
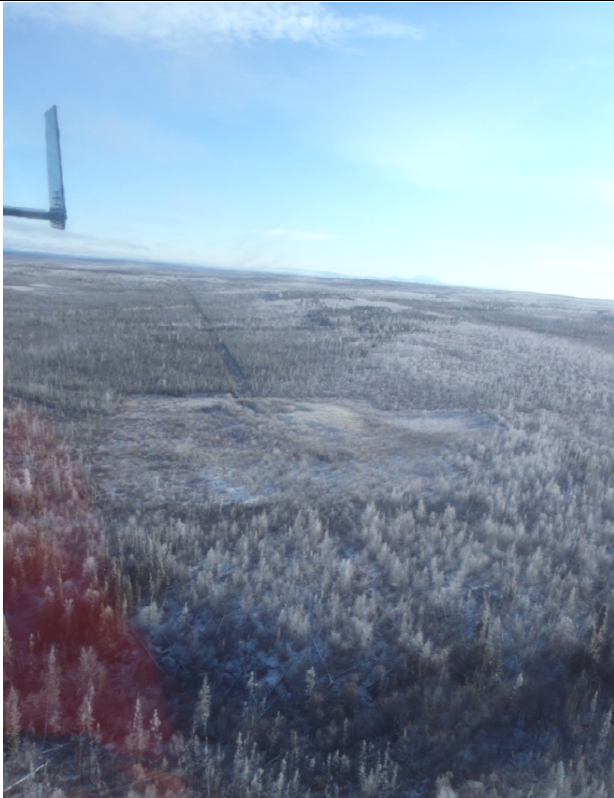




PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita		Project No. 60224909
Photo No. 1	Date: Oct 15, 2011			
Direction Photo Taken: Northwest				
Description: Ponding along seismic line connecting Campsite 2 to MacKenzie River.				
Photo No. 2	Date: Oct 15, 2011			
Direction Photo Taken: East				
Description: Site A.				

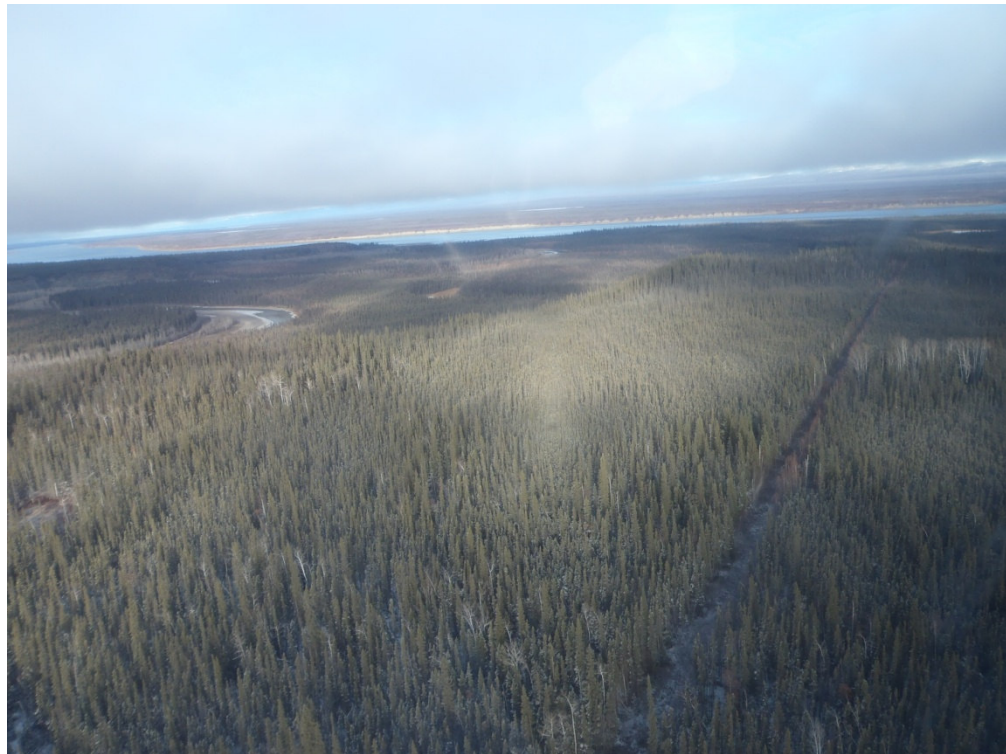
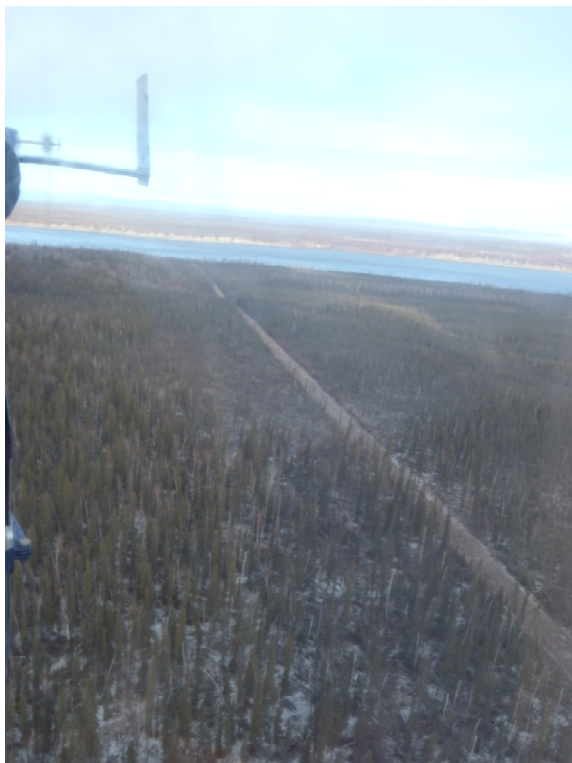
PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita	Project No. 60224909
Photo No. 3	Date: Oct 15, 2011		
Direction Photo Taken:			
Description: Seismic line connecting MacKenzie River and Campsite #2			
Photo No. 4	Date: Oct 15, 2011		
Direction Photo Taken: North			
Description: Seismic line leading to campsite #2 meeting MacKenzie River.			



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita	Project No. 60224909
Photo No. 5	Date: Oct 15, 2011		
Direction Photo Taken: Northwest			
Description: Seismic line, Little Bear River, and MacKenzie River in the distance.			
Photo No. 6	Date: Oct 15, 2011		
Direction Photo Taken: North			
Description: Seismic Line connecting MacKenzie River and site B.			



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita	Project No. 60224909
Photo No. 7	Date: Oct 15, 2011		
Direction Photo Taken:			
North			
Description:			
Seismic Line providing access to site A; old Road.			
Photo No. 8	Date: Oct 15, 2011		
Direction Photo Taken:			
West			
Description:			
Little Bear delta at MacKenzie River; photograph taken from approximate location of staging area.			

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita	Project No. 60224909
Photo No. 8	Date: Oct 15, 2011		
Direction Photo Taken:			
Description: Seismic line East of Little Bear River.			
Photo No. 10	Date: Oct 15, 2011		
Direction Photo Taken:			
Description: Switch-back in old road next to Little Bear River to provide drop in elevation.			

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
11

Date:
Oct 15,
2011

Direction Photo Taken:

Northwest

Description:

Wetlands along seismic line connecting MacKenzie River and site B.

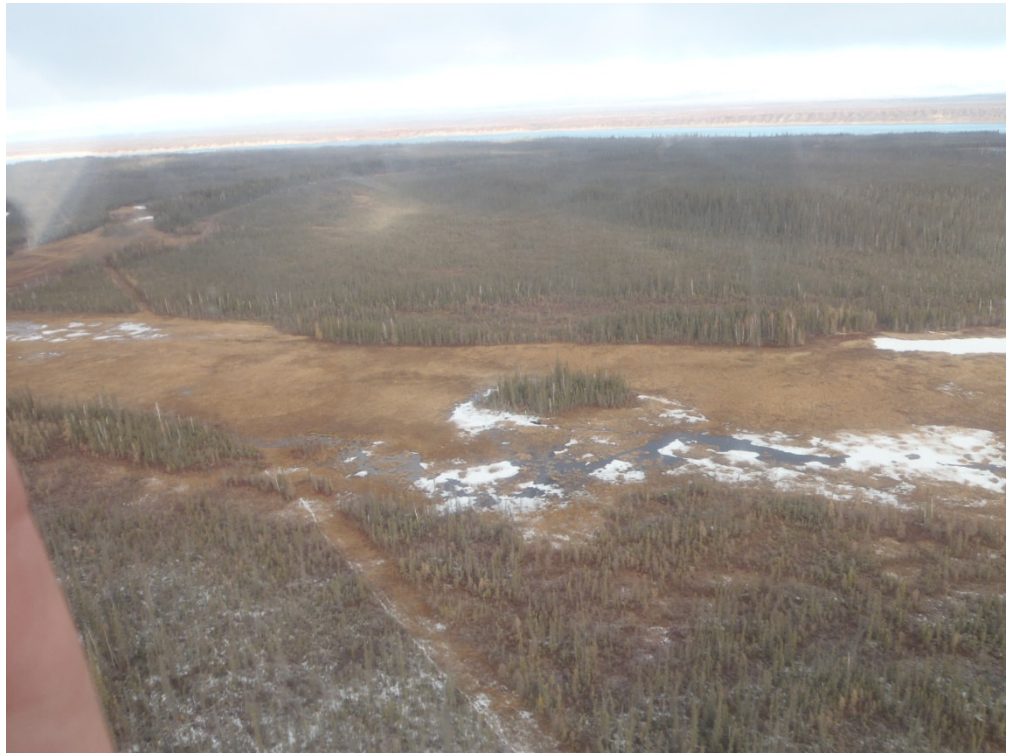


Photo No.
12

Date:
Oct 13,
2011

Direction Photo Taken:

Description:

Access road to Site B.



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
1

Date:
Oct 12,
2011

Direction Photo
Taken:

North

Description:

Area of Interest - North.



Photo No.
2

Date:
Oct 12,
2011

Direction Photo
Taken:

Northeast



Description:

Area of Interest - North
looking toward near-by
ravine.





PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita		Project No. 60224909
Photo No. 3	Date: Oct 12, 2011			
Direction Photo Taken: East				
Description: Black spruce stand East Area of Interest - North.				
Photo No. 4	Date: Oct 12, 2011			
Direction Photo Taken:				
Description: Area of Interest - North: 64° 46' 42.0" 125 ° 43' 16.5" "NORTH ROCK RESOURCES NORTH McKAY I-77"				

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita	Project No. 60224909
Photo No. 5	Date: Oct 12, 2011		
Direction Photo Taken: Northeast			
Description: Old burn area with new re-growth Area of Interest - North			
Photo No. 6	Date: Oct 12, 2011		
Direction Photo Taken: Southwest			
Description: Area of Interest - North from helicopter.			

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
7

Date:
Oct 12,
2011

**Direction Photo
Taken:**

Description:

Two moose spotted from
helicopter Area of Interest
- North



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
1

Date:
Oct 13,
2011

Direction Photo
Taken:

Description:

Wetland at Area of
Interest - South; helicopter
attempted to land but sank
into the soft ground.



Photo No.
2

Date:
Oct 13,
2011

Direction Photo
Taken:

Northwest



Description:

Southwest corner of Area
of Interest - South looking
toward the centre of the
site.



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita		Project No. 60224909
Photo No. 3	Date: Oct 13, 2011			
Direction Photo Taken: Northwest				
Description: Area of Interest - South showing the larger trees proximate a small creek.				
Photo No. 4	Date: Oct 13, 2011			
Direction Photo Taken: Southeast				
Description: Area of Interest - South toward the centre of the site.				

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
5

Date:

Direction Photo
Taken:

Northwest

Description:

Area of Interest - South
toward a creek.



Photo No.
6

Date:

Direction Photo
Taken:

North

Description:

Area of Interest - South



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
7

Date:
Oct 13,
2011

Direction Photo
Taken:

Description:

Fresh moose tracks Area
of Interest - South



Photo No.
8

Date:
Oct 13,
2011

Direction Photo
Taken:



Description:

Wet conditions at Area of
Interest - South



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita		Project No. 60224909	
Photo No. 1	Date: Oct 15, 2011				
Direction Photo Taken:					
North					
Description:					
Photograph taken from centre of campsite #2.					
Photo No. 2	Date: Oct 15, 2011				
Direction Photo Taken:					
South					
Description:					
Photograph taken from centre of campsite #2.					

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
3

Date:
Oct 15,
2011

Direction Photo
Taken:

North

Description:

Campsite #2, next to
seismic line with road in
the distance.



Photo No.
4

Date:
Oct 15,
2011

Direction Photo
Taken:

East

Description:

Road Northeast of
campsite #2.



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
5

Date:
Oct 15,
2011

**Direction Photo
Taken:**

West

Description:

View of intersection of
seismic line and road from
the air.



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
1

Date:
Oct 11,
2011

Direction Photo
Taken:

East

Description:

This photo was from the helicopter showing the Little Bear River flowing into the Mackenzie River and the staging area in the distance



Photo No.
2

Date:
Oct 12,
2011

Direction Photo
Taken:

North

Description:

Centre of Staging area
toward the Mackenzie
River.



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
3

Date:
Oct 12,
2011

Direction Photo
Taken:

Southwest

Description:

Northwest of Staging
area.



Photo No.
4

Date:
Oct 12,
2011

Direction Photo
Taken:



Description:

Dense gravelly, cobbly
sand encountered at
Staging area.



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita	Project No. 60224909
Photo No. 5	Date: Oct 12, 2011		
Direction Photo Taken: Northwest			
Description: Southwest of Staging Area.			
Photo No. 6	Date: Oct 12, 2011		
Direction Photo Taken: Northeast			
Description: Southwest of Staging area toward centre of site.			

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita		Project No. 60224909
Photo No. 7	Date: Oct 12, 2011			
Direction Photo Taken: West				
Description: Northeast of Staging area toward centre of site.				
Photo No. 8	Date: Oct 12, 2011			
Direction Photo Taken: West				
Description: Access road West of Staging area from Staging area.				

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita		Project No. 60224909
Photo No. 8	Date: Oct 12, 2011			
Direction Photo Taken: North				
Description: Staging area toward MacKenzie River; view from next to trailer at site.				
Photo No. 10	Date: Oct 12, 2011			
Direction Photo Taken: Northwest				
Description: Staging Area.				

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
1

Date:
Oct 11,
2011

Direction Photo
Taken:

East

Description:

Bull moose spotted from
helicopter on Windy Island
en route from Norman
Wells to Tulita.



Photo No.
2

Date:
Oct 11,
2011

Direction Photo
Taken:

North



Description:

This photo was taken en
route from Norman Wells
to Tulita and shows ponds
North of the Mackenzie
River. These ponds are
typical of the water bodies
found throughout the site.



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita		Project No. 60224909
Photo No. 3	Date: Oct 11, 2011			
Direction Photo Taken: Southeast				
Description: This photo shows the slump scars typical of the North shore of the Mackenzie River East of the proposed crossing.				
Photo No. 4	Date: Oct 15, 2011			
Direction Photo Taken: Northwest				
Description: Little Bear Delta				

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
5

Date:
Oct 15,
2011

Direction Photo
Taken:

North

Description:

Little Bear Delta



Photo No.
6

Date:

Direction Photo
Taken:

South



Description:

Little Bear Delta showing
steep banks upstream that
are sensitive to erosion.



PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project		Site Location: Near Tulita		Project No. 60224909	
Photo No. 7	Date:				
Direction Photo Taken: Northeast					
Description: MacKenzie River at Little Bear Delta; shows slump scars on North shore of MacKenzie River.					
Photo No. 8	Date: Oct 12, 2011				
Direction Photo Taken:					
Description: Bear Rock					

PHOTOGRAPHIC LOG



Site Name: Tulita Shale Drilling Project

Site Location: Near Tulita

Project No.
60224909

Photo No.
9

Date:
Oct 11,
2011

Direction Photo
Taken:

Description:

Bear Rock

