

Figure 3.4-5: End Lake Borehole Grid

IV CONCLUSIONS

During this short field program COGEMA Resources Inc. Exploration, Environment and Health and Safety Departments were able to complete most of the tasks listed in the 2002 report (see Table of Tasks done and Tasks not done, following).

There are no remaining radiological concerns generated by exploration activities, and the radioactive cores exceeding 1 $\mu\text{Sv/h}$ are now only found at the new Kiggavik fenced core compound.

Drill collars have also been remediated at Andrew Lake and End Grid sites and there are no readings exceeding 1 $\mu\text{Sv/h}$.

Not all tasks were completed in 2003 due to time and equipment constraints. These tasks include:

a) *at the end of the 2004 winter:*

- Move all the Delta loads from Andrew Lake site and the Kiggavik camp to Baker Lake for disposal.

b) *during early summer in 2004:*

- fly over other parts of the project area and prospects (such as Bong and Granite) to remedy any possible issues (casing, waste, radioactivity around collars);
- backfill the 2nd radioactive trench
- cut all protruding casing at ground level, according to the conditions of permits;
- translate signs into Inuktitut at the fenced area in Kiggavik;
- at Kiggavik, collect contaminated soil resulting from furnace fuel spillage at each of the previous cabin locations if possible, depending on how hard and dry the tundra is.
- possible inspection by regulatory Agencies and Baker Lake Hamlet community.

TABLE OF TASKS DONE AND TASKS NOT DONE

	% completion	comments		% completion	Comments
Kiggavik			Andrew Lake		
Demolish/burn 5 personal cabins	100		Demolish/burn drillers' shack	100	
Demolish/burn 3 equipment buildings	100				
Demolish/burn dry + 3 outhouses	100	2002 report required only one outhouse to be burned	Demolish/burn 3 tent platforms	100	
Demolish/burn core shack	100		Demolish/burn outhouse	100	2002 report did not require that it be burned
Demolish/burn generator shack	100		Demolish/burn generator shack	100	
Maintain & repair 6 personal cabins 2 office buildings Kitchen, helicopter pad general purpose cabin	100		Maintain & repair helicopter pad & core shack	100	
Dismantle communication tower	100		Gather empty core boxes & core rack section for resale	100	Not stated in the 2002 report
Replace/ maintain collapsed core racks	100		Board up core racks	100	
Identify and move all radioactive core boxes to fenced area.	100		Identify and move all radioactive core boxes to Kiggavik fenced area.	100	
Build core racks & build fenced area for radioactive core boxes	100		NA		
Appropriate signs for radioactive hazard at fenced area.	100		NA; already in place.		
Translation of signs in Inuktitut at fenced area	0		NA		
Board buildings left on site	100		Board up building left on site	100	
Waste, debris, metallic garbage boxed for transportation to Baker Lake	100		Waste, debris, metallic garbage boxed for transportation to Baker Lake	100	
Stack empty drums, propane + equipment for transportation to Baker Lake	100		Stack empty drums, propane + equipment for transportation to Baker Lake	100	
Remove old waterline	100				

Cut casing at Kiggavik to minimize aesthetic disturbance	100				
Cut casing to ground level on Kiggavik grid	0		Cut casing to ground level on South West and End grids	0	
Transport cut casings to Kiggavik trench	0		Transport cut casings to Kiggavik trench	0	
Cover trench containing radioactive cuttings from Andrew Lake with native material	100		Move eight drums containing radioactive cuttings to Kiggavik trench	100	
Cover other trench with native material	0				
Clean outside camp area for aesthetic disturbance	100		Clean outside camp area for aesthetic disturbance	100	
Burn wooden walkways to burned cabins/buildings	100		Bring all Jet B fuel to Kiggavik	100	
Gather all diesel fuel drums for transportation to Baker Lake	100		Box 100 25 Kg bag of granular calcium chloride	100	
Collect contaminated soil from diesel area	0		Gather all diesel fuel drum for transportation to Baker	100	
Leave 40 gallons of diesel fuel	100	Kitchen + 2 personal cabins			
Leave Jet B fuel	100	2 drums at helicopter pad			
Clean old garbage pit in sand pit	100	Not stated in the 2002 report	Clean old garbage pit in sand pit	100	Not stated in the 2002 report

APPENDIX 1

Permits, etc.



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

P.O. Box 1046, Station B
Ottawa, Ontario
K1P 5S9

C.P. 1046, Succursale B
Ottawa (Ontario)
K1P 5S9

Fax: (613) 995-5086

Télécopieur : (613) 995-5086

Directorate of Nuclear
Substance Regulation

Telephone: (613) 995-6620

May 14, 2003

Mr. R. Pollock
Vice President, Environment Health and Safety
COGEMA Resources Inc.
817 – 825 – 45th Street West
Saskatoon, SK
S7K 3X5

Subject: Kiggavik-Sissons Project – Transfer of Core Samples

Dear Mr. Pollock:

Canadian Nuclear Safety Commission (CNSC) staff has been informed by COGEMA Resources Inc. of their intent to transfer boxes of radioactive drill core (0.5% uranium) from the Sissons exploration site to the main core storage area at the Kiggavik exploration camp. The core boxes will be airlifted by helicopter during the summer of 2003. The distance between the two sites is approximately 10 kilometres. No roads or habitation are located along the flight path.

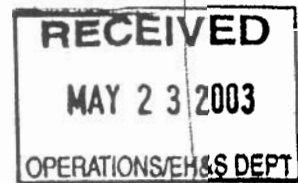
The CNSC has no objections to this proposal and no permit or authorization from the CNSC is required.

If you have any questions, please feel free to contact me at (613) 995-6620.

Yours truly,

Peter Nelson
Director
Packaging and Transport Licensing Division

c.c.: K. Wheatley, COGEMA Resources Inc.
L. Manzo, Kivalliq Inuit Association



Your file Votre référence

Our file Notre référence

22-0

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Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

www.inac.gc.ca

www.ainc.gc.ca

Land Administration

Box 100

Iqaluit, NU

X0A 0H0

July 18, 2003

Your file - Votre référence

Our file - Notre référence

By Fax 306-653-3883 and Mail

COGEMA Resources Inc.
P.O. Box 9204
817-45th Street West
Saskatoon, Saskatchewan
S7K 3X5

N2000J0040

Attention: Ken Wheatley

Dear Mr. Wheatley:

2003 Restoration Plans - Drill cuttings disposal
Land Use permit N2000J0040
Shultz Lake area, Nunavut

Further to our telephone call of July 16th and your followup fax we have reviewed your options for the disposal of the drill cuttings. We have also discussed your options with various other parties.

After review, we approve of your plans to dispose of the drill cuttings in the trenches prior to backfilling and contouring as approved in our letter of July 15th to Cathy Padfield of your office. Please note that the drums that the drill cuttings are being placed in are not to be disposed of in the trenches, only the drill cuttings and drill stems are to be disposed of in the trenches.

If you require further clarification or information please feel free to give me a call at 867-975-4280.

Sincerely,

Carl McLean
Manager, Land Administration

cc. Henry Kablalik
RMO, DIAND
Rankin Inlet, NU

Canada



Indian and Northern
Affairs Canada

www.inac.gc.ca

Land Administration

Box 100

Iqaluit, NU

X0A 0H0

Affaires indiennes
et du Nord Canada

www.ainc.gc.ca

Your file - Votre référence

Our file - Notre référence

July 11, 2003

RECEIVED JUL 22 2003

By Fax 306-653-3883 and Mail

COGEMA Resources Inc.

P.O. Box 9204

817-45th Street West

Saskatoon, Saskatchewan

S7K 3X5

N2000J0040

Attention: Cathy Padfield, Land Administrator

Dear Ms. Padfield:

2003 Restoration Plans

Land Use permit N2000J0040

Shultz Lake area, Nunavut

I am replying to your letter dated April 14th, 2003 to our office informing us of your 2003 plans for restoration work on your land use permit no. N2000J0040. Various officials have reviewed your request and for the most part we approve of your plans. Major concerns remain on your lack of tenure to the site. Please abide by the following conditions;

1. The drill area. The drill casings that are cut off at ground level must be placed in the trenches in a flat and orderly fashion to minimize voids. The trenches must be backfilled and recontoured to closely reflect the topography and contoured so no water ponding can occur.
2. Core boxes at camp site. Your plans are acceptable.
3. Miscellaneous campsite. Approval to dispose of contaminated debris and material in the Baker Lake landfill must be received from the Hamlet of Baker Lake. The cabins that will remain on site must be adequately secured and not be permitted to remain in a dilapidated state. If buildings are to be offered to the residents of Baker Lake to be removed from site we ask you to make this conditional that if they are being located on crown land they must first get approval from DIAND for the new location(s). Remaining fuel must be stored in a manner acceptable to our Land Use inspector.
4. The most important issue to us is your land tenure for this site. Your land use permit number N2000J0040 expired on September 20th, 2002 and no request has been made despite several requests for you to secure long term land tenure. As you have indicated you wish to keep several of your improvements on site for an unspecified amount of time you must submit a crown land application to our office to secure a land lease for this property. If the land lease application is not received by August 15th, 2003 you must remove all improvements and fully restore the site by

Canada



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Land Administration

Box 100

Iqaluit, NU

X0A 0H0

Affaires indiennes
et du Nord Canada

www.ainc.gc.ca

RECEIVED JUL 21 2003

0007 7 3

Your file - Votre référence

Our file - Notre référence

July 15, 2003

By Fax 306-653-3883 and Mail

COGEMA Resources Inc.
P.O. Box 9204
817-45th Street West
Saskatoon, Saskatchewan
S7K 3X5

N2000J0040

Attention: Cathy Padfield, Land Administrator

Dear Ms. Padfield:

**2003 Restoration Plans
Land Use permit N2000J0040
Shultz Lake area, Nunavut**

Further to our telephone call of yesterday please disregard my letter to you of July 11, 2003 as I did not have complete information when the letter was sent. This letter replaces the July 11th, 2003 letter. My apologies for the confusion this caused you. I am replying to your letter dated April 14th, 2003 to our office informing us of your 2003 plans for restoration work on your land use permit no. N2000J0040. Various officials have reviewed your request and for the most part we approve of your plans. Please abide by the following conditions;

1. The drill area. The drill casings that are cut off at ground level must be placed in the trenches in a flat and orderly fashion to minimize voids. The trenches must be backfilled and recontoured to closely reflect the topography and contoured so no water ponding can occur.
2. Core boxes at camp site. Your plans are acceptable.
3. Miscellaneous campsite. Approval to dispose of contaminated debris and material in the Baker Lake landfill must be received from the Hamlet of Baker Lake. The cabins that will remain on site must be adequately secured and not be permitted to remain in a dilapidated state. If buildings are to be offered to the residents of Baker Lake to be removed from site we ask you to make this conditional that if they are being located on crown land they must first get approval from DIAND for the new location(s). Remaining fuel must be stored in a manner acceptable to our Land Use inspector.
4. Your land use permit number N2000J0040 expired on September 20th, 2002 and you have since received a storage permit that expires on September 21, 2004. If it is anticipated that you will complete restoration of the site by the expiry date of your storage permit and your final plan on land use permit N2000J0040 is accepted, no further tenure will be required. However if

Canada



VIA COURIER

July 9, 2003

File: KIG 1455-55

Mr. Joe Niego
Mayor of Baker Lake
General Delivery
Baker Lake NU X0C 0A0

Mr. Luis Manzo
Land Management Office KIA
P.O. Box 340, Rankin Inlet
Nunavut X0C 0G0

Dear Mr. Niego and Mr. Manzo:

Re: 2003 Clean Up Program for the Kiggavik Sissons Site

This letter is to inform you that representatives of COGEMA Resources Inc. will be coming to Baker Lake on July 21 and will be working at the Kiggavik Sissons site until August 5, 2003. The purpose of the trip will be to complete the tasks identified as clean up work required in 2003, as detailed in Section 8.1 of the report sent to you last year entitled **"COGEMA Resources Inc. 2002 Inspections and Future Cleanup Plan for the Kiggavik Sissons Project, Nunavut"** dated October, 2002.

In summary, the work will involve:

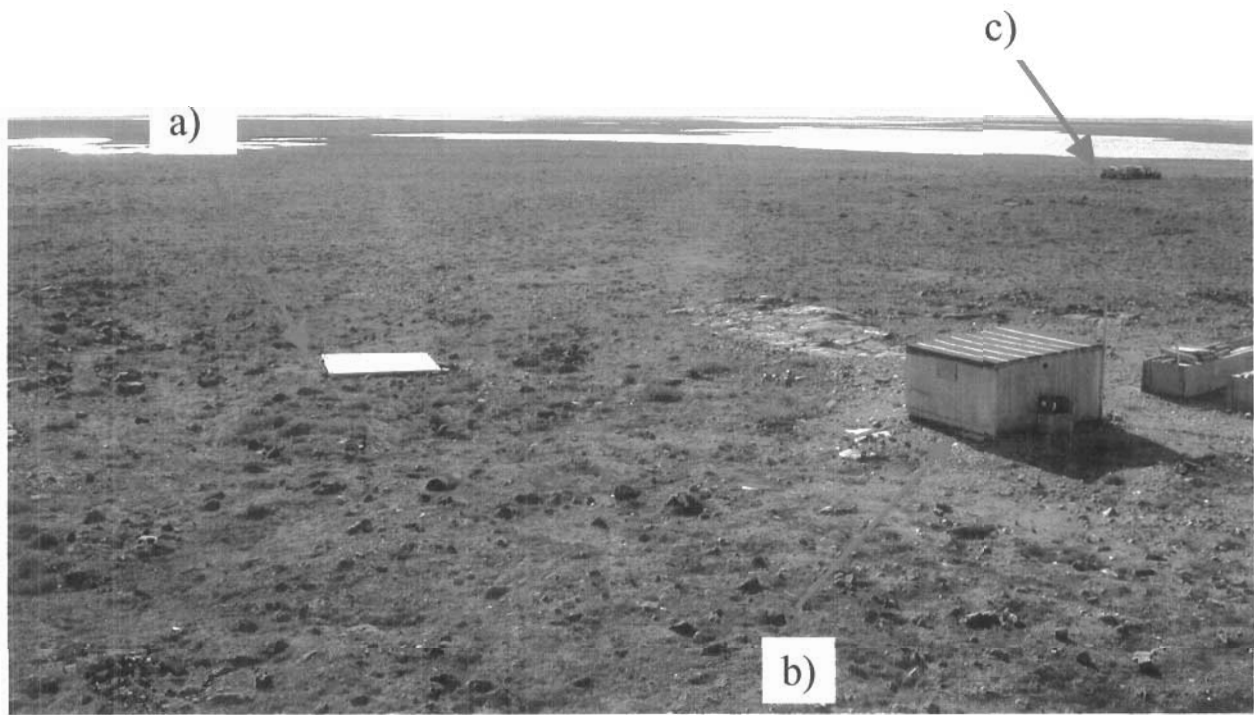
- Removing some of the buildings and facilities which will no longer be used
- Collecting and stacking (for winter removal) fuel, drums, materials and equipment
- Moving mineralized core to a central location where it can be fenced
- Upgrading the remaining core storage areas for long term stability
- Cutting off drill steel within the exploration area at ground level and collecting contaminated drill cuttings for disposal within the trenches at the Kiggavik site or for storage within the fenced area
- Completing a radiological survey following the clean up activities

We would like to complete the summer work and haul the material from the site next winter. We feel it would be more practical to complete this work before inviting yourselves and interested members of the community for a site inspection. Possibly, this could be accomplished in the summer of 2004 at which time we could offer a short community meeting, as well as the site visit. We would ask your advice on this matter.

We will, however, ask Mr. Jean-Charles Nadeau, our on site supervisor, to stop by the Town Office on August 6 to discuss the progress of the work and show you a few pictures of the site following the clean up.

APPENDIX 2

Pictures

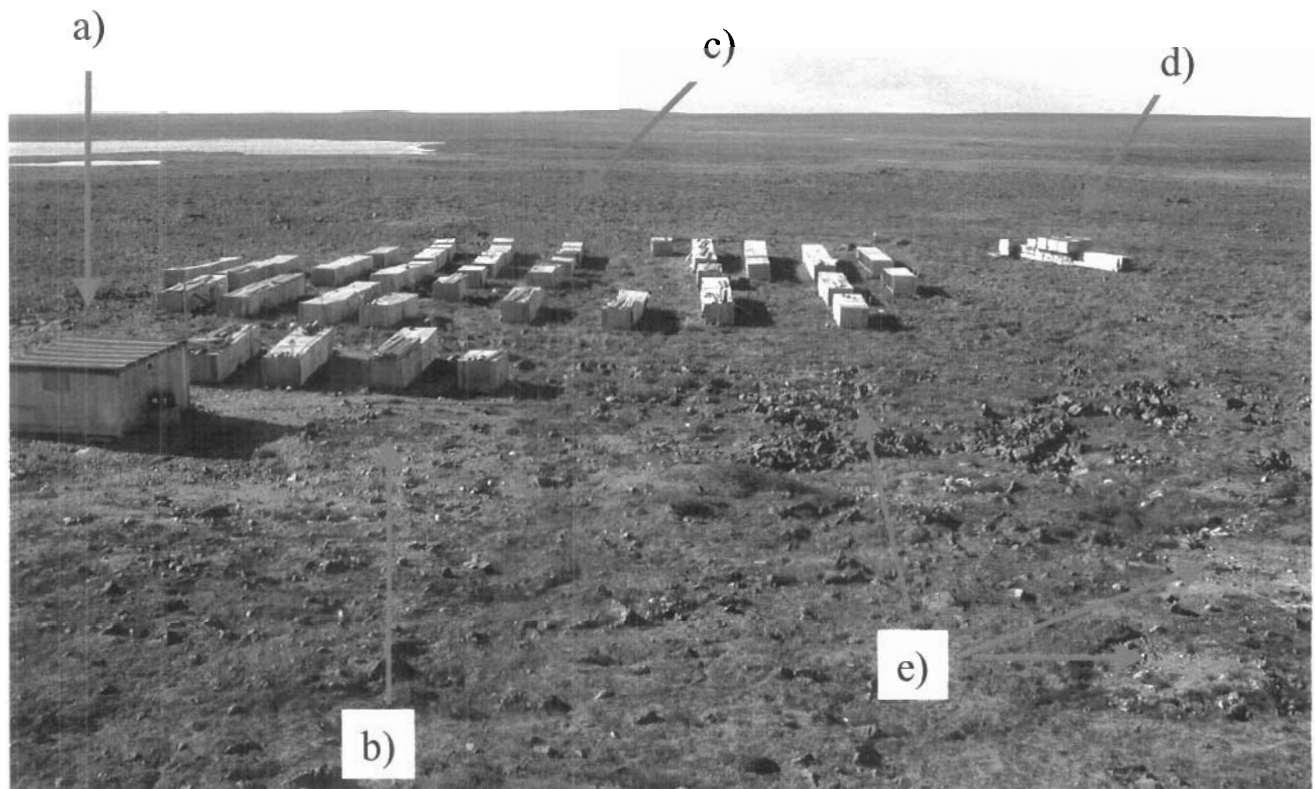


a) Looking ESE: (a) the helipad, (b) the Coreshack #1 and c) the Delta load #1 near the old Driller's shed.

Figure 1: Andrew Lake Site (Sissons Project).

b) Close up of the Helipad.

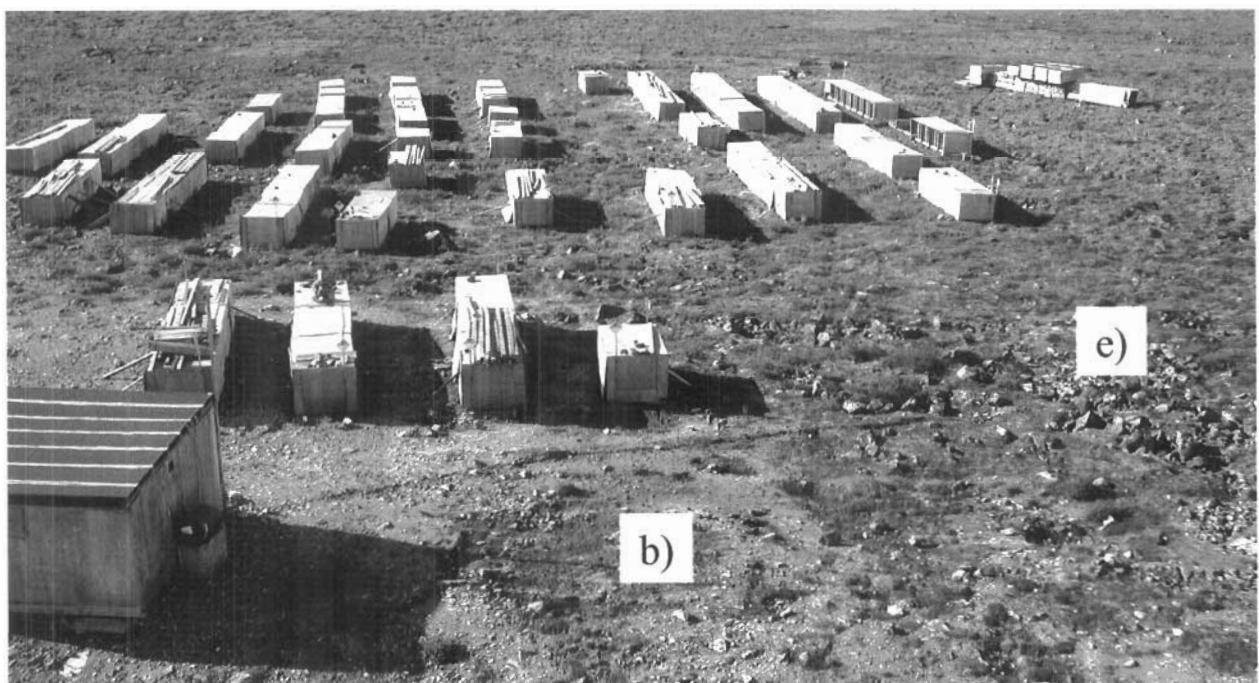




a) Looking South: (a) the Core shack #1, (b) the Core shack # 2 burnt floors, (c) the non radioactive core racks, (d) the Delta Load # 2, (e) other floors burnt.

Figure 2: Andrew Lake Site (Sissons Project).

b) Close up of the above



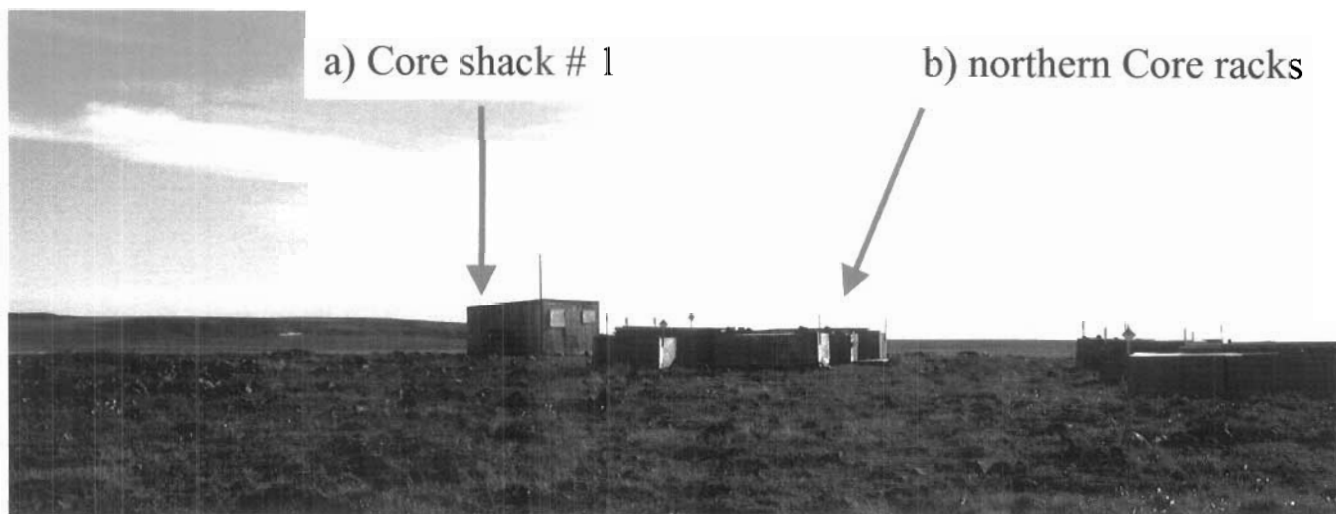


a) Core racks looking North and from West (top) to East (Bottom)

Figure 3: Andrew Lake Site (Sissons Project).

b) Core racks looking SW





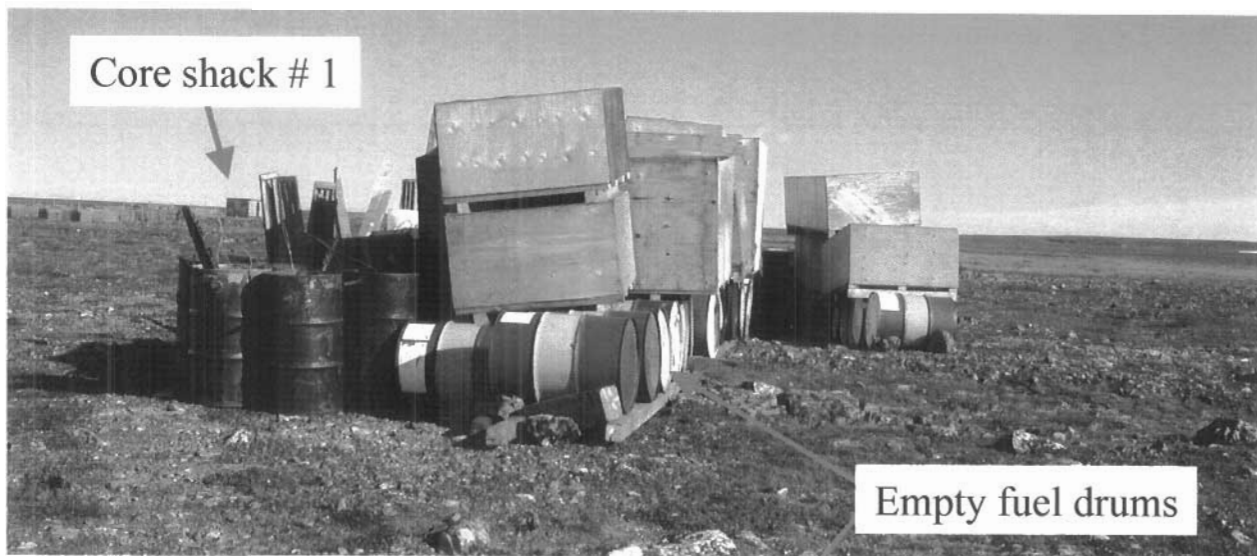
a) Looking NE

Figure 4: Andrew Lake Site (Sissons Project).

Core shack # 1

b) Close-up looking SW





a) Delta load # 1, located where the Driller's shed was.

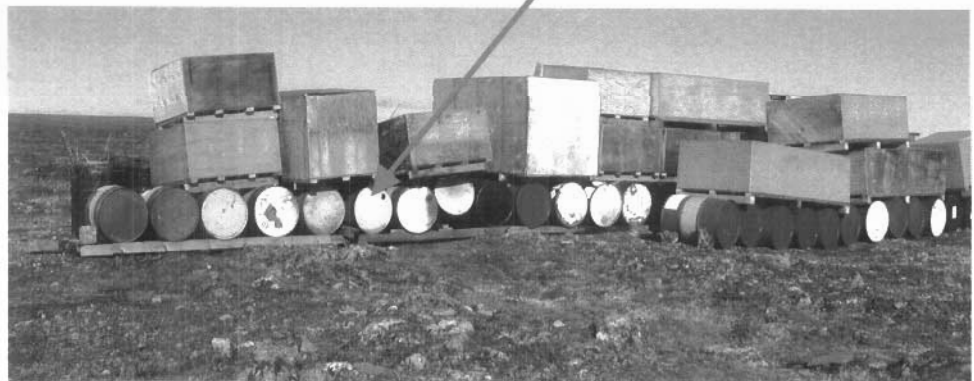
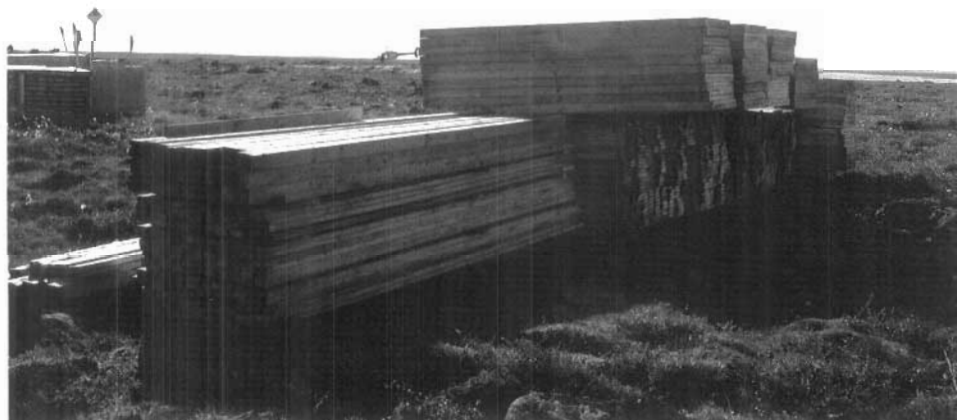


Figure 5: Andrew Lake Site (Sissons Project).

Views from a different angle of the "Delta loads" ready to be moved to Baker Lake by the end of 2004 winter

b) Delta load # 2: empty NQ core boxes, core racks, and miscellaneous wood. Located WSW of the core racks.



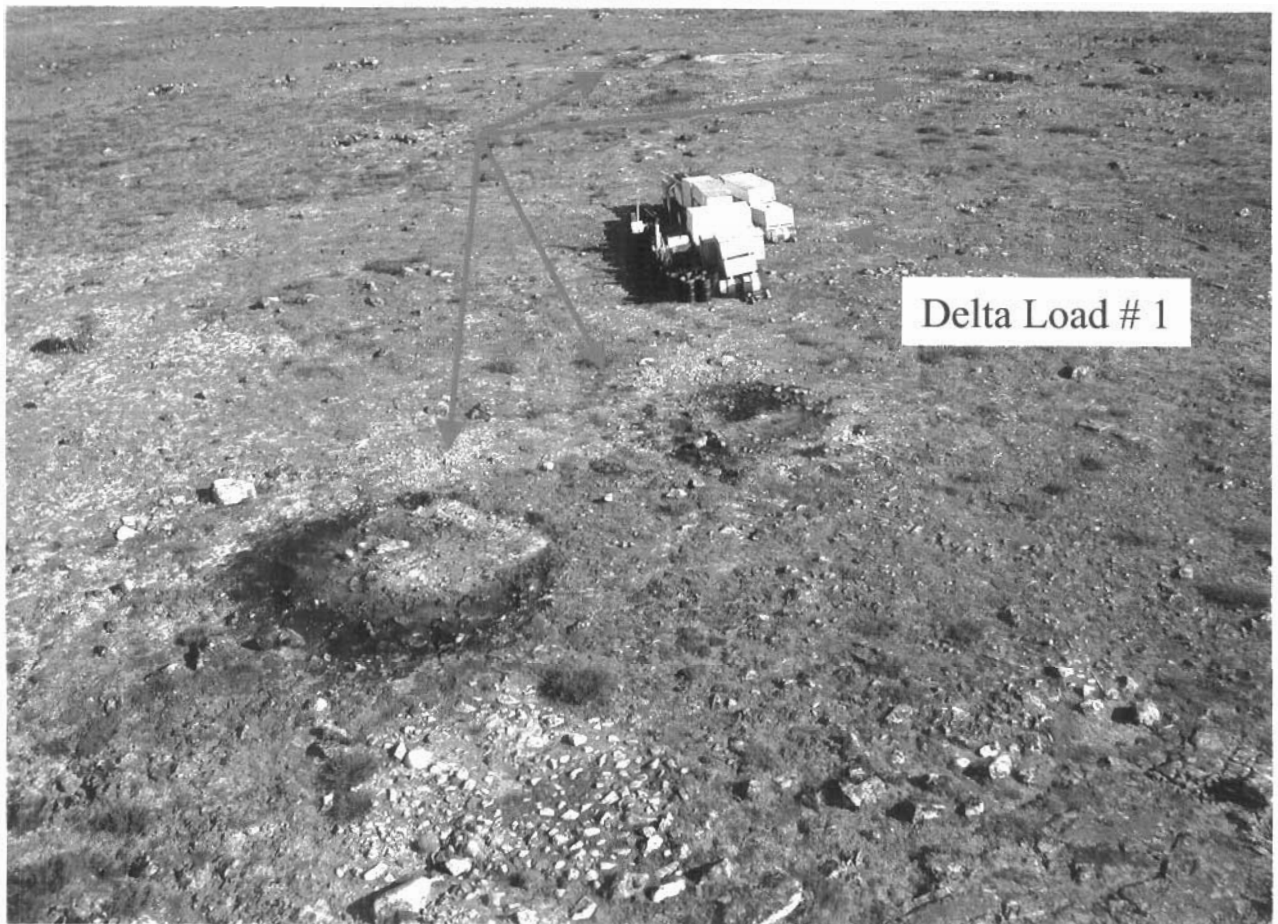


Figure 6: Examples of burnt areas (platform floors or wooden debris stacks).



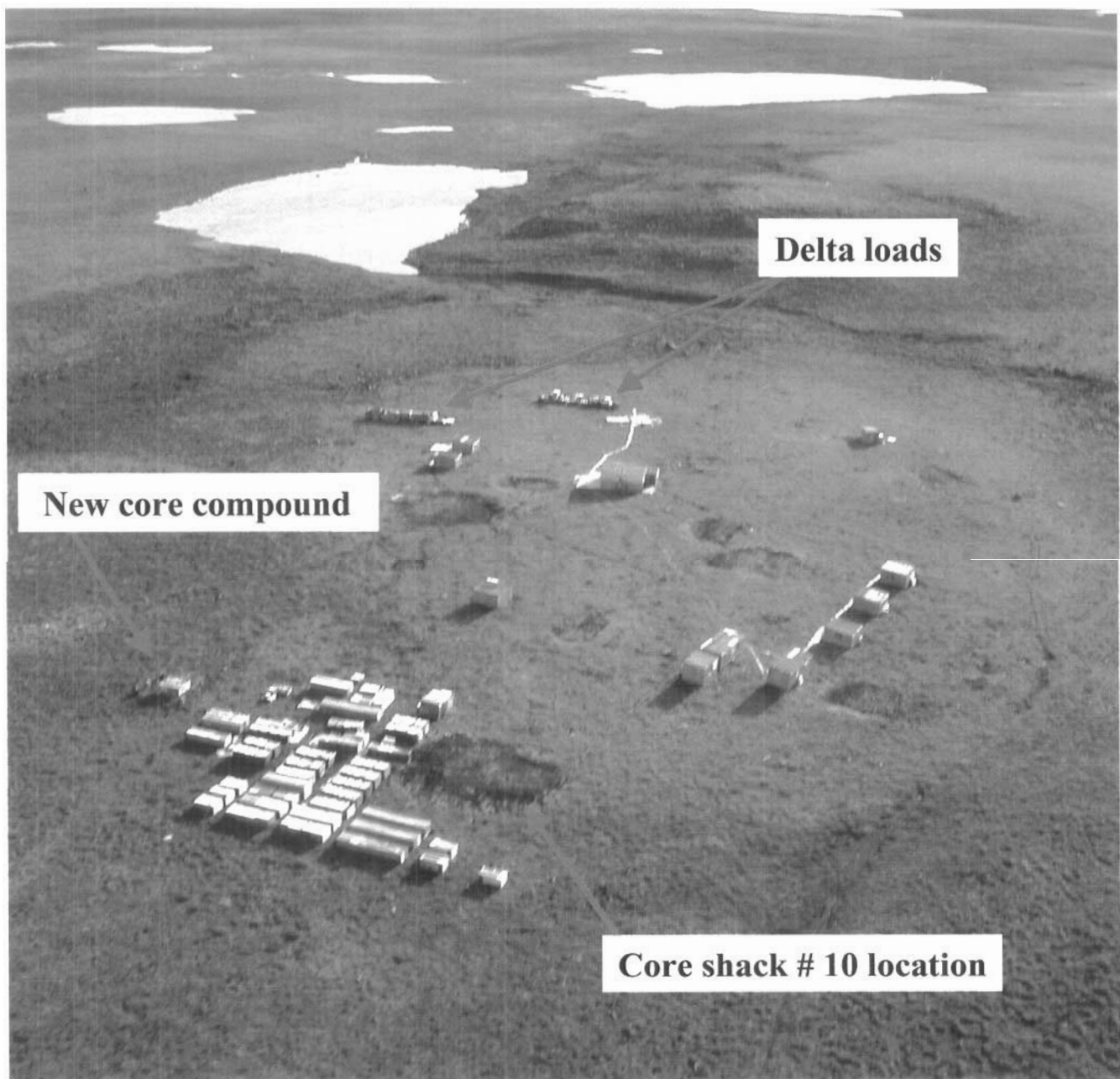


Figure 7: Aerial view of Kiggavik camp, looking SW.

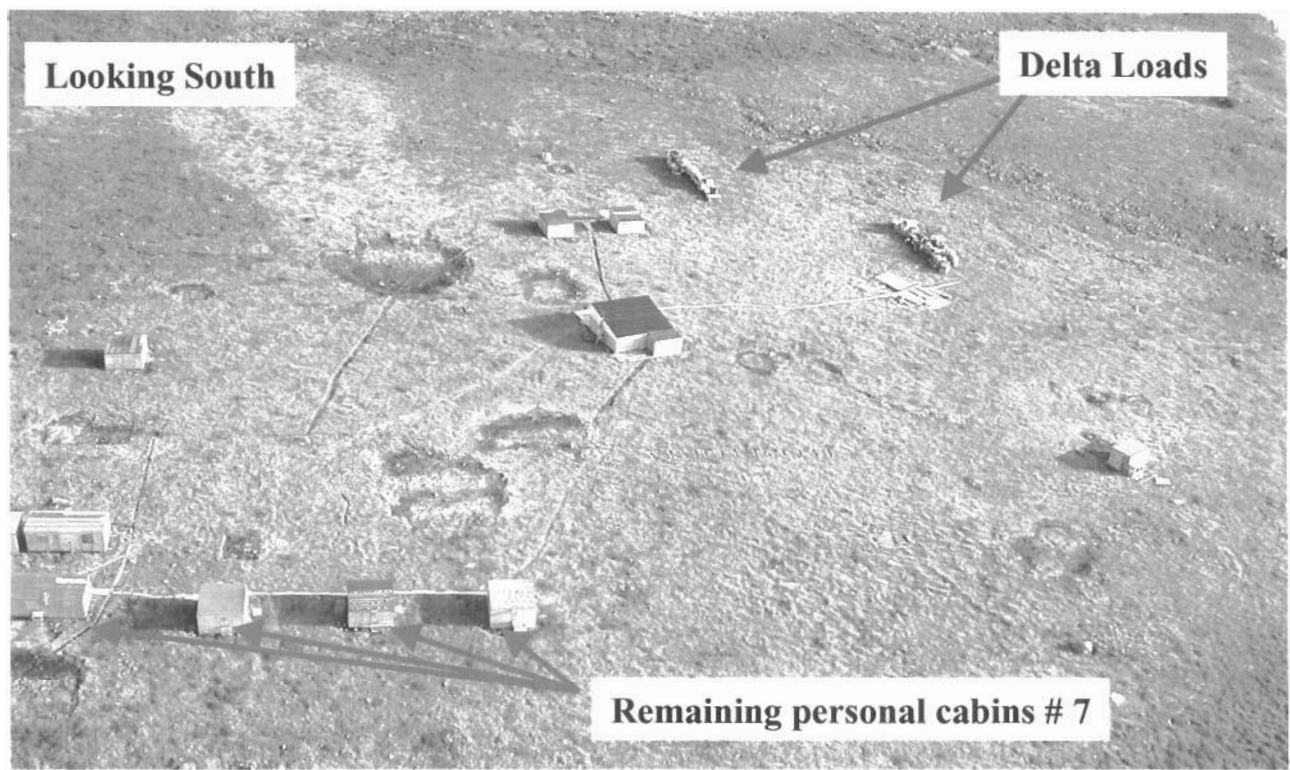


Figure 8: Aerial view of Kiggavik camp.

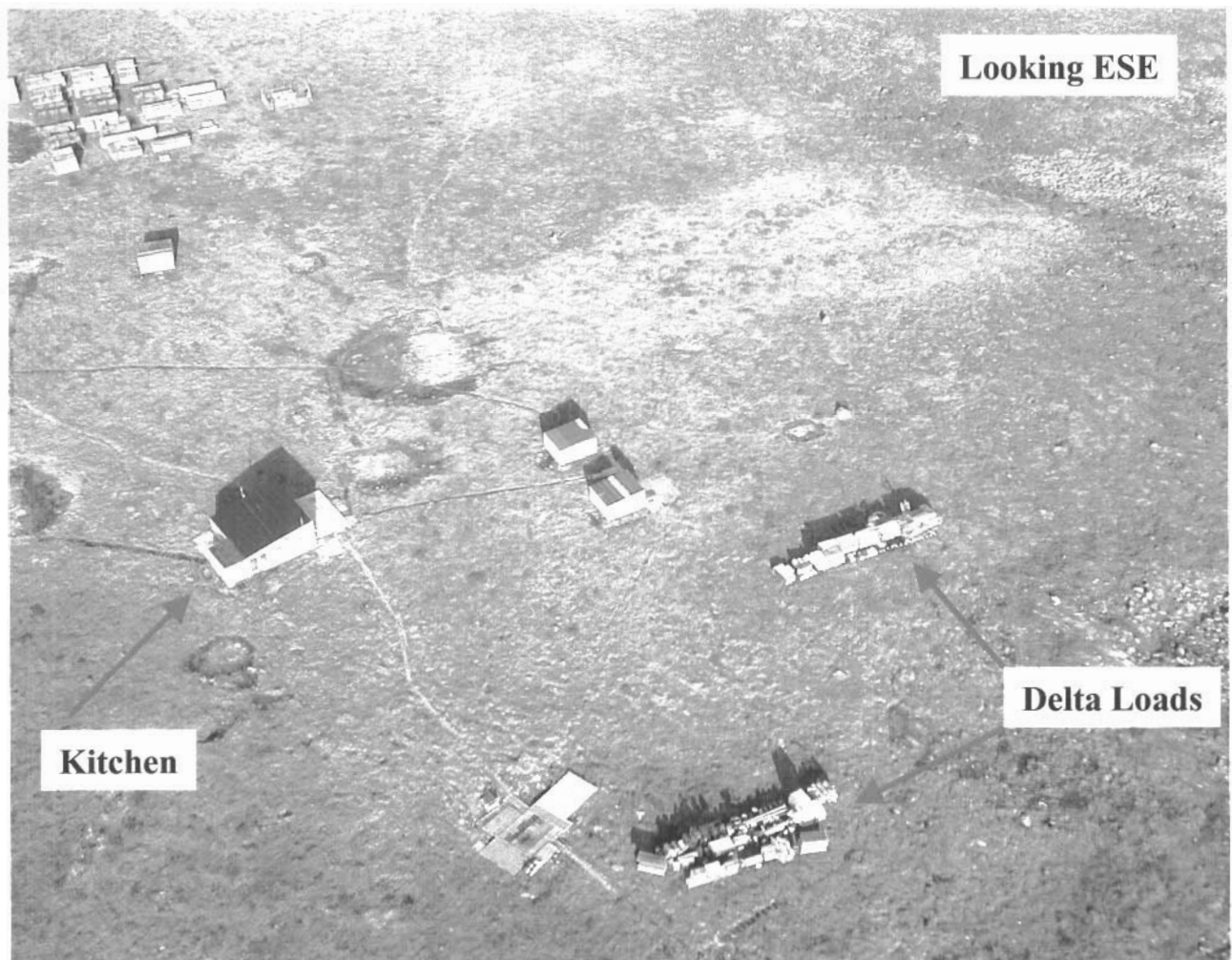




Figure 10: Delta loads waiting for shipment near Kiggavik camp's helipad; drums are empty.



Figure 11: Delta loads waiting for shipment near Kiggavik camp's helipad; drums are empty.

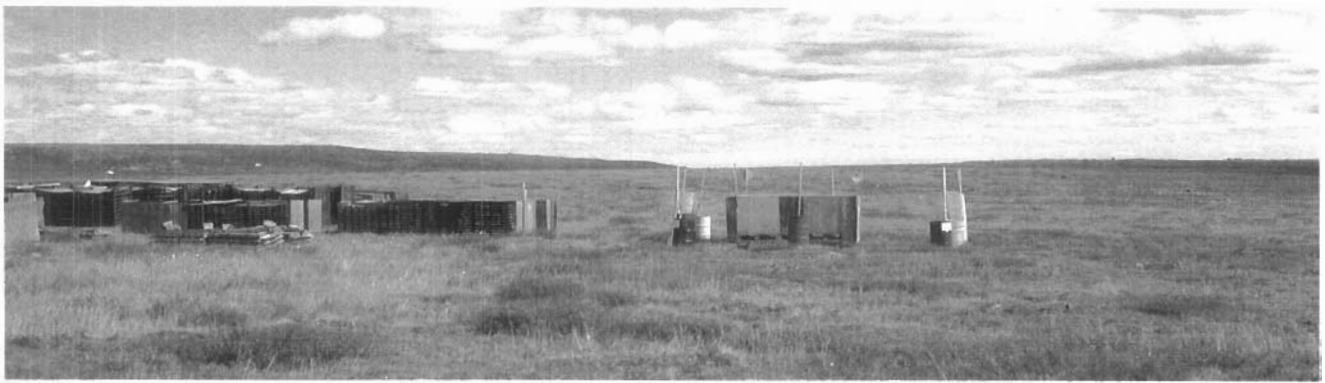


Figure 12: different views of the new fenced and posted compound containing the radioactive cores of Kiggavik and Sissons project.

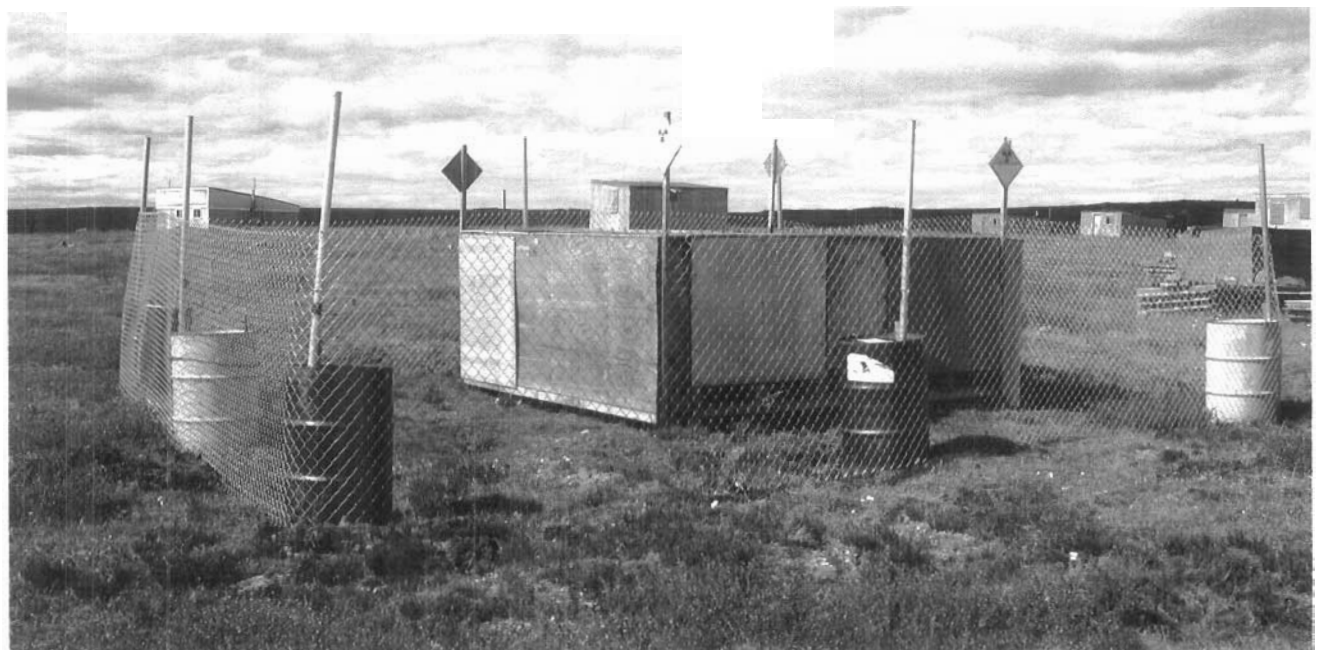




Figure 13: Kiggavik old core storage facility pictures,
the one below is looking to the East, from the burnt
core shack # 10.



Figure 14: inside
the kitchen / dining
facility # 4.



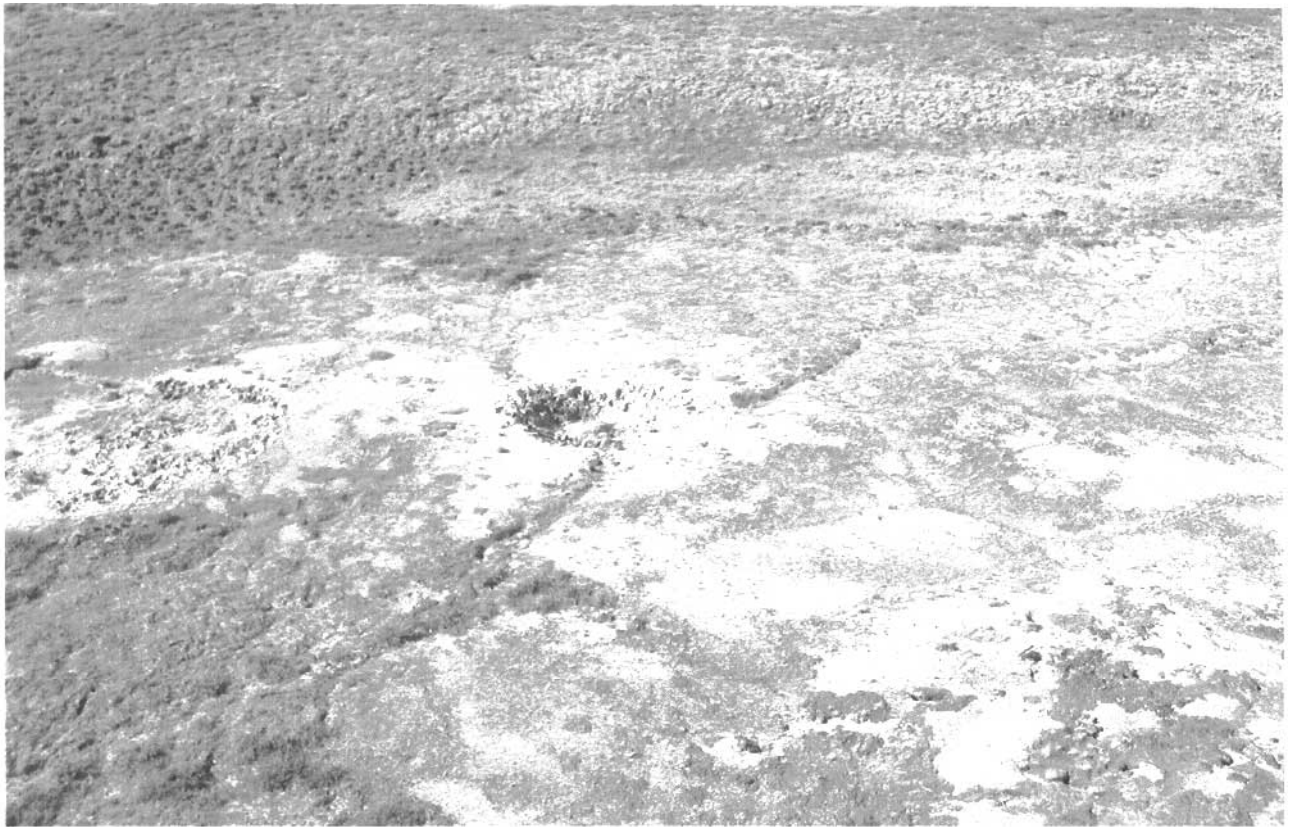


Figure 15: the South sand pit.

Figure 16: the West sand pit.





Figure 19: Pointer Lake non radioactive core storage

