES

- WHO USES THE AREA (Question 1)
- AREA IN USE SINCE ... (Question 2)
- CABINS (Question 3)
- LANDFORMS (Question 5)
- RIVER TRAVEL (Question 11)
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PHYSICAL LANDSCAPE

- PERMAFROST (Question 6)
- RIVER FREEZE-UP (Question 12)
- NATURAL SPRINGS (Question 13)
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OTHER

- OTHER SOURCES of INFORMATION (Question 20)



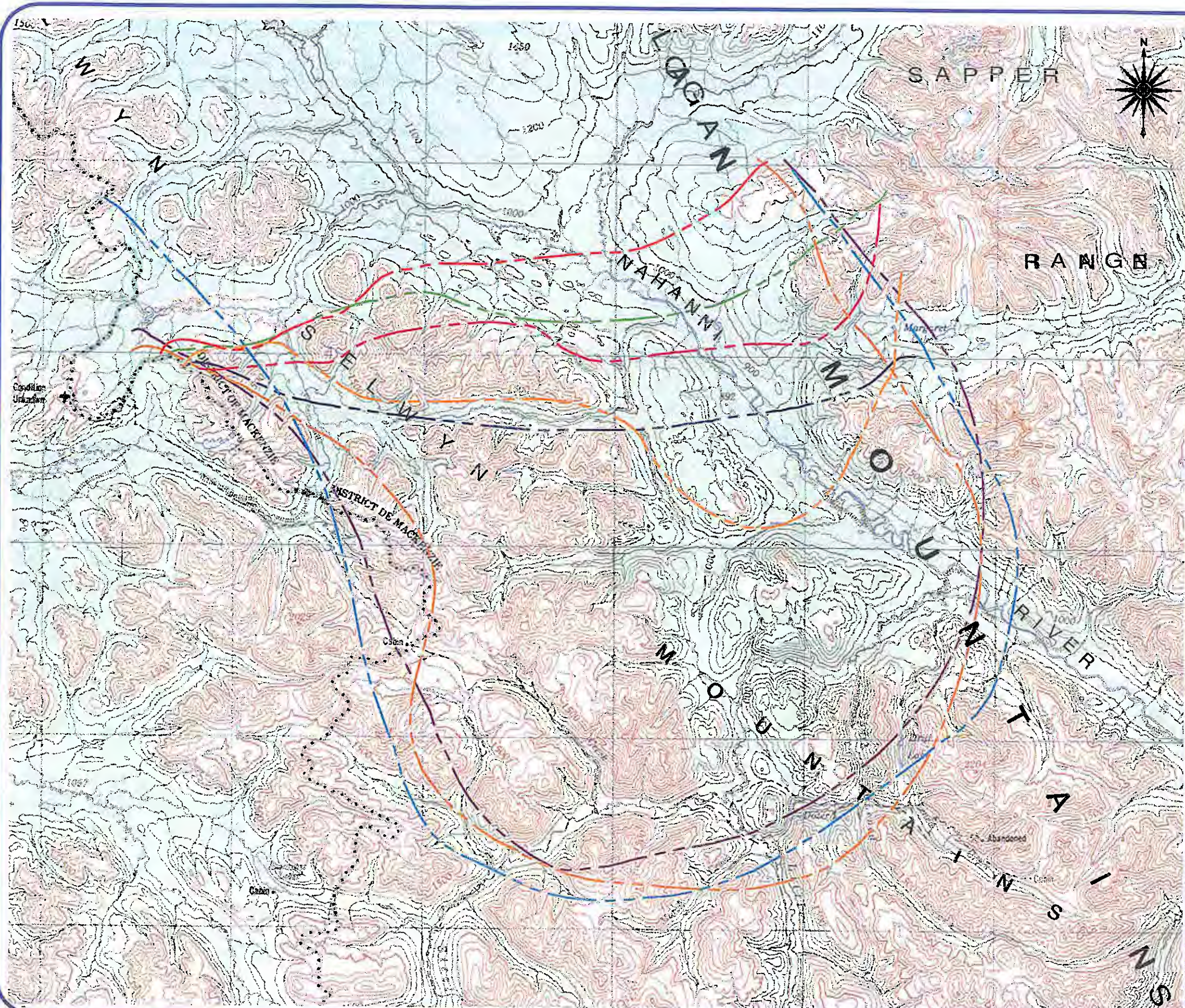
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MAP REFERENCES:
National Topographic Maps derived from 'E-Topo' Map Connection Ltd. 2001
Projection: Universal Transverse Mercator (UTM) - Zone 11
Datum: North American Datum 1983 (NAD83)
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REVISION TABLE			
No.	DESCRIPTION	DATE	BY
1	Preliminary Map	November 21, 2008	MAB

PREPARED BY:

CHALLENGER EDMONTON (780)424-3511 DATE: November 21, 2008 DRAWN: MAB
CALGARY (403)253-8101 PROJ: 22442_TER_MAP
WHITEHORSE (867)668-8940 LABEL: Howard's Pass



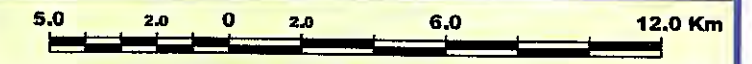
**TULIT'A DISTRICT
SAHTU REGION**

**MAP SHOWING
TRADITIONAL ECOLOGICAL KNOWLEDGE
SURVEY
SELWYN PROJECT
HOWARD'S PASS**

- LEGEND - AREA IN USE SINCE...**
- INTERVIEWEE-1
 - INTERVIEWEE-2
 - INTERVIEWEE-4
 - INTERVIEWEE-5
 - INTERVIEWEE-6
 - INTERVIEWEE-7
 - INTERVIEWEE-8

**REFERENCE INTERVIEW DATABASE for DETAR 8
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- VEGETATION (Question 7)
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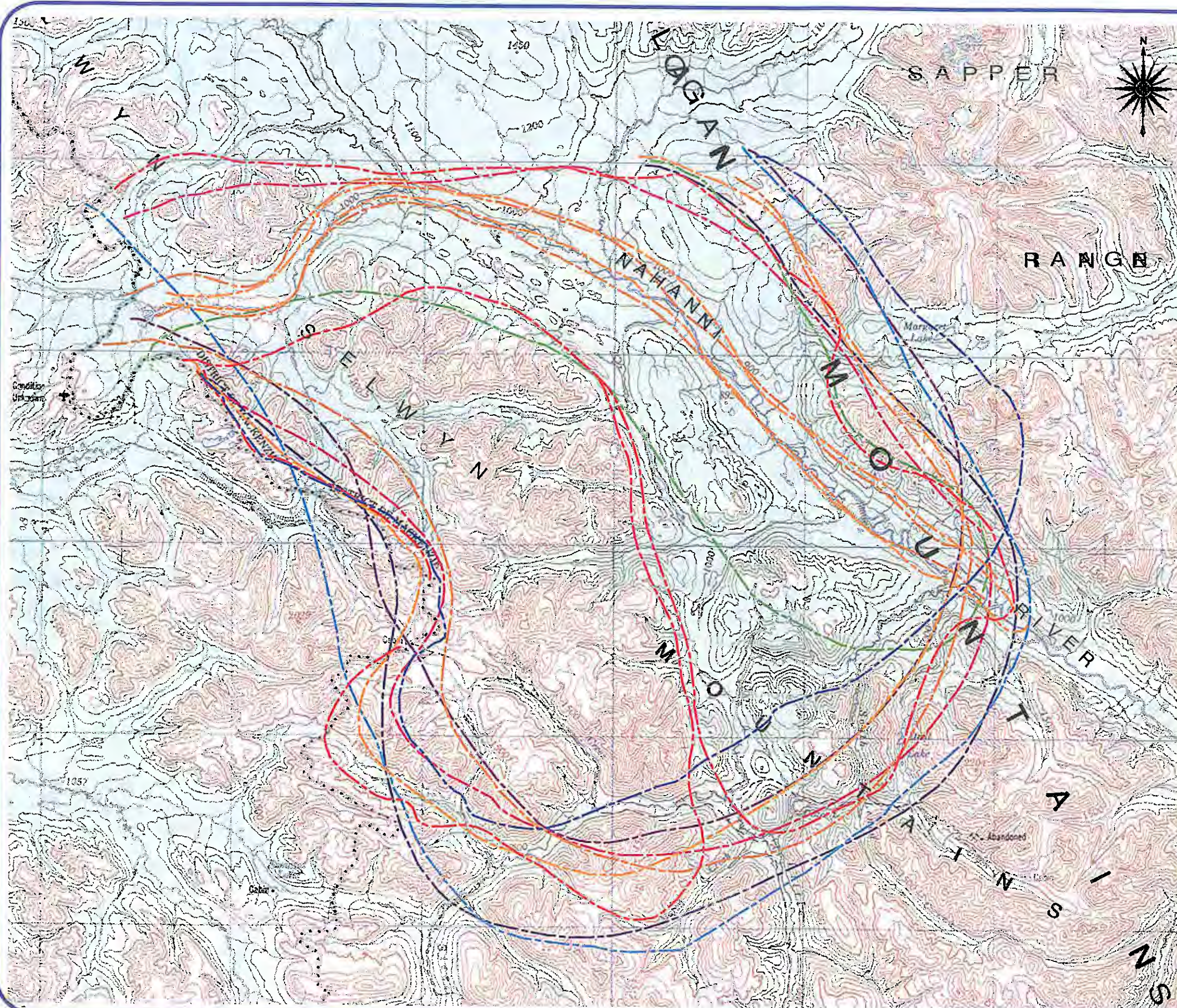
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REVISION TABLE		
No.	DESCRIPTION	DATE
1	Primary Map Sheet	November 17, 2008

PREPARED BY:

CHALLENGER EDMONTON (780)424-3511 DATE: November 17, 2008 DRAWN: MAB
 CALGARY (403)253-8101 LAYOUT: 22440_TK_MAP REVISION: 0
 WHITEHORSE (867)688-8940



**TULIT'A DISTRICT
SAHTU REGION**

**MAP SHOWING
TRADITIONAL ECOLOGICAL KNOWLEDGE
SURVEY
SELWYN PROJECT
HOWARD'S PASS**

LEGEND - LANDFORMS

- INTERVIEWEE-1
- INTERVIEWEE-2
- INTERVIEWEE-3
- INTERVIEWEE-4
- INTERVIEWEE-5
- INTERVIEWEE-6
- INTERVIEWEE-7
- INTERVIEWEE-8
- INTERVIEWEE-9

**REFERENCE INTERVIEW DATABASE for DETAILS
SUSTAINANCE RESOURCES & ACTIVITIES**

- VEGETATION (Question 7)
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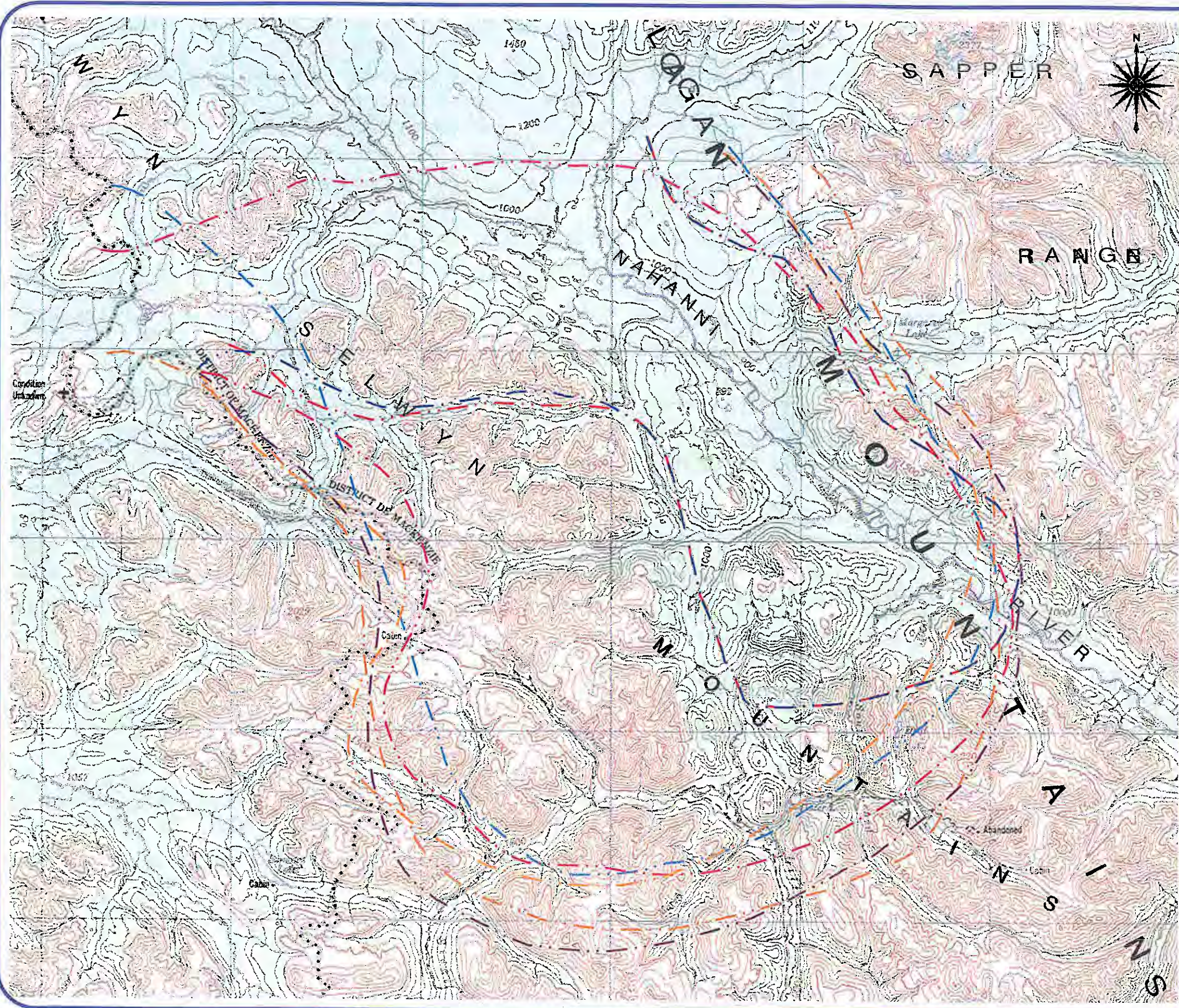
MAP REFERENCES:
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REVISION TABLE			
No.	DESCRIPTION	DATE	BY
1	Preliminary Map Issued	November 21, 2008	NAB

PREPARED BY:

	EDMONTON (780)424-3511	DATE: November 21, 2008	DRAWN: NAB
	CALGARY (403)253-8101	NO: 22442_TK_MAP	REVISION: 1
	WHITEHORSE (867)668-8840	LAUNCH: Howard's Pass	



**TULIT'A DISTRICT
SAHTU REGION**

**MAP SHOWING
TRADITIONAL ECOLOGICAL KNOWLEDGE
SURVEY
SELWYN PROJECT
HOWARD'S PASS**

LEGEND - PERMAFROST

- INTERVIEWEE-2
- INTERVIEWEE-3
- INTERVIEWEE-4
- INTERVIEWEE-6
- INTERVIEWEE-7
- INTERVIEWEE-8
- INTERVIEWEE-9

NOTE: CONSULT INTERVIEW DATABASE FOR DETAILS. EACH INTERVIEWEE DID NOT USE THE MAP TO ANSWER THIS QUESTION.

REFERENCE INTERVIEW DATABASE FOR DETAILS
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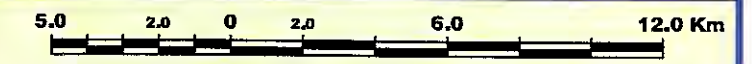
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SCALE 1 : 200 000

MAP REFERENCES:

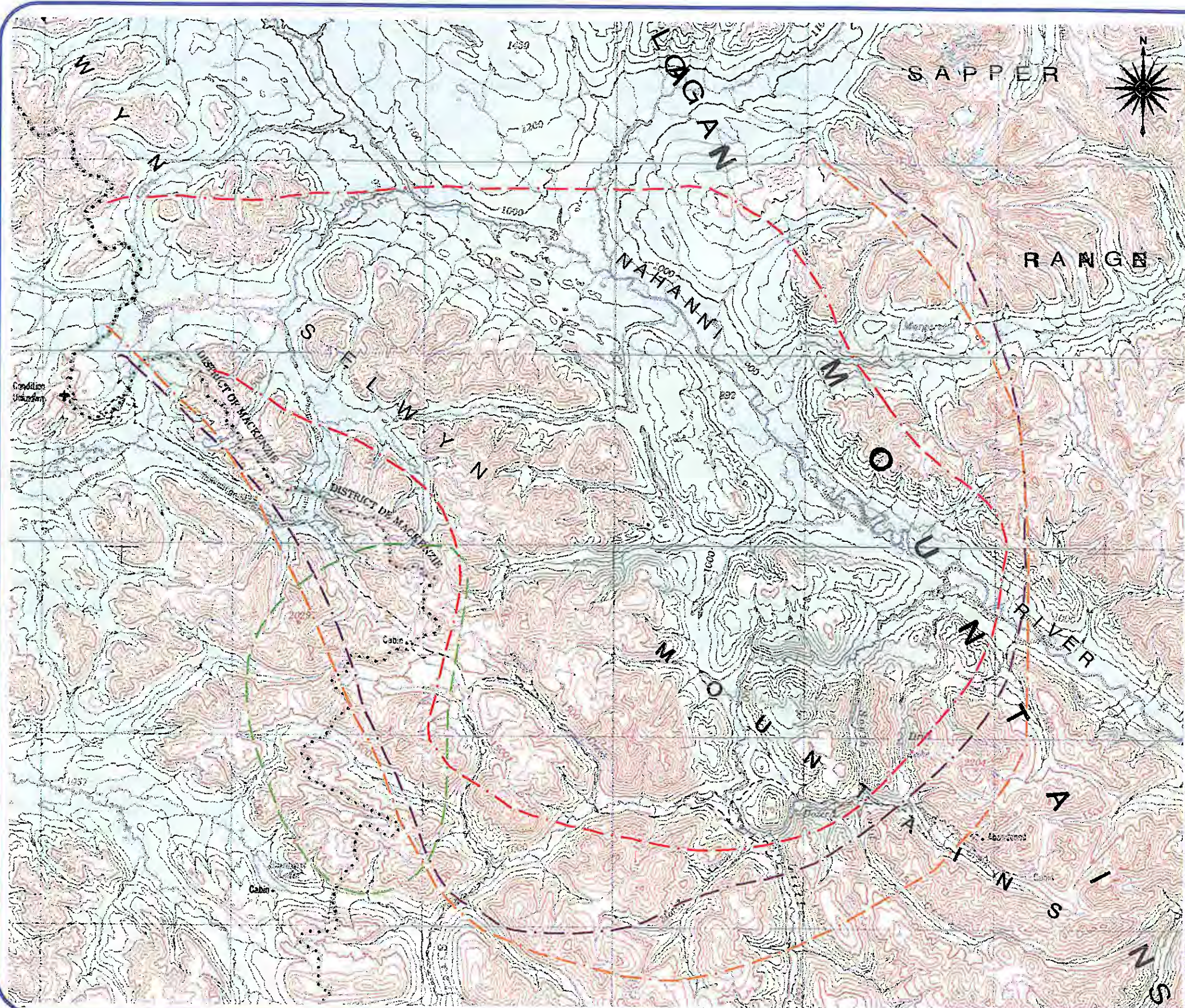
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Datum: North American Datum 1983 (NAD83)

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No.	DESCRIPTION	DATE	BY
0	Prepared by: [Name]	November 17, 2008	MAJ

PREPARED BY:

CHALLENGER Geomatics Ltd.
 EDMONTON (780)424-5511
 CALGARY (403)253-8101
 WHITEHORSE (867)688-8940
 DATE: November 17, 2008
 DRAWN: MAJ
 ACME: 22440_TFK_MAP
 LAYOUT: Howard's Pass
 REVISION: 0



TULIT'A DISTRICT SAHTU REGION

MAP SHOWING TRADITIONAL ECOLOGICAL KNOWLEDGE SURVEY SELWYN PROJECT HOWARD'S PASS

LEGEND - WILDLIFE SPECIES

- INTERVIEWEE-1 ---
- INTERVIEWEE-5 ---
- INTERVIEWEE-7 ---
- INTERVIEWEE-8 ---

NOTE: CONSULT INTERVIEW DATABASE FOR DETAILS. EACH INTERVIEWEE DID NOT USE THE MAP TO ANSWER THIS QUESTION.

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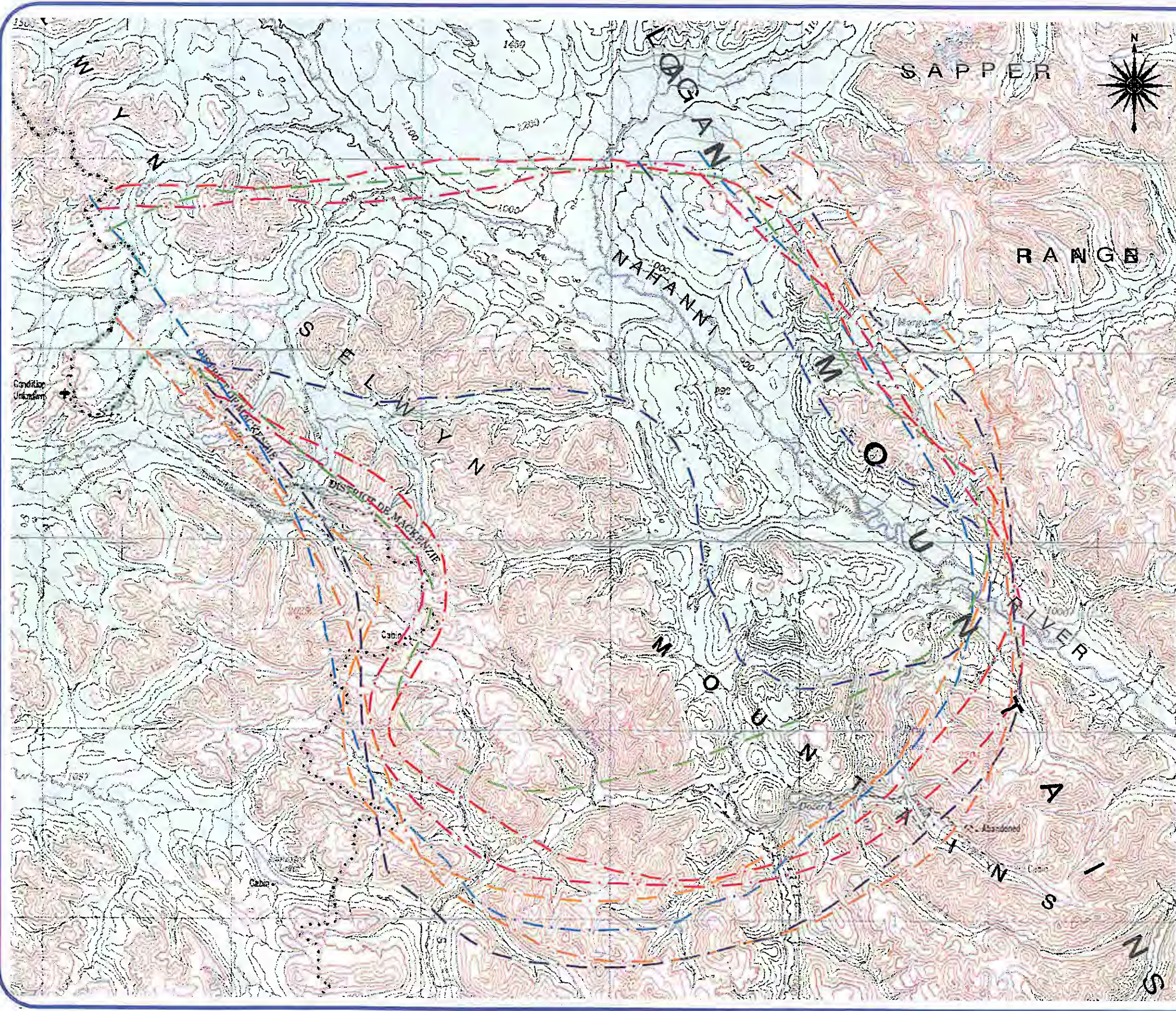
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REVISION TABLE			
No.	DESCRIPTION	DATE	BY
1	Prepared	November 21, 2008	MM

PREPARED BY:

CHALLENGER EDMONTON (780)424-3511 DATE: November 21, 2008
 CALGARY (403)253-8101 PROJECT: 22442_TK_MAP
 WHITEHORSE (867)668-8940 LAYOUT: Howard's Pass



TULIT'A DISTRICT SAHTU REGION

MAP SHOWING TRADITIONAL ECOLOGICAL KNOWLEDGE SURVEY SELWYN PROJECT HOWARD'S PASS

LEGEND - VEGETATION

- INTERVIEWEE-2
- INTERVIEWEE-3
- INTERVIEWEE-4
- INTERVIEWEE-5
- INTERVIEWEE-6
- INTERVIEWEE-7
- INTERVIEWEE-8
- INTERVIEWEE-9

NOTE: CONSULT INTERVIEW DATABASE FOR DETAILS. EACH INTERVIEWEE DID NOT USE THE MAP TO ANSWER THIS QUESTION.

REFERENCE INTERVIEW DATABASE FOR DETAILS SUSTAINANCE RESOURCES & ACTIVITIES

- VEGETATION (Question 7)
- WILDLIFE SPECIES (Question 8)
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SCALE 1 : 200 000

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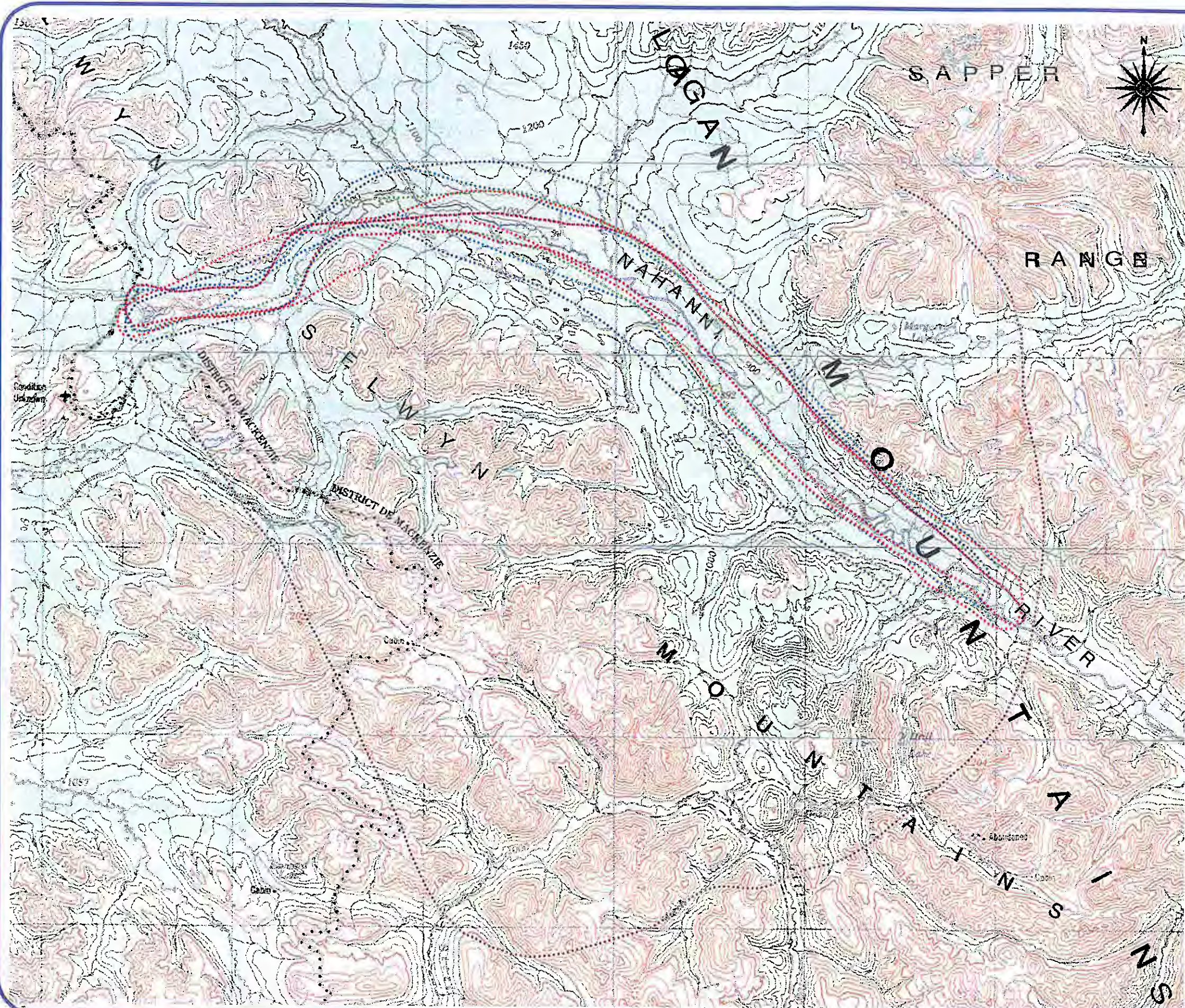
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REVISION TABLE

No.	DESCRIPTION	DATE	BY
0	Preliminary Map Issues	November 21, 2008	WAB

PREPARED BY:

	EDMONTON (780)424-5311	DATE: November 21, 2008	DRAWN: WAB
	CALGARY (403)253-8101	NO: 2240_TEC_MAP	REVISION: 0
	WHITEHORSE (867)688-8340	Location: Howard's Pass	



TULIT'A DISTRICT SAHTU REGION

MAP SHOWING TRADITIONAL ECOLOGICAL KNOWLEDGE SURVEY SELWYN PROJECT HOWARD'S PASS

LEGEND - FISH

- INTERVIEWEE-1
- INTERVIEWEE-3
- INTERVIEWEE-4
- INTERVIEWEE-5
- INTERVIEWEE-8
- INTERVIEWEE-9

NOTE: CONSULT INTERVIEW DATABASE FOR DETAILS. EACH INTERVIEWEE DID NOT USE THE MAP TO ANSWER THIS QUESTION.

REFERENCE INTERVIEW DATABASE FOR DETAILS SUBSISTENCE RESOURCES & ACTIVITIES

- VEGETATION (Question 7)
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SCALE 1 : 200 000

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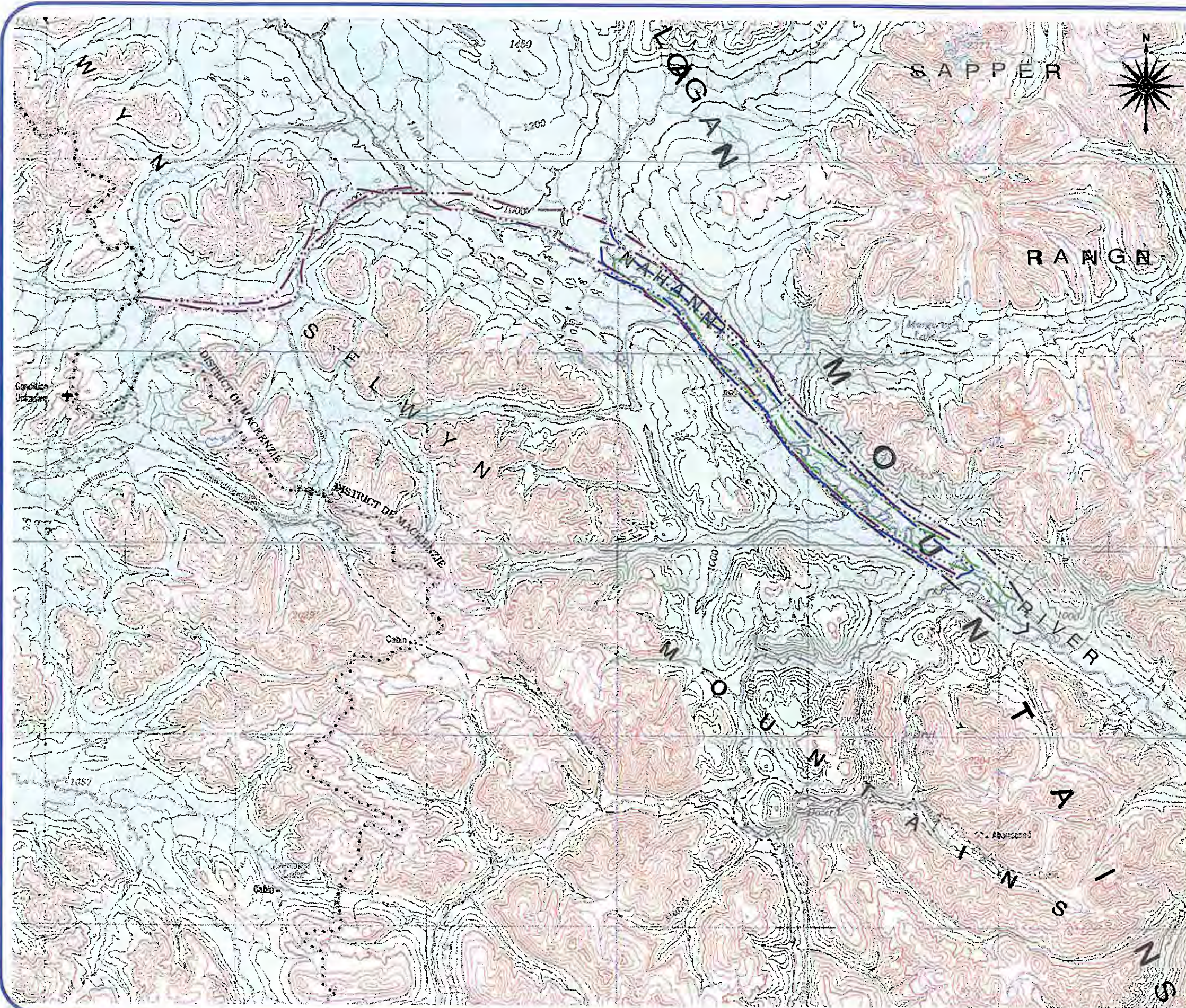
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REVISION TABLE

No.	DESCRIPTION	DATE	BY
1	Preliminary Map	November 21, 2006	MAB

PREPARED BY:

	EDMONTON (780)424-3511 CALGARY (403)253-8101 WHITEHORSE (867)688-8940	DATE: November 21, 2006 JOB: 20443_TK_LMAP LAYOUT: Howard's Pass	DRAWN: MAB REVISION: 1
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TULIT'A DISTRICT SAHTU REGION

MAP SHOWING TRADITIONAL ECOLOGICAL KNOWLEDGE SURVEY SELWYN PROJECT HOWARD'S PASS



LEGEND - RIVER TRAVEL

- INTERVIEWEE-1
- INTERVIEWEE-2
- INTERVIEWEE-5
- INTERVIEWEE-9

NOTE: CONSULT INTERVIEW DATABASE FOR DETAILS. EACH INTERVIEWEE DID NOT USE THE MAP TO ANSWER THIS QUESTION.

REFERENCE INTERVIEW DATABASE for: DETAILS SUBSISTENCE RESOURCES & ACTIVITIES

- VEGETATION (Question 7)
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SCALE 1 : 200 000

MAP REFERENCES:

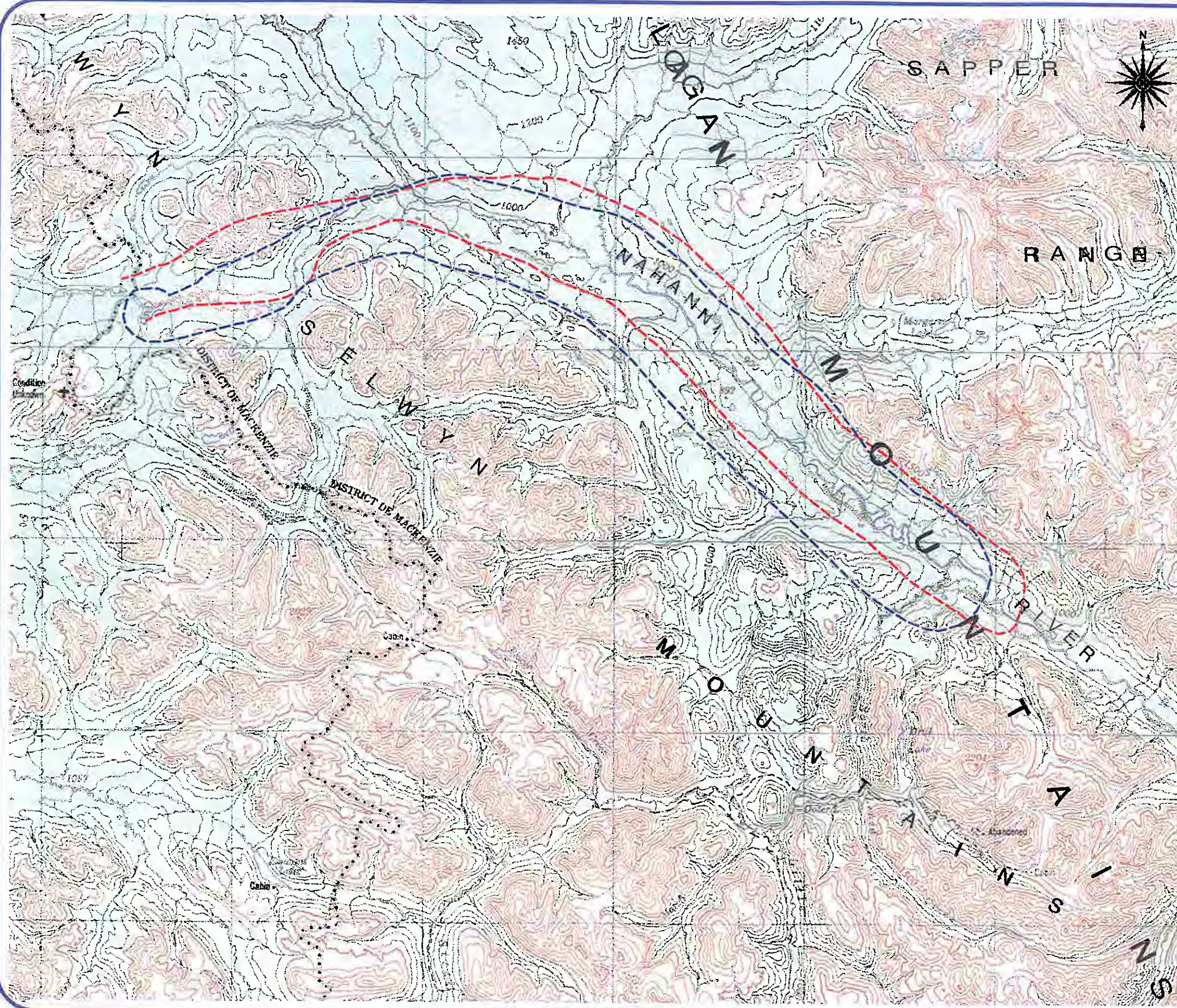
National Topographic Maps derived from: 'E-Topo' Map Connection Ltd. 2001
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REVISION TABLE			
NO.	DESCRIPTION	DATE	BY
1	Final Map	November 17, 2008	MAP

PREPARED BY:

	EDMONTON (780)424-5511	DATE: November 17, 2008	DRAWN: MAS
	CALGARY (403)253-8101	JOB#: 23440_TEK_MAP	REVISION: 1
	WHITEHORSE (867)868-6940	MAP#: Howard's Pass	REVISION: 0



**TULIT'A DISTRICT
SAHTU REGION**

**MAP SHOWING
TRADITIONAL ECOLOGICAL KNOWLEDGE
SURVEY
SELWYN PROJECT
HOWARD'S PASS**

LEGEND - SPAWN FISH

- INTERVIEWEE-8 - - - - -
- INTERVIEWEE-9 - - - - -

NOTE: CONSULT INTERVIEW DATABASE FOR DETAILS. EACH INTERVIEWEE DID NOT USE THE MAP TO ANSWER THIS QUESTION.

REFERENCE INTERVIEW DATABASE FOR DETAILS
SUBSISTENCE RESOURCES & ACTIVITIES

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MAP REFERENCES:

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Datum: North American Datum 1983 (NAD83)

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REVISION TABLE

No.	DESCRIPTION	DATE	BY
1	Preliminary Map	November 21, 2008	MAP

PREPARED BY:

	EDMONTON (780)424-5511 CALGARY (403)253-8101 WHITEHORSE (867)688-8940	DATE: November 21, 2008 NAME: 22440_TER_MAP USER: Howard's Pass	DRAWN BY: MAP CHECKED BY:
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