

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]
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

Shukrah gatiins. Central Muckenzie 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
Shukrah gatiins have or had Camp site in the
Whole Central Muckenzie 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,
Mountains Hunt, Sheep, Caribou
ICE PATCH - POTENTIAL "ARTIFACT"

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 SHIT lick Must be PROTECTED

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,
- Berry, good Grouse Ptarmigan.

All plants are good for medicines except some that are poisonous.

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

Caribou, Sheep, Moose, Ptarmigan, Murrelet
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 MTA 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 Ancestors have travel the great Valley
of each creek & River, today is unknown
where traditional trails 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 Tulieta No hunting or trapping, fishing
only, canoe tour Dene Doh-cho-
Pudella, The Great Nahanni

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

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.

Dene Nation YK.

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCT 15 2006

Interviewer: Leon Andrew
Print name

Lea
Signature

Interviewee: Norman Andrew
Print name

Norm Andrew
Signature

QUESTIONS

1. Who uses the area around the proposed sites?
OUR ANCESTOR HAVE USED THAT AREA UPPER
NAHANNI 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 WALK FROM TELITA TO RAY YUKON & YUKON (WHERE
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, GRASS SQUIRRELS, CARIBU. ON 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?

Cribans, Sheep, moose, Beaver, muskrat, Wolf,
Grouse, Hens, Goats,
Mountain Mink, OTTER

Both or all species are hunted & trap.

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 Grayling Run upstream spawn on shallow waters
Sept. White fish Run on lake, spawn on shallow water

11. What rivers/streams are used for travel?

Nahanni River our ancestor have make a Moose skin
and travel the river once, 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, are operated out of Simpson, hired
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.

CCC. office TULITUN. OR Yellawake Museum

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: October 16 2006

Interviewer: Lois Arnold
Print name

[Signature]
Signature

Interviewee: David Stchidelle
Print name

[Signature]
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

Central Mackenzie Mountain Area (Shuktagoine)
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
Shuktagoine 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 BOON 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 Squirrel

ICE Patch - Caribou hang out, WATERFALL 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 MTA

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 arher, mouse etc
Willow, Birch, also food big trees
Berries good for Bird, Grouse, PT Hermit
Wholes All

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

WASSE sheep GOAT BEAN Graying wolf Mutton,
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 water
FALL White Fish River Sept-Oct, spawn shallow water

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 with
small creeks freeze

13. Are there any springs in the area?

There hot spring says our ancestor 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 FISHES
ONLY COME TRAVEL TOWN OUT OF REH CHO
RICKLEBY THE NAHAWNI 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

RAH. GEH. DEH. (MINK RIVER) (SHUKTADGOTIME)
~~SETTLE 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. Hitchcock
Print name

John B. Hitchcock
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 Keche
River. Upper NAHANAI ROUTE.

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

our ANCESTORS have used hunted trapped etc. etc.
But now now generators 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 liked 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 Boundaries claim etc.
Home land 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.

MIN TOP
ALSO has vegetation good
for sheep Habitat.
BARKY - SPREAD 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.
CENTRAL MACKENZIE MOUNTAINS ARE 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. ↓
Whole Area

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

Caribou, sheep, moose, Labradorian, weasel, squirrel, goat, ground squirrel, duck, grouse, Ptarmigan, beaver.

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

River & stream contain fish. Crayfish, usually caught by hooks.

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

end of May fish run up stream, lakes ~~at~~ now. White fish run.

11. What rivers/streams are used for travel?

Nahanni River were used for moose skin boat. Courton Virginia fall.

12. When does the water typically freeze?

Normally now. River frozen. BUT there no snow now.

13. Are there any springs in the area?

Nahanni Hot Spring AREA - ~~not stable~~.
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 TULITIA Resident.
comes from Fort Simpson have paddle each summer
TOUR,

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

Burial SITE ARE UNKNOWN TO TULITIA 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:

- 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

NOT IN THIS 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 [Signature]
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

AND HISTORY CENTRE MACKENZIE MOUNTAIN DENE HAVE
USED THE TRADITIONAL TERRITORY BY DOG TEAM, WALKING
HUNTING TRAPPING. ADJACENT TO KEOLA RIVER INTO YUKON
SOME CASES THROUGH UPPER NATHANI 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.
HOME 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 CARBOHY, SHEEP.
ICE PATCH - HAS SULPHUR CARBOHY LIKE IT 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, larkspur, lily Pad, ETC.

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

CARIBOU, MOOSE, Sheep, Wolverine, Wolf, Goats, Fish, Marten, Mink, Otter, Muskrat, Ground Squirrel, Lynx, Ptarmigan, Spruce Grouse, Sharp Tail Grouse, Chipmunk

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

Nahanni River, Wally Vardeen, Grayton,

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

Grayton, Suckers, up 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 Range in the old day. 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 CANOE 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.

Tuliza here have NOT used NAHANNI RIVER AREA

Now Today - Hunting or Trapping

Perhaps Big game Hunting, CONVE OUTBITTER, LIARD: SUGAR

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

No NOT SURE ABOUT NAHANNI 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 shake IN EARLY 1960'S

NOT landslides

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

R.R.C., Museum YK, NORTHERN SAHTU ATLAS.

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCT 15 2006

Interviewer: Leon Andrew
Print name

Leon Andrew
Signature

Interviewee: Robert Horvath
Print name

Robert Horvath
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 Zone
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 Tulituk 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 Zone 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 ~~Beaver~~
Mountain Top Sheep, Ground squirrel, Marmot,
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, Gizzly, Marten, Mink, Otter, Lynx, Wolverine,
Wolverine, Weasel, Squirrel,
Fishing River Trout, Grayling, Cisco, Troutfish, GADGET

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?

Rever Time Grayling Run in creek - spawn on shallow water
Lake Whitefish Trout Run. Spent - spawn on shallow water

11. What rivers/streams are used for travel?

Nahanni River our ancestors have travel
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 off 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
range.

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 Lindy

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:

- 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

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, UK 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?

Shuh Tah going - CENTRAL MACKENZIE MOUNTAIN
Dene,
The The whole AREA.

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

our ANCESTOR 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 ANCESTOR
TRAVEL & Hunt by TRAPPING.
Today there NO 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.
TODAY with land claim we have RESTRICT
Region

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 Bird, marten,
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, Goats, Ground Squirrel
Grizzly, marten, 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 Varden, Grizzly,
Whitefish, ^{are abundant} lakes.

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

May June - Grayling 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 ancestor 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 Central
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 know of Area boat people
Sh'Bar

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.

RKE Tutition office - Yellowknife Museum

PACIFICA RESOURCES

TRADITIONAL ECOLOGICAL KNOWLEDGE STUDY

Date: OCT 14 2006

Interviewer: Leon Andrew
Print name

[Signature]
Signature

Interviewee: Mauricio Mendes
Print name

[Signature]
Signature

QUESTIONS

1. Who uses the area around the proposed sites?

Only in the past history. Central Mackenzie. Mainha
Dene use to walk across to Yukon into Mayo
Pass 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 Generation from Generation. going from Tulitā
to Mayo, Pass River, Yukon

Trail adjacent Keele River. Hess River. Upper Nahanni
Mainha Dene have travel

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

No only in Nahanni the (Gent People) have had
Traditional Home Land in that AREA.

tribal fight have them move out. Tulitā resident Hitchinik
Brawner

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

No back in the old day people were attach to
where they born they consider (Home Land)

S.G. different tribe or nation they fight over (Territorial)

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

lowland, good for hunting, trapping. fish, food

MTN. Winter too much snow. Summer is good. Caribou, caribou - goat
sheep
lake, stream, river, are very important with water nothing survive

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 Chacar seem to breaking
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^{Leaf}, Roots, lichens) Food Wildlife
Belly Food Small Bird's Boats.
Some People uses Plants for Medicine.

8. What kinds of wildlife are in the area? Are they hunted or trapped? If so where? - Whole AREA
~~WATER~~ ~~grass~~ ~~area~~ ~~old~~ ~~camped~~ ~~lodges~~ Porcupine, Wolf, Wolverine,
Caribou, Moose, Sheep, Bears, Grizzly, Beaver, 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 Hooks

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. Hollow 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 ID. Not Spring.

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 FEELING CEREMONIAL ARE DONE INDIVIDUALLY

NO SITE, NOT AWARE OF IN NAHANNI

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

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 -

NAHANNI RIVER CENTRAL MACKENZIE MOUNTAIN AREA
WAS CALLED TĪ. (TAH, TSI-DEH.)

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

NOT EARTHQUAKE. MANY LANDSLIDES.

Few Years IN 70'S WE HAD SHAKING 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: LEON ANDREW
Print name

[Signature]
Signature DAVIDYALLEE

Interviewee: David Yallee
Print name

Signature

QUESTIONS

1. Who uses the area around the proposed sites?

Central Mackenzie Mountain Dene
Migrate into Yukon Tulum - Muc. Pass - Head River
Mtyn. (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?

Hettinelle, Beaver - (ABBA, TABOTINE) THESE killed
greased. Abanni's South Nahanni
They moved out area. Late 1800. To Tulum 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 this 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 boundary.

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 STONE OR ICE PATCH WITH
THROW SPEAR.

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

Yes there PERMIFROST
lots of snow in May June head water flat AREA
snow will melt in July.

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, (grasses) herb) 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 when 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 ~~water~~ I notice there is snow.
usually we get 8 inches of snow this of year.

13. Are there any springs in the area?

Yes the hot spring some where 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 3/4 way

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. too far from Tumb.
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 Keele 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
Keele
NOT SURE ABOUT NAHANNI.

18. Traditional Names: - Nahanni. Traditional Names was - Na'cha'

- 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'cha'~~ Na'cha' River,
by Central Mackenzie Mountain zone

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

No I have NOT seen any earthquakes.
Yet
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)

HERITAGE SITES

- TRADITIONAL BOUNDARIES (Question 4)
- TRADITIONAL TRAILS (Question 14)
- BURIAL/HISTORICAL (Question 16)
- CEREMONIAL/TRADITIONAL/SPIRITUAL (Question 17)
- TRADITIONAL NAMES of PHYSICAL FEATURES (Question 18)

PHYSICAL LANDSCAPE

- PERMAFROST (Question 6)
- RIVER FREEZE-UP (Question 12)
- NATURAL SPRINGS (Question 13)
- EARTHQUAKES/LANDSLIDES (Question 19)

OTHER

- OTHER SOURCES of INFORMATION (Question 20)



SCALE 1 : 200 000

MAP REFERENCES:

Nature Topographic Maps derived from ETopo Map Connection Ltd 2001
 Projection Universal Transverse Mercator (UTM) - Zone 11
 Datum North American Datum 1983 (NAD83)

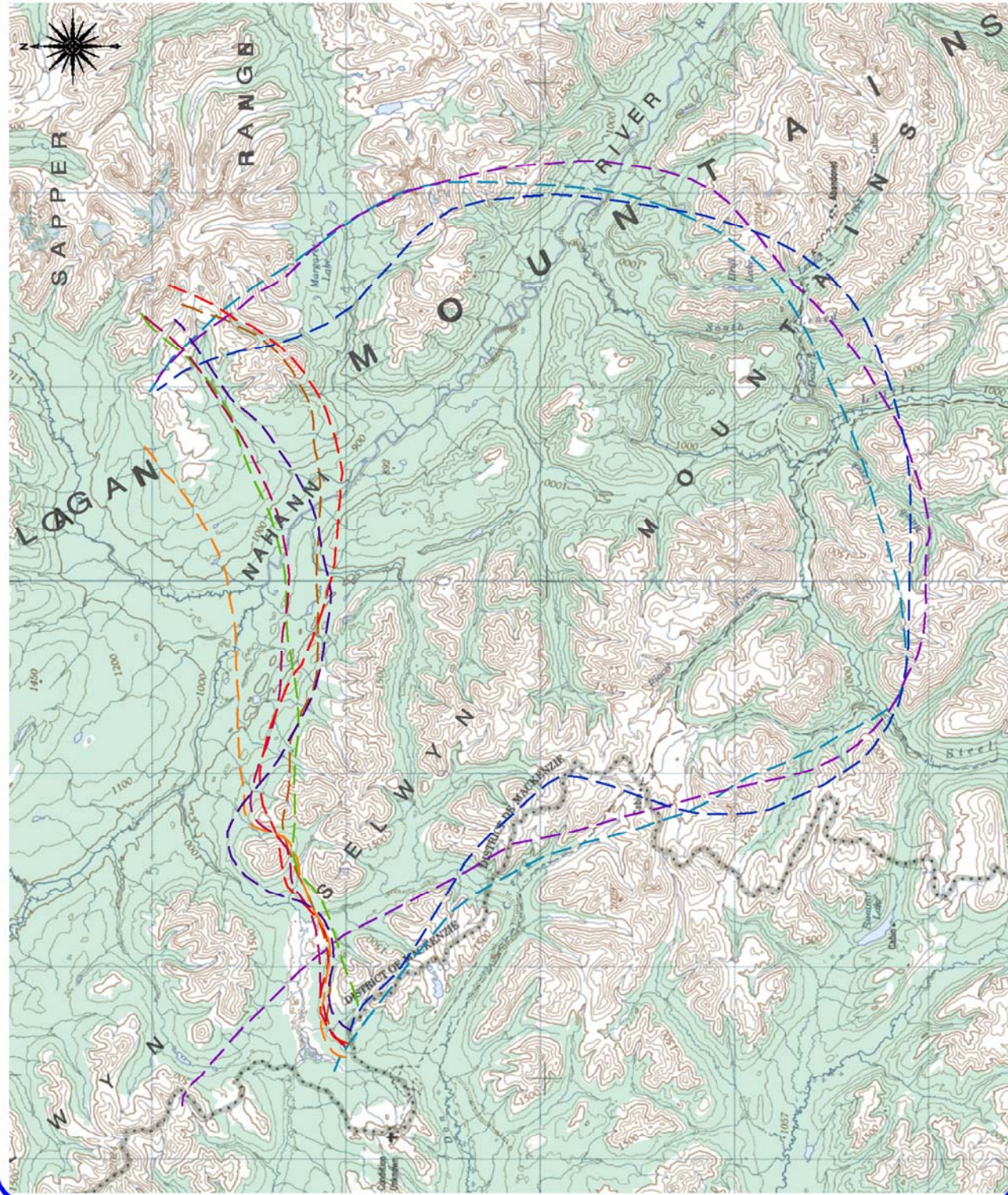
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NO.	DATE	REVISION TABLE	BY
1	2008	Project Start	MLB
2	2008	Project End	MLB

PREPARED BY:

COMPTON (P) 2004-0511
 4000-400
 2004-0511

CHALLENGER



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 DETAILS SUBSISTENCE RESOURCES & ACTIVITIES

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

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- WHO USES THE AREA (Question 1)
- AREA IN USE SINCE ... (Question 2)
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OTHER

- OTHER SOURCES of INFORMATION (Question 20)

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MAP REFERENCES:

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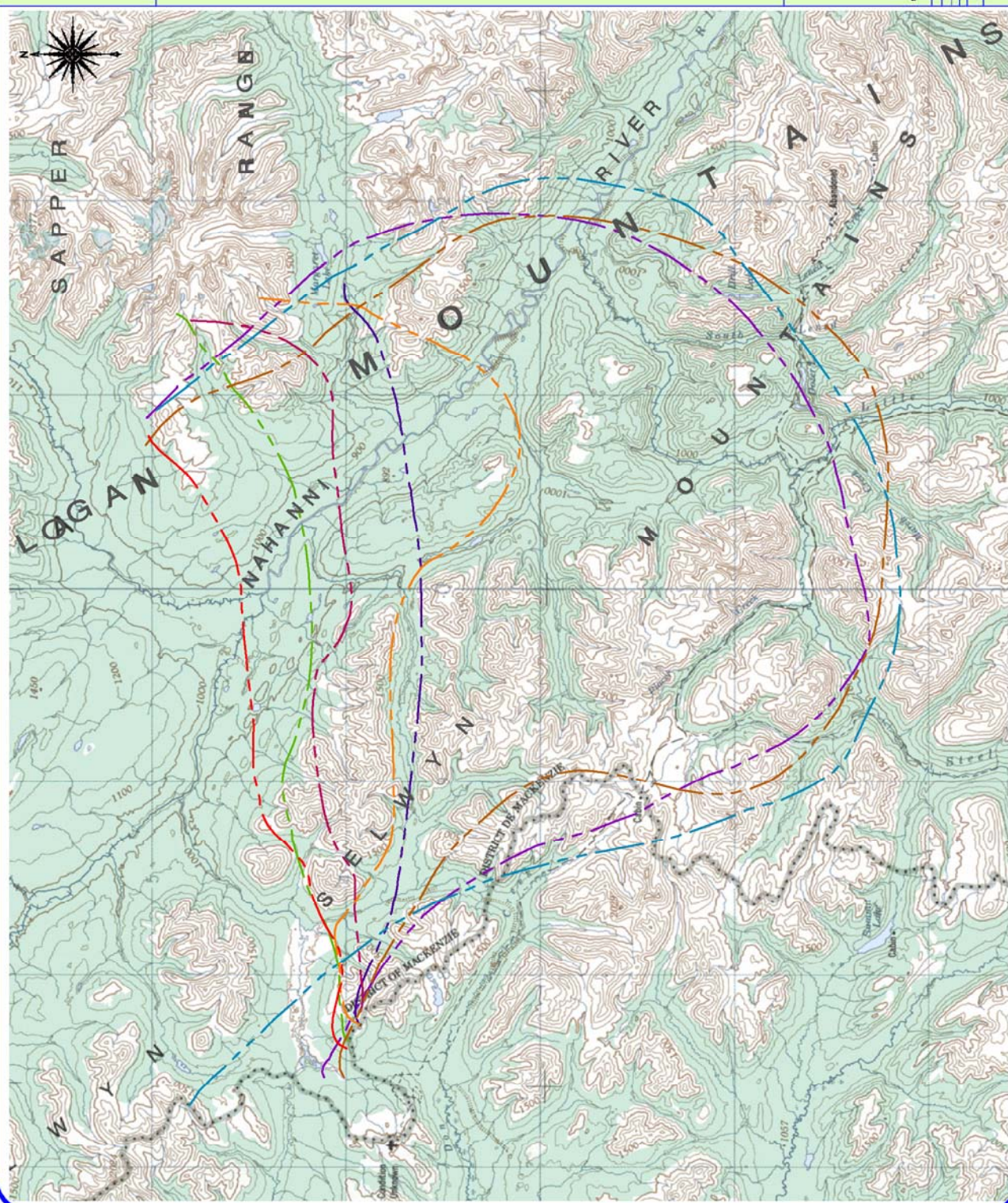
REVISION TABLE

No.	Date	Description	By
1	November 17, 2001	Project Initiation	MAP
2	November 17, 2001	Project Initiation	MAP

PREPARED BY:

COMPTON (P) 2001-0011
CHALLENGER (P) 2001-0011
CHALLENGER (P) 2001-0011

CHALLENGER
Geomatics Ltd.



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

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

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PHYSICAL LANDSCAPE

- PERMAFROST (Question 6)
- RIVER FREEZE-UP (Question 12)
- NATURAL SPRINGS (Question 13)
- EARTHQUAKES/LANDSLIDES (Question 19)

OTHER

- OTHER SOURCES of INFORMATION (Question 20)



SCALE 1 : 200 000

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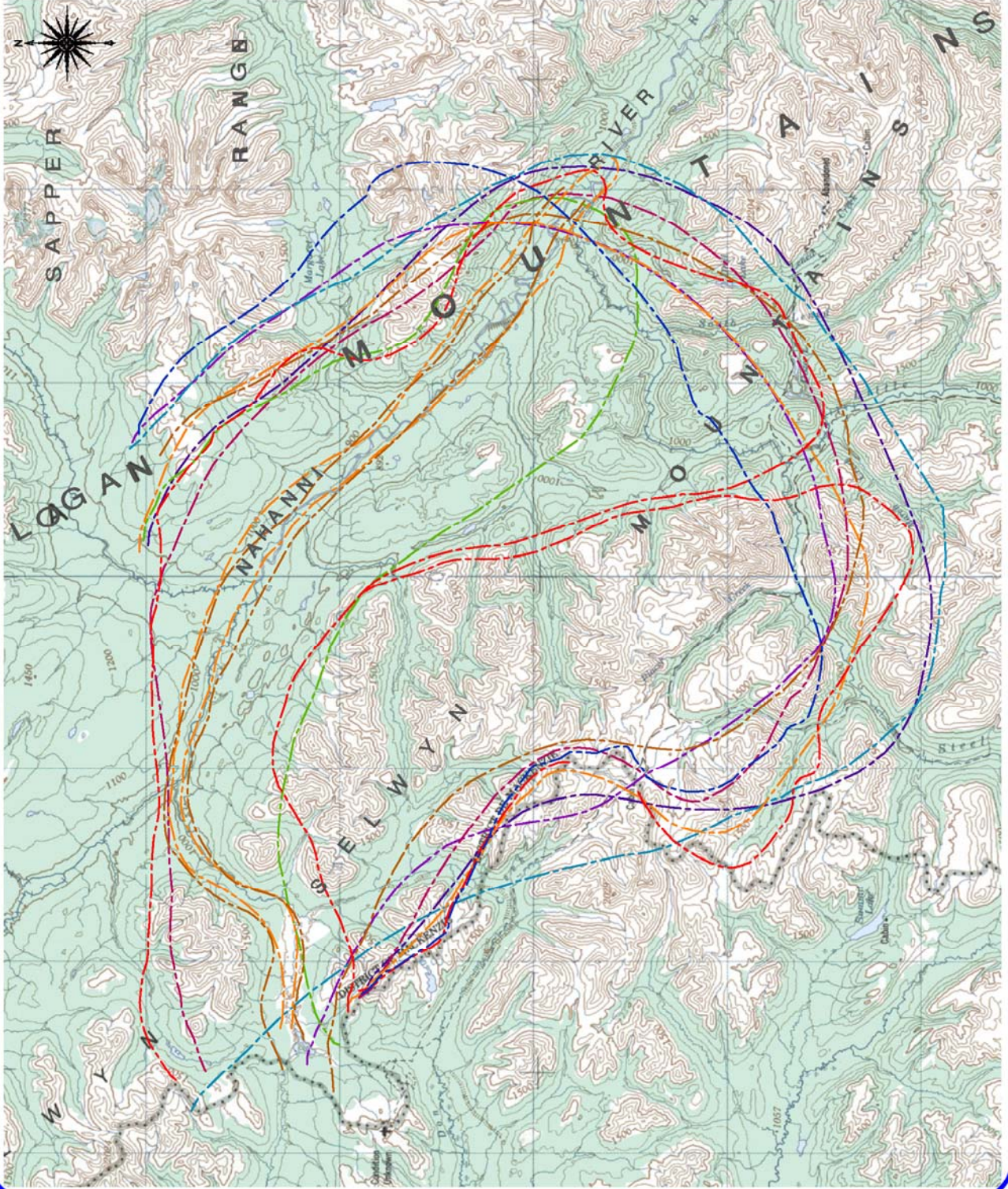
NO.	DATE	REVISION TABLE	BY
1	01/01/2008	PRELIMINARY	MLB
2	11/01/2008	FINAL	MLB

PREPARED BY:

COMPTON PROSNA-SIT
 603-938-6910
 400-2002-100-0000
 1000-1000-1000

CHALLENGER

Geomatics Ltd.



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

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

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- AREA IN USE SINCE ... (Question 2)
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- PERMAFROST (Question 6)
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- NATURAL SPRINGS (Question 13)
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OTHER

- OTHER SOURCES of INFORMATION (Question 20)

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SCALE 1 : 200 000

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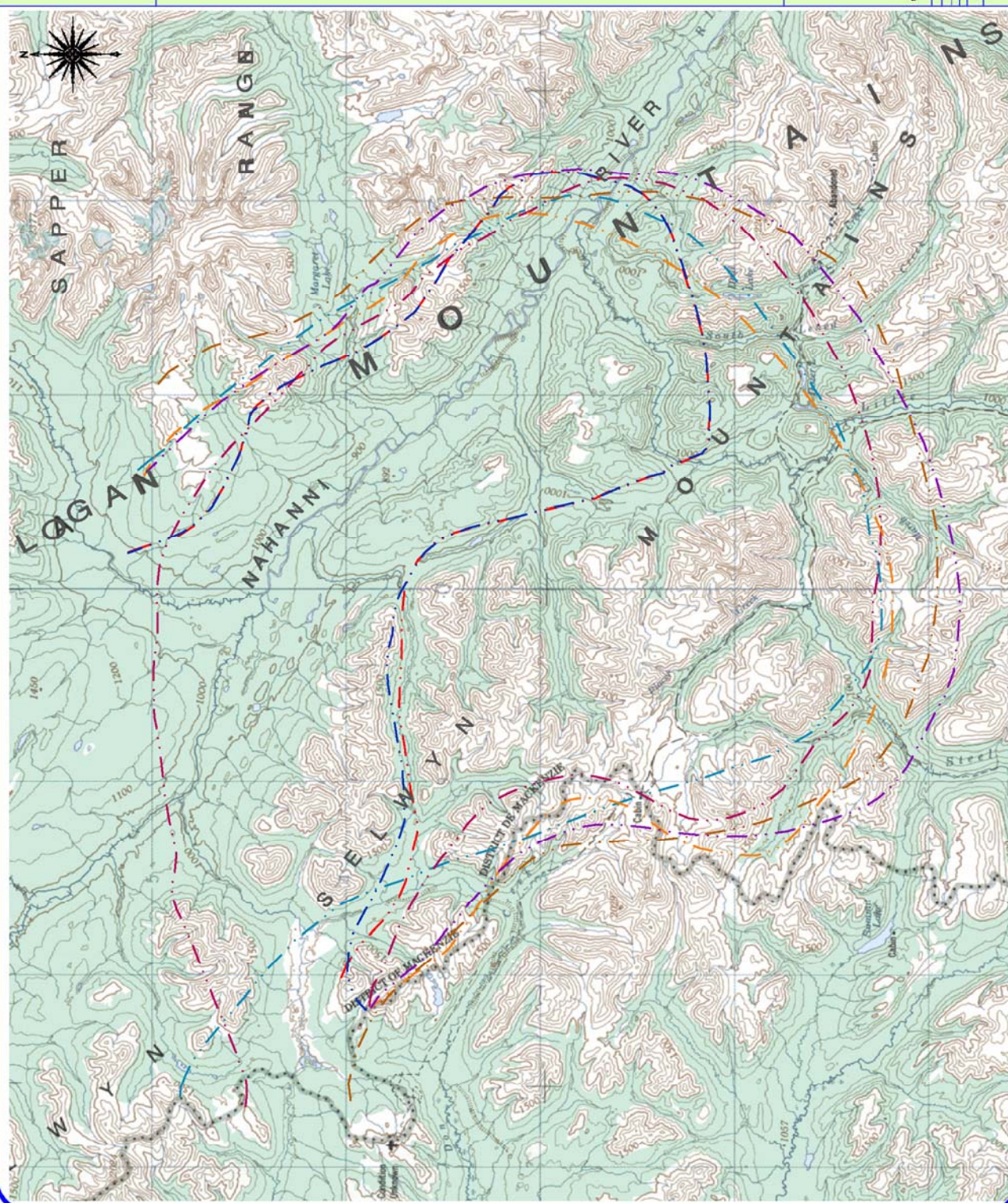
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NO.	DATE	BY
1	November 17, 2008	MAK
2	November 17, 2008	MAK

PREPARED BY:

COMPTON PRODA-SIT
604-944-6910
www.challenger-geomatics.com

DATE: November 17, 2008
PROJECT: SAHTU REGION
SCALE: 1:200,000
SHEET: 5



**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

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)

HERITAGE SITES

- TRADITIONAL BOUNDARIES (Question 4)
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PHYSICAL LANDSCAPE

- PERMAFROST (Question 6)
- RIVER FREEZE-UP (Question 12)
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OTHER

- OTHER SOURCES of INFORMATION (Question 20)



SCALE 1 : 200 000

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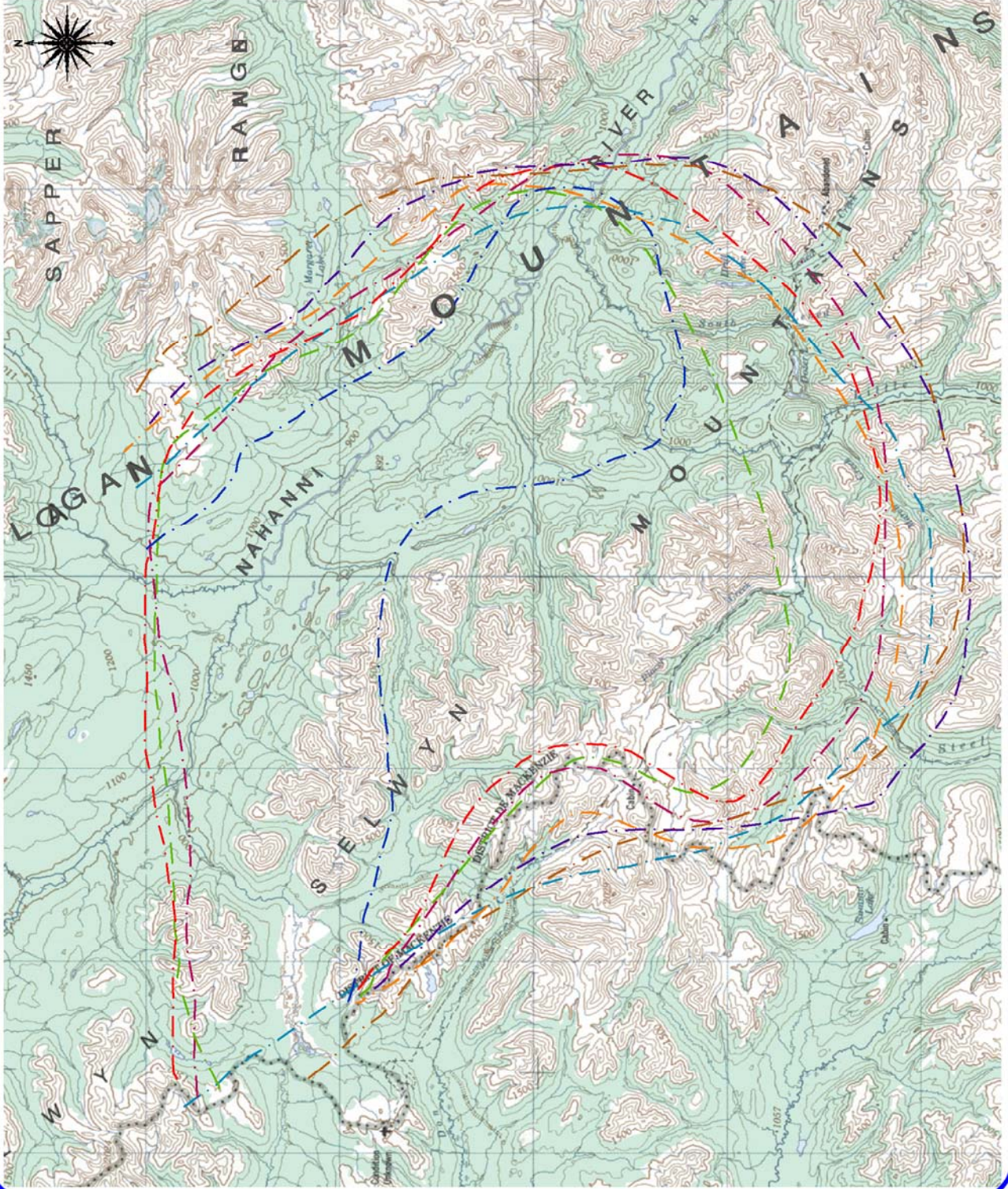
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REVISION TABLE		DATE	BY
1	DATE	November 11, 2021	MAK
2	DESCRIPTION		

PREPARED BY:

COMPOSITION: (P) (M) (A) (S) (T)
AUTHOR: (P) (M) (A) (S) (T)
DRAWING: (P) (M) (A) (S) (T)

DATE: November 11, 2021
SCALE: 1:200,000
PROJECT: Howard's Pass



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.

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)

HERITAGE SITES

- TRADITIONAL BOUNDARIES (Question 4)
- TRADITIONAL TRAILS (Question 14)
- BURIAL/HISTORICAL (Question 16)
- CEREMONIAL/TRADITIONAL/SPIRITUAL (Question 17)
- TRADITIONAL NAMES OF PHYSICAL FEATURES (Question 18)

PHYSICAL LANDSCAPE

- PERMAFROST (Question 6)
- RIVER FREEZE-UP (Question 12)
- NATURAL SPRINGS (Question 13)
- EARTHQUAKES/LANDSLIDES (Question 19)

OTHER

- OTHER SOURCES OF INFORMATION (Question 20)

5.0 2.0 0 2.0 4.0 6.0 8.0 10.0 12.0 Km

SCALE 1 : 200 000

MAP REFERENCES:

Natura Topographic Maps derived from ETopo Map Connection Ltd 2001
 Projection Universal Transverse Mercator (UTM) - Zone 11
 Datum North American Datum 1983 (NAD83)

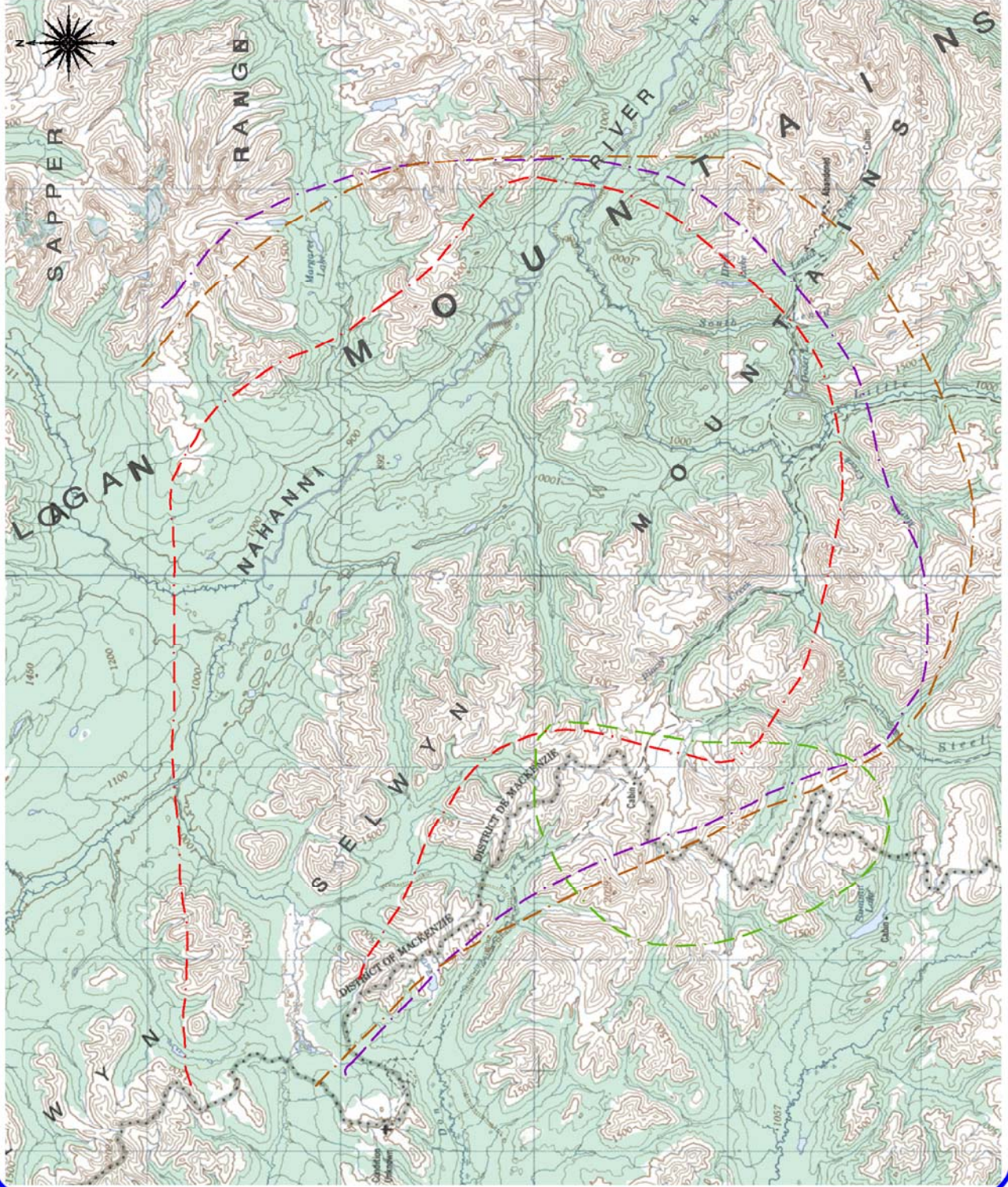
This online Geomatics Ltd. endeavour to present accurate and current information, however errors or omissions of information are used and some information is subject to interpretation. Challenge can not guarantee the accuracy of the information presented.

NO.	DATE	REVISION TABLE	BY
1	01/11/2018	Project Start	MAP
2	01/11/2018	Project End	MAP

PREPARED BY:

COMPTON PROJECTS
 1000-1010
 1000-1010
 1000-1010

CHALLENGER



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)
- 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)

HERITAGE SITES

- TRADITIONAL BOUNDARIES (Question 4)
- TRADITIONAL TRAILS (Question 14)
- BURIAL/HISTORICAL (Question 16)
- CEREMONIAL/TRADITIONAL/SPIRITUAL (Question 17)
- TRADITIONAL NAMES of PHYSICAL FEATURES (Question 18)

PHYSICAL LANDSCAPE

- PERMAFROST (Question 6)
- RIVER FREEZE-UP (Question 12)
- NATURAL SPRINGS (Question 13)
- EARTHQUAKES/LANDSLIDES (Question 19)

OTHER

- OTHER SOURCES OF INFORMATION (Question 20)



SCALE 1 : 200 000

MAP REFERENCES:

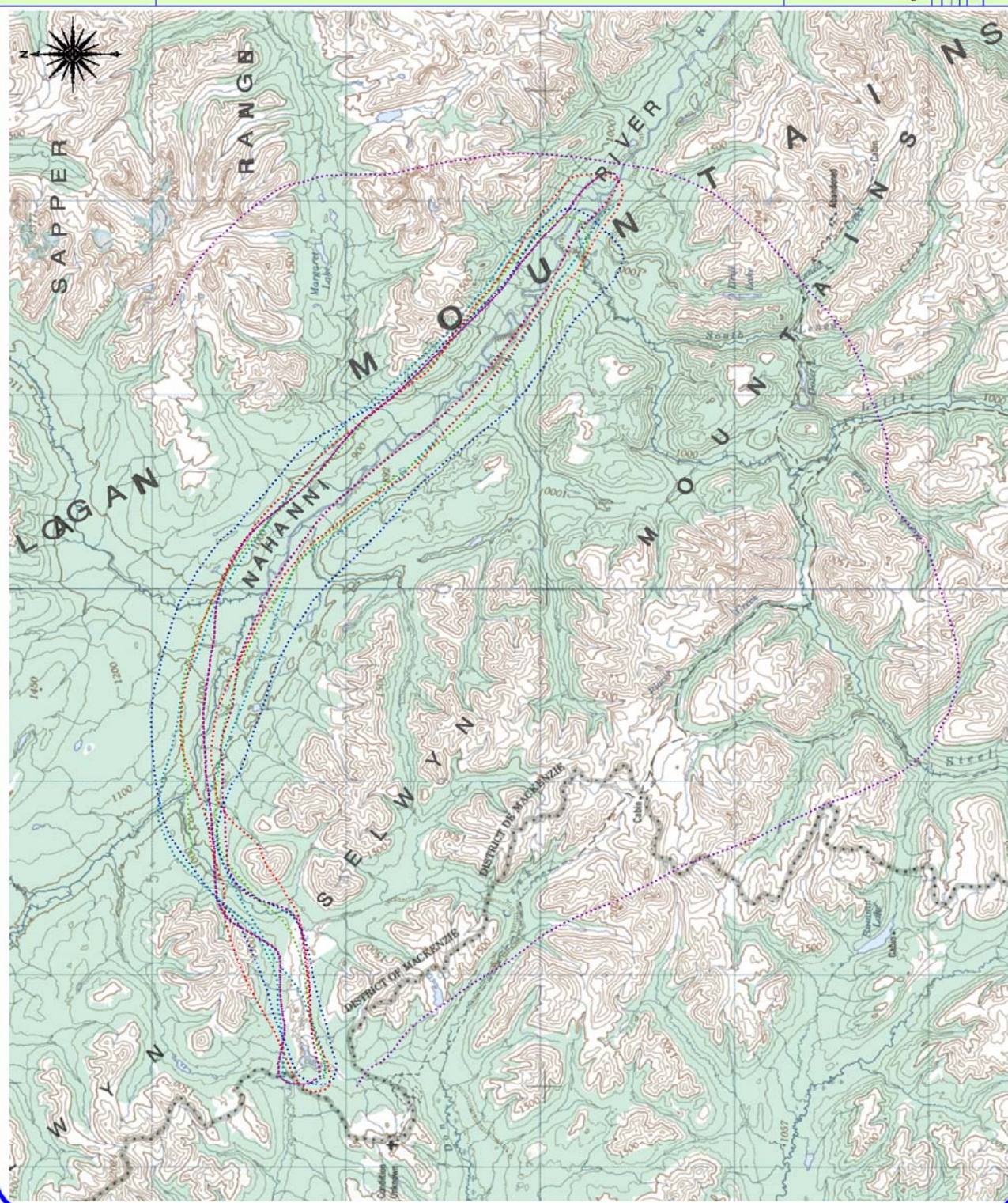
Nature Topographic Maps derived from ETopo Map Connection Ltd 2001
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 Datum North American Datum 1983 (NAD83)

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REVISION TABLE		DATE	BY
1	DATE	November 11, 2021	MAP
2	DESCRIPTION		

PREPARED BY:	
COMPILED BY	PROJECT LEADER
DESIGNED BY	PROJECT LEADER
ILLUSTRATED BY	PROJECT LEADER

CHALLENGER	
PROJECT NUMBER	2021-01
PROJECT TITLE	TRADITIONAL ECOLOGICAL KNOWLEDGE SURVEY
PROJECT LOCATION	SAHTU REGION, TULIT'A DISTRICT
PROJECT DATE	November 11, 2021
PROJECT STATUS	Final



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

- VEGETATION (Question 7)
- WILDLIFE SPECIES (Question 8)
- FISH (Question 9)
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- RIVER FREEZE-UP (Question 12)
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- OTHER SOURCES of INFORMATION (Question 20)



SCALE 1 : 200 000

MAP REFERENCES:

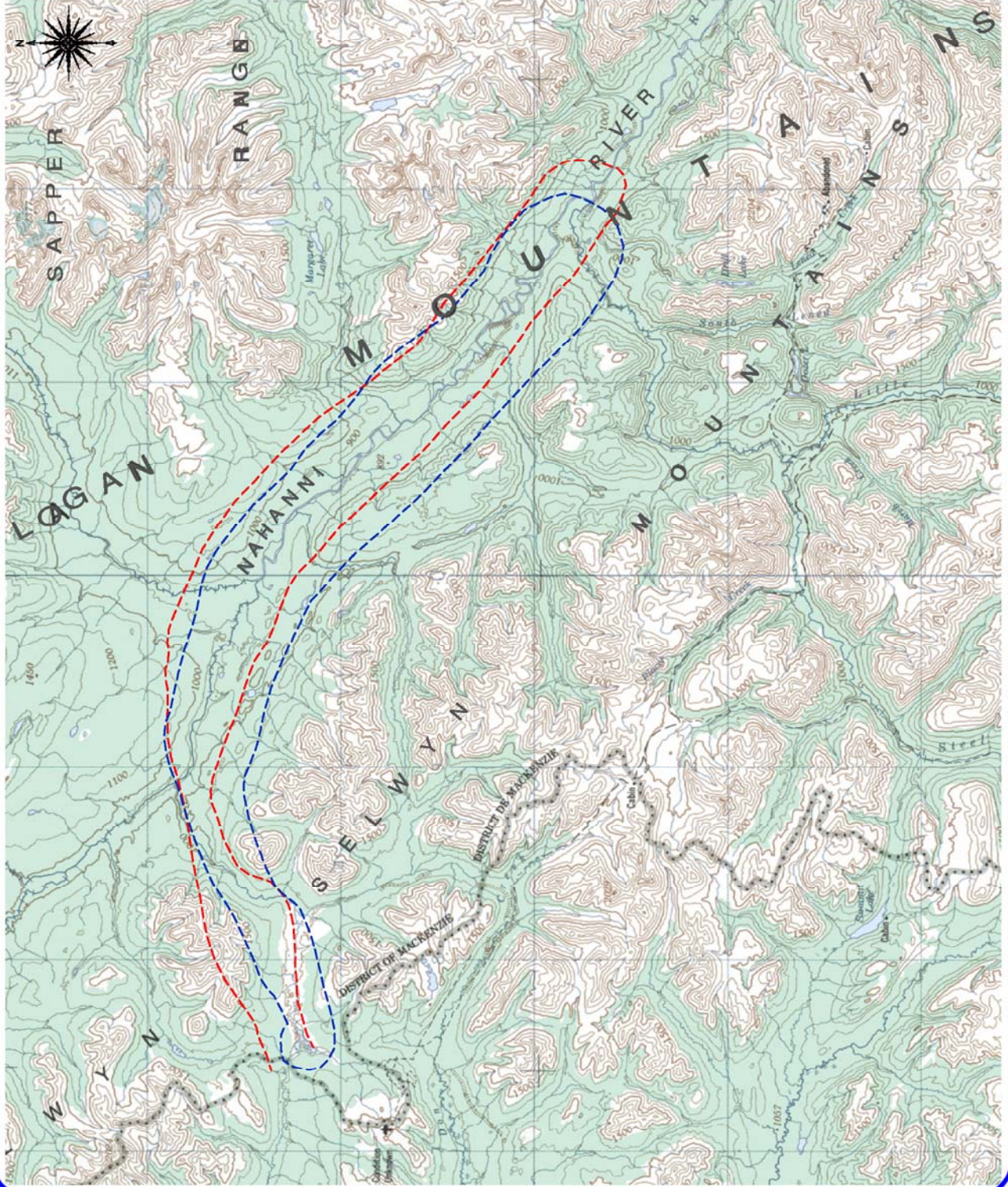
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REVISION TABLE	
NO.	DATE
1	01/11/2021
2	11/01/2022

PREPARED BY:	
COMPILED BY:	DATE:
CHALLENGER	November 21, 2021

PROJECTED BY:	
COMPILED BY:	DATE:
CHALLENGER	November 21, 2021



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

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5.0 2.0 0 2.0 4.0 6.0 8.0 10.0 12.0 Km

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REVISION TABLE

No.	Date	Description	By
1	November 17, 2021	Project Initiation	MAP
2	November 17, 2021	Project Initiation	MAP

PREPARED BY:

NAME	DATE	ROLE
CHALLENGER	November 17, 2021	Project Manager
CHALLENGER	November 17, 2021	Project Manager

