



AICC Situation Report / Current

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ALASKA INTERAGENCY COORDINATION CENTER
SITUATION REPORT
SUNDAY, AUGUST 3, 1997
PREPAREDNESS LEVEL III

FIRE HISTORY:

	NEW	CARRYOVER	OUT	FIRES-TO-DATE	ACRES-TO-DATE
AFS TOTALS	7	23	2	117	856,882.9
GAD (GALENA)	6	8	2	49	769,105.0
MIL (MILITARY)	0	3	0	10	3,440.3
TAD (TANANA)	1	9	0	39	38,983.5
UYD (UPPER YUKON)	0	3	0	19	45,354.1
STATE TOTALS	1	62	0	525	823,306.6
CRS (COPPER R.)	0	0	0	20	9.1
DAS (DELTA)	0	0	0	15	1,498.4
FAS (FAIRBANKS)	0	6	0	154	6,908.9
HNS (HAINES)	0	0	0	5	23.4
KKS (KENAI)	0	2	0	75	14,245.8
MSS (ANC-MATSU)	0	3	0	123	152.4
SWS (MCGRATH)	1	44	0	108	779,727.0
TAS (TOK)	0	7	0	25	20,741.6
USFS TOTALS	0	1	0	28	86.4
CGF (CHUGACH)	0	0	0	20	16.8
CMF (TONGASS)	0	0	0	2	22.0
KNF (TONGASS)	0	1	0	4	47.4
STF (TONGASS)	0	0	0	2	0.2

INCIDENTS:

AFS #	COORDINATES	AREA	OWNER	UNIT	CAUSE	ACRES	STATUS	MGMT	OPT.
STATE#	LEGAL DESCRIPTION							DISCOVERY	DATE
USFS#	NARRATIVE								

NEW AFS:

B680	6534 16229	GAD	STA	L&W	L	350.0	U/U	MOD	
731860	T002N R018W S19	K						08/02/97	

HOLTZ CREEK FIRE: FIRE CALLED IN BY PRIVATE AIRCRAFT AND FLOWN BY 900RA. INITIALLY 100% ACTIVE. AT 2000 MANY SMOKES SEEN BUT NO FLAMES. PLOTS IN MODIFIED TURNED LIMITED. SURROUNDED BY NATURAL BARRIERS. 350AC. FIRE ON MONITOR STATUS.

was law for bears and such but there was no law against feeding gulls or ravens. The stipulation was approved.

The proposed stipulation on fuel caused a discussion of the size of the basin—fuel drains for a long distance into these lakes. Fuel is required during construction of the pad, and you can't store fuel on pads before they're built. There was mention that there is a difference between what's adequate for geese and for water quality. There were questions about whether fuel should be required to be outside the buffer zone, and whether this would be addressed elsewhere in the draft EIS. They decided to add "see existing regulations."

Finally, the group had three recommendations in addition to the stipulations. The topics were (1) enforcement, (2) monitoring program, and (3) subsistence.

B682 6550 16400 GAD NPS BLP L 5.0 OUT LIM
T005N R025W S18 K 08/02/97
BRYAN CREEK FIRE: REPORTED BY NPS. PLOTS IN LIMITED. FLOWN BY
900RA. DECLARED OUT AT 5AC.

B683 6458 15054 TAD NCA BEAN L 1.0 S/U FUL
T002N R017W S25 F 08/02/97
BEAN RIDGE: ZONE DETECTION N84023 REPORTED THE FIRE 8 MILES WEST
OF MANLEY HOT SPRINGS, ON THE NORTH BANK OF THE TANANA RIVER. IT
WAS 1 ACRE, WITH 1' FLAME LENGTHS, BURNING IN GRASS ON A SOUTH
SLOPE WITH BRUSH AND HARDWOODS ABOVE THE FIRE. THE FIRE PLOTTED IN
A FULL PROTECTION MANAGEMENT AREA AND SMOKEJUMPERS WERE REQUESTED.
A PUMP SHOW WAS SET UP AND THE FIRE BE DEMOED BY 8/3 P.M. I.C.
J. KAWCZYNSKI + 7.

B684 6438 15734 GAD NCA DOYON L 2.0 U/U LIM
T010S R006E S12 K 08/02/97
SOONKAKAT CREEK: FIRE DISCOVERED BY J-02 ENROUTE TO ANOTHER FIRE.
30% ACTIVE IN SPRUCE/TUNDRA. PLOTS IN LIMITED. FIRE ON MONITOR
STATUS.

B685 6550 16154 GAD STA L&W L 15.0 U/U MOD
731685 T005N R015W S18 K 08/02/97
RAIN GULCH FIRE: FIRE REPORTED BY EMPLOYEE OF NPS. PLOTS IN
SPECIAL MODIFIED. IA BY J-68. NO FIRE FOUND.

B686 6610 16400 GAD NPS BLP L 15.0 OUT LIM
T009N R025W S21 K 08/02/97
PISH RIVER: REPORTED BY NPS. PLOTS IN LIMITED. FLOWN BY 900RA.
DECLARED OUT AT 15AC.

B687 6520 16255 GAD NPS BLP L 15.0 U/U LIM
T002S R021W S11 K 08/02/97
KOYUK RIVER FIRE: REPORTED BY NPS. PLOTS IN LIMITED. NOT FLOWN DUE
TO POOR FLYING CONDITIONS.

NEW STATE:

6411 45652 DAS STA PARK F/A 0.0 OUT CRI
712679 T008S R010E SSENE30 F 08/02/97
CALL TURNED OUT TO BE FALSE ALARM.

B681 6127 15607 SWS STA L&W H 0.2 S/C MOD
704681 T016N R038W S28 S 08/02/97
TISHIMNA LAKE: 97U REPORTED CAMPFIRE SIZE FIRE IN LARGE WHITE
SPRUCE. FIRE PLOTTED IN MODERATE PROTECTION AND 4 SMJS WERE
DROPPED. FIRE WAS ABOUT .2 ACRES AT 1840. PLANNED DEMOBE IS FOR
8/3 AT 2000. I.C. LYONS + 3

NEW USFS: NONE

CARRYOVER AFS:

3262 6438 14638 MIL MIL ARMY H 910.0 U/U FUL
732262 T003S R005E S24 F 06/05/97

Draft Stipulations: Waterfowl

1. Exploration and development activities will avoid critical feeding habitat types unless otherwise accepted in consultation with BLM, FWS, NSB, and Alaska Fish and Game.
2. Restrict access via roads or infrastructure by public into molting area.
3. Restrict/minimize/consolidate roads and facilities to the extent possible. Intrafield roads only are preferable. We don't want roads all over the molting area.
4. Road gravel fill removed upon oil field abandonment so that roads are made unusable.
5. Buffers will be added to protect goose molting area.
6. Cross-drainage structures will be sited and maintained and properly abandoned so as to prevent impoundment or alteration of hydrology.
7. Material sites are subject to buffers and seasonal restrictions.
8. Restrict water extraction from lakes used by molting geese.
9. Facility layout shall incorporate features that screen/shield human activity from view of the closest goose molting lake.
10. Putrescible garbage needs to be handled/disposed of such that predators will not have access. Plan so that waste production is minimized.
11. Feeding of any wildlife prohibited.
12. Restrict hazardous materials to existing pads. Standard fuel storage stipulations. See existing regulations.

Seasonal Stipulations from June 15 to August 20 or 30 (to be determined):

13. Aircraft access minimized. Helicopter overflights suspended except in emergency. Routine fixed-wing flights limited to two round-trip flights per week. Flight corridors established, designated routes that minimize

BRIGADIER FIRE: FIRE NOT MONITORED.

B280 6334 15712 GAD FWS INN L 365865.0 S/U LIM
732280 T022S R008E S13 K 06/07/97
SIMELS FIRE: REPORTED BY GALENA ZONE: FIRE NOT FLOWN DUE TO
RESOURCE COMMITMENTS TO HIGHER PRIORITY FIRES.
REPORTED BY SOUTHWEST AREA: FIRE REMAINS ACTIVE AND IS 2.5 MILES
WEST OF BEAR CREK. CREWS MADE GOOD PROGRESS. SLOPOVER IS 75%
CONTAINED. IC JONES +51 SIGNATURE CABIN PROTECTION COMPLETED AND
DEMOBED; SITE PROTECTION NOW AT GRAHAM MINE WITH IC LONG +3.
ACREAGE AND STAFFING SHOWN ARE FROM SOUTHWEST AREA'S REPORT.

B289 6626 15505 GAD BLM NOD L 30300.0 U/U LIM
T012N R018E S20 K 06/08/97
KOKHILA HILLS FIRE: CONTINUOUS 1 MILE FRONT BACKED BY SOUTH WIND.
BURNING IN TUSSOCK TUNDRA & SCATTERED BLACK SPRUCE. APX. 600AC
GAIN SINCE 7/30.

B309 6338 15825 GAD FWS INN L 290409.0 S/U LIM
732309 T021S R002E S35 K 06/10/97
MAGITCHLIE CR. FIRE: DAMP FUELS PREVENTED COMPLETION OF BURN-OUTS.
WILL ATTEMPT TO FINISH BURN-OUTS OF WEST & SOUTHEAST LINES 8/3.

B403 6218 16100 GAD BLM AND L 4160.0 U/U LIM
T026N R063W S32 S 06/26/97
HAWK RIVER FIRE: FIRE NOT FLOWN DUE TO HIGHER PRIORITY FIRES.

B411 6333 15133 TAD NPS DEP L 1405.0 U/U LIM
T016S R021W S02 F 06/27/97
SLIPPERY CREEK FIRE: FIRE NOT MONITORED.

B444 6541 14916 TAD STA L&W L 1740.0 U/U LIM
731444 T010N R008W S18 F 07/01/97
HESS CREEK FIRE: ZONE DETECTION REPORTED SEEING 3-4 SMOKES.

B447 6447 14737 MIL MIL ARMY H 3.0 U/U LIM
T001S R001E S30 F 07/01/97
SMALL ARMS RANGE: THE FIRE WAS NOT FLOWN TODAY.

B450 6320 15148 TAD NPS DEP L 4220.0 U/U LIM
T018S R022W S29 F 07/01/97
FORAKER FIRE: FIRE NOT MONITORED.

B484 6608 14323 UYD STA L&W L 44800.0 U/U LIM
731484 T015N R021E S18 F 07/03/97
HARDY FIRE: FIRE NOT MONITORED.

B485 6601 14818 UYD FWS YKF L 25.0 U/U LIM
T014N R004W S25 F 07/03/97
ALFRED CREEK FIRE. FIRE NOT MONITORED.

B504 6641 15512 GAD NPS GAP L 6800.0 U/U LIM
T015N R017E S21 K 07/04/97
LOCKWOOD HILLS FIRE: RIDGE ON NORTH FLANK SMOLDERING & HAS GROWN
1/3 MILE. SOUTHEAST FLANK HAS REACHED CREEK. INCREASED 300AC.

disturbance to waterfowl. Generally 3 km lateral from high use areas.
Use of corridors mandatory except in emergency.

14. Off-pad activity shall be prohibited except in emergencies unless otherwise accepted in consultation with BLM, FWS, NSB, and AlaskaFish and Game.
15. Construction activities suspended unless otherwise accepted in consultation with BLM, FWS, NSB, and AlaskaFish and Game.
16. Road traffic minimized. Transportation of personnel between camps/pad facilities limited to coincide with shift changes. Nonessential operations requiring vehicles other than passenger vehicles shall be suspended.
17. Public access via and use of oil field facilities shall be restricted.

Recommendations

1. Subsistence—process needs to be set up to manage this.
2. Enforcement?
3. Monitoring program on effects of oil development on molting geese, both pre and post. Integrated monitoring team needs to be explored.

B570 6357 15101 TAD NPS DEP L 1100.0 U/U LIM
 T011S R018W S23 F 07/17/97
 BEAR FIRE: ZONE DETECTION REPORTED THE FIRE WAS INACTIVE, WITH
 ABOUT A DOZEN SMOKES.

B576 6353 15335 TAD BLM NOD L 400.0 U/U LIM
 T018S R027E S34 K 07/18/97
 SETHKOKONA: FIRE NOT MONITORED.

B589 6156 16107 GAD BLM AND L 3283.0 S/U FUL
 732589 T021N R065W S03 S 07/19/97
 CHINIKLIK MT. FIRE: WEST PERIMETER HOT SPOTS FOUND BY PROBEYE &
 MOPPED UP. EAST NOT PROBEYED. NO SIGNIFICANT INCREASE IN FIRE
 ACTIVITY. N. STARS MOVED TO B625 TO HELP CONTAIN SLOPOVER, WILL
 RETURN TO B589. WILL CONTINUE MOP-UP & CONTAINING DIV. E. 90%
 CONTAINED, EST. CONTAINMENT: 8/5 3,283AC. TODAY'S COST: \$89,786
 TOTAL: 1,040,935.

B621 6530 16422 GAD BLM NOD L 53000.0 U/U LIM
 T001N R027W S07 K 07/22/97
 GARFIELD CREEK FIRE: RECEIVED WIDESPREAD PRECIP. GROWTH ON ALL
 SIDES HAS STOPPED. MANY SMOKES STILL VISIBLE. NO STRUCTURES OR
 HISTORICAL SITES THREATENED. FIRE IS UNSTAFFED.

B625 6159 16020 GAD BLM AND L 1540.0 S/U FUL
 T022N R061W S23 S 07/22/97
 PAIMIUT FIRE: TRACE PRECIP. IN LAST 10 DAYS & HIGH WINDS CAUSED AN
 ESCAPEMENT ON NORTH SIDE IN DIV. C. 343AC LOST. 5 LOADS RETARDANT
 & 1 LOAD SMJ'S DROPPED. PLAN TO MAINTAIN CONTAINMENT OF SOUTH &
 EAST SIDES & RE-EVALUATE ACTION ON NORTH SIDE W/LAND MGRS.
 1,540AC. EST. CONTAINMENT: 8/15 TODAY'S COST: \$11,270 TOTAL:
 \$337,631

B632 6441 14806 MIL MIL ARMY H 0.2 U/U LIM
 T002S R003W S34 F 07/23/97
 WILLOW: FIRE NOT MONITORED.

B655 6555 14738 UYD FWS YKF L 5.0 U/U LIM
 T013N R001E S30 F 07/29/97
 MT. SCHWATKA: FIRE NOT MONITORED.

B657 6441 15252 TAD FWS NOW L 150.0 U/U LIM
 T003S R027W S01 F 07/29/97
 BIG MUD: THE FIRE SHOWED LITTLE ACTIVITY, JUST CREEPING WITH LOTS
 OF SMOKES.

B675 6530 15135 TAD BLM NOD L 100.0 U/U LIM
 T008N R020W S24 F 08/01/97
 PTARMIGAN: ZONE DETECTION REPORTED SEEING NO SMOKES.

B677 6542 15424 TAD FWS KUK L 150.0 U/U MOD
 T004N R022E S05 K 08/01/97
 KITALITNA: ZONE DETECTION REPORTED THAT THE FIRE WAS VERY ACTIVE ON
 THE SOUTH AND WEST PERIMETERS AND HAD GROWN TO 150 ACRES.

B678 6533 15341 TAD BLM NOD L 125.0 U/U LIM

Proceedings of the Caribou Group

Attendees: Dave Yokel, Geoff Carroll, Dick Schdeler, Brian Lawhead, Brad Griffith, Joseph Dygas, Marie Crosley, Bill Van Dyke, Craig George, Ken Whitten.

The facilitator posed the question, What is it about the Teshekpuk Lake area that makes it special to caribou?

1. Calving Ground:

- fewer predators
- habitat: there is more micro-relief. Snow blows away in winter and provides for certain plant/habitat types and wider feeding options
- less human disturbance
- cows and calves are usually in areas with greater micro-relief
- traditional use by herd (some semblance of Teshekpuk herd present in distant past; probably not new but overlooked because not in a large herd)
- overall, we have little information

2. Summer Use Area/Insect Relief/Summer Forage

- proximity to coast/delta—get into wind, cooler temperatures
- closer to coast—insects emerge later
- adequate forage close to insect relief area (need to eat while seeking relief). Herd ranges 30 km from coast. Expenditure of energy to get away from insects vs. intake of energy from browsing vs. energy expended traveling to different areas for food.
- prevailing winds

No known area is used more than others. The caribou seem to move north and westward when insects are bad.

T002N R025E S28 K 08/01/97
BACON: ZONE DETECTION REPORTED THAT THE NORTHEAST AND SOUTHWEST
ENDS OF THE FIRE WERE VERY ACTIVE, BURNING MOSTLY IN TUNDRA WITH
SOME BLACK SPRUCE. THE FIRE HAS GROWN TO 125 ACRES.

CARRYOVER STATE:

B363 6126 15457 SWS BLM AND L 2850.0 U/U LIM
704363 T016N R032W S35 S 06/23/97
TOUGH: FIRE WAS NOT MONITORED TODAY DUE TO OTHER AREA PRIORITIES.

B373 5923 15732 SWS NCA L 1000.0 U/C FUL
704373 T009S R049W S09 S 06/24/97
KLUTUK: 210HD RECONNED FIRE AND OBSERVED ON VISIBLE SMOKES.

B380 6101 15653 SWS STA L&W L 71760.0 U/U LIM
704380 T011N R043W S22 S 06/24/97
TITNUK CREEK: 210HD REPORTED SCATTERED SMOKES ON THE SOUTHEAST
INTERIOR NEAR HILLTOPS. SMOKES MOSTLY IN MIXED SPRUCE AND
HARDWOOD STANDS THROUGHOUT THE FIRE. SMOKE ON AND AROUND FULLER
MOUNTAIN. FIRE IS SHOWING LOW INTENSITY SMOLDERING WITH ISOLATED
TORCHING. MONITOR STATUS.

B391 6201 15720 SWS BLM AND L 4.0 OUT MOD
704391 T022N R044W S04 S 06/25/97
TRACTOR: FIRE 391 WAS CONSUMED BY FIRE 393 AT 1700 ON 8/2. FIRE
391 DECLARED OUT.

5955 15755 SWS STA L&W L 20280.0 U/C LIM
704392 T003S R051W S12 S 06/25/97
NUYAKUK: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

B393 6159 15705 SWS BLM AND L 521900.0 S/U LIM
704393 T022N R042W S24 S 06/25/97
INOWAK: FIRE CONTINUES TO BURN ACTIVELY IN THE NORTHERN REACHES
AND ON THE EASTERN FLANK. WIND WAS A KEY FACTOR IN SPREADING THE
FIRE TODAY. FIRE BURNS SLOWLY, BUT INTENSELY INTO THE WIND WHERE
HEAVY MOSSEXISTS. ALLOTMENT PROTECTION CONTINUES. ONE CREW AND
EIGHT OVERHEAD WERE DEMOBED TODAY. I.C. DUBE + 231

6009 15825 SWS STA L&W L 5060.0 U/U LIM
704401 T001N R053W S25 S 06/26/97
TIKCHIK: 210HD RECONNED FIRE AND OBSERVED NO VISIBLES SMOKES.

B407 6422 14652 FAS PRI H 400.0 U/C FUL
711407 T006S R004E SSWNW25 F 06/27/97
MIDWAY: NO NEW INFORMATION; FIRE REMAINS ON MONITOR STATUS.

6121 15443 SWS STA L&W L 6.0 U/U LIM
704432 T015N R030W S31 S 06/30/97
UNDERHILL: FIRE WAS NOT MONITORED TODAY DUE TO OTHER AREA
PRIORITIES.

- sea ice in some areas may make it cooler, so better relief from insects
- don't have enough data on summer forage
- caribou seem to be in good shape, so they must be getting good forage somewhere

3. Year-round Use

- this is a use area year-round, as compared to Central Arctic herd
- more use between Teshekpuk Lake and Fish Creek (from recent satellite information) even during severe winter range conditions, which are early winter rains and heavy snow
- variable 10 to 100 percent
- fewer lichen and more sedges in diet during winter than some other herds

Recent data show part of the Teshekpuk Herd migrates south of the Brooks Range, but many are using the Teshekpuk area during the winter. During the late 1970s and early 1980s, it seemed that almost all were in the northern area. However, they didn't have satellite collars so we may have had a distorted view. There may be confusion in the future between oil industry effects and weather effects on winter migration. The Teshekpuk herd may not be as dependent on lichen forage as other herds, because they have options.

4. Few Predators

- not enough prey base to keep predators in area year-round
- caribou migratory behavior is erratic; if caribou are not in the area there is nothing else for predators to eat
- may be more hunting pressures on predators in the Teshekpuk Lake area

B442 6338 14328 TAS BLM NOD L 3000.0 U/U MOD
 713442 T022N R010E SNESW34 C 07/01/97
 FIRE NOT FLOWN TODAY, RAIN RECEIVED.

B460 6309 14200 TAS NCA L 1115.0 U/C FUL
 713460 T016N R018E SNWSE21 C 07/02/97
 FIRE NOT FLOWN TODAY, RAIN RECEIVED.

B462 6439 14603 FAS STA L&W L 4222.0 S/U MOD
 711462 T003S R009E SSESE18 F 07/02/97
 BUTTE CREEK: MINIMAL FIRE ACTIVITY. DEMOBE PLANNED FOR MORNING OF
 8/3.

B466 6257 14117 TAS STA L&W L 750.0 U/U LIM
 713466 T014N R022E SNESW32 C 07/02/97
 FIRE NOT FLOWN TODAY, RAIN RECEIVED.

B467 6344 14249 TAS BLM NOD L 45.0 U/U MOD
 713467 T023N R013E SNENW35 C 07/02/97
 FIRE NOT FLOWN TODAY, RAIN RECEIVED.

6333 14147 TAS STA L&W L 15360.0 U/U LIM
 713468 T021N R019E SNESW33 C 07/02/97
 FIRE NOT FLOWN TODAY, RAIN RECEIVED.

B486 6501 14707 FAS STA SMHL L 1280.0 U/C MOD
 711486 T002N R004E SNWSE17 F 07/03/97
 GOLD CREEK: NO NEW INFORMATION; FIRE REMAINS ON MONITOR STATUS.

6501 14538 FAS STA L&W L 225.0 U/U LIM
 711488 T002N R011E SNWSW07 F 07/03/97
 MIDDLE FORK CHENA: NO NEW INFORMATION; FIRE REMAINS ON MONITOR
 STATUS.

6102 15854 SWS STA L&W L 28550.0 U/U LIM
 704506 T011N R054W S20 S 07/04/97
 TIMBER CREEK: 210HD FLEW FIRE AND OBSERVED SCATTERED REBURNS IN
 THE INTERIOR AT THE SOUTHEAST END. FIRE IS SMOLDERING AT BOTH
 SIDES OF TIMBER CREEK AT THE NORTH END. MONITOR STATUS.

B508 6236 14110 TAS FWS TET L 80.0 U/U LIM
 713508 T010N R023E SSWNW22 C 07/04/97
 FIRE NOT FLOWN TODAY, RAIN RECEIVED.

6032 15518 SWS STA L&W L 190.0 U/U LIM
 704511 T005N R035W S18 S 07/04/97
 DUMMY CREEK: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

6329 15537 SWS STA L&W L 44160.0 U/U LIM
 704516 T023S R017E S20 S 07/05/97
 WEST FORK NIXON: 64E REPORTED AN INCREASE IN SIZE IN THE AREA THAT
 BURNED WEST OF THE SUSULATNA RIVER, BUT WAS ONLY SMOLDERING ON THE
 SOUTHWEST SECTION OF THE NEW BURN. MAJORITY OF THE FIRE EAST OF
 THE RIVER WAS NOT VISIBLE DUE TO A LOW CEILING.

B529 6011 16009 SWS FWS YKD L 6430.0 U/U MOD

- wolves may move into area temporarily, but probably not long-term

5. Most Important Herd For Resident Hunters

- Barrow, Wainwright, Nuiqsut, Atqasuk, some Point Hope. Hunting takes place wherever the people and caribou co-occur.
- Nuiqsut use is increasing due to summer herd use and winter snowmachine travel
- as herd is expanding further west, Atqasuk is using more
- less than or equal to 10 percent of herd is harvested for subsistence
- accessibility could go up (or down) with improved access from oil field activity
- difficult to cross gravel roads with a loaded sledge
- social—residents don't like oil companies telling them they can't hunt
- no buffer around Kuparuk oil field. May have oil company policy, but no regulations
- at the Alpine field, Nuiqsut and ARCO are negotiating subsistence hunting rules
- easier access to hunt than at Kuparuk development

Impacts to Above List

1. Calving Ground

- actual loss of habitat
- functional loss of calving habitat due to avoidance of activity (human, traffic, etc.)
- possibility of increased predation due to attracting predators

704529 T001N R063W S11 S 07/06/97
BREAST: 210HD REPORTED SCATTERED SMOKES AT EAST SOUTHEAST END. 50
ACRE GAIN OVER THE LAST THREE DAYS.

6455 14421 FAS STA L&W L 530.0 U/U LIM
711532 T001N R017E SNENE07 F 07/06/97
LOST CREEK: NO NEW INFORMATION; FIRE REMAINS ON MONITOR STATUS.

B542 5911 15720 SWS BLM AND L 140.0 U/U MOD
704542 T011S R048W S34 S 07/08/97
KOGGILING #2: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

B543 5848 15833 SWS NCA H 25.0 U/C FUL
704543 T016S R056W S02 S 07/08/97
EKUK: FIRE WAS NOT MONITORED TODAY DUE TO OTHER AREA PRIORITIES.

6110 14922 MSS STA PARK H 0.1 U/C LIM
701545 T013N R001W SNWSE36 S 07/08/97
SYMPHONY FIRE: ON MONITOR STATUS

6038 15018 KKS FWS KNA L 31.0 U/U MOD
703554 T006N R006W SNE 18 S 07/09/97
USFWS HAS BEEN MONITORING. STILL IN MONITOR STATUS.

B555 6023 15116 KKS PRI H 90.0 U/C CRI
703555 T004N R012W SSWNE36 S 07/09/97
FIRE REMAINS IN MONITOR STATUS. NOT CHECKED TODAY.

B557 6245 14202 TAS FWS TET L 385.0 U/U MOD
713557 T011N R018E SNENE09 C 07/10/97
FIRE NOT FLOWN TODAY, RAIN RECEIVED.

5939 15537 SWS STA L&W H 0.5 U/U LIM
704563 T006S R037W S17 S 07/15/97
ILIAMNA: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

B568 6330 15353 SWS STA L&W L 8.0 U/C MOD
704568 T023S R026E S17 S 07/17/97
HARDSCRABBLE: FIRE WAS NOT MONITORED TODAY DUE TO OTHER AREA
PRIORITIES.

B581 6142 15812 SWS BLM AND L 1580.0 U/C MOD
704581 T019N R049W S33 S 07/19/97
OSKAWALIK: NO PERSONNEL ARE ON THE FIRE. IR IS ORDERED FOR A.M.
ON 8/3. MONITOR STATUS.

B592 6110 16010 SWS NCA L 130.0 U/C FUL
704592 T012N R061W S06 S 07/20/97
SOUTH BOGUS: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

6142 15845 SWS BLM AND L 1.5 U/U FUL
704595 T019N R052W S29 S 07/20/97
SUTER CREEK: FIRE WAS NOT MONITORED TODAY DUE TO HIGHER
PRIORITIES.

6243 15718 SWS STA L&W L 2700.0 U/U LIM

- more human disturbance
- “higher relief” is preferred by caribou but is also preferred by development, so greater potential for affecting habitat
- resultant over-crowding on remaining used habitat
- aircraft impacts
- network effects—density of development

2. Summer Use/Insect Relief/Summer Forage

- impediment of movement between foraging and insect relief habitats (and movement along coast)
- coastal development might interrupt use of insect relief habitat
 - gravel pads will impact use of habitat
 - gravel pads will provide relief from insects
 - both impact and benefit
- use of manmade structures during insect season may or may not result in less efficient feeding
- collisions with vehicles
- cumulativeness of impacts, i.e., insect relief and access to forage
- if impediments slow movements, there may be a cumulative energetic cost
- more impediments increase cost to a threshold

3. Year-round Use

- disturbance could cause caribou to move around more in winter, creating more energetic cost and possibly functional habitat loss
- degree of separation of pipelines and roads, accumulation of snow

704598 T030N R043W S02 S 07/20/97
DEADWOOD: 64E WAS NOT ABLE TO VIEW THIS FIRE DUE TO SMOKE FROM
FIRE 393.

5910 15845 SWS STA L&W L 0.1 U/U FUL
704602 T012S R056W S05 S 07/21/97
NUN LAKE: FIRE WAS NOT MONITORED TODAY DUE TO OTHER AREA
PRIORITIES.

6148 14837 MSS PRI L 0.1 U/C FUL
701605 T020N R005E SSENW30 S 07/21/97
IDA LAKE FIRE: ON MONITOR STATUS

B606 6158 15811 SWS BLM AND L 11.0 S/U FUL
704606 T022N R049W S23 S 07/21/97
CREVICE CREEK: 80% OF ORGINIAL FIRE REBURNED. NUMEROUS TREES
FALLING ACROSS THE LINE. MANY FLARE-UPS AND SHORT RUNS IN THE
AFTERNOON. STILL SMALL POSSIBILITY OF ESCAPE FROM INTERIOR
REBURN. HEAVY SAW AND MOP-UP WORK LOAD. NO RECENT RAIN IN AREA,
VERY DRY. ADJUSTED ESTIMATE OF CONTAINMENT IS 8/3 AT 2200. I.C.
MARSHALL + 29

B607 6146 15935 SWS BLM AND L 44300.0 U/U MOD
704607 T019N R057W S03 S 07/21/97
MANY LAKES: 210HD REPORTED THAT THE SOUTHWEST FLANK IS COLD. THE
SOUTHEAST IS ACTIVE AND BACKING INTO WIND. NORTHEAST IS STILL
CREEPING AND FILLING IN GREEN POCKETS. NORTH AND WEST FLANKS
SMOLDERING AS FIRE BURNS OUT AGAINST RIVER. ALLOTMENT TO
NORTHEAST IS TWO MILES FROM FIRE WITH NATURAL BARRIERS BETWEEN.

6324 15541 SWS STA L&W L 290.0 U/U LIM
704608 T024S R016E S24 S 07/21/97
PAGE: 64E RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

B611 6122 15910 SWS STA L&W L 180.0 U/C MOD
704611 T015N R055W S29 S 07/21/97
BUCKSTOCK RIVER: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE
SMOKES.

B612 5917 15603 SWS BLM AND L 1.0 U/U FUL
704612 T010S R040W S29 S 07/21/97
IGIUGIG: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

6124 15900 SWS STA L&W L 1240.0 U/U MOD
704613 T015N R054W S08 S 07/21/97
BUCK MOUNTAIN: 210HD REPORTED FIRE IS BEING FANNED BY 5 MPH WINDS.
FIRE GROWTH APPEARS LIMITED BY CREEK AT THE NORTHEAST. SMOKE
OBSURED THE NORTH END OF THE FIRE. ACREAGE GAIN IS IMPOSSIBLE TO
MAP.

B614 6054 16041 SWS FWS TGK L 30.0 U/U LIM
704614 T009N R064W S07 S 07/21/97
FOG: FIRE WAS RECONNED BY 210HD AND NO SMOKES WERE FOUND.

6322 15617 SWS STA L&W L 2000.0 U/U LIM
704616 T024S R013E S35 S 07/22/97

What you have to do is restrict activities, and that has to do with decreasing frequency of aircraft flights or restricting size of aircraft. It may be a situation where along the roads, even low rates of traffic may result in the same type of effect as higher rates. There's no way to avoid the behavioral sensitivity of cows and young calves to activity. So you have to constrain the activity or reduce it. In other words, have no vehicle traffic during calving season if you want to totally avoid behavioral effects along that road. This has never been stipulated or tested. There has been a lot of resistance by contractors and subcontractors. Caribou that see traffic in the winter may avoid the road in the summer during the calving period, when traffic is prohibited. We are aware of no evidence of any behavioral reaction to the roads themselves. There are places where caribou are calving very near study pads, but it's a small number of animals. They tend to be in areas where there is much less activity, and relatively near operating drill sites that have very low

Discussion

4. **Fewer Predators**
 - dropped this subject for this phase of analysis
 - leaving this until mitigations
5. **Most Important Herd for Resident Hunters**
 - can develop physical barriers with collection of snow along roads with adjacent pipelines
 - because caribou are there year-round, may have to extend traditional time frames (as compared to Western Arctic herd)
 - more potential for year-round hunting
 - more potential for aircraft disturbance in winter; more and bigger aircraft

DOMINION: 64E REPORTED THAT THE FIRE HAS CROSSED THE CREEK TO THE EAST AND HAS BURNED SOME OF THE ADJACENT HILL AND FLATS TO THE SOUTHEAST. ONLY 10% OF THE PERIMETER WAS ACTIVE.

6134 15830 SWS STA L&W L 0.5 U/U FUL
704617 T017N R051W S15 S 07/22/97

LITTLE MOUNTAIN: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES. STILL UNABLE TO LOCATE REPORTED FIRE.

B626 5913 15813 SWS STA L&W L 0.8 U/C MOD
704626 T011S R053W S16 S 07/22/97

LITTLE MUKLUNG RIVER: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

B628 6106 16010 SWS BLM AND L 1.0 U/C FUL
704628 T012N R061W S30 S 07/22/97

BOGUS CREEK II: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

B629 6218 15842 SWS BLM AND L 18000.0 U/U LIM
704629 T026N R051W S34 S 07/22/97

REINDEER: 64E REPORTED THAT THE FIRE CONTINUES TO GROW TO THE NORTHWEST, PUTTING UP A GREAT DEAL OF SMOKE. PART OF THE PERIMETER CAN NOT BE SEEN DUE TO SMOKE. MONITOR STATUS.

B635 6127 16126 SWS FWS YKD L 160.0 U/C MOD
704635 T016N R068W S26 S 07/23/97

TUNDRA GEORGE: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.

B636 6126 16130 SWS FWS YKD L 40.0 U/C MOD
704636 T015N R068W S04 S 07/23/97

JOHNSON RIVER: FIRE WAS RECONNED BY 210HD AND NO SMOKES WERE FOUND.

B637 6242 15536 SWS NCA L 40.0 U/C FUL
704637 T030N R034W S12 S 07/23/97

VINASALE MOUNTAIN: FIRE WAS NOT MONITORED TODAY DUE TO OTHER AREA PRIORITIES.

6050 15819 SWS STA L&W L 740.0 U/U LIM
704642 T009N R051W S27 S 07/25/97

CHUKOWAN: 210HD OBSERVED REBURN IN TUNDRA AT TOP OF HILL TO THE EAST. CREEPING AND TORCHING IN SPRUCE AND TUNDRA AT WEST END. FIRE CROSSED SMALL CREEK AND IS BURNING A FINGER TO THE NORTH. MONITOR STATUS.

6214 15622 SWS STA L&W L 675.0 U/U MOD
704649 T025N R038W S29 S 07/28/97

NUNSATUK RIVER: 64E REPORTED THAT ONLY THE EAST SIDE OF THE FIRE IS VISIBLE DUE TO SMOKE FROM FIRE 393. NO SMOKES WERE VISIBLE ON THE EAST SIDE.

6105 14944 MSS STA PARK H 0.1 U/C CRI
701653 T011N R003W SSENW25 S 07/29/97

MCHUGH CREEK FIRE: ON MONITOR STATUS

has been developed separately. There hasn't been a requirement that Prudhoe

The major oil fields on the North Slope have all been unitized, but each facilities, such as airports.

sort of thing. It could be put in stipulations to minimize the number of

Depending on how BLM structures its regulations, it could have the same

side, and when they unitize they pick whoever is going to operate it.

them a road, or whatever. On state land, you have companies leasing side by

mandate they put an airstrip on their land so their people can use it, or build

than from federal and state governments. The Native corporation may

An oil company may have different pressures from Native corporations

own economic reasons they're going to consolidate their operations.

leases on one oil field that covers three different land ownerships, for their

companies have leases that involve a single field. If one oil company has

Native fee land, and federal land. What is also important is how many oil

Conceivably we would have a combination of three landowners: state leases,

bigger. Suppose it crossed under the Native land and under NPR-A.

boundaries owned by two different bidders. Suppose the Alpine field were

were talking about a few small fields—one small field could cross tract

If NPR-A development goes according to the geological scenario—they

stipulations.

regulations for this. In state sales, consolidation of facilities is one of the

at the field and headquarters level, has been working on unitization

make two companies sit down at the table and maybe share an airstrip? BLM,

do we accomplish that? Do we need to stipulate unitizing fields? How do we

If you can keep the disturbance out of the area, things should be okay. How

Mitigations for these concerns have not been tested.

mile. So even a little traffic may be enough to elicit that behavioral response.

was sufficient to send cows and calves running pell-mell a distance of a half-

part of the Kuparuk field, in an area of very little traffic, one pass-by of a truck

and around major trunk roads with higher traffic rates. Out in the western

traffic rates. Where disturbance effects have been most noticed has been in

6134 15507 SWS STA L&W L 191.0 U/U LIM
704658 T017N R033W S17 S 07/29/97
GAGARYAH: FIRE WAS NOT MONITORED TODAY DUE TO OTHER AREA
PRIORITIES.

6150 15533 SWS BLM AND L 80.0 U/U LIM
704659 T020N R035W S12 S 07/29/97
NIPPLE: FIRE WAS NOT MONITORED TODAY DUE TO OTHER AREA PRIORITIES.

6207 15603 SWS STA L&W L 660.0 S/U MOD
704660 T023N R037W S03 S 07/29/97
DEVIL'S PEAK: SEVEN SMOKES WERE FOUND TODAY, TWO WERE ALONG THE
PERIMETER. PROBEYE IS ORDERED FOR 8/3 A.M. TENTATIVE DEMOBE IS
SCHEDULED FOR 8/3. I.C. RODRIGUEZ + 40

6108 15747 SWS STA L&W L 4.0 U/C LIM
704664 T012N R048W S14 S 07/30/97
PORTAGE: 210HD RECONNED FIRE AND OBSERVED NO VISIBLE SMOKES.
ENTIRE BLACK SPOT IS SURROUNDED BY GREEN.

6427 14839 FAS STA L&W L 8.0 U/U LIM
711665 T005S R006W SSE 25 F 07/30/97
TOTATLANIKA: NO NEW INFORMATION; FIRE REMAINS ON MONITOR STATUS.

6303 15644 SWS STA L&W L 15.0 S/U MOD
704666 T028S R011E S26 S 07/30/97
BEAST: CREWS GRIDDED THE FIRE AND 4 SPOTS WERE FOUND. PROBEYE
FOUND 2 SPOTS AT 2200. ONE WAS LOCATED IN THE MIDDLE OF THE FIRE
AND ONE ALONG THE NORTHEAST EDGE. REMAINING CREWS WILL GRID AGAIN
TOMORROW AND DO REHAB OF LINE. TWO CREWS WILL BE DEMOBE 8/3.
FIRE WAS 100% CONTAINED AT 2300 TODAY. I.C. BOBO + 60

B676 5942 15715 SWS NCA L 6.0 OUT FUL
704676 T005S R047W S34 S 08/01/97
KOLIGANEK: FIRE WAS DECLARED OUT BY I.C. MEIEROTTO ON 8/2.

USFS CARRYOVER:

5514 13239 TNF NCA H 46.0 U/C MOD
T076S R084E S33 C
FIRE IS BEING MONITORED.



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and Kuparuk be developed as one big oil field. Geologically they are separate from each other. The question becomes: should several oil fields share the same airport? If you have dispersed fields without interconnecting roads, it would be difficult to have one airfield servicing all fields. But you might have one saltwater treatment plant located near only one or none of the fields. If you don't have the road, you need the airstrip, for emergency response if nothing else.

In terms of restricting activity, you can't close everything down during calving. It's not feasible from a safety consideration, if nothing else. Right now oil companies have the two weeks on, two off work period. What about a six-week period during calving when there are no crew changes—is that reasonable? Do we require fewer grocery deliveries, less fresh food, so aircraft activity can be reduced? These would be aircraft restrictions only, because people are not going to stay at the drill site 24 hours a day. If pads are connected by road, and they have to produce on those pads, you have to have traffic. Shutting it down completely is not an option, so no traffic at all is not an option. Perhaps during this six-week period traffic could be restricted to convoys at the beginning of each shift change.

How effective might the caribou cops idea be? There's still traffic when caribou are not approaching the road, and caribou during the calving season may see that traffic and may avoid that area. It might be reasonable mitigation during the summer use time, but perhaps not effective during calving season. An option for development on the calving ground is restricting the area and extent of activity, i.e., minimal number of pads, minimal length of roads, and minimal traffic.

At what point do we affect the economic cost of development if, for instance, we stipulate that well pads can be no closer than five miles apart? Theoretically they should be able to reach everything in between. The development of the pad itself costs a lot. The economics of these smaller fields really drives what they will consider in developing them. If they have material problems, they're not going to be making big pads or long roads.