

WESTERN BEAUFORT REGION
CONCRETE AGGREGATE STUDY

PHOTOGRAPHIC RECORD

SUPPLY AND SERVICES CANADA

FILE 25 ST. A 7134-6-0015

PA 2291

NOVEMBER 1986



KLOHN LEONOFF
CONSULTING ENGINEERS



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OUR FILE: PA 2291.01.01

November 21, 1986

Mr. R.J. Gowan, Geotechnical Advisor
Land Management Division
Natural Resources and Economic Development Branch
Department of Indian Affairs and Northern Development
Les Terrasses de la Chaudiere
6 Floor, Room 618
Hull, Quebec
K1N 0H4

Dear Sir:

Western Beaufort Region
Concrete Aggregate Study
DSS File 25 ST. A 7134-6-0015

Following is one copy of the photographs taken of the six potential gravel sources investigated as part of this assignment.

The six sources are referred to as Willow River, Moose Creek, Shingle Point, Running River, Jacobs Lake and King Point. The locations of the sources are shown on the attached 1:250,000 topographic map.

Should you have any questions, please contact us.

Yours very truly,

KLOHN LEONOFF LTD.

L.E. RODWAY, Ph.D., P. Eng.
Project Manager

KRG/LER/sh

cc: Mr. Fred McLennan, Sr. Science Procurement Officer
(without photographs and map)

WESTERN BEAUFORT REGION

CONCRETE AGGREGATE STUDY

PHOTOGRAPHIC RECORD

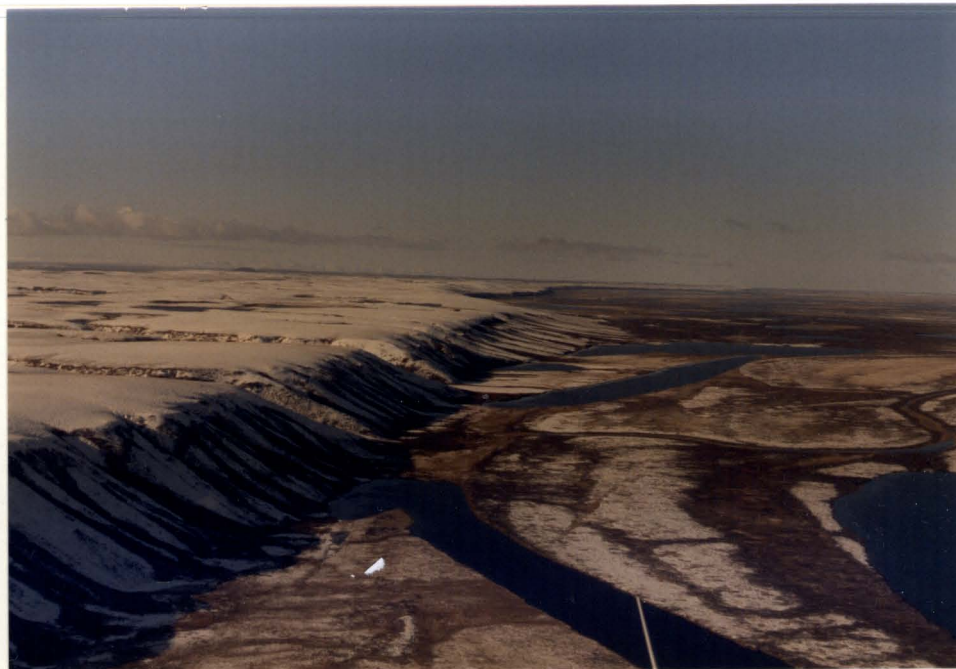
SUPPLY AND SERVICES CANADA

File 25 ST. A 7134-6-0015

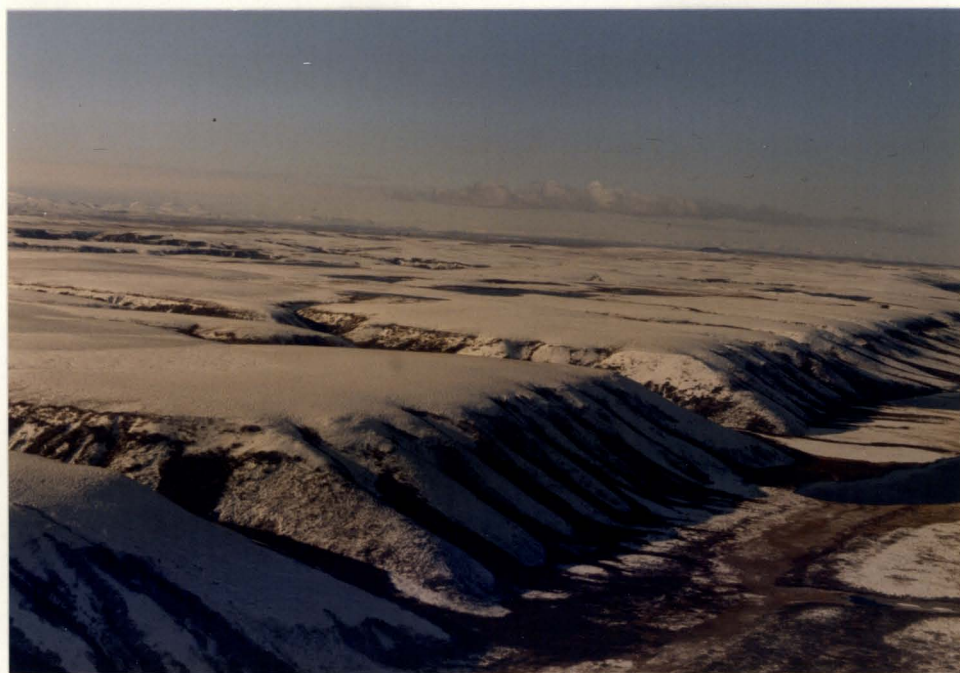
PA 2291

November 1986

MOOSE CREEK SOURCE AREA



Frame 1-1. Approaching source area from the southeast.



Frame 1-2. Looking over source from the southeast. Prominent gully in center of photo runs through the middle of the source.

MOOSE CREEK SOURCE AREA



Frame 1-3. Looking to the west along the prominent gulley.



Frame 1-4. Looking southeasterly across source area.

MOOSE CREEK SOURCE AREA



Frame 1-5. Looking east along length of gully in center of the source.



Frame 4-16. Approaching source area from northwest.

MOOSE CREEK SOURCE AREA



Frame 4-17. Looking at silty gravel exposure (near Y-102B).



Frame 4-18. Exposure 1 mile southeast of Y-102.

MOOSE CREEK SOURCE AREA



Frame 4-19. Exposure 1 mile southeast of Y-102 source.



Frame 4-20. Area sampled at Moose Lake about 1 mile south of Y-102.

MOOSE CREEK SOURCE AREA



Frame 4-21. Exposure at sample area.

SHINGLE POINT SOURCE AREA

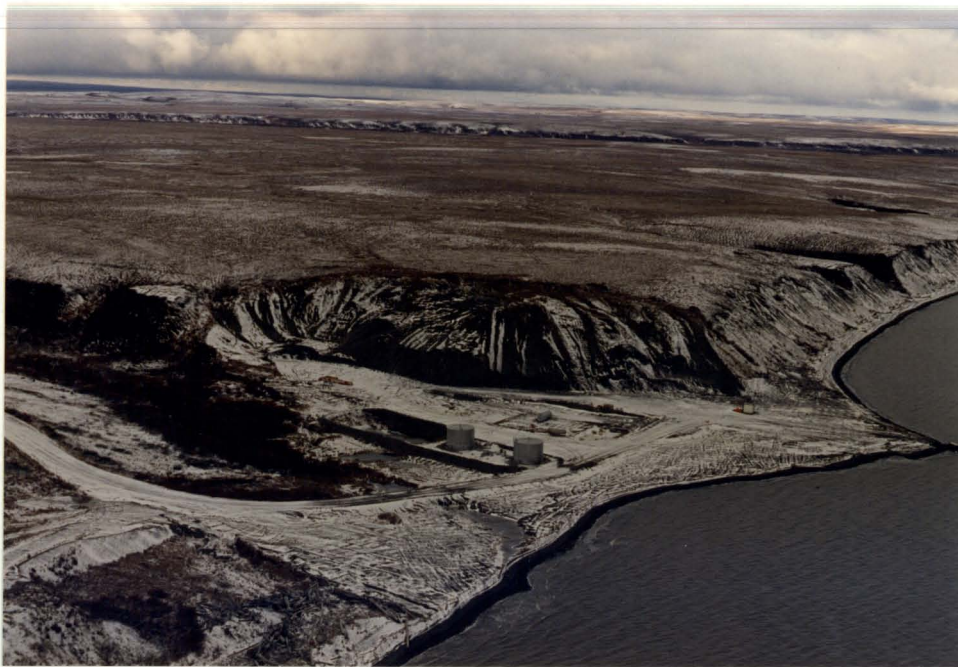


Frame 5-18. Exposure at sample area.



Frame 5-19. Exposure at sample area.

SHINGLE POINT SOURCE AREA

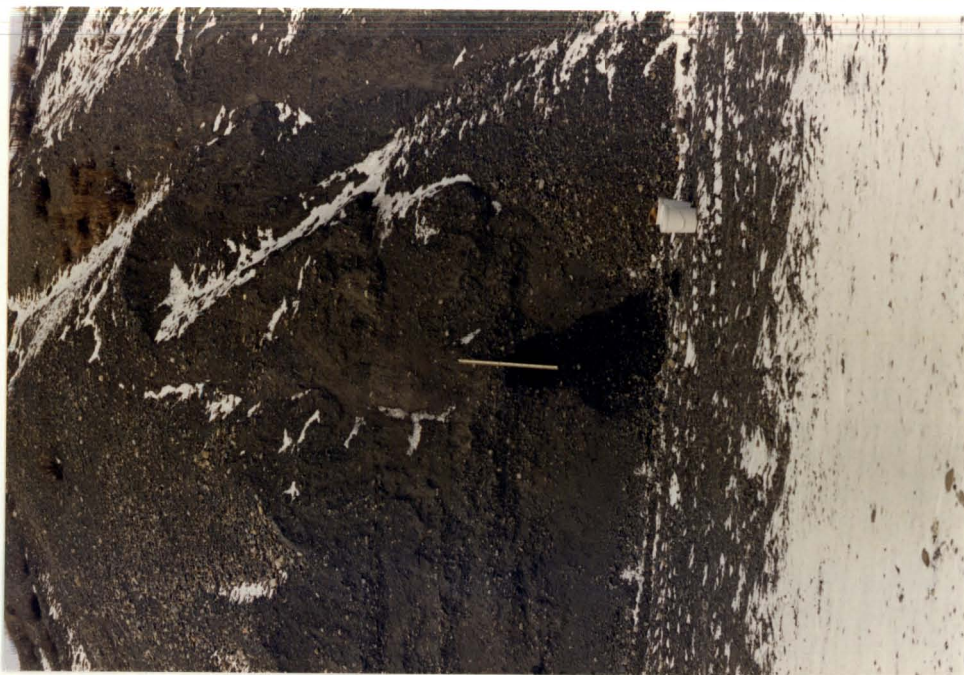


Frame 5-20. Helicopter view, Shingle Point gravel pit.



Frame 5-15. Gravel exposure sampled in Shingle Point pit.

SHINGLE POINT SOURCE AREA



Frame 5-16. Gravel exposure sampled in Shingle Point pit.



Frame 5-17. Gravel exposure in Shingle Point pit.

SHINGLE POINT SOURCE AREA



Frame 5-21. Along coast at Shingle Point pit area.

RUNNING RIVER SOURCE AREA

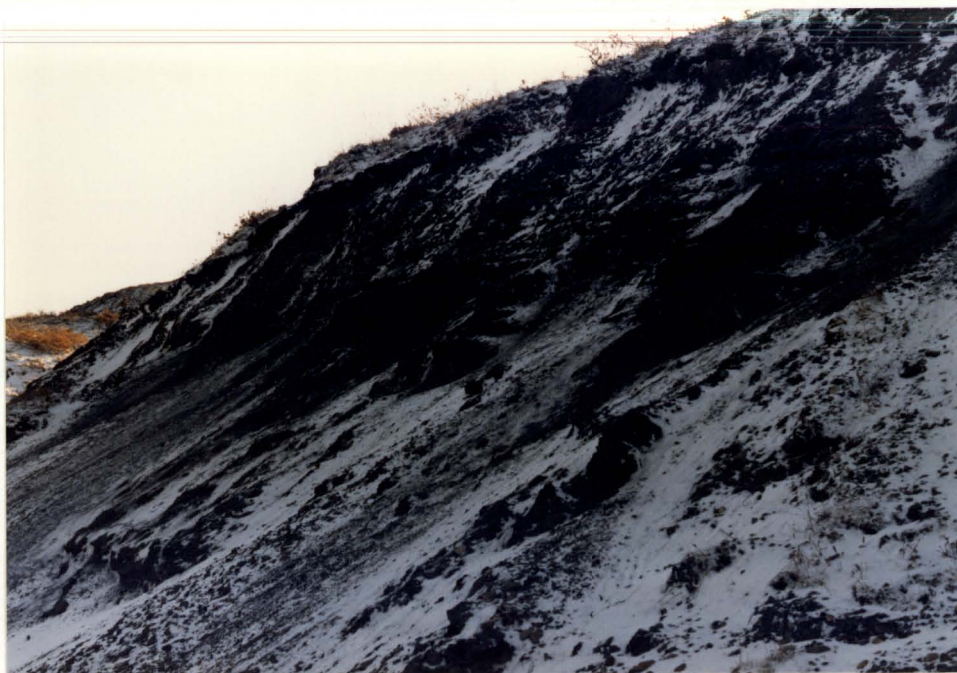


Frame 4-1. Looking southeast along shoreline (HARDY Y-78)



Frame 4-2. Exposures along shoreline (HARDY Y-78).

RUNNING RIVER SOURCE AREA



Frame 4-3. Exposures along shoreline (HARDY Y-78).



Frame 4-4. Close up of area sampled at Running River.

RUNNING RIVER SOURCE AREA



Frame 4-5. Exposures in Running River bank adjacent to area sampled.



Frame 4-6. Exposure looking upstream adjacent to area sampled.

RUNNING RIVER SOURCE AREA

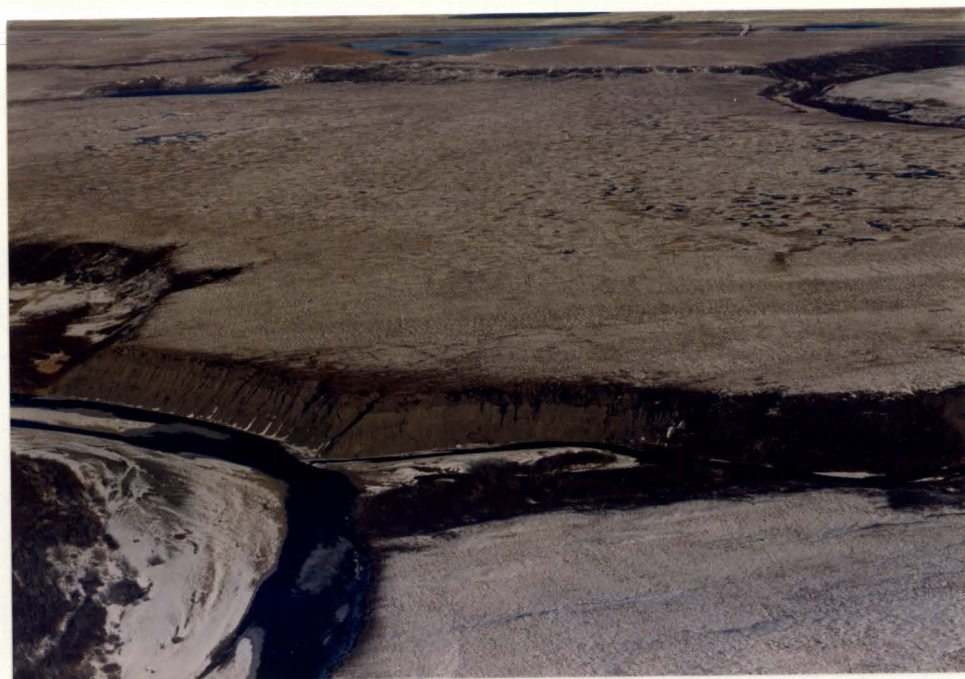


Frame 4-7. Looking downstream to Running River adjacent to area sampled.



Frame 4-8. Helicopter photo looking at area samples (note white bags).

RUNNING RIVER SOURCE AREA

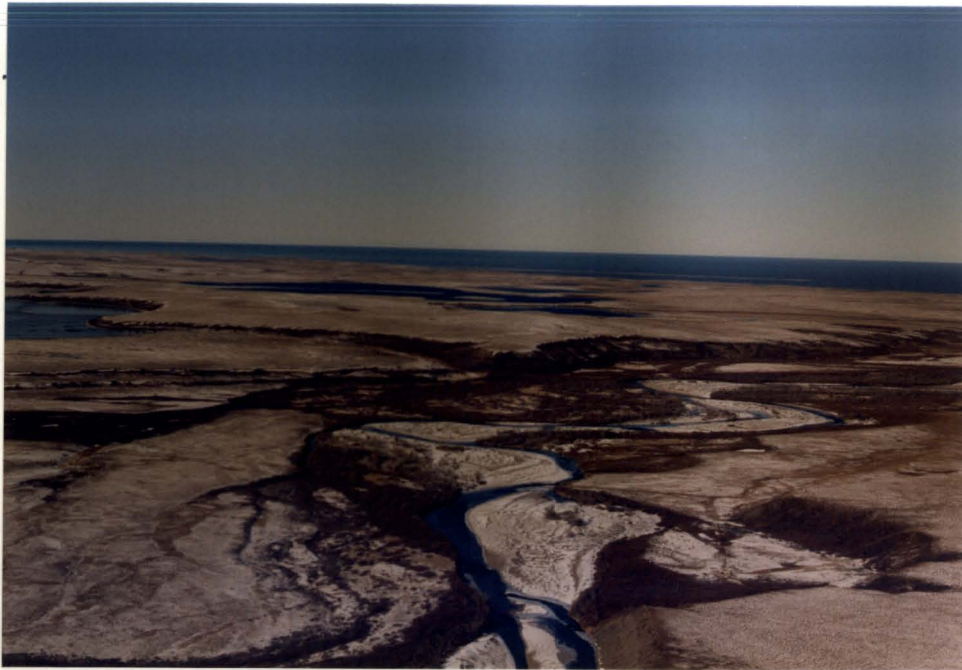


Frame 4-9. Helicopter photo looking at area samples (note white bags).



Frame 4-10. Small tributary stream flowing into Running River adjacent to sample area.

RUNNING RIVER SOURCE AREA

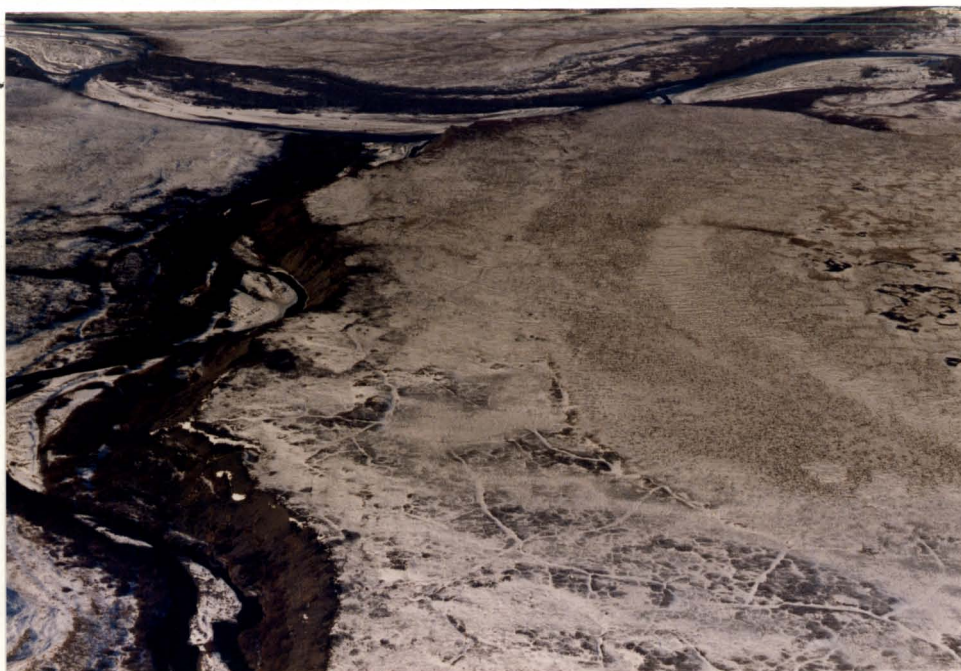


Frame 4-11. Looking towards ocean along Running River.

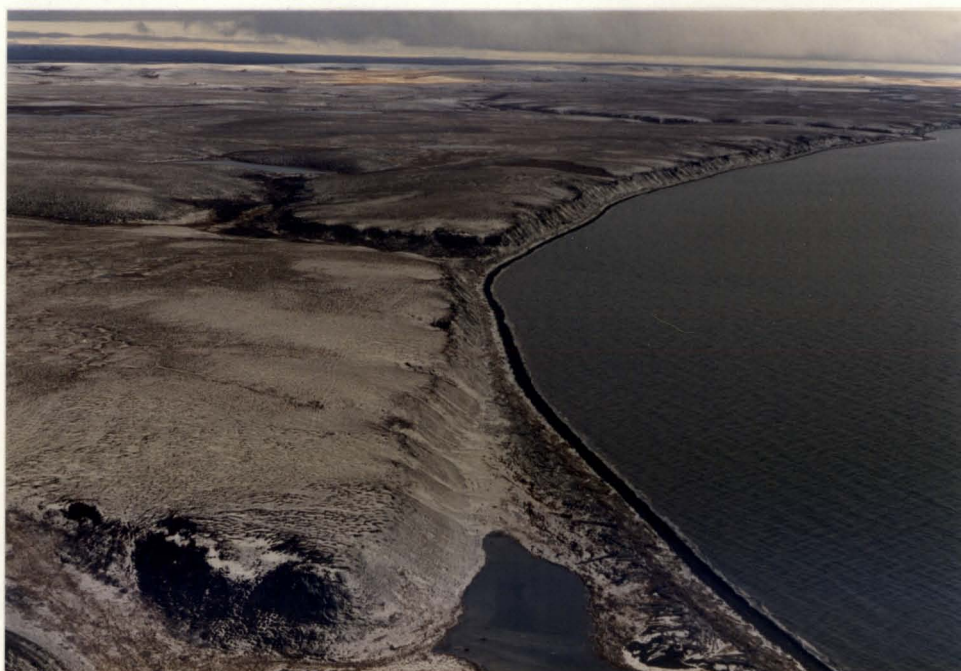


Frame 4-12. Looking towards ocean along Running River.

RUNNING RIVER SOURCE AREA

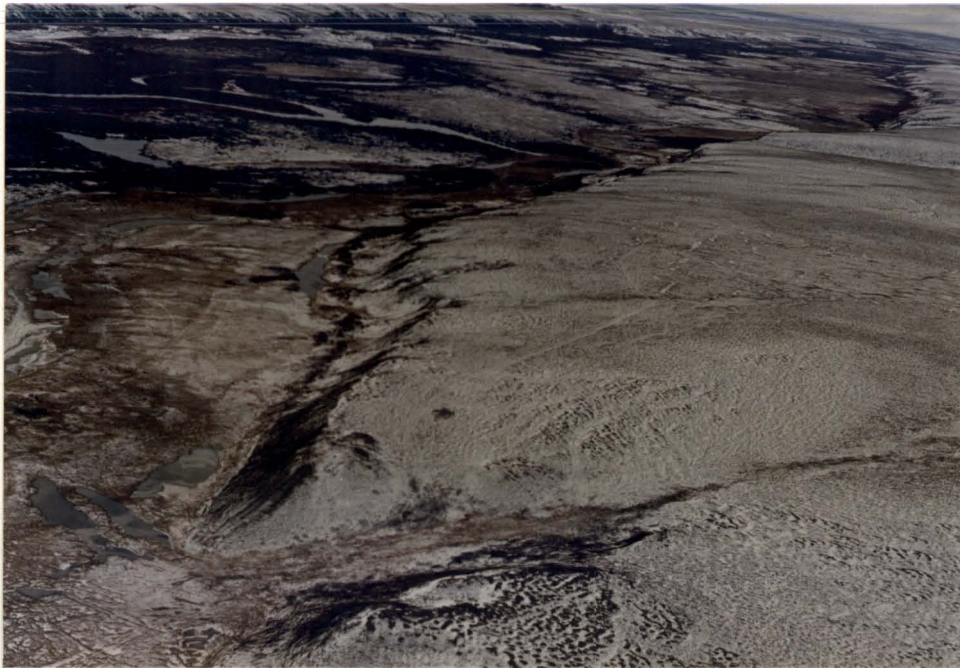


Frame 4-13. Looking along tributary stream towards Running River area sampled at junction.



Frame 5-10. Along coast at Y-78.

RUNNING RIVER SOURCE AREA



Frame 5-11. Looking south along source at mouth of Running River (Y-78)



Frame 5-12. Grave site at mouth of Running River (Y-78).

RUNNING RIVER SOURCE AREA

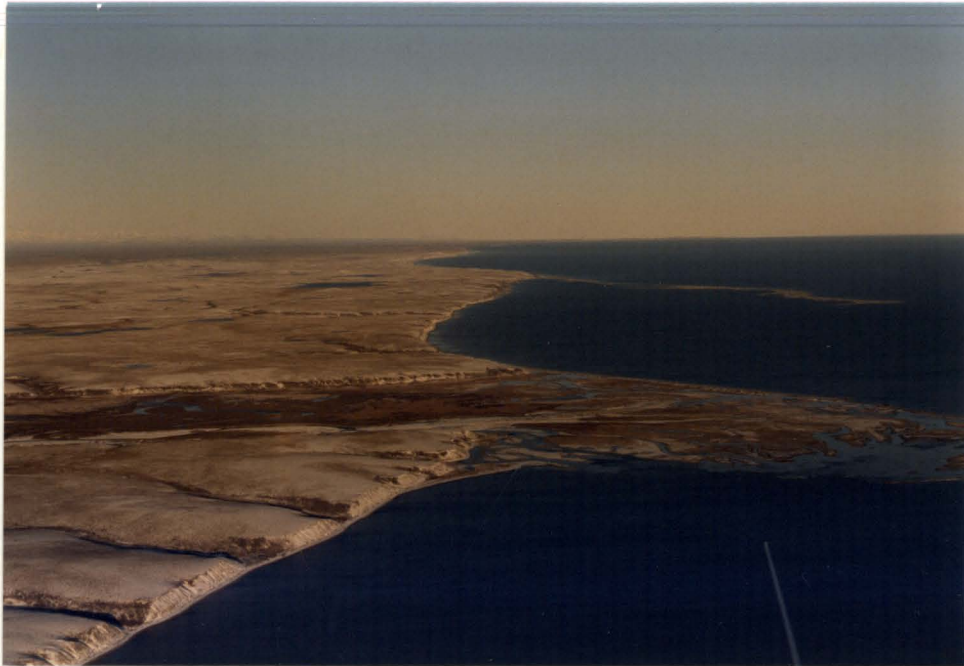


Frame 5-13. Grave site at mouth of Running River (Y-78).

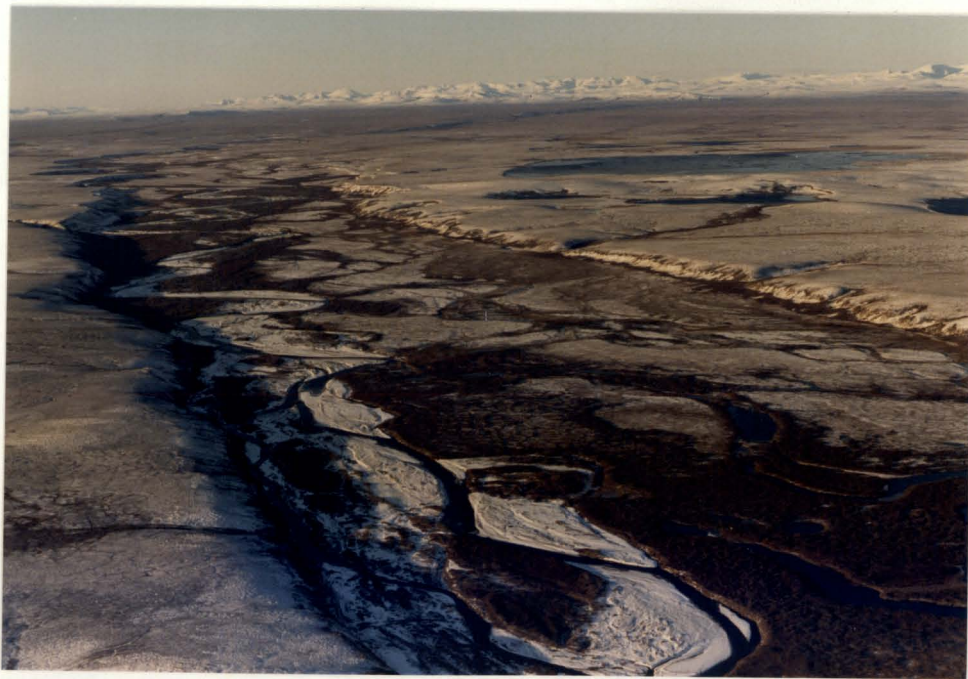


Frame 5-14. Along shore line between Running River and Shingle Point.

RUNNING RIVER SOURCE AREA

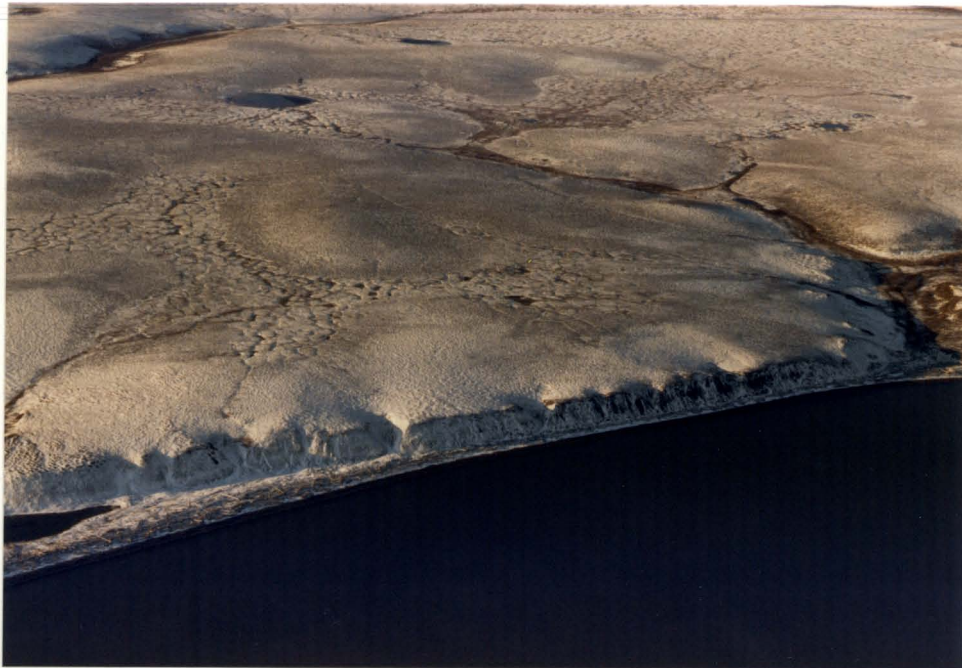


Frame 2-14. Looking northwest along coast line at Running River delta.

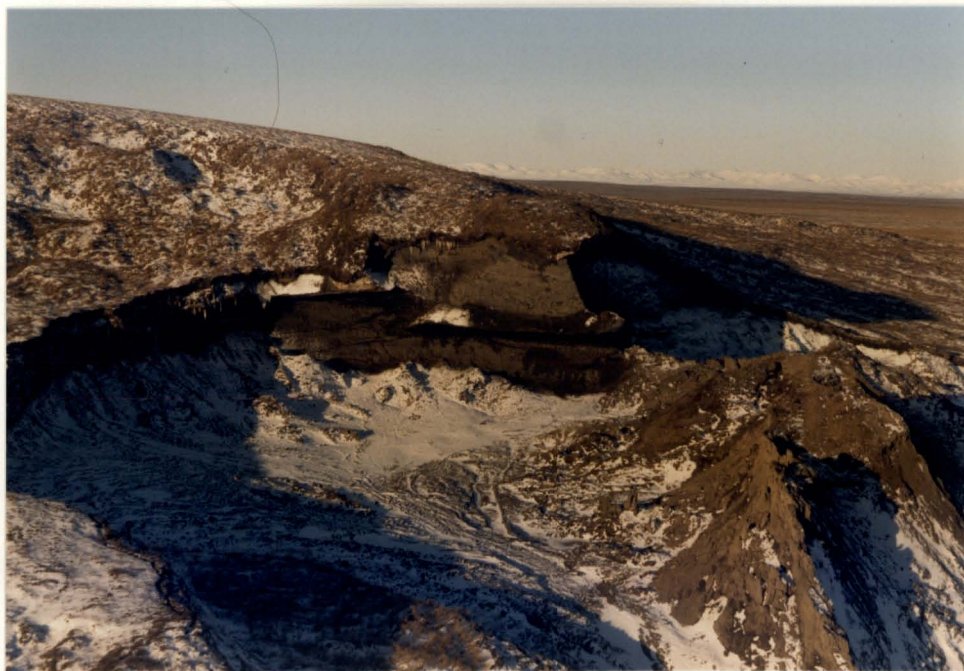


Frame 2-15. Looking south along Running River.

RUNNING RIVER SOURCE AREA



Frame 2-16. Looking south to (HARDY Y-78) source along shore line.

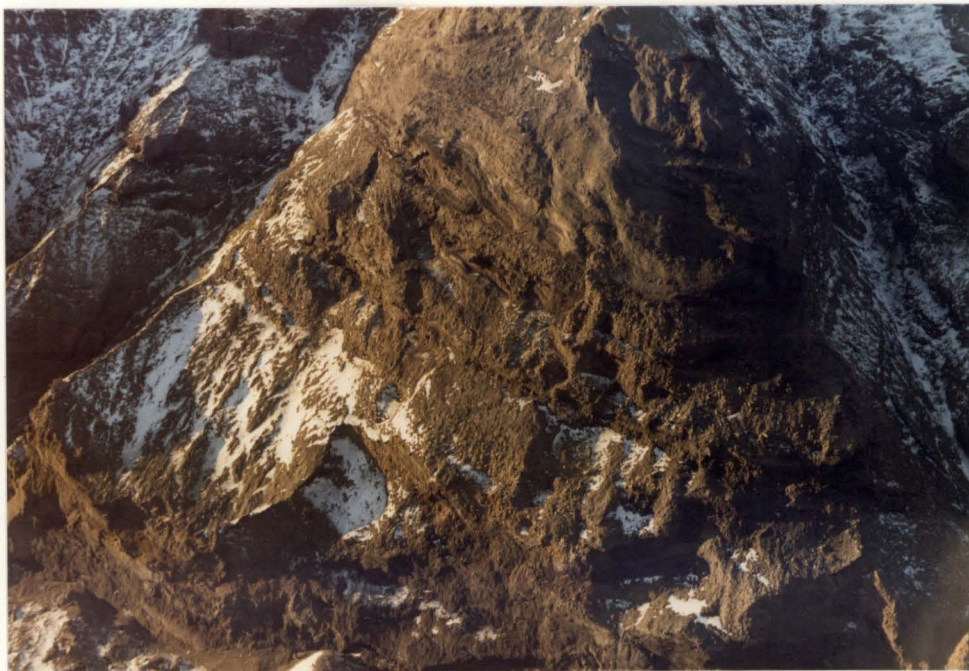


Frame 2-17. Slide on shore line in fine grained overburden, located in Hardy Y-78 source.

RUNNING RIVER SOURCE AREA

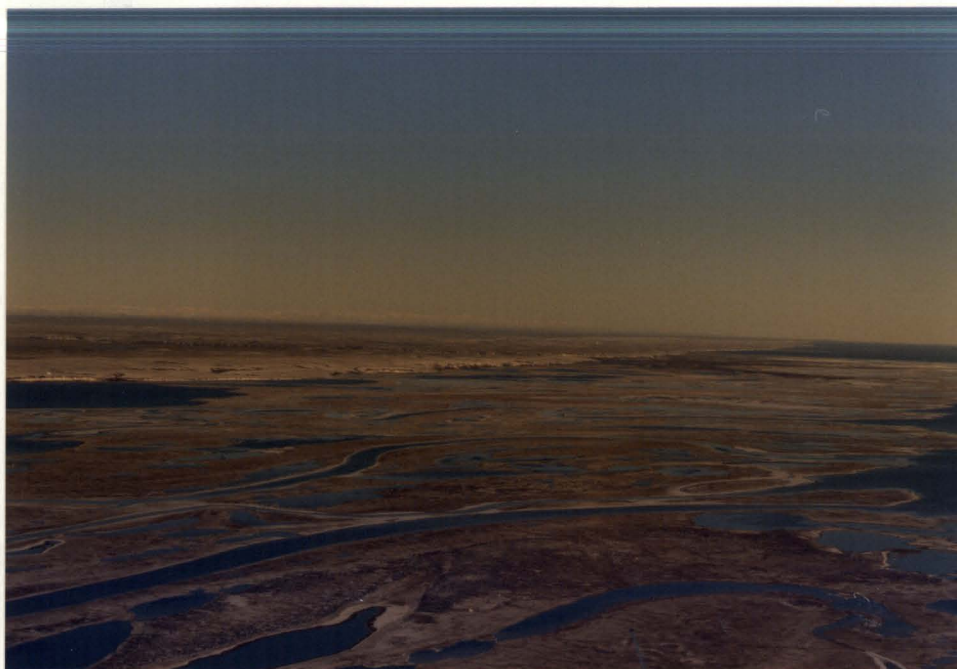


Frame 2-18. Slide on shore line in fine grained overburden, located in Hardy Y-78 source.



Frame 2-19. Typical exposure of fine gravel and thin silt layers in shore line deposit (HARDY Y-78 source).

BLOW RIVER SOURCES

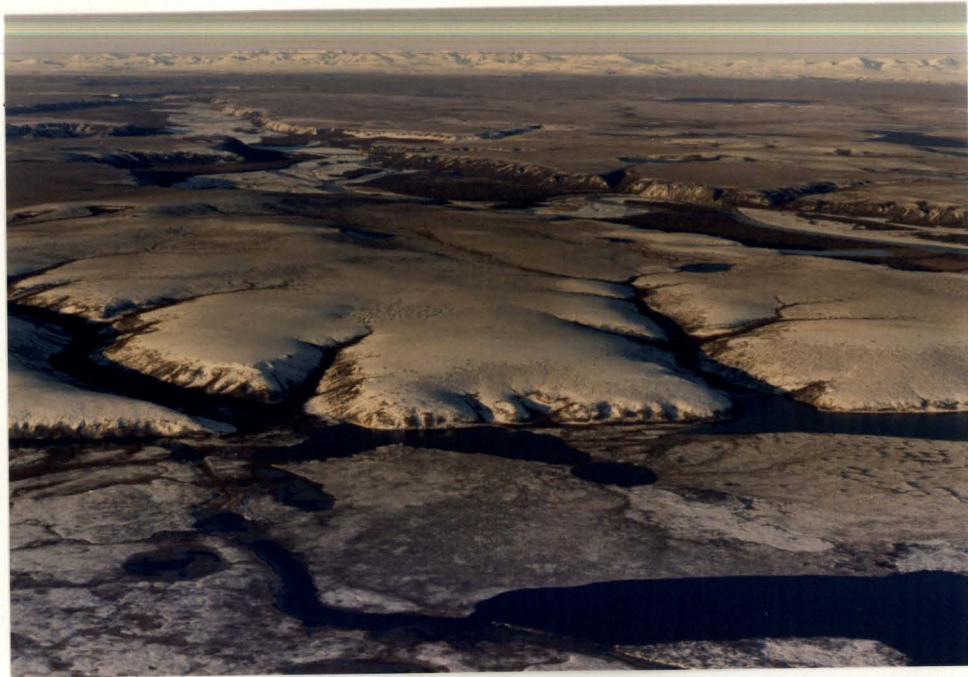


Frame 2-8. Crossing delta and approaching Whitefish Station area.

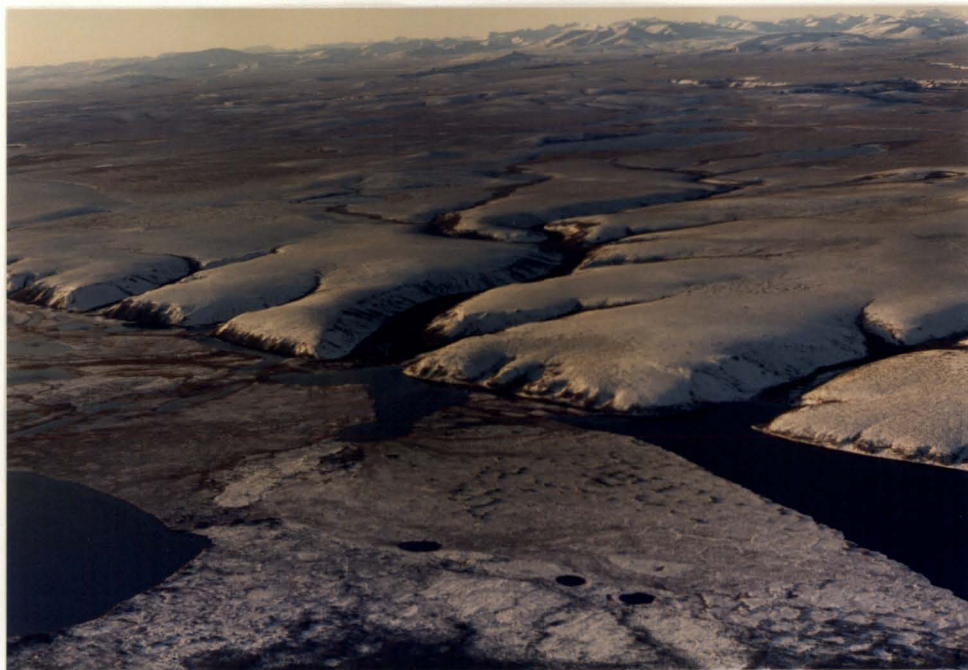


Frame 2-9. Looking at source area (HARDY Y-93) from east. Blow River in background.

BLOW RIVER SOURCES



Frame 2-10. Looking at north end of source area from the east.

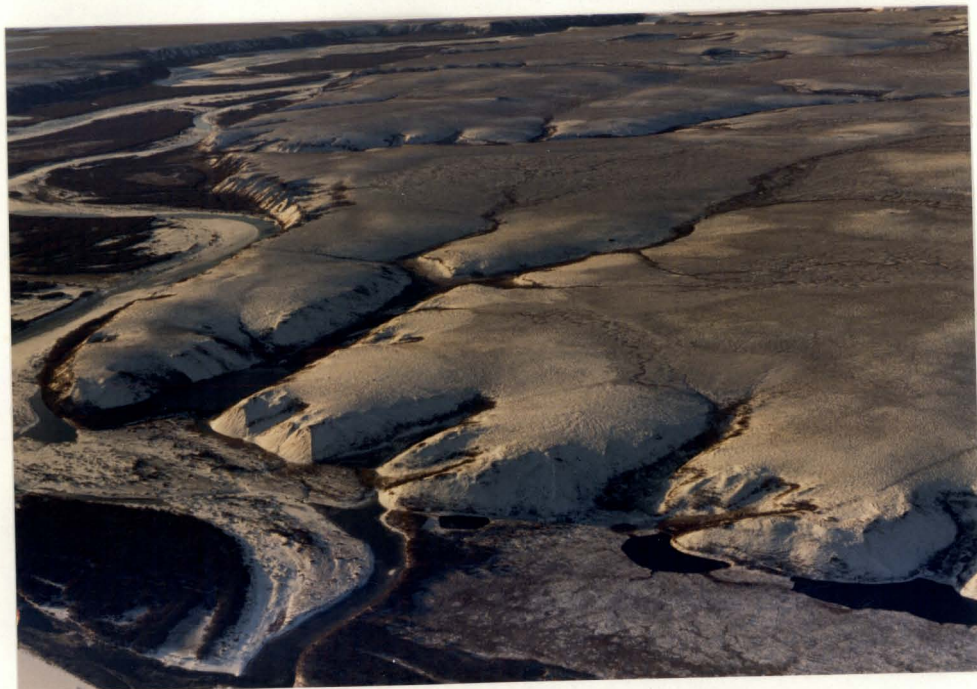


Frame 2-11. Looking south across the source area from the delta.

BLOW RIVER SOURCES

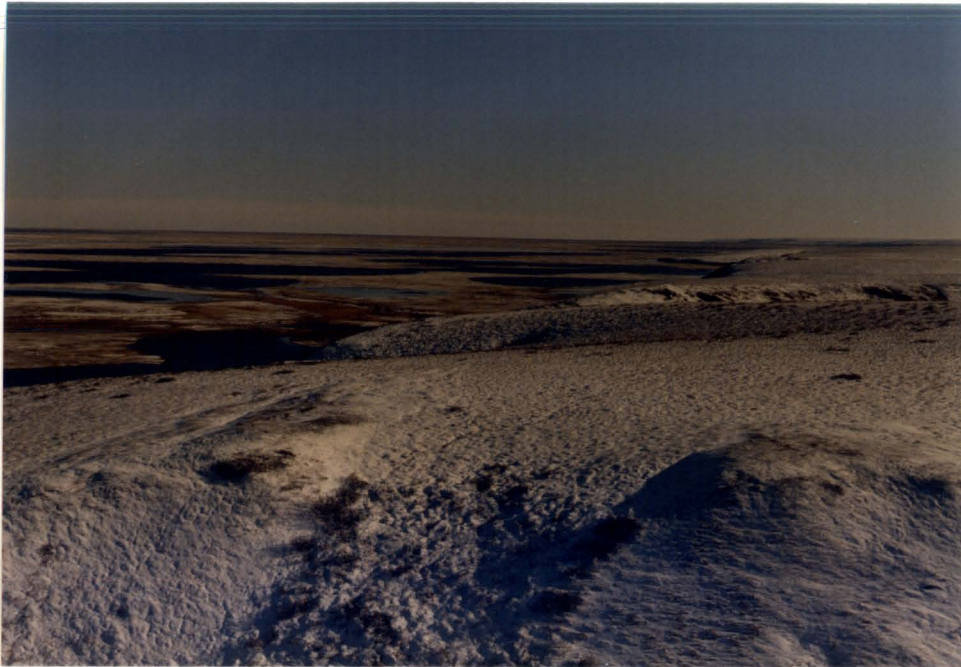


Frame 2-12. Looking south along Blow River flood plain (HARDY Y-86).
Taken from edge of delta.



Frame 2-13. Looking south along Blow River Flood Plain (Y-86).

BLOW RIVER SOURCES

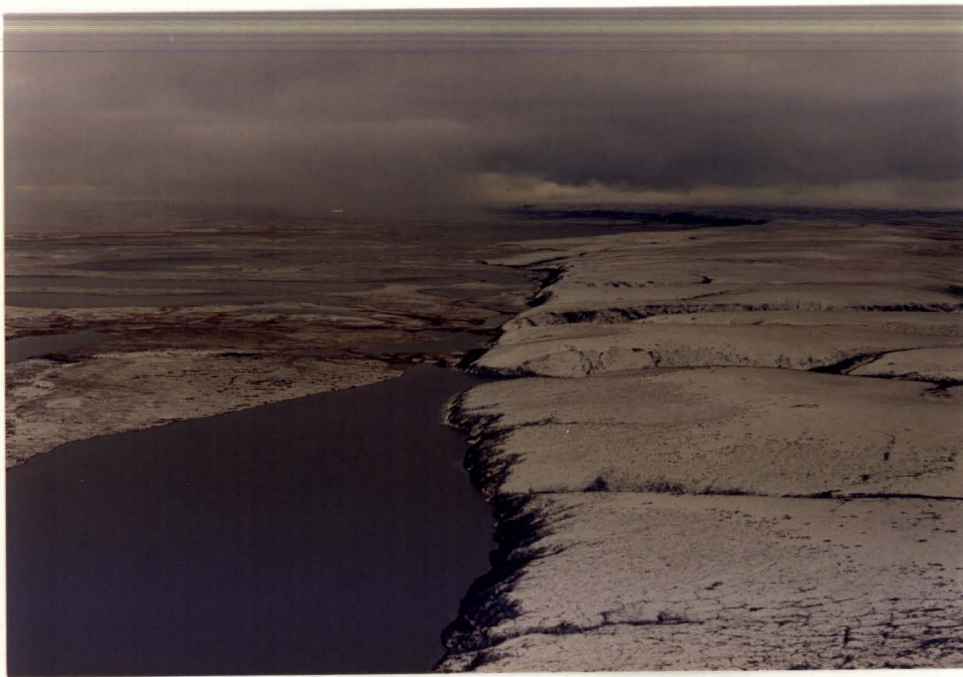


Frame 4-14. Looking southeast along coast (HARDY Y-93).



Frame 4-15. Looking northwest along coast (HARDY Y-93).

BLOW RIVER SOURCES

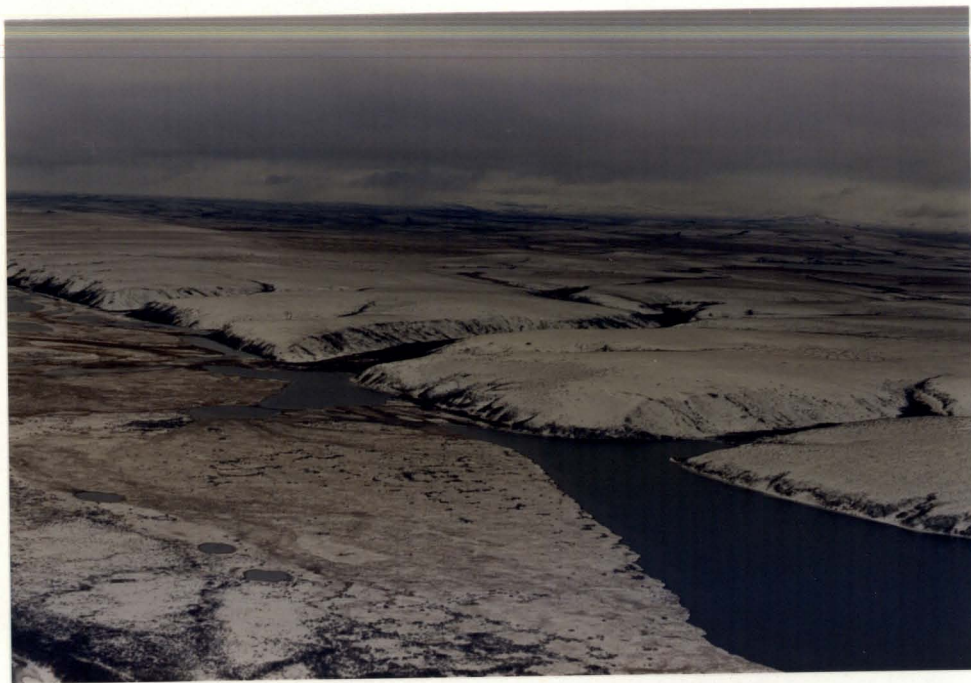


Frame 5-3. Looking southeast along coast (HARDY Y-93).



Frame 5-4. Looking southeast along coast (HARDY Y-93).

BLOW RIVER SOURCES



Frame 5-5. Looking southeast along coast (HARDY Y-93).



Frame 5-6. Slumping banks in source Y-93.

BLOW RIVER SOURCES



Frame 5-7. Looking north along Blow River near coast.



Frame 5-8. Silty gravel exposure along Blow River near coast line.

BLOW RIVER SOURCES

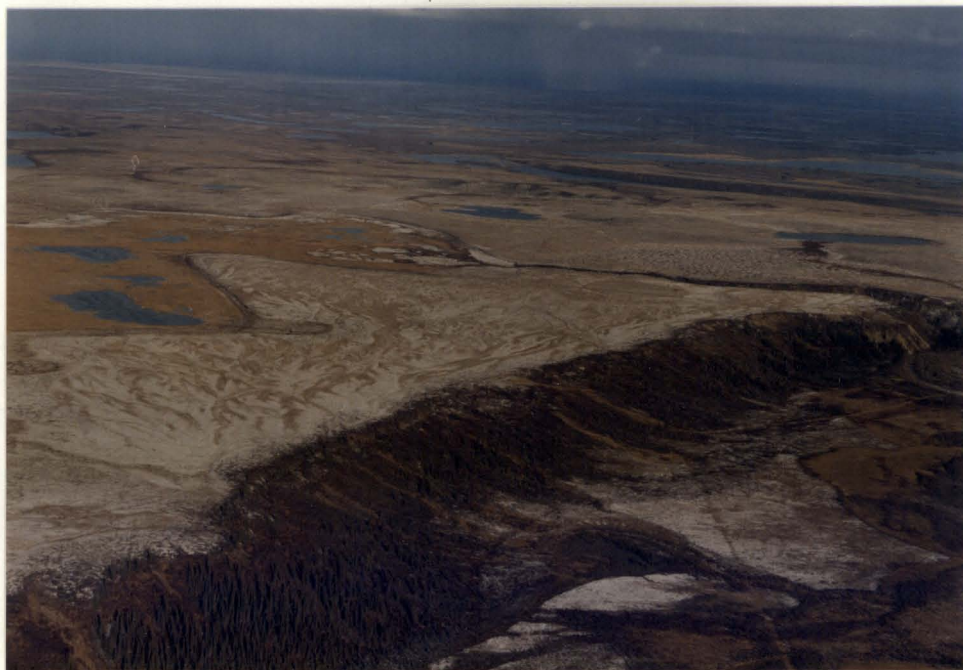


Frame 5-9. Looking south along Blow River from near coast line.

WILLOW RIVER SOURCE AREA



Frame 1-6. Looking east over complete source area. Willow River valley is on south side of photo.



Frame 1-7. Looking northeast over Willow River valley at source area.

WILLOW RIVER SOURCE AREA

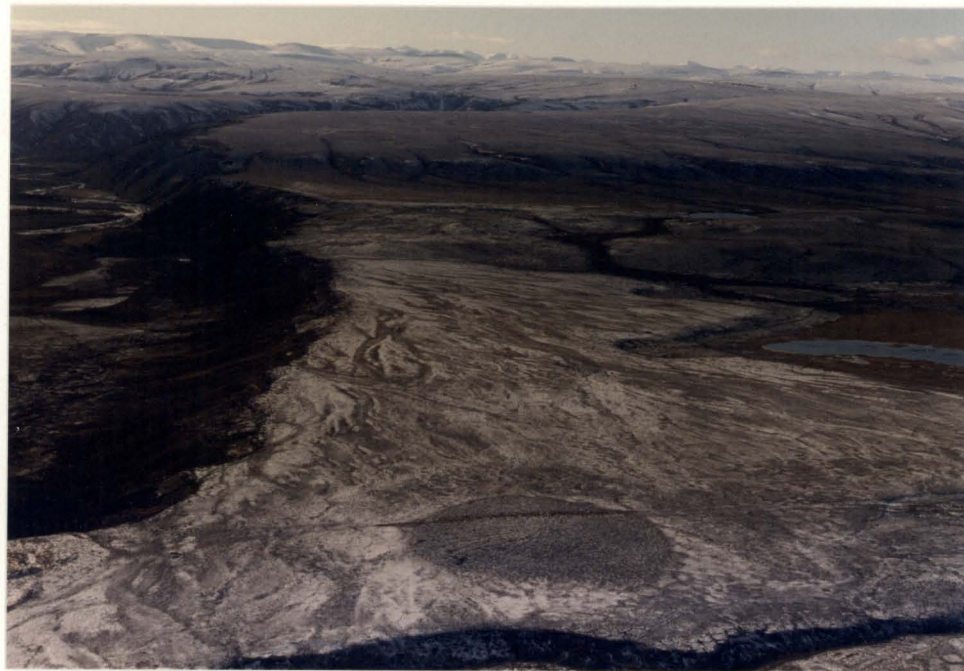


Frame 1-8. Looking north. Part of source on side of photo is slightly higher in elevation than remainder of source not covered by photo on east side.

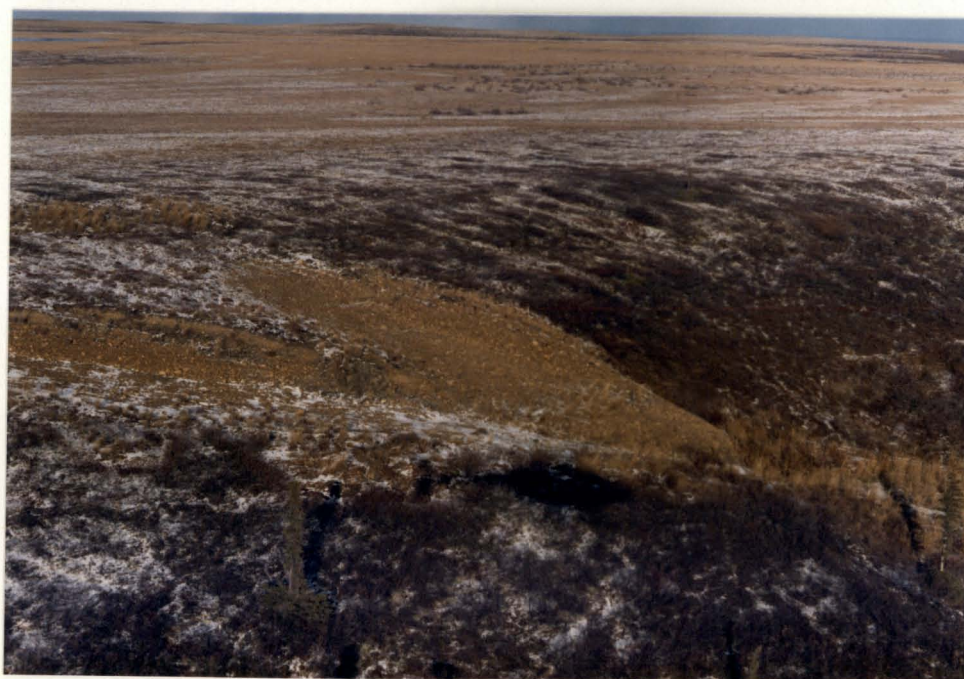


Frame 1-9. Looking west over source area.

WILLOW RIVER SOURCE AREA

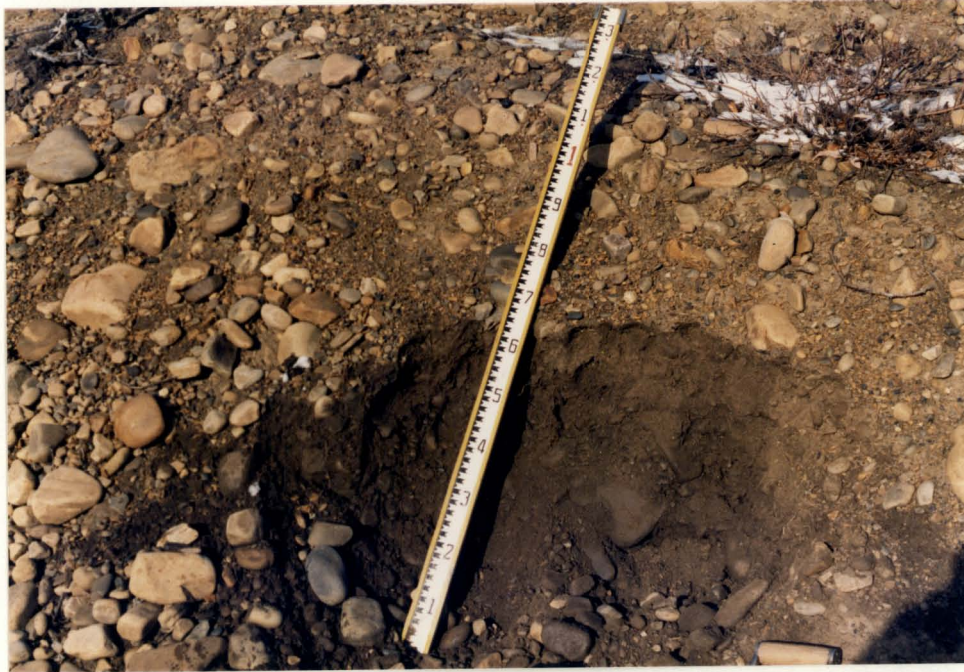


Frame 1-10. Looking west over source area.



Frame 1-11. Bulldozer trench cut in top of valley slope.

WILLOW RIVER SOURCE AREA



Frame 1-12. Close up of gravel exposure in area sampled.



Frame 1-13. Close up of gravel exposure in area sampled.

WILLOW RIVER SOURCE AREA



Frame 1-14. View of bulldozer trench in sampling area.



Frame 1-15. View of bulldozer trench.

WILLOW RIVER SOURCE AREA



Frame 1-16. Looking west along the escarpment from bulldozer trench area.



Frame 1-17. Looking east along escarpment from bulldozer trench area.

WILLOW RIVER SOURCE AREA



Frame 1-18. Another exposure of gravel sampled in bulldozer trench area.



Frame 1-19. Looking east along escarpment.

WILLOW RIVER SOURCE AREA



Frame 1-20. Looking west along Willow River valley.



Frame 1-21. Exposure just below top of valley slope. Overburden up to 0.6 m in thickness. Sample also taken at this location.

WILLOW RIVER SOURCE AREA



Frame 1-22. Scarp of flow slide towards east end of source. Note thin silt seams in exposure. Scarp 8 to 10 m high.

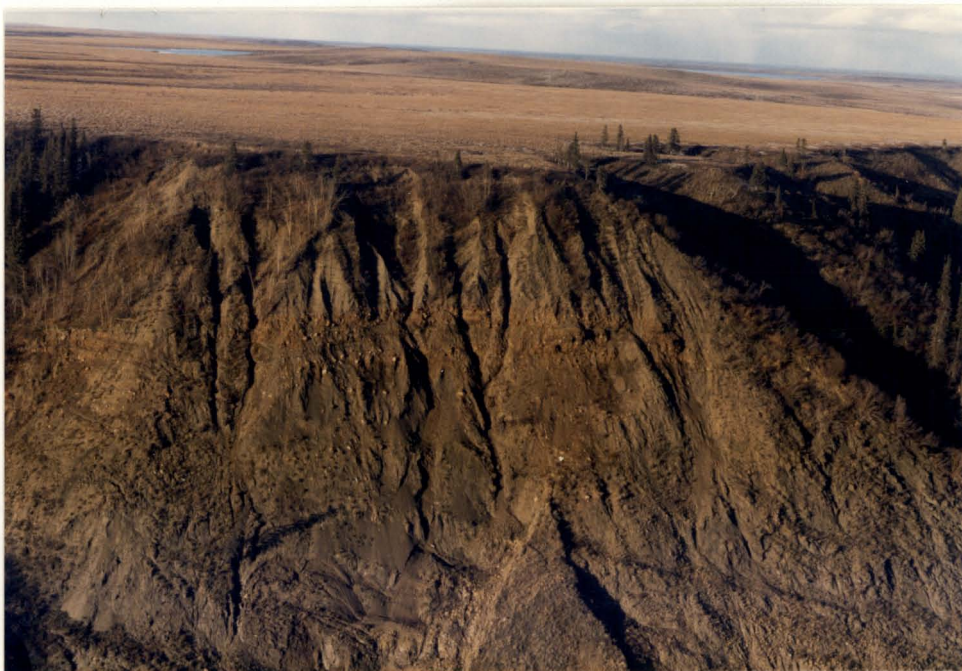


Frame 1-23. Looking south along length of shallow landslide area below scarp.

WILLOW RIVER SOURCE AREA

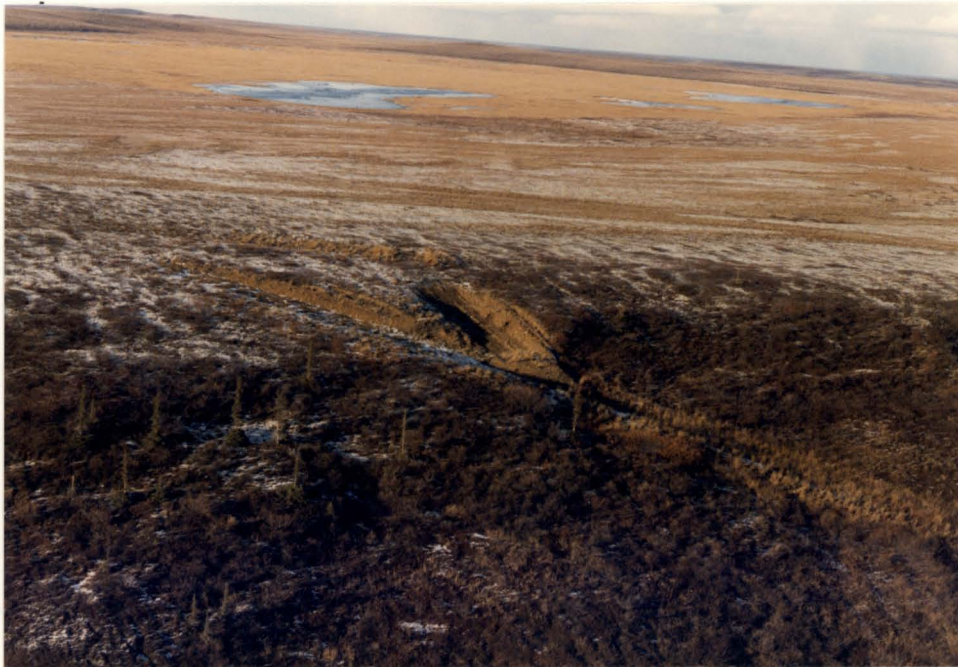


Frame 1-24. Looking at Scarp area from east side.



Frame 2-2. View of exposure in slope at west end of source. Overburden is thicker & fine sand and silt layers are present.

WILLOW RIVER SOURCE AREA



Frame 2-3. Bulldozer trench area where samples were taken.



Frame 2-4. Exposure along escarpment. Samples also taken from this area.

WILLOW RIVER SOURCE AREA



Frame 2-5. Small landslide area.



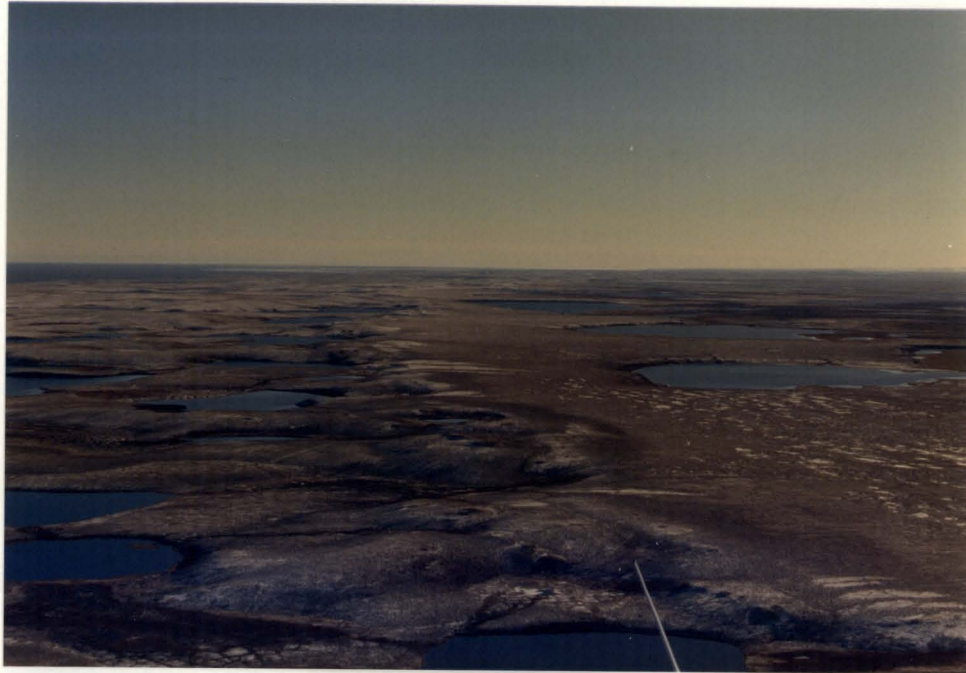
Frame 2-6. Gravel extraction area at east end of source.

WILLOW RIVER SOURCE AREA

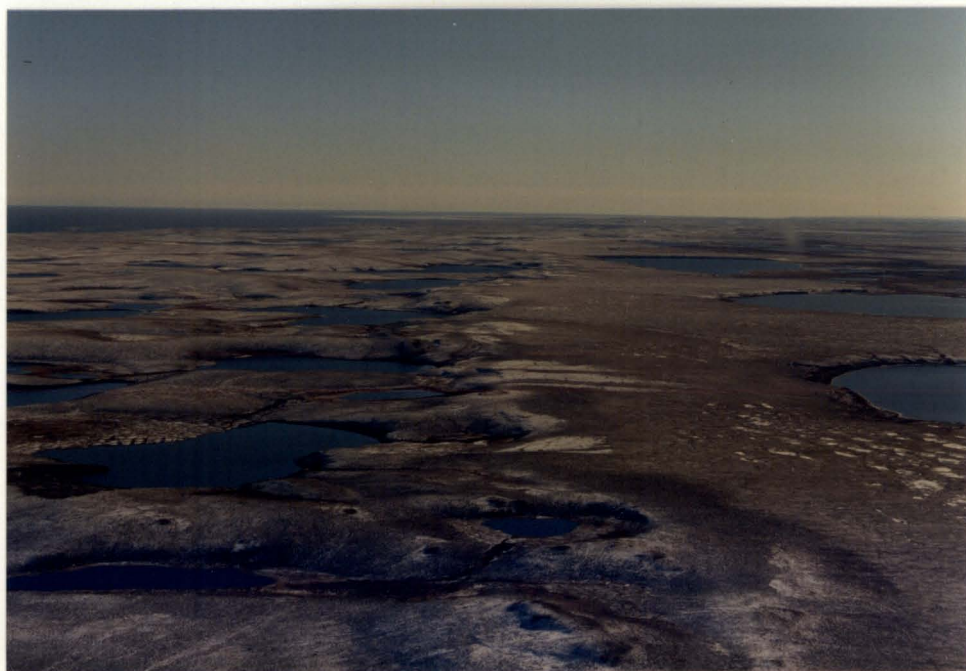


Frame 2-7. Willow River valley between gravel source and delta

JACOBS RIDGE SOURCE AREA



Frame 3-13. Looking southeast along ridge.



Frame 3-14. Looking southeast along ridge.

JACOBS RIDGE SOURCE AREA



Frame 3-15. Looking southeast about half way along length of source.



Frame 3-16. Sample area taken from helicopter.

JACOBS RIDGE SOURCE AREA

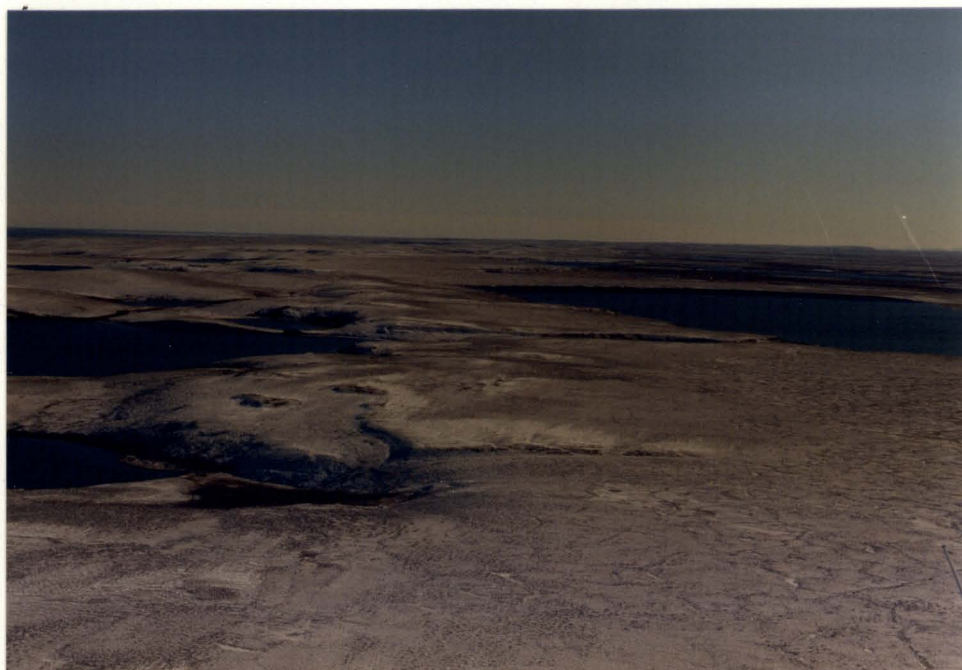


Frame 3-17. On top of sample area.



Frame 3-18. Close up of gravel sampled.

JACOBS RIDGE SOURCE AREA



Frame 3-19. Looking at Jacobs Lake on right of photo.



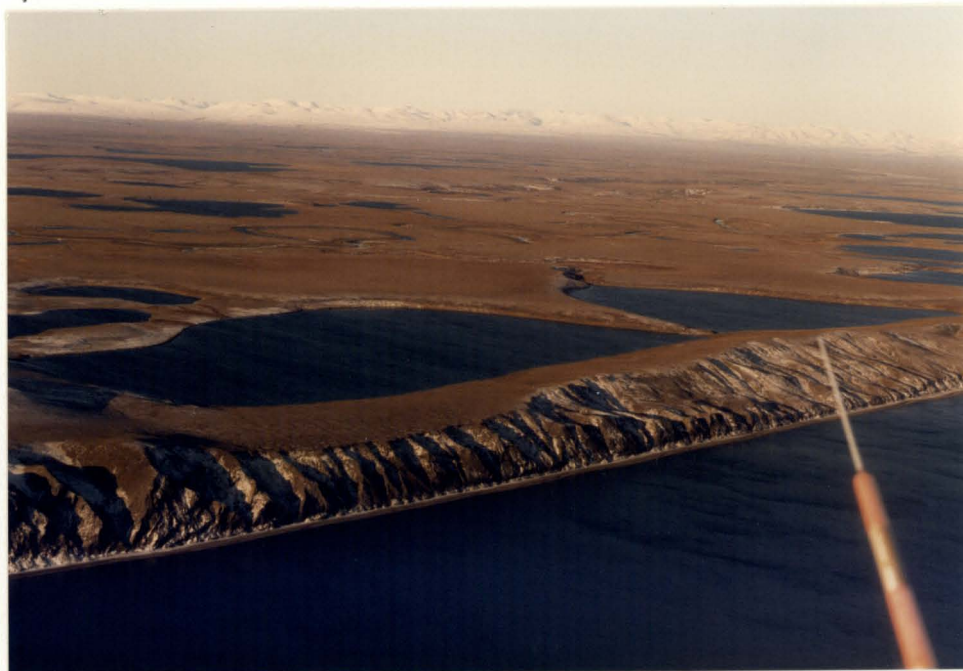
Frame 3-20. Exposures in Jacobs Lake.

JACOBS RIDGE SOURCE AREA

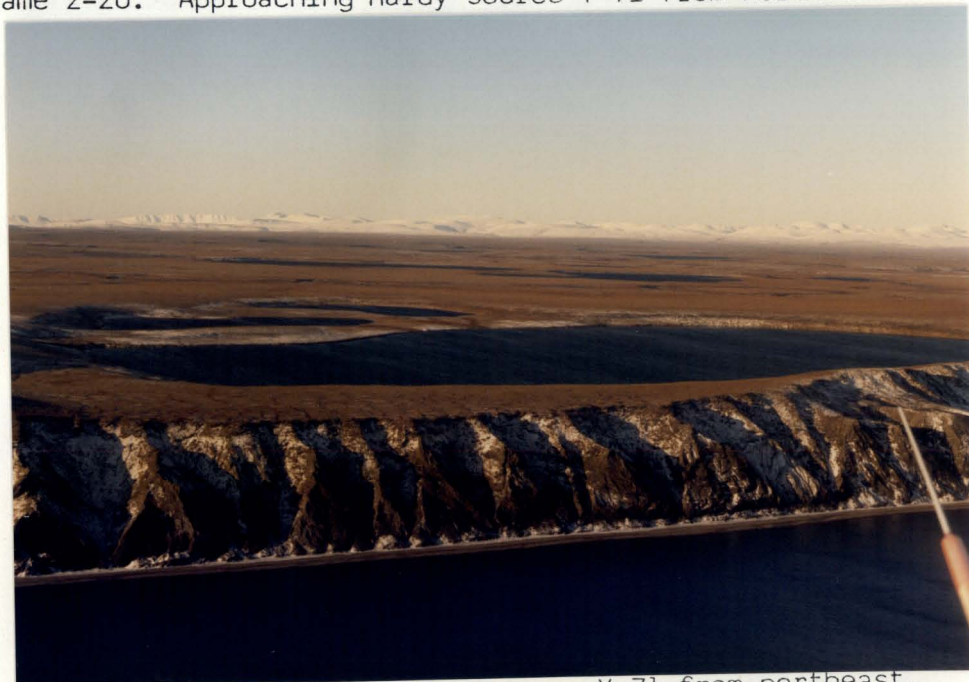


Frame 3-21. Exposures in Jacobs Lake.

KING POINT SOURCE AREA

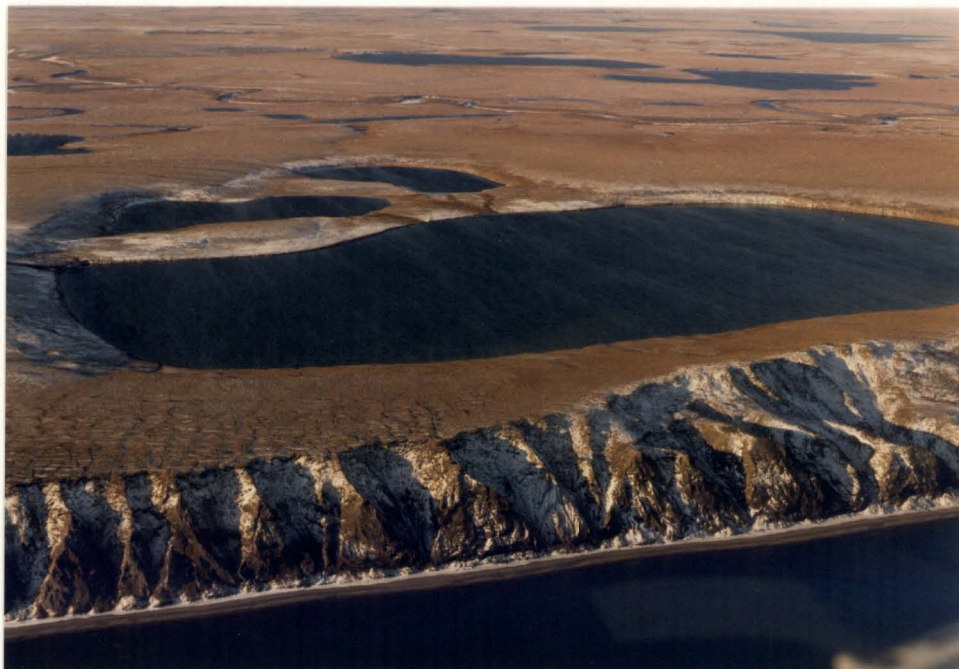


Frame 2-20. Approaching Hardy source Y-71 from northeast.



Frame 2-21. Approaching Hardy source Y-71 from northeast.

KING POINT SOURCE AREA



Frame 2-22. Approaching Hardy source Y-71 from northeast.



Frame 2-23. View of King Point Bar looking southeast (HARDY Y-71).

KING POINT SOURCE AREA



Frame 2-24. Typical exposure of fine gravel, silt & sand deposits in Y-71.



Frame 2-25. Typical coarse gravel deposits in exposure along shore line in Y-71.

KING POINT SOURCE AREA



Frame 3-0. Looking southeast along beach opposite King Point source.



Frame 3-1. Looking northeast across south end of King Point source

KING POINT SOURCE AREA



Frame 3-2. Looking west across south end of King Point source.



Frame 3-3. Looking west along King Point source

KING POINT SOURCE AREA



Frame 3-4. Looking west along King Point source.

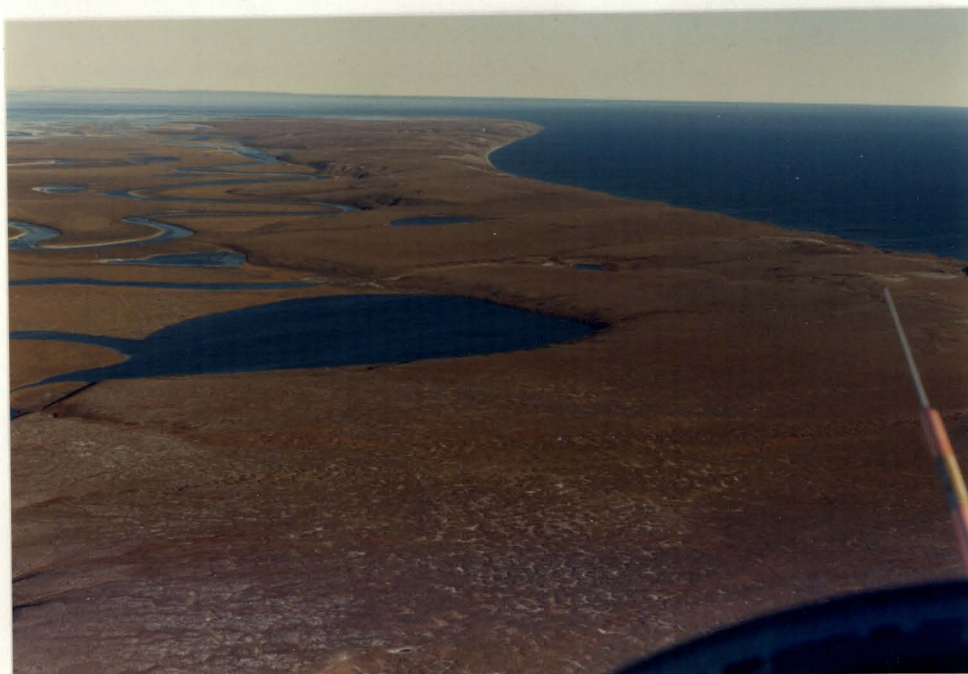


Frame 3-5. Looking northwest across King & Kay Point (HARDY Y-62).

KING POINT SOURCE AREA

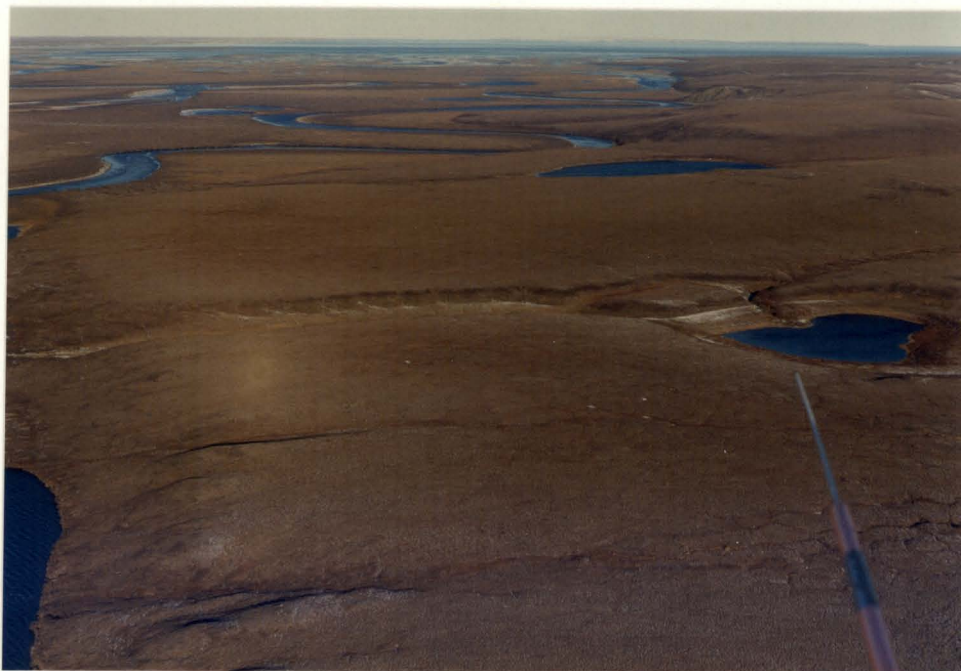


Frame 3-6. Looking northwest across source (HARDY Y-62).



Frame 3-7. At north end of source (HARDY Y-62).

KING POINT SOURCE AREA



Frame 3-8. At North end of source (HARDY Y-62).



Frame 3-9. Exposure along gully at north end of source (HARDY Y-62).

KING POINT SOURCE AREA



Frame 3-10. Looking east across east end of source (HARDY Y-62).



Frame 3-11. Sample area in bank (HARDY Y-62).

KING POINT SOURCE AREA



Frame 3-12. Sample area in bank (HARDY Y-62).