Alpine Satellite Development Plan
Final Environmental Impact Statement

Appendix M

Public Notice of Coverage under the NPDES General Permit to Discharge to Waters of the United States for Facilities Related to the Extraction of Oil and Gas on the North Slope of the Brooks Range, Alaska (AKG-33-0000)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, WA 98101

PUBLIC NOTICE OF COVERAGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT TO DISCHARGE TO WATERS OF THE UNITED STATES FOR FACILITIES RELATED TO THE EXTRACTION OF OIL AND GAS ON THE NORTH SLOPE OF THE BROOKS RANGE, ALASKA (AKG-33-0000)

Public Notice Issuance Date: September 3, 2004
Public Notice Expiration Date: October 4, 2004

I. Applicant

ConocoPhillips Alaska, Incorporated
Post Office Box 100360
700 G Street
Anchorage, Alaska 99510-0360

Authorized Official: John Whitehead,
Vice President for Western North Slope

II. Background

ConocoPhillips Alaska, Incorporated (CPAI) is proposing the development of five satellite oil production pad sites (CD-3, CD-4, CD-5, CD-6, and CD-7) and associated gravel roads, pipelines, communication equipment, and power lines that connect to the existing Alpine Central Processing Facility (CD-1) located approximately eight miles north of Nuiqsut, Alaska. CD-3 and CD-4 are located in the Colville River Delta. CD-5, CD-6, and CD-7 are located in the National Petroleum Reserve-Alaska (NPR-A).

The U.S. Environmental Protection Agency (EPA) is a cooperating agency on the Alpine Satellite Development Plan (ASDP) Environmental Impact Statement (EIS) because of our decision regarding a National Pollutant Discharge Elimination System (NPDES) permit. This EIS would serve to fulfill our National Environmental Policy Act (NEPA) compliance responsibilities (40 CFR Part 6).

On January 29, 2004, CPAI submitted a Notice of Intent (NOI) to be covered under the NPDES North Slope General Permit (NSGP) AKG-33-0000 (Enclosed). EPA determined that CPAI's ASDP is a new source, as defined in 40 CFR 122.2, and is subject to new source performance standards in the

effluent limitations guidelines (40 CFR Part 435). The Final EIS (FEIS) for the Alpine Satellite Development Plan evaluates CPAI's proposal and fulfills our NEPA compliance responsibilities.

III. Tentative Determination

EPA is proposing to issue coverage under the NSGP to CPAI for discharges of domestic wastewater from the Alpine Satellite Development Plan. The NSGP authorizes discharges of domestic wastewater and other discharges from facilities related to the extraction of oil and gas on the North Slope of the Brooks Range in the state of Alaska (AKG-33-0000).

IV. Public Comments

Persons wishing to comment on the tentative determinations of GP coverage may do so in writing within this public notice period. Comments must be received by EPA no later than **October 4, 2004**, to be considered in our final determinations regarding NPDES GP coverage.

All comments should include: (1) the name, address, and telephone number of the commenter; (2) a concise statement of the exact basis of any comment; and (3) the relevant facts upon which the comment is based.

All written comments and requests should be submitted to:

U.S. Environmental Protection Agency
Attn: Ms. Cindi Godsey
222 W. 7th Avenue, Box 19
Anchorage, Alaska 99513

V. Document Availability

A copy of the general NPDES permit may be requested by writing to the EPA at the above Anchorage address, by calling (907) 271-6561 or (800) 781-0983, toll-free in Alaska only, or by e-mailing to godsey.cindi@epa.gov

The permit is also available on the Region 10 website at www.epa.gov/r10earth then click on Water Quality, Permits and General Permits, Oil and Gas, North Slope Oil and Gas GP.

The Final EIS for the Alpine Satellite Development Plan and related documents are available by contacting the ENTRIX Project Office, 3701 East Tudor Road, Suite 205, Anchorage, AK 99507 at (907) 563-0438 or by downloading from the project website at www.alpine-satellites-eis.com.

NOTICE OF INTENT (NOI)
NPDES GENERAL PERMIT AKG-33-0000

AUTHORIZED OFFICIAL (Owner, Operator or Person responsible for overall management of the project):

Last Name: Whitehead First Name: John Phone Number: 907-265-6513
Company Name: ConocoPhillips Alaska, Inc. Fax Number: 907-263-4438
Address: 700 G Street Email address:
City: Anchorage State: Alaska Zip: 99501

FACILITY INFORMATION:

Facility Name: Alpine Satellites CD-3, CD-4, CD-5, CD-6, CD-7
Address: North Slope Borough, Alaska

BMP completed now? (see Permit Part II.H.1)
Yes ___ No, will send confirmation later _X_

Type of Discharge(s): Domestic wastewater (001), graywater (002)

OPERATOR INFORMATION OR ON-SITE CONTACT:

Name: Sally Rothwell Title: Environmental Coordinator Phone Number: 907-265-6064

RECEIVING WATER INFORMATION:

Name of receiving water: Tundra wetlands
Latitude: See attached figures Longitude: See attached figures Circle one (MAP / GPS)

Include a topographic map or aerial photograph showing the general location of the facility and expected flow direction of the discharge. Also provide approximate distance of the end of pipe from the edge of an existing domestic wastewater mixing zone.

DAILY DISCHARGE FLOW RATES: (GPD)

Average: 6,000 Maximum: 7,000 Design Capacity: 7,000

PREVIOUS PERMITS (If applicable): EPA Permit Number: ADEC Permit Number:

~*~*~*~*~*~*~*~*~*~*~* **Domestic Wastewater Dischargers continue this form if you would like a mixing zone authorized by ADEC – all others proceed to the signature block on the next page** ~*~*~*~*~*~*~*~*~*~*~

CHECK CATEGORY WHICH APPLIES TO THIS FACILITY

☐ Treatment plant (e.g. extended aeration, Fixed film etc.). Indicate type (**Category 1**)

☐ Passive waste stabilization pond (non-aerated lagoon) as principal process. Indicate number of cells (**Category 2**)

☐ Mechanically aerated waste stabilization pond (aerated lagoon) as principal process. Indicate number of cells (**Category 3**)

DESCRIPTION OF WASTEWATER TREATMENT AND OPERATION: Provide a brief description of the treatment process provided by the facility including the level of treatment (primary, secondary, other) and type of disinfection. Include schematic flow diagram of the wastewater treatment process. Describe all disposal methods for any sludge generated from the treatment system.
Are you a seasonal (non-continuous) discharger? _____ If yes, which months do you typically discharge?
Are you a new source? _____ If yes, see Permit Part I.C.

REQUIRED INFORMATION (FOR ALL):
Length of discharge line from shoreline: _____ feet, meters (measured at M.L.L.W for marine discharges)
Diameter of diffuser: ___ inches, meters, centimeters
Length of diffuser: _____ feet, meters
Depth of the diffuser: ___ feet, meters (measured at M.L.L.W for marine discharges)

FOR FRESHWATER DISCHARGES:
Provide approximate dimensions of the receiving body, if the receiving water size is less than 100 meters radius from the end of pipe:

_____

For discharge to river, provide the once in 2 years, 3-day low flow (3Q2) condition of the receiving_____

FOR MARINE WATER DISCHARGES

Orientation of diffuser to shoreline: _____ (e.g. perpendicular, 45°, parallel) Number of ports: _____
Height of ports above diffuser: ___ inches, meters, centimeters
Angle of diffuser ports to diffuser pipe: ____ degrees from top of pipe
Diffuser port diameter: ____ inches, meters, centimeters, feet
Port Spacing: ____ feet, meters Direction of the current relative to diffuser: _____ perpendicular, parallel, angle

EFFLUENT TESTING INFORMATION

Applicant shall provide effluent testing data collected over the previous 12 months for the following parameters: pH (minimum, maximum), flow rate, BOD_5, TSS, fecal coliform, chlorine, BOD_5 and TSS percent removal.

REQUEST FOR MIXING ZONE AND EFFLUENT MODIFICATION FROM ADEC

Do you wish to request authorization from ADEC for effluent modification and mixing zone? ___YES_X_NO

THE FOLLOWING INFORMATION MUST BE PROVIDED IF REQUESTING A MIXING ZONE. The burden of proof for justifying a mixing zone through demonstrating compliance with the requirements of 18 AAC 70.240 – 18 AAC 70.270 rests with the applicant.

USES OF RECEIVING WATER AT DISTANCE FROM DIFFUSER (Not needed if not requesting a mixing zone from ADEC):

Use	Distance	Units
Supply for drinking water		
Supply for agriculture including irrigation & stock water		
Supply for aquaculture[i]		
Supply for industrial use[ii]		
Contact recreation[iii]		
Secondary recreation[iv]		
Fish[v] spawning		
Harvesting and consumption of raw fish, shell fish, or other aquatic		

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Dated 1/29/04
A. John Whitehead	VP WNS
Printed Name	Title

Mail Completed NOI to:

Original:
US EPA
NPDES Permits Unit
1200 Sixth Avenue, OW-130
Seattle, Washington 98101

Copy: ADEC
610 University Avenue
Fairbanks, Alaska 99709

and

USEPA – AOO/A
Attn: Cindi Godsey
222 W. 7th Avenue, Box 19
Anchorage, Alaska 99513

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[i] "aquaculture" means the cultivation of aquatic plants or animals for human consumption

[ii] industrial use" means use of a water supply for a manufacturing or production enterprise except food processing, and includes mining, placer mining, energy production, or development

[iii] "contact recreation" means activities in which there is direct and intimate contact with water; "contact recreation" includes swimming, diving, and water skiing; "contact recreation" does not include wading

[iv] "secondary recreation" means activities in which incidental water use can occur; "secondary recreation" means boating, camping, hunting, hiking, wading, and recreational fishing; in this paragraph "recreational fishing does not include fish consumption

[v] "fish" means any group of cold blooded vertebrates that live in water and have permanent gills for breathing and fins for locomotion

Legend

Discharge Area Habitat:
Non patterned wet meadow

- Proposed Pad
- Proposed Access Road
- Proposed Pipeline Route
- Proposed Airstrip and Apron
- State Land
- Native Land

X = camp location

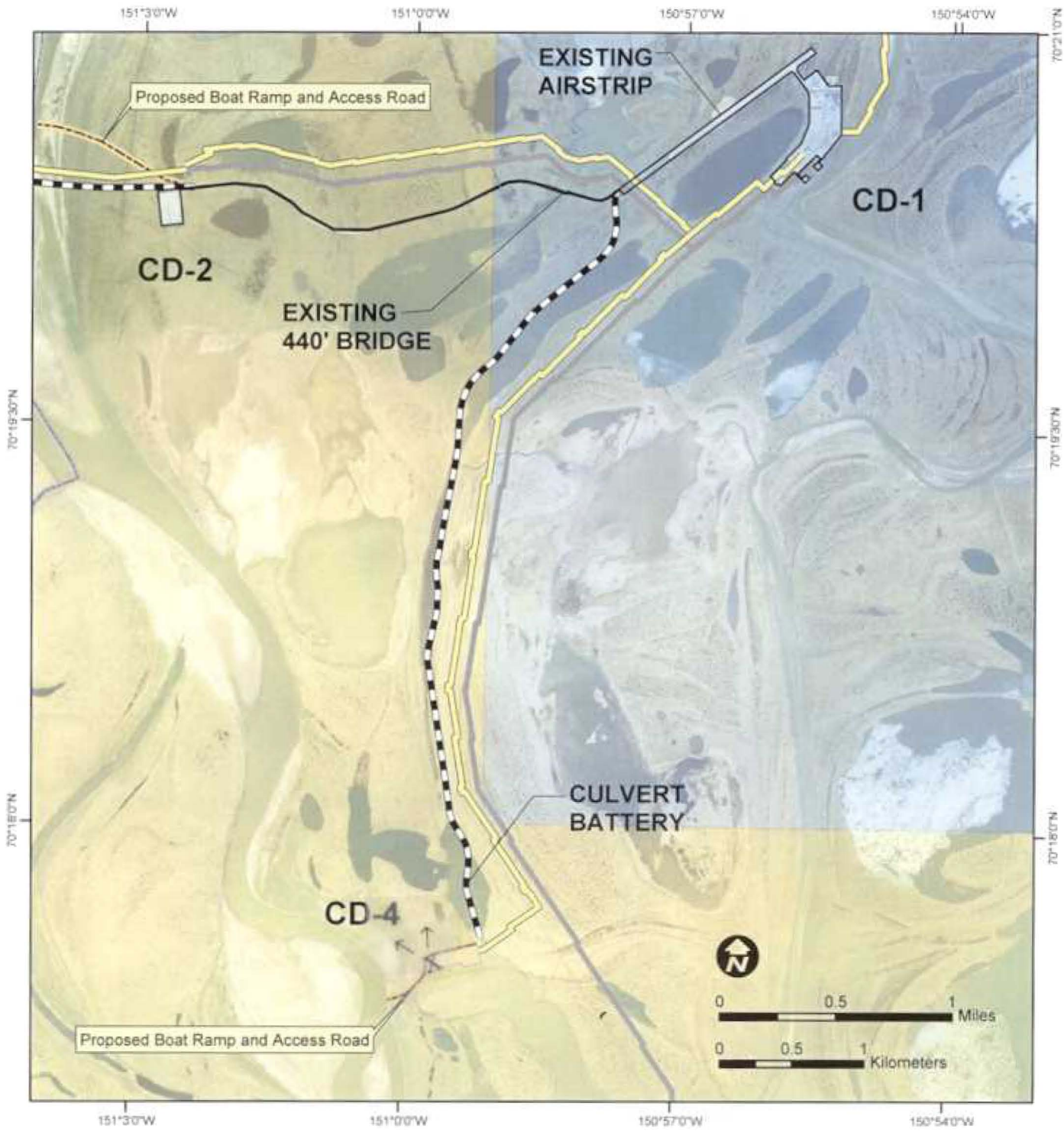
↑ = flow direction

Notes:
1) Horizontal Datum NAD 83, Coordinate System Alaska Albers Equal Conic, Feet
2) Basemap generated from coverages provided by CPAI and the BLM
3) Road and pipeline route information from PN&D, Draft Conceptual Routes Drawing, 9/11/2003
4) Locations of proposed infrastructure are approximate

Lat. 70.4° N
Long. 150.9° W

Figure 2.4.1.1-2
CD-3 Site Map

MACTEC: Figure 2.3.8.1-2 cd3.mxd, December 14, 2003



Legend

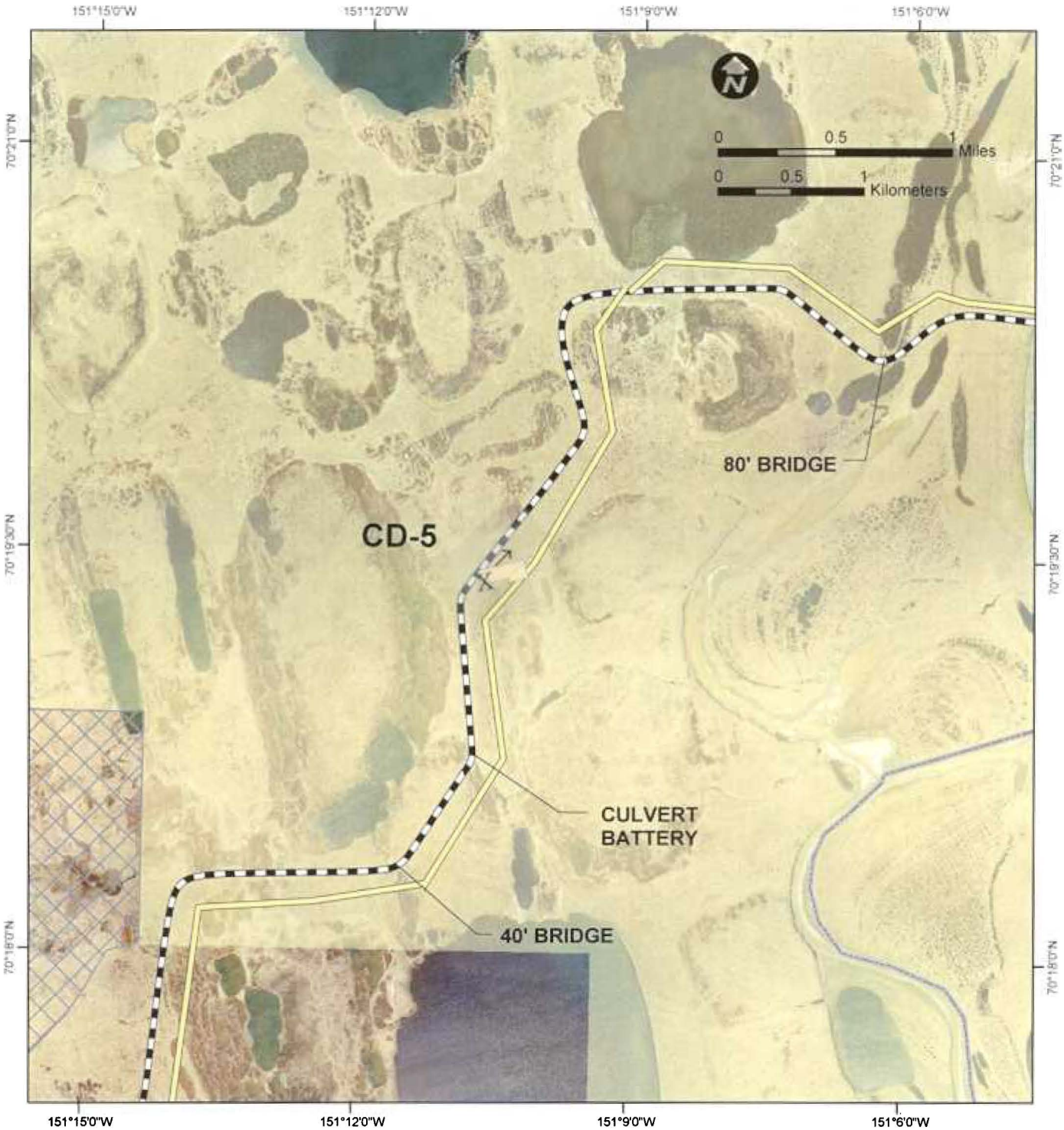
- Proposed Pad
- Proposed Access Road
- Proposed Pipeline Routes
- Existing Infrastructure
- Existing Pipeline
- Northeast NPR-A Planning Area
- State Land
- Native Land
- Discharge Area Habitat: Patterned wet meadow
- X = camp location
- ↑ = flow direction

Notes:
1) Horizontal Datum NAD 83, Coordinate System Alaska Albers Equal Conic, Feet
2) Basemap generated from coverages provided by CPAI and the BLM
3) Road and pipeline route information from PN&D, Draft Conceptual Routes Drawing, 9/11/2003
4) Locations of proposed infrastructure are approximate

Figure 2.4.1.1-3
CD-4 Site Map

Lat. 70.3° N
Long. 151.0° W

MACTEC: Figure 2.3.8.1-3 cd4.mxd, December 14, 2003



Legend

- Proposed Pad
- Proposed Access Road
- Proposed Pipeline Routes
- Native Land
- BLM Land
- 3-Mile Fish Creek Buffer

Discharge Area Habitat:
Patterned wet meadow
or
Moist tussock tundra

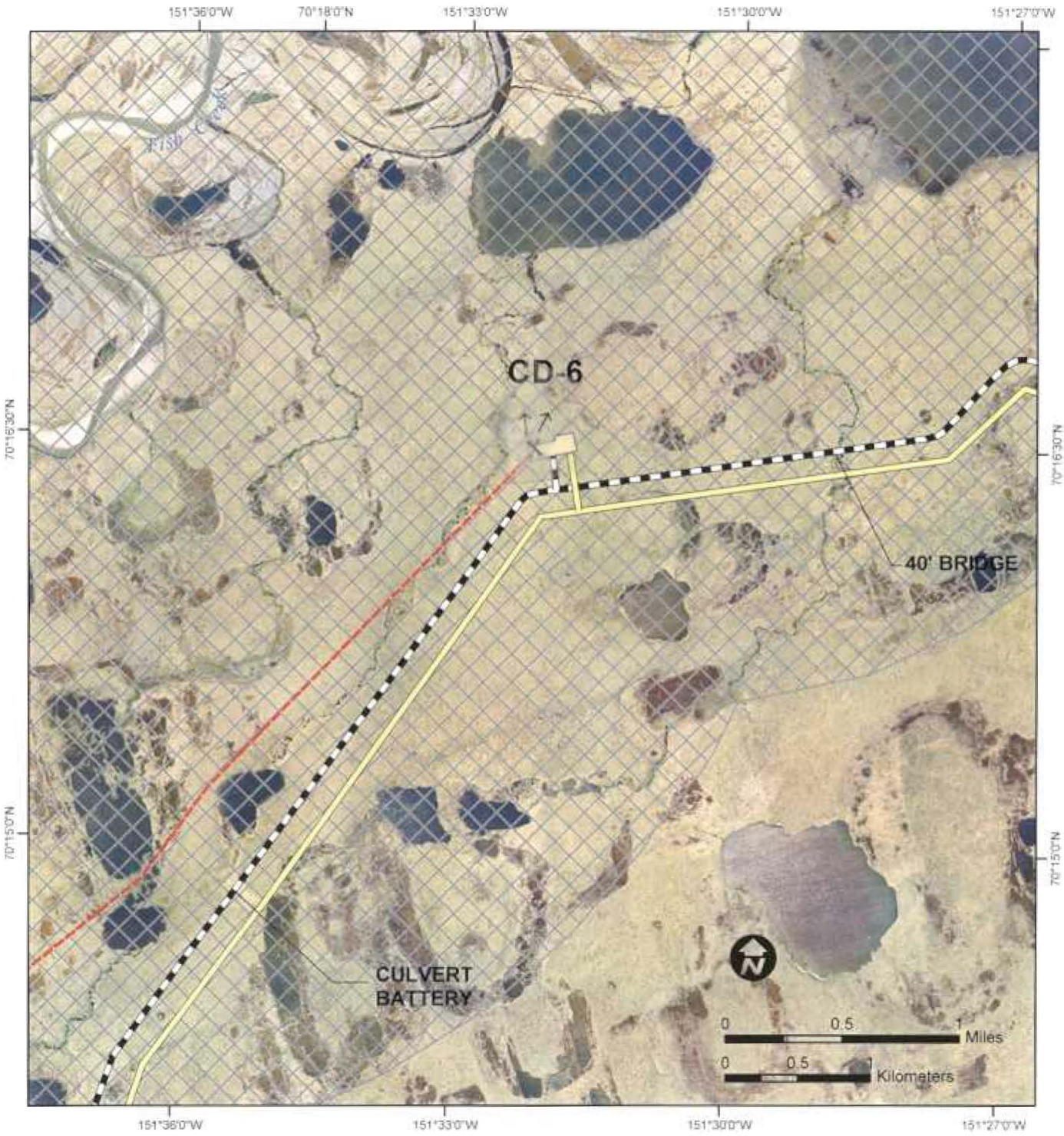
X = camp location
↑ = flow direction

Notes:
1) Horizontal Datum NAD 83, Coordinate System Alaska Albers Equal Conic, Feet
2) Basemap generated from coverages provided by CPAI and the BLM
3) Road and pipeline route information from PN&D, Draft Conceptual Routes Drawing, 9/11/2003
4) Locations of proposed infrastructure are approximate

Figure 2.4.1.1-4
CD-5 Site Map

Lat. 70.3° N
Long. 151.2° W

MACTEC: Figure 2.3.8.1-4 cd5.mxd, December 14, 2003



Legend

Discharge Area Habitat: Moist tussock tundra

- Proposed Pad
- Proposed Access Road
- Proposed Pipeline
- Proposed Overhead Powerline
- 3-Mile Fish Creek Buffer

X = camp location

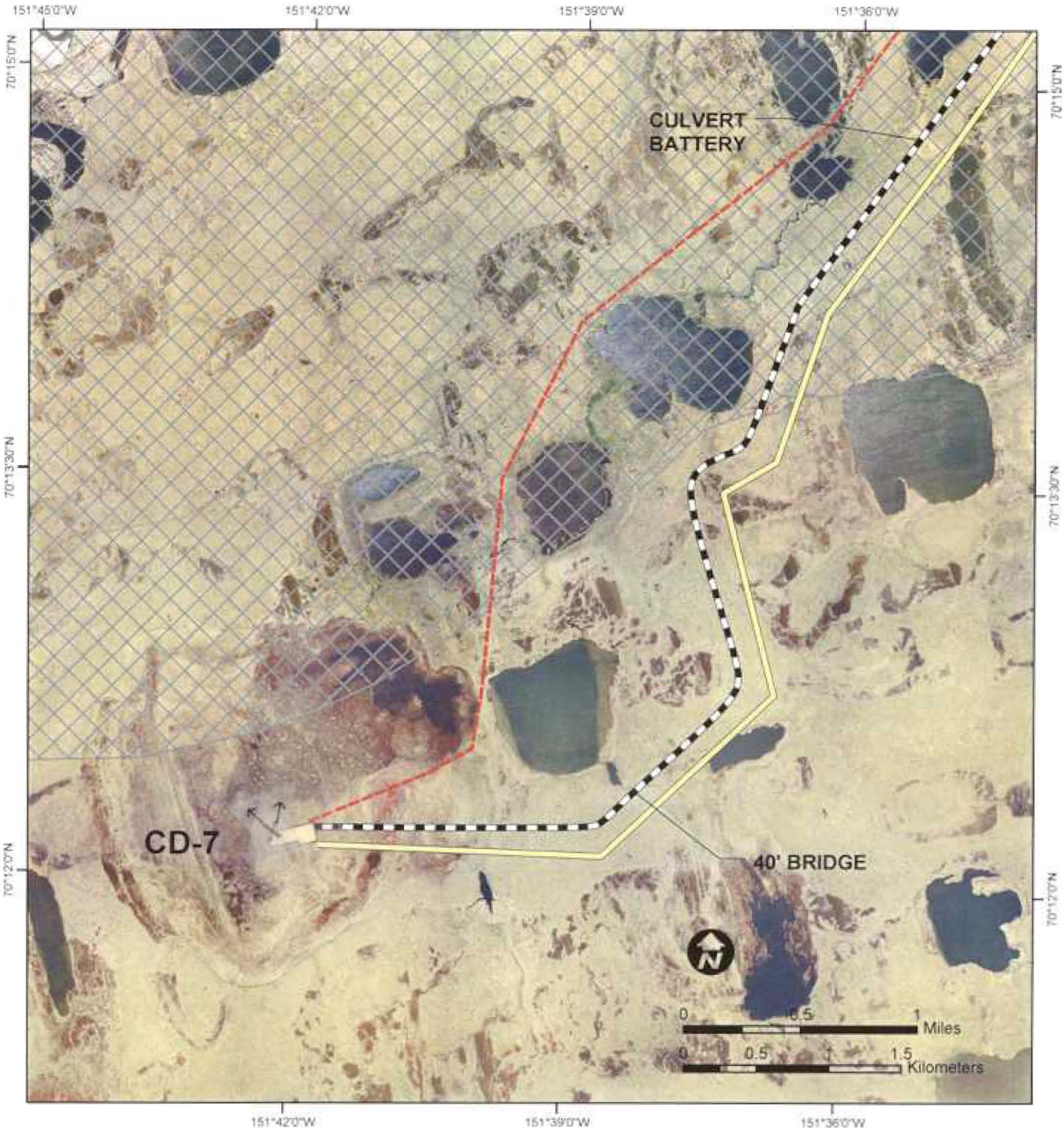
↑ = flow direction

Notes:
1) Horizontal Datum NAD 83, Coordinate System Alaska Albers Equal Conic, Feet
2) Basemap generated from coverages provided by CPAI and the BLM
3) Road and pipeline route information from PN&D, Draft Conceptual Routes Drawing, 9/11/2003
4) Locations of proposed infrastructure are approximate

Figure 2.4.1.1-5
CD-6 Site Map

Lat. 70.3° N
Long. 151.5° W

MACTEC: Figure 2.4.1.1-5 cd6.mxd, December 14, 2003



Legend

Discharge Area Habitat:
Non patterened wet meadow

- Proposed Pad
- Proposed Access Road
- Proposed Pipeline
- Proposed Overhead Powerline
- 3-Mile Fish Creek Buffer

X = camp location

↑ = flow direction

Notes:
1) Horizontal Datum NAD 83, Coordinate System Alaska Albers Equal Conic, Feet
2) Basemap generated from coverages provided by CPAI and the BLM
3) Road and pipeline route information from PN&D, Draft Conceptual Routes Drawing, 9/11/2003
4) Locations of proposed infrastructure are approximate

Figure 2.4.1.1-6
CD-7 Site Map

Lat. 70.2° N
Long. 151.7° W

MACTEC: Figure 2.4.1.1-6 cd7.mxd, December 14, 2003