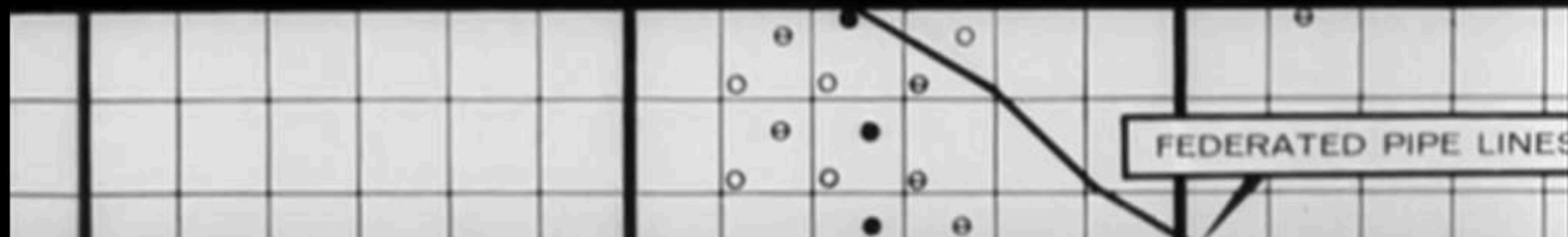


Visual Culture & the Mining Industry

Popular Earth Science, Extraction, and Sustainability



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April 14, 2021

Inuit of Nunatsiavut

Southern Inuit of
NunatuKavut

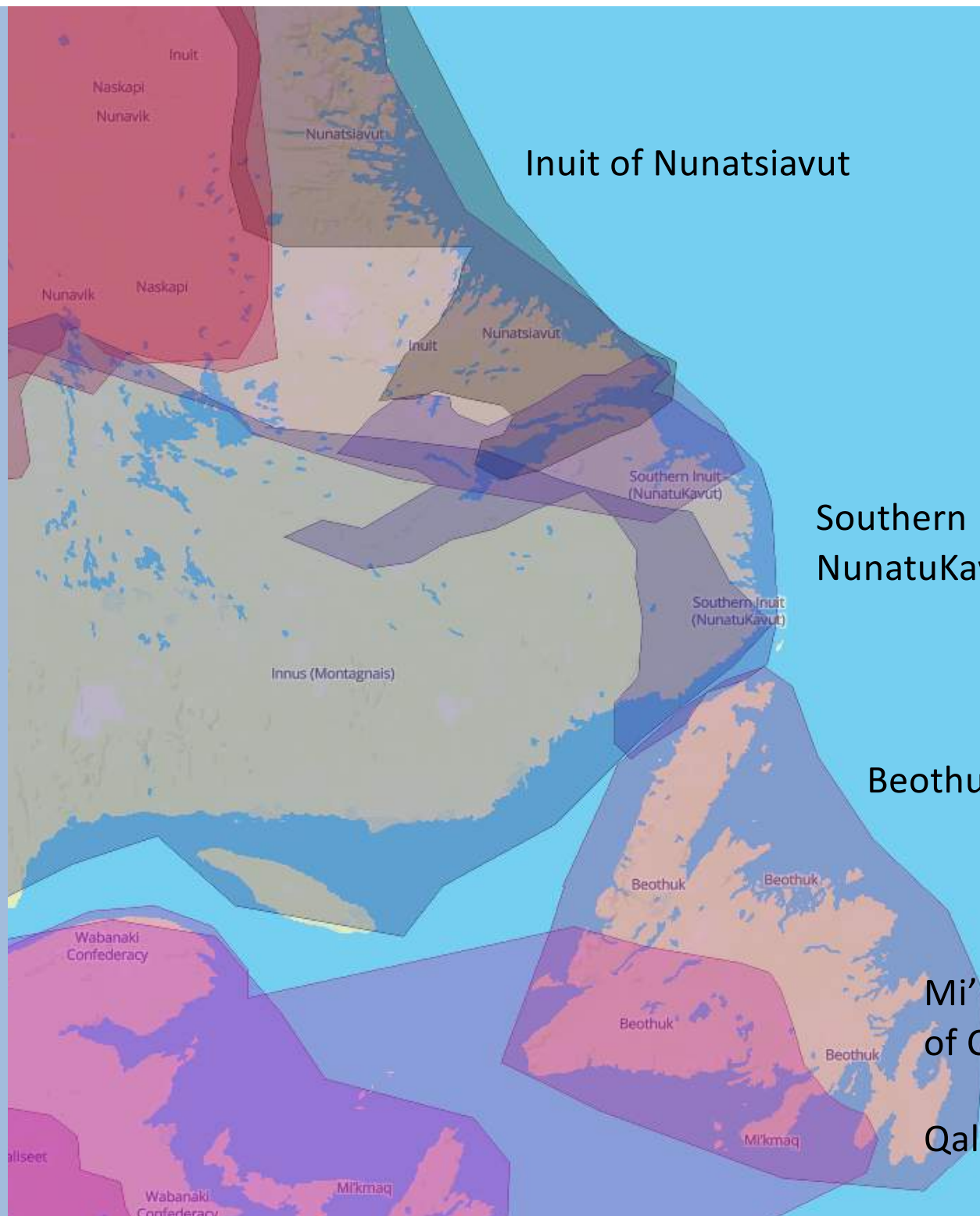
Beothuk

Mi'kmaq First Nation
of Conne River

Qalipu Mi'kmaq

Innu Nation of
Nitassinan

Source:
native-land.ca



Cinemas of Extraction

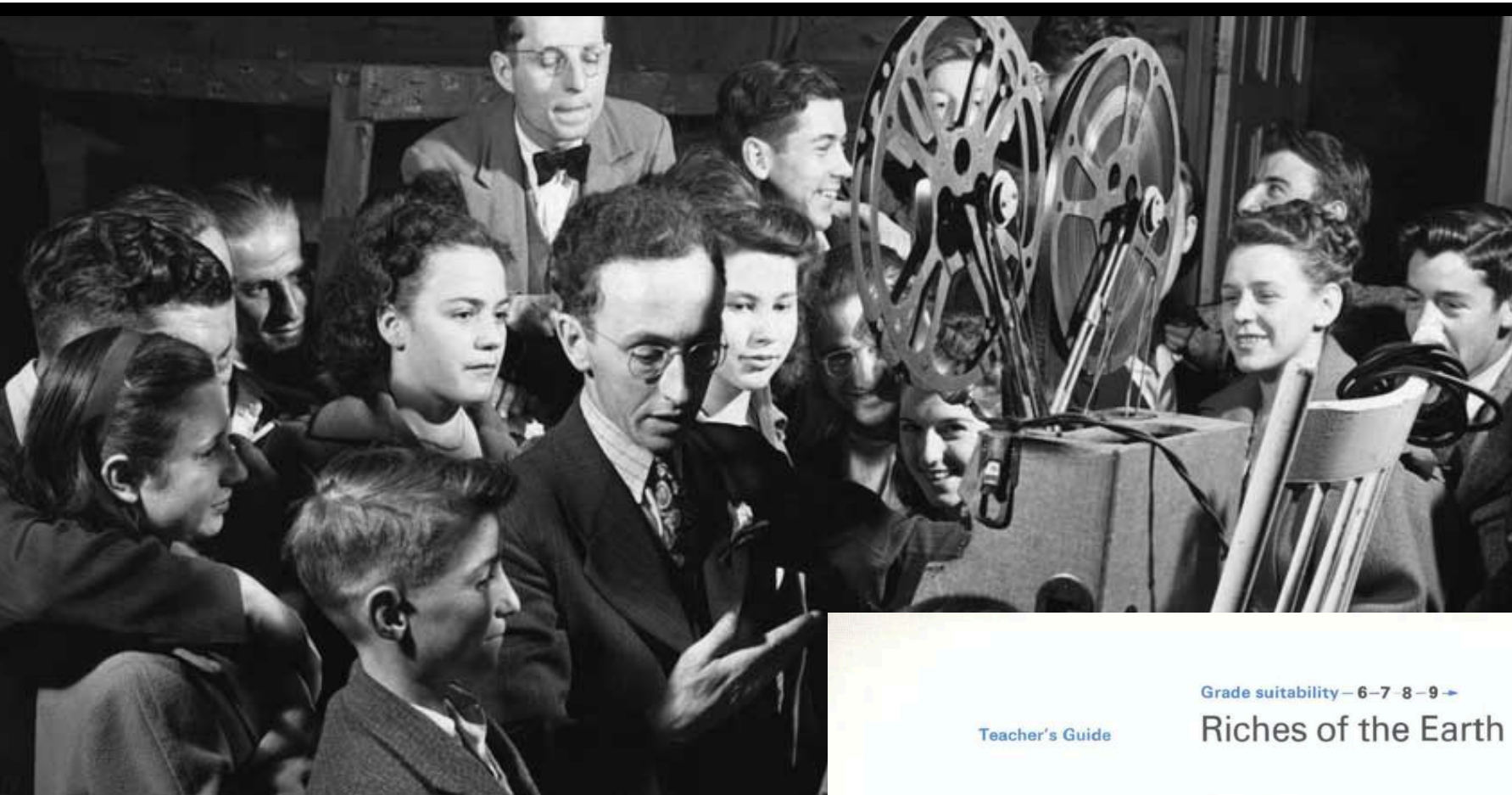


Photo credit: NFB

Teacher's Guide

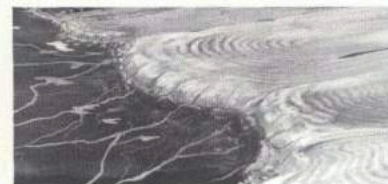
Grade suitability — 6-7 8-9 →

Riches of the Earth

16mm Color
Screening Time: 16 min. 18 sec.

The film

The film deals with the geological events responsible for the physical landforms of North America. The emphasis is placed on those events which have led to human activity in the present time, the creation of natural resources. Although physical geography is the visual theme, aspects of human geography are implicit in the film.



Classroom Activities - a few suggestions

- Before viewing, discuss some of the words used in the film:

molecule	folding	pressure
erosion	cross-section	warping
crystallization	super-heated	seam
faulting	water	veins
silt	organic material	sediments
microscopic creatures	moraine	
- Make models of the earth's crust. Illustrate various land forms: coastline; mountain ranges; river deltas; alluvial fans.
- Chart a section of the earth's crust showing mineral deposits in the underlying rock.
- Illustrate features of the crust using simple material:

metamorphic rock	magma
<i>fine textured red sponge</i>	<i>red aquarium gravel</i>
limestone	sill
<i>coarse blue sponge</i>	<i>black gravel</i>
sandstone	hot springs
<i>sandpaper streaked with crayons</i>	<i>clear plastic and cotton</i>
- Make simple cross-sectional models to illustrate:

folding	faulting	warping
---------	----------	---------

 ...using plaster of paris, asbestos, salt and flour, plasticine or modelling clay.
- Do research on mining methods and illustrate various types of mining in pictorial form, or make scale models of open-pit and shaft mines.
- Using a sand tray, make a model of a mountain. Illustrate what happens when water is poured onto it. Pupils draw conclusions and find examples of this in their community.

Cinemas of Extraction

The cooperation of
THE ROYAL CANADIAN AIR FORCE
THE DEPARTMENT OF TRANSPORT
SPARTAN AIR SERVICES
WELLAND PHIPPS, PILOT
made this film possible

This image shows a film credit sequence with a background of wavy, horizontal stripes in shades of green, yellow, and brown. The text is centered and reads: "The cooperation of THE ROYAL CANADIAN AIR FORCE THE DEPARTMENT OF TRANSPORT SPARTAN AIR SERVICES WELLAND PHIPPS, PILOT made this film possible".

An
IMPERIAL OIL
Film

This image shows a film credit sequence with a circular frame. Inside the circle, there are silhouettes of oil derricks against a dark, textured background. The text "An IMPERIAL OIL Film" is overlaid in the center, with "An" and "Film" in a script font and "IMPERIAL OIL" in a bold, sans-serif font.

The Producers acknowledge
the assistance of
PANARCTIC OILS LIMITED

This image shows a film credit sequence with a background of a person in a dark jacket standing with arms outstretched on a snowy or icy landscape. The text is in the upper right corner and reads: "The Producers acknowledge the assistance of PANARCTIC OILS LIMITED".

SEARCH INTO WHITE SPACE
A NATIONAL FILM BOARD
OF CANADA PRODUCTION
in co-operation with the
DEPARTMENT OF INDIAN AFFAIRS
AND NORTHERN DEVELOPMENT

© NATIONAL FILM BOARD OF CANADA MCMXXI

Film credit sequences in *The Face of the High Arctic* (1958),
Underground East (1953), and *Search into White Space* (1970)

Popular Science Films

- Scientific Discourses about Canadian Physical Geography & Geology
- Social Dimensions of Mining and Extractive Industry



Photo credit: NFB

Oil and Mining Films Produced by the National Film Board

Department of Mines and Resources

Patrol to the Northwest Passage (1937)

The Great Canadian Shield (1945)

Geological Survey of Canada

Riches of the Earth (Revised) (1966)

Department of Indian Affairs and Northern Development

The North Has Changed (1967)

The Accessible Arctic (1967)

Search into White Space (1970)

Energy, Mines and Resources Canada

Ressources sous-marines (Offshore, 1973)

I. Canada as a Nation of Resources via Geology



The Great Canadian Shield (1945)
Produced by Laurence Hyde
National Film Board with the Dept. of Mines and Resources



The Face of the High Arctic (dir. Dalton Muir, 1958)
Produced by the Science Film Unit of the National Film Board



The Face of the High Arctic (1958)



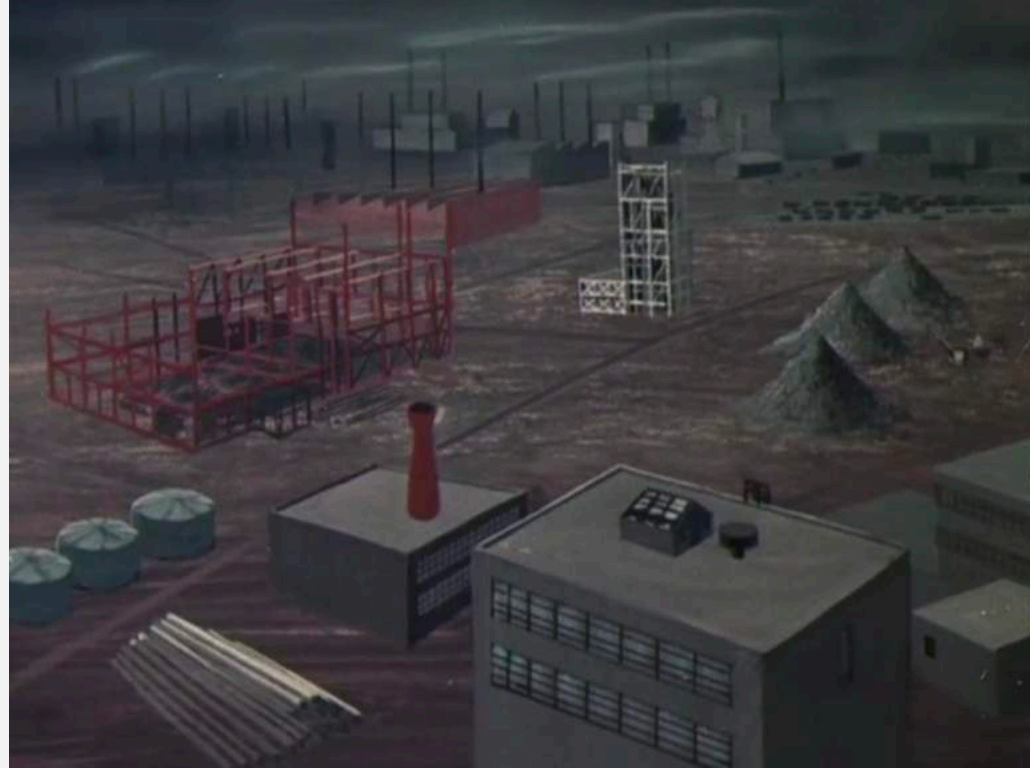
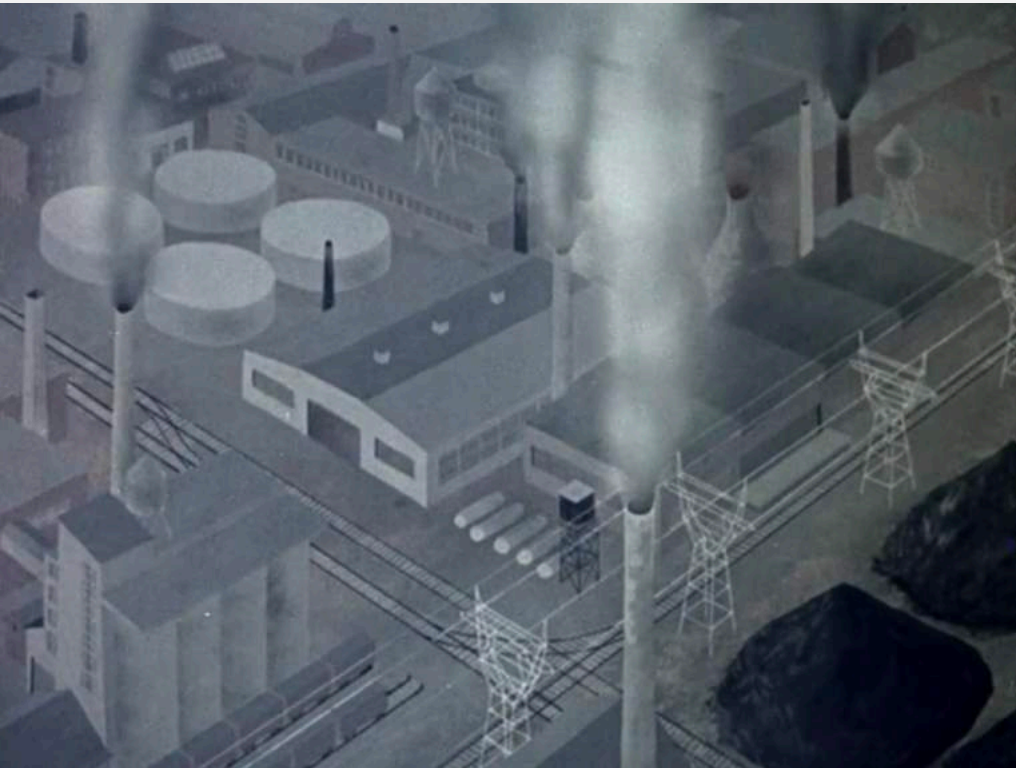


The Face of the High Arctic (1958)



Riches of the Earth (Revised) (dir. Colin Low, 1966)

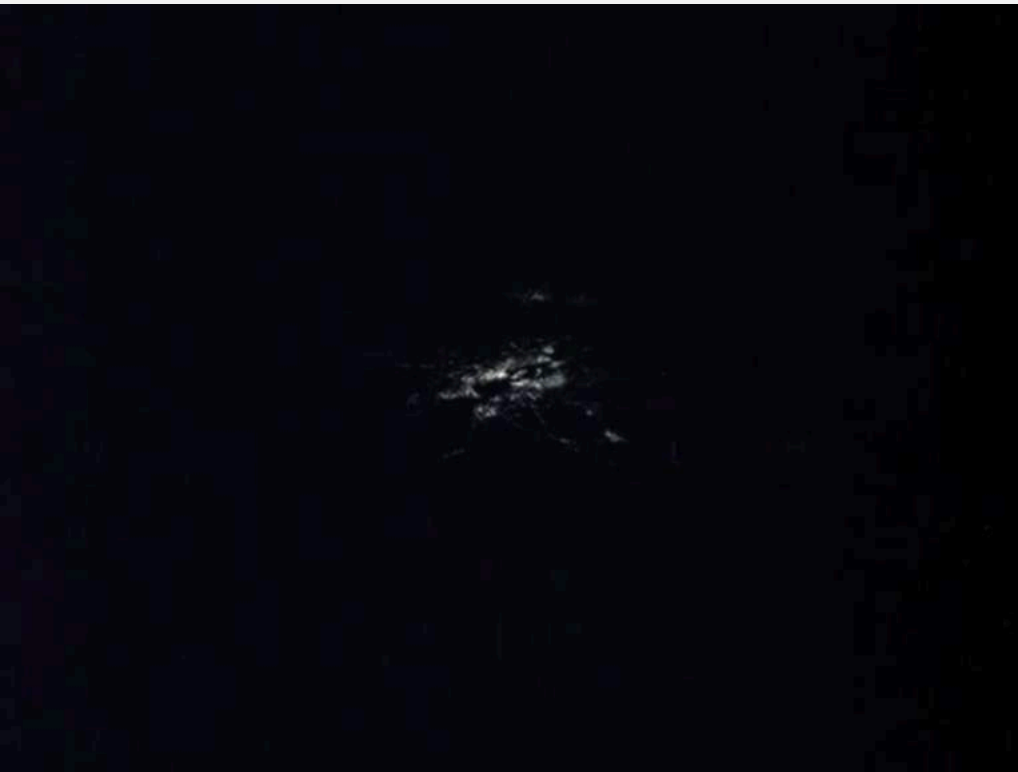
National Film Board with assistance from the Geological Survey of Canada



Riches of the Earth (Revised) (dir. Colin Low, 1966)



Riches of the Earth (Revised) (dir. Colin Low, 1966)



Riches of the Earth (Revised) (dir. Colin Low, 1966)

II. “Progress” and the Social Dimensions of Extractive Industry



The North Has Changed (Produced by David Bairstow, 1967)
National Film Board and the Dept. of Indian Affairs and Northern Development



The North Has Changed (1967)



Search into White Space (dir. James Carney, 1970)

National Film Board and the Dept. of Indian Affairs and Northern Development



Search into White Space (1970)



Search into White Space (1970)

Conclusion:

Film as a Cultural History of Sustainability



Know Your Resources (dir. David A. Smith, 1950)



The Face of the High Arctic (1958)



Search into White Space (1970)

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THE GATEWAY TO THE GRAND BANKS
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