



## **CANUS NORTH 99-2**

Tuktoyaktuk, Inuvik Region - NWT  
23-27 August 1999



## **CGD17 Exercise Report**

Prepared by:

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## CANUS North 99-2

### Summary:

The exercise provided the opportunity for the first time deployment of U.S. oil spill response equipment to the Canadian Arctic under the Beaufort Sea Annex (CANUS North) to the Joint Marine Plan (JMP). Emergency response procedures which were discussed during CANUS North 99-1 (Anchorage, AK during 10-12 February 1999) were put to the test: logistics procedures were exercised, long-range communications equipment was tested, on-water equipment deployments were successfully conducted, and local personnel support facilities were utilized. In addition, the exercise provided an opportunity for Department of the Interior (DOI) and Environment Canada representatives to begin discussing issues associated with the development of a plan/protocol for addressing trans-boundary wildlife hazing, and capture and rehabilitation activities.



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### Major Objectives:

- Conduct joint pollution response training utilizing personnel and equipment from both countries.
- Identify potential locations for a unified/joint command post in Canada.
- Establish effective communications from on scene to CCG Central & Arctic Region HQ, CG MSO Anchorage, and CGD17 Command Center-Juneau.
- Utilize air assets of the USCG and CCG for staging resources and conducting overflights of the exercise area.
- Provide area familiarization for US participants.

### Summary of Events:

Day	Events	Lead Coordinator
<b>Day 1</b>	Canadian participants arrive in Tuktoyaktuk via charter plane and CCG patrol boat (5 days transit down the McKenzie River).	CCG
	US participants arrive in Tuktoyaktuk via USCG C-130 aircraft.	CGD17
	Unpack equipment and pre-stage for exercise.	CCG & NAVSUPSALV
<b>Day 2</b>	Deployed 650' of 24" boom around CCG barge using two 37' seatrucks.	CCG
	Deployed and operated a heavy oil transfer system (DOP-250) powered by a MOD 6 hydraulic power unit, peristaltic pump, drum skimmer, mini-max skimmer, and Skim-Pack 4200 skimmer from the CCG barge and shoreline.	NAVSUPSALV
	Deployed and operated a MI-30 disc skimmer and a 1,000 gallon bladder using two 37' seatrucks.	CCG
	Conducted a joint OSC discussion meeting.	CCG
	Conducted communications equipment tests.	MSO and CCG
	Conducted wildlife protection discussions.	DOI and Environment Canada
<b>Day 3</b>	Deployed and maneuvered Vikoma ocean boom (500m) using a 17' whaler and two 37' seatrucks.	CCG
	Repacked equipment.	CCG & NAVSUPSALV
	Conducted a planners' meeting for the CANUS North Annex.	CCG & CGD17
<b>Day 4</b>	Conducted a hotwash	CCG
	Conducted an overflight of coastline between Tuktoyaktuk and the U.S./Canadian border.	CCG
	Repack and palletize equipment.	CCG & NAVSUPSALV
<b>Day 5</b>	Participants finalize repack of equipment and depart Tuktoyaktuk.	CGD17 & CCG

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### **Equipment Observations:**

The equipment deployments outlined above went very well. Based on interests and/or abilities, personnel were able to participate or observe all events. Unfortunately, the CCGC Eckaloo was unable to participate in the exercise and as a result the offshore deployment of heavier CCG skimmers on day two was not conducted. The following items were noted:

U.S. Response Time. The response time for NAVSUPSALV equipment via C-130 from Anchorage is approximately 9 hrs (i.e. aircraft coordination (2 hrs), equipment selection and PMS (2 hrs), equipment loading (2 hrs), and flight time (3 hrs)). CCG response time would be somewhat longer due to limited availability of aircraft and required stops for personnel.

Communications. Commercial phone lines and internet connections in Tuktoyaktuk are very limited (i.e. only 1 or 2 lines). The CCG HF radio communication with Inuvik was effective. The Iridium satellite phone system was effective in communication with both Anchorage and Juneau. Digital pictures of exercise events were effectively sent to Anchorage and Juneau via INMARSAT B.

Equipment Compatibility. Adapters are need for U.S. hydraulic power units if they are to be used with CCG equipment. NAVSUPSALV has adapters and will add them to their pre-deployment checklists.

Local Command Post. The CCG depot in Tuktoyaktuk would serve as an excellent location for a command post and staging area. The facility has several warehouse buildings and 20 storage conexas filled with pre-staged response equipment. The main warehouse is climate-controlled and has a large workshop bay, a machine shop, two meeting rooms, a small kitchen, and a small bathroom/shower room. In addition, a large response barge is currently docked at the facility. It has a climate-controlled workshop, generator system, and a 4-ton crane. Two heavy lift forklifts are also maintained at the facility.

Support Facilities. Lodging options in Tuktoyaktuk are currently limited to one construction camp, which can house and feed approximately 80 persons. While far from luxurious; hot showers, TV, and good meals were available. The CCG depot was within easy walking distance from the camp (i.e. 10-15 minutes walk), however the airport and downtown required vehicle transportation. The camp provided two 12-passenger vans for ground transportation.

### **Procedural Considerations:**

The following issues, which potentially impact procedures outlined in the joint annex, were discussed during the joint OSC discussion and planner's meeting.

Response Authorities. Government response authorities during vessel contingencies varies between the two countries: For the U.S. the USCG has authority for monitoring/directing response, transportation, and salvage efforts. In Canada the CCG and Transport Canada share these authorities (i.e. CCG has

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authority for response and transportation efforts. Transport Canada has authority for transportation and salvage efforts).

Invoking the Plan. For an incident involving a Canadian request for U.S. assistance, in which no threat to U.S. lands or resources existed, the MSO raised concerns over their ability to invoke the plan due to lack of funding. During such a scenario the MSO representatives were unsure whether the U.S. Oil Spill Liability Trust Fund (OSLTF) would be accessible. Without the OSLTF, the MSO would have to request District funding assistance before invoking the plan.

Customs & Immigration. An "Emergency Order" would allow the waving of customs and immigration requirements for responders during the first 7 days of an incident in Canada. However, the standard documentation (i.e. equipment, personnel, and training levels) would be required as soon as it could be compiled. Further work needs to be done on the following items:

- Research the legal definitions of "Emergency Phase" for the U.S. and Canada (i.e. what constitutes an "Emergency Phase" for one country may not for the other).
- For "Emergency Phase" operations, develop a standard protocol for extending the waver beyond the 7 day period.
- For "non-Emergency" phases of a response, determine whether personnel with specialized skills (i.e. skills which can not be provided by responders of the host country) may be provided an extended waver.

### **Future Exercise Recommendations:**

Participants agreed that the utilization of a webpage to coordinate exercise planning was very effective. The 1999 webpage is currently located at <http://www.akrrt.org/canusnorth99/index.html>.

Proposed events for next year are summarized below:

<b>Exercise Type</b>	<b>Date - Location</b>	<b>Sponsor</b>
Spill Management Team Table Top (TTX)	Spring 00 - Canada (possibly before/after the Canadian AMOP Conference)	CGC Arctic & Central Region
Equipment Deployment	Summer 00 - US (possible involvement in Industry's North Slope MAD).	CGD17 (mor)/MSO Anchorage

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### **Attachments:**

A participant list with contact information is provided as enclosure (1).

The update to the CANUS North planner's worklist is provided as enclosure (2).

### **Distribution:**

CG MSO Anchorage - Anchorage, AK

US NAVSUPSALV - Anchorage, AK

US DOI - Anchorage, AK

CCG Central and Arctic Region - Sarnia, ONT

USCG COMDT (G-MOR) - Washington, D.C.



**CANUS North 99-2  
Participant List**



Totals	United States Participant Roster	Agency
7	<p><b>CDR Mark Devries</b> - Executive Officer <a href="mailto:Mdevries@cgalaska.uscg.mil">Mdevries@cgalaska.uscg.mil</a> (907) 271-6605</p> <p><b>LCDR Byron Black</b> <a href="mailto:Bblack@cgalaska.uscg.mil">Bblack@cgalaska.uscg.mil</a> (907) 271-6723</p> <p><b>LCDR Rick Rodriguez</b> <a href="mailto:Rrodriguez@cgalaska.uscg.mil">Rrodriguez@cgalaska.uscg.mil</a> (907) 271-6724</p> <p><b>LT Herb Oertli</b> - North Slope Response Team <a href="mailto:Hoertli@cgalaska.uscg.mil">Hoertli@cgalaska.uscg.mil</a> (907) 271-6731</p> <p><b>TC3 Vern Tuss</b> - Communications Specialist <a href="mailto:Vtuss@cgalaska.uscg.mil">Vtuss@cgalaska.uscg.mil</a> (907) 271-6700</p> <p><b>MST2 Corey King</b> - North Slope Response Team <a href="mailto:Cking@cgalaska.uscg.mil">Cking@cgalaska.uscg.mil</a> (907) 271-6700</p> <p><b>MST3 Jeremy Whalen</b> - North Slope Response Team <a href="mailto:Jwhalen@cgalaska.uscg.mil">Jwhalen@cgalaska.uscg.mil</a> (907) 271-6700</p>	<p><b>CG MSO Anchorage</b> 510 L. Street, Suite 100 Anchorage, AK 99501-1946</p>
3	<p><b>Lee Majors</b> - Base Manager <a href="mailto:lmajors@essmanc.com">lmajors@essmanc.com</a> (907) 384-2968</p> <p><b>Scott Caple</b> - Equipment Specialist <a href="mailto:scaple@essmanc.com">scaple@essmanc.com</a> (907) 384-2968</p> <p><b>Dennison E. Gardner</b> - Equipment Specialist <a href="mailto:Dgardner@essmanc.com">Dgardner@essmanc.com</a> (907) 384-2968</p>	<p><b>US Navy Supervisor of Salvage (NAVSUPSALV)</b> P.O. Box 5685 FT Richardson Anchorage, AK 99505</p>
2	<p><b>Mitch Deely</b> - Plans &amp; Exercise Branch <a href="mailto:Tdeely@cgalaska.uscg.mil">Tdeely@cgalaska.uscg.mil</a> (907) 463-2208</p> <p><b>John Ehrhart</b> - District Response Advisory Team (DRAT) <a href="mailto:Jehrhart@cgalaska.uscg.mil">Jehrhart@cgalaska.uscg.mil</a> (907) 463-2217</p>	<p><b>CGD17 (mor)</b> P.O. Box 25517 Juneau, AK 99801</p>
1	<p><b>Pamela Bergmann</b> <a href="mailto:Pamela_Bergmann@ios.doi.gov">Pamela_Bergmann@ios.doi.gov</a> (907) 271-5011</p>	<p><b>Department of the Interior (DOI)</b> 1689 C Street RM 119 Anchorage, AK 99501</p>
<b>Total 13</b>		



**CANUS North 99-2  
Participant List**



<b>Totals</b>	<b>Canadian Participant Roster</b>	<b>Agency</b>
<b>3</b>	<p><b>Larry Trigatti</b> - Planning Officer <a href="mailto:trigattil@dfo-mpo.gc.ca">trigattil@dfo-mpo.gc.ca</a> (519) 383-1958</p> <p><b>Steve Klamer</b> - Equipment Technician <a href="mailto:klamers@dfo-mpo.gc.ca">klamers@dfo-mpo.gc.ca</a> (519) 383-1957</p> <p><b>JJ Brickett</b> - Equipment Technician <a href="mailto:brickett@dfo-mpo.gc.ca">brickett@dfo-mpo.gc.ca</a> (519) 383-1956</p>	<p><b>CCG Central &amp; Arctic Region Head Quarters</b> 201 N Front Street Suite 703 Sarnia, Ontario N7T-8B1</p>
<b>5</b>	<p><b>Terry Cook</b> - Senior Response Officer <a href="mailto:cookt@dfo-mpo.gc.ca">cookt@dfo-mpo.gc.ca</a> (867) 874-5559</p> <p><b>Al Molenkamp</b> - Equipment Technician <a href="mailto:Molenkampa@dfo-mpo.gc.ca">Molenkampa@dfo-mpo.gc.ca</a> (867) 874-5558</p> <p><b>Ken Cooper</b> - Equipment Technician <a href="mailto:cooperk@dfo-mpo.gc.ca">cooperk@dfo-mpo.gc.ca</a> (867) 874-5558</p> <p><b>Tom Maher</b> - Equipment Technician <a href="mailto:mahert@dfo-mpo.gc.ca">mahert@dfo-mpo.gc.ca</a> (867) 874-5558</p> <p><b>Doug Wieterman</b> - Equipment Technician <a href="mailto:wiertermand@dfo-mpo.gc.ca">wiertermand@dfo-mpo.gc.ca</a></p>	<p><b>CCG Hay River Base</b> (CCG Central &amp; Arctic Region) 42037 McKenzie Highway Hay River, NWT X0E-0R9</p>
<b>2</b>	<p><b>Alex Wheeler</b> - Exercise Coordinator <a href="mailto:wheelera@dfo-mpo.gc.ca">wheelera@dfo-mpo.gc.ca</a> (715) 746-2196 ext-228</p> <p><b>Mike Bernas</b> - Equipment Technician <a href="mailto:bernasm@dfo-mpo.gc.ca">bernasm@dfo-mpo.gc.ca</a> (715) 746-2196 ext-270</p>	<p><b>CCG Parry Sound Base</b> (CCG Central &amp; Arctic Region) 28 Waubeek Street Parry Sound, Ontario P2A-1B9</p>
<b>1</b>	<p><b>Mark Jones</b> - Equipment Technician <a href="mailto:jonesm@dfo-mpo.gc.ca">jonesm@dfo-mpo.gc.ca</a> (613) 925-2865 ext-268</p>	<p><b>CCG Prescott Base</b> (CCG Central &amp; Arctic Region) P.O. Box 1000 401 King Street Prescott, Ontario K0E-1T0</p>
<b>1</b>	<p><b>Cliff Tattersall</b> (867) 777-3625 <a href="mailto:TattersallC@dfo-mpo.gc.ca">TattersallC@dfo-mpo.gc.ca</a></p>	<p><b>CCG Marine Communications and Traffic Services (MCTS) Inuvik</b> (CCG Central &amp; Arctic Region) P.O. Box 2659 Inuvik, NWT X0E-0T0</p>



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2	<b>Brian Hennessy</b> - Senior Response Officer <a href="mailto:hennessyb@dfo-mpo.gc.ca">hennessyb@dfo-mpo.gc.ca</a> (250) 627-0316 <b>Doug Lucas</b> - Senior Response Officer <a href="mailto:Lucasd@dfo-mpo.gc.ca">Lucasd@dfo-mpo.gc.ca</a> 250-627-3047	<b>CCG Seal Cove Base</b> (CCG Pacific Region) P.O. Bag 3670 Prince Rupert, BC V8J-3R1
1	<b>Sgt Terry Scott</b> - Detachment Commander (867) 977-2351 <i>No e-mail</i>	<b>Royal Canadian Mounted Police (RCMP)</b> Box 58 Tuktoyaktuk, NWT X0E-1C0
1	<b>Sidney Bruinsma</b> - Environmental Investigator/Inspector (867) 669-4731 <a href="mailto:sid.bruinsma@ec.gc.ca">sid.bruinsma@ec.gc.ca</a>	<b>Environment Canada</b> Suite 301 5204 - 50 Avenue Yellow Knife, NWT X1A-1E2
<b>Total</b> 16		



## CANUS North 99-2 Planner's Worklist



The following list is an update to the U.S. planning worklist. The items are not listed in priority order and may not have been jointly agreed to. The "Status" column lists tentative target dates for completion of the items.

<b>Worklist Items</b> [Annex Section]	<b>Coordinator(s)</b>	<b>Status</b>
Develop written guidelines for the transportation of oily waste across national borders (i.e. waste from U.S. into Canada and waste from Canada into the U.S.). [Section XI-Section G: Disposal]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Mar 00
Develop written guidelines for the activation and hiring of NAVSUPSALV by the Canadian Government for cleanup operations. [Section XI-Enclosure D: Logistics Plan]	John Ehrhart (USCG) & Will Healy (NAVSUPSALV)	Mar 00
Develop written guidelines for the activation and operation of a Joint Information Center (JIC). [Section XI-Enclosure I: Public Information Coordination]	LCDR Ray Massey (USCG) & Micheline Brodeur (CCG)	Mar 00
Develop written guidelines for the local hire process. Including information on labor laws and immigration issues as they relate to the North American Free Trade Agreement (NAFTA). [Section VIII. Procedures for Customs and Immigration Clearances]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Mar 00
Identify agency representatives for the Joint Preparedness Team (JPT) and clarify their responsibilities in the CANUS NORTH Annex. [Section VI. Organizational Structure]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Dec 99
Develop written guidelines for trans-boundry capture and rehabilitation of wildlife (e.g. required permits, capture procedures, standards of care, cost sharing, etc. ). [Section XI-Enclosure C: Sensitive Environments Plan]	Pamela Bergmann (DOI)	Aug 00
Develop a written threat assessment for the annex. Include information on the types and numbers of vessels, types and amounts of product, transit routes, seasonal operations, etc. Identify likely scenarios for the activation of the annex and amount of personnel and equipment needed to effectively respond. [New - add to Section V. Pattern of Response]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Dec 99
Ensure NAVSUPSALV has appropriate hydraulic power unit adapters for use with Canadian equipment. [per Section XI-Section B: Response Resource Inventory]	Lee Majors (NAVSUPSALV)	Sep 99
Develop a command post layout diagram for the CCG depot in Tuktoyaktuk. [Section XI-Enclosure D: Logistics Plan]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Mar 00
Contact the US National Pollution Funds Center (NPFC) to determine if the Oil Spill Liability Trust Fund (OSLTF) can be utilized for an MSO response to an incident involving a Canadian request for U.S. assistance, in which no threat to U.S. lands or resources exists. [Section VII. Notification, Invocation, and Revocation]	John Ehrhart (USCG)	Nov 99
Include the appropriate U.S. and Canadian customs and immigration forms as enclosures to the annex (e.g. Canadian Customs E29B). [Section VIII. Procedures for Customs and Immigration Clearances]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Nov 99
Include the definitions of "Emergency Phase" and implications for the U.S. and Canada in the annex (i.e. what constitutes an "Emergency Phase" for one country may not for the other). [New - add to Section V. Pattern of Response]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Nov 99



## CANUS North 99-2 Planner's Worklist



For "Emergency Phase" operations in Canada, develop a written protocol for extending the customs/immigrations waver for U.S. responders beyond the 7 day period. [Section VIII. Procedures for Customs and Immigration Clearances]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Mar 00
For "non-Emergency" phases of a response, determine whether personnel with specialized skills (i.e. skills which can not be provided by responders of the host country) may be provided an extended waver. [Section VIII. Procedures for Customs and Immigration Clearances]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Mar 00
Develop written guidelines which provide details of Distance Early Warning (DEW) sites which might be used as response staging areas. [Section XI-Enclosure D: Logistics Plan]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Dec 99
Finalize plans for the CANUS NORTH 2000 exercise schedule. [per Section X. Exercises]	John Ehrhart (USCG) & Alex Wheeler (CCG)	Dec 99
Relocate all personnel contact information (e.g. phone, fax, e-mail, etc.) currently listed through out the annex to an enclosure. The enclosure can then be updated easily and be utilized as a notification checklist during an activation of the plan. [Section XI-Enclosure H: JPT Contact List]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Nov 99
Insert chart of the annex's area of coverage, which list geographical locations and logistics sites. [Section II. Area of Coverage and/or Section XI-Enclosure D.- Logistics Plan]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Dec 99
Develop a CANUS North website to facilitate the distribution of planning and exercise information. [Section IV. Plan Review & Updates and Section X. Exercises]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Dec 99
Beef up the U.S. communications information to conform with the information already provided by MCTS Inuvik. [Section XI-Enclosure A: Communications Plan]	John Ehrhart (USCG) & Vern Tuss (USCG)	Dec 99
Ensure CG MSO Anchorage and CGD17 (mor) have current copies of all Canadian references mentioned in the annex. [Section IV. Plan Review & Updates]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Dec 99
Provide State of Alaska and other federal agency contact information for the JPT contact list. [Section XI-Enclosure H: JPT Contact List]	John Ehrhart (USCG)	Oct 99
Reformat the annex to comply with the CANUS Dixon Annex formatting. [All]	John Ehrhart (USCG) & Larry Trigatti (CCG)	Aug 00

## Exercise Schedule of Events

Draft: August 17, 1999

Time	Event	Location
<b>Monday - August 23, 1999 (Anch-Tuk)</b>		
<b>0800</b>	All US personnel to meet at MAC Passenger Terminal.	Air Mobility Command Elmendorf AFB
<b>0800-0900</b>	Palletize participant luggage (by Air Force load master)	AMC Passenger Terminal, Elmendorf AFB Anchorage, AK
<b>1000-1230</b>	Travel to exercise site via USCG C-130. Lunch on board the C-130	Elmendorf AFB to Tuktoyaktuk, Canada
<b>1300-1400</b>	Off load C-130 to flatbed truck/ Deliver Canadian Customs form E29B to RCMP Officer.	Airport – Tuktoyaktuk
<b>1400-1700</b>	USCG C-130 RTB	USCG Air Station Kodiak
<b>1400-1800</b>	Transfer equipment to CCG base & Lodging Check-in.	Gruben's Camp - Tuktoyaktuk
<b>1800-1930</b>	Dinner	Gruben's Camp - Tuktoyaktuk
<b>1930-</b>	Tour CCG facilities.	CCG Base - Tuktoyaktuk
Time	Event	Location
<b>Tuesday - August 24, 1999 (Tuk)</b>		
<b>0700-0800</b>	Breakfast	Gruben's Camp
<b>0800-1130</b>	Offload flatbed to CCG vessel.	CCG dock
<b>1130-1230</b>	Lunch	Gruben's Camp
<b>1230-1730</b>	<b>Ops Group:</b> Assemble equipment, provide safety training, and conduct equipment cross training.	CCG vessel (underway) See Canadian scenario Strategy #1 page 3.
	<b>Comms Group:</b> ☛ Set up communication center & establish effective comms with MSO Anchorage/D17 Command Center Juneau/CCG Central & Arctic Region HQ. ☛ Identify capabilities & potential locations for a unified/joint command post.	Gruben's Camp and/or CCG Base.
	<b>Planning Group:</b> ☛ Discussions on CANUSNORTH Annex.	Gruben's Camp and/or CCG Base.
	<b>Environmental Group:</b> ☛ Discussions on Wildlife issues.	Gruben's Camp and/or CCG Base.
<b>1730-1830</b>	Dinner	Gruben's Camp

## Exercise Schedule of Events

Draft: August 17, 1999

<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>Wednesday - August 25, 1999</b> (Tuk)		
0700-0800	Breakfast	Gruben's Camp
0800-1130	Conduct equipment cross training.	CCG Vessel (underway) See Canadian scenario Strategy #2 page 3
1130-1230	Lunch	Gruben's Camp
1230-1730	Conduct equipment cross training.	CCG Vessel (underway)
1730-1830	Dinner	Gruben's Camp
<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>Thursday - August 26, 1999</b> (Tuk)		
0700-0800	Breakfast	Gruben's Camp
0800-1130	Decontaminate/clean equipment.	CCG Dock
1130-1230	Lunch	Gruben's Camp
1330-1730	Conduct overflights of exercise area. Also view potential staging sites: Shingle point, Stokes point, Hershel Island and Komakuk a 4.5 hour overflight.	CCG Twin Otter Aircraft
1230-1630	<b>Ops Group:</b> ☞ Pack/palletize all equipment & Load flatbed.	CCG Dock
	<b>Planning Group:</b> ☞ Continue discussions on CANUSNORTH Annex.	Gruben's Camp and/or CCG Base
	<b>Environmental Group:</b> ☞ Continue discussions on wildlife issues.	Gruben's Camp and/or CCG Base
1730-1830	Hot Wash	Gruben's Camp
1830-1930	Dinner	Gruben's Camp
<b>Time</b>	<b>Event</b>	<b>Location</b>
<b>Friday - August 27, 1999</b> (Tuk-Anch)		
0700-0800	Breakfast & Lodging Check-out.	Gruben's Camp
0800	Arrival of USCG C-130.	Airport
0800-1000	Load equipment and luggage onto C-130.	Airport
1000-1400	Travel to Elmendorf AFB via USCG C-130. Note: Lunch will be "Box Lunches".	Tuktoyaktuk to Anchorage, AK
1400-1630	Offload C-130 & move equipment back to NAVSUPSALV Base.	Elemendorf AFB
1630	Endex	Elemendorf AFB